

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062637.D
 Acq On : 7 Jun 2019 11:47
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 07 23:30:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	672610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	938687	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	782513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	448068	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	194692	19.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.78%	
35) Dibromofluoromethane	6.92	113	202615	20.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.92%	
50) Toluene-d8	10.41	98	407371	19.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.64%	
62) 4-Bromofluorobenzene	13.56	95	186830	18.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	185214	21.394	ug/l	97
3) Chloromethane	1.75	50	124019	18.292	ug/l	99
4) Vinyl Chloride	1.85	62	132516	19.345	ug/l	96
5) Bromomethane	2.15	94	57104	16.618	ug/l	97
6) Chloroethane	2.25	64	67623	19.106	ug/l	95
7) Trichlorofluoromethane	2.53	101	310409	19.938	ug/l	98
8) Diethyl Ether	2.87	74	37381	17.607	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	164561	19.061	ug/l	93
10) Methyl Iodide	3.30	142	185964	16.896	ug/l	92
11) Tert butyl alcohol	4.09	59	36076	84.932	ug/l #	74
12) 1,1-Dichloroethene	3.12	96	118251	19.657	ug/l	92
13) Acrolein	3.03	56	13094	111.541	ug/l #	73
14) Allyl chloride	3.61	41	170996	18.488	ug/l	94
15) Acrylonitrile	4.20	53	84282	91.650	ug/l	96
16) Acetone	3.23	43	145414	79.963	ug/l	99
17) Carbon Disulfide	3.37	76	315394	17.546	ug/l	95
18) Methyl Acetate	3.65	43	59420	20.079	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	280669	18.919	ug/l	94
20) Methylene Chloride	3.81	84	127484	18.798	ug/l #	91
21) trans-1,2-Dichloroethene	4.21	96	129025	19.148	ug/l #	84
22) Diisopropyl ether	5.12	45	356241	18.818	ug/l #	96
23) Vinyl Acetate	5.05	43	1127849	94.421	ug/l	98
24) 1,1-Dichloroethane	4.98	63	238121	19.050	ug/l	96
25) 2-Butanone	6.07	43	161830	91.300	ug/l	95
26) 2,2-Dichloropropane	6.02	77	271504	18.775	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	137713	19.205	ug/l	98
28) Bromochloromethane	6.44	49	86648	19.359	ug/l	97
29) Tetrahydrofuran	6.46	42	74149	92.961	ug/l	95
30) Chloroform	6.66	83	305125	18.963	ug/l	98
31) Cyclohexane	6.95	56	148198	19.344	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	318334	19.563	ug/l	96
36) 1,1-Dichloropropene	7.15	75	197427	17.660	ug/l	96
37) Ethyl Acetate	6.18	43	80498	16.517	ug/l	98
38) Carbon Tetrachloride	7.11	117	302907	17.166	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	152780	17.173	ug/l	86
40) Benzene	7.45	78	375289	17.622	ug/l	98
41) Methacrylonitrile	6.45	41	105834	18.119	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	228542	17.894	ug/l	99
43) Isopropyl Acetate	9.23	43	98002	17.125	ug/l #	92
44) Trichloroethene	8.53	130	158478	18.028	ug/l	92
45) 1,2-Dichloropropane	8.94	63	88022	17.037	ug/l	97
46) Dibromomethane	9.07	93	85936	18.573	ug/l #	85
47) Bromodichloromethane	9.37	83	227231	18.089	ug/l	99
48) Methyl methacrylate	9.13	41	76818	18.031	ug/l #	87
49) 1,4-Dioxane	9.08	88	11974	355.783	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	358662	88.261	ug/l	96
52) Toluene	10.50	92	256982	17.635	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	182224	17.623	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	186889	17.467	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	86444	17.753	ug/l	95
56) Ethyl methacrylate	11.04	69	88275	16.586	ug/l	95
57) 1,3-Dichloropropane	11.41	76	129631	16.928	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	270514	101.130	ug/l	100
59) 2-Hexanone	11.53	43	280861	91.822	ug/l	94
60) Dibromochloromethane	11.68	129	174666	18.060	ug/l	100
61) 1,2-Dibromoethane	11.80	107	109085	18.473	ug/l	96
64) Tetrachloroethene	11.26	164	124795	16.798	ug/l	97
65) Chlorobenzene	12.39	112	304612	17.377	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	150501	17.917	ug/l	97
67) Ethyl Benzene	12.52	91	580976	18.642	ug/l	95
68) m/p-Xylenes	12.67	106	399861	36.567	ug/l	92
69) o-Xylene	13.04	106	191345	18.643	ug/l	99
70) Styrene	13.07	104	326069	17.817	ug/l	97
71) Bromoform	13.23	173	102280	17.518	ug/l #	97
73) Isopropylbenzene	13.40	105	604809	18.538	ug/l	99
74) N-amyl acetate	13.26	43	154664	17.606	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	102195	18.514	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	109456	17.706	ug/l	99
77) Bromobenzene	13.67	156	169555	18.471	ug/l	96
78) n-propylbenzene	13.77	91	719117	18.208	ug/l	100
79) 2-Chlorotoluene	13.84	91	396853	17.223	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	534105	18.757	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	28481	17.886	ug/l	98
82) 4-Chlorotoluene	13.95	91	524359	18.915	ug/l	99
83) tert-Butylbenzene	14.19	119	575138	18.104	ug/l	89
84) 1,2,4-Trimethylbenzene	14.23	105	539957	18.875	ug/l	98
85) sec-Butylbenzene	14.36	105	578696	17.516	ug/l	94
86) p-Isopropyltoluene	14.49	119	578375	18.045	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	293265	17.272	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	295816	18.548	ug/l	97
89) n-Butylbenzene	14.80	91	521615	17.861	ug/l	97
90) Hexachloroethane	15.00	117	155908	18.467	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	247530	17.738	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20455	16.780	ug/l	83

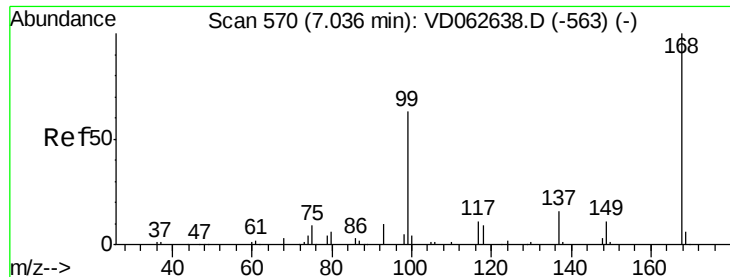
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
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Acq On : 7 Jun 2019 11:47
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Quant Title : SW846 8260
QLast Update : Fri Jun 07 23:24:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	184745	17.450	ug/l	96
94) Hexachlorobutadiene	16.04	225	144001	17.226	ug/l	98
95) Naphthalene	16.12	128	264654	17.994	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	145739	18.170	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

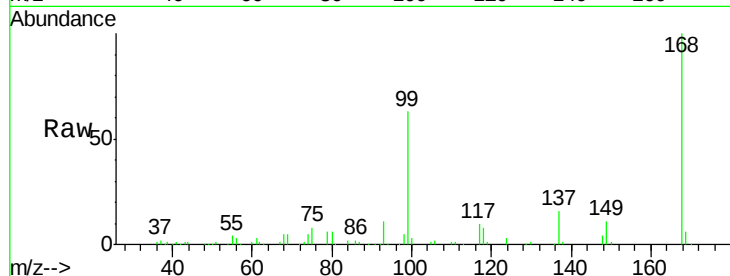
VSTDIC020

Tot Ion:168 Resp: 672610

Ion Ratio Lower Upper

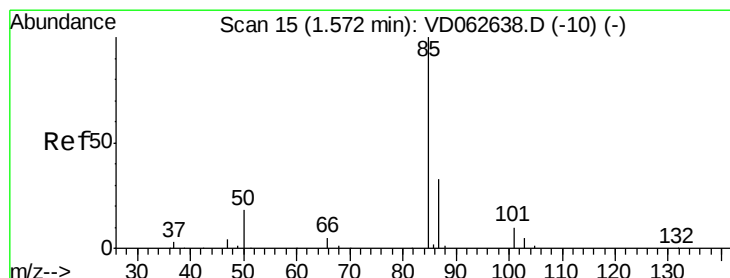
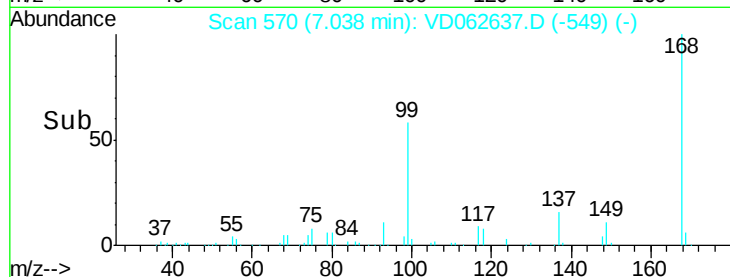
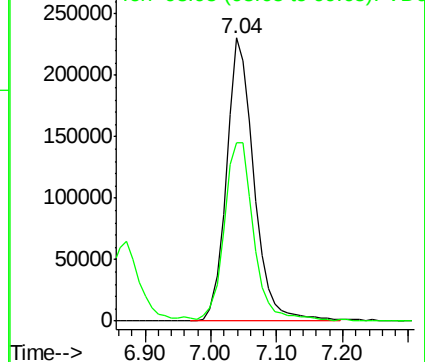
168 100

99 63.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.394 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062637.D

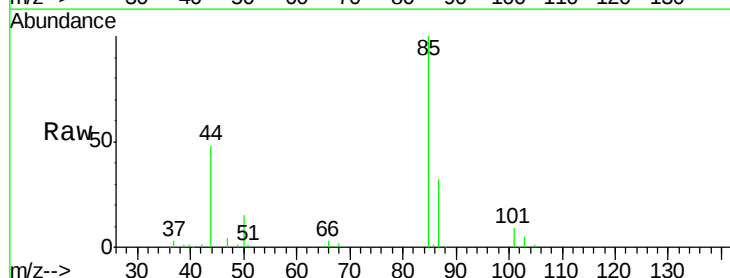
Acq: 7 Jun 2019 11:47

Tgt Ion: 85 Resp: 185214

Ion Ratio Lower Upper

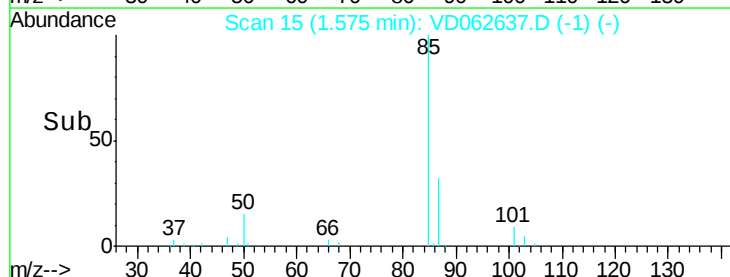
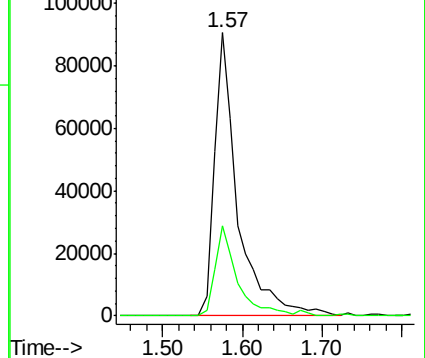
85 100

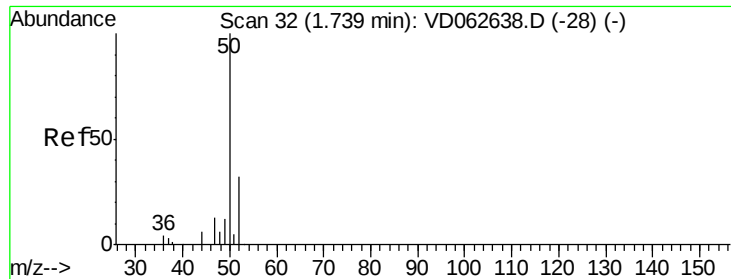
87 31.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.292 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

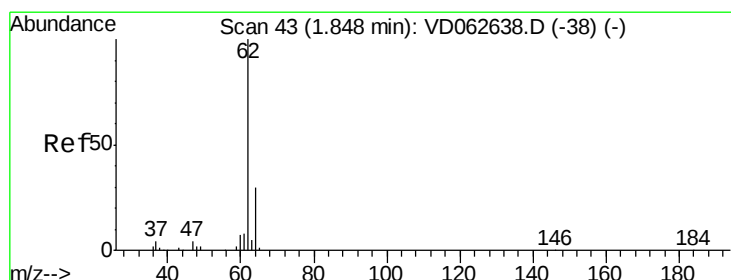
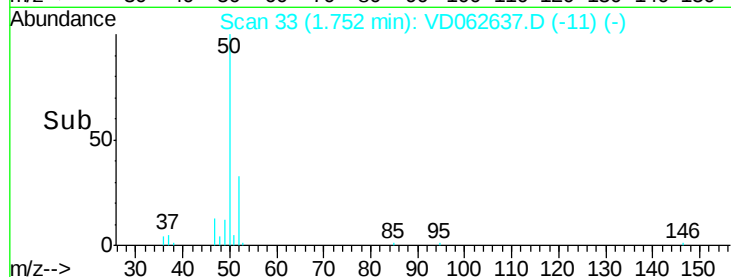
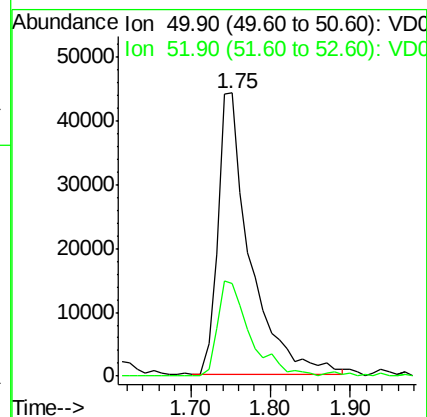
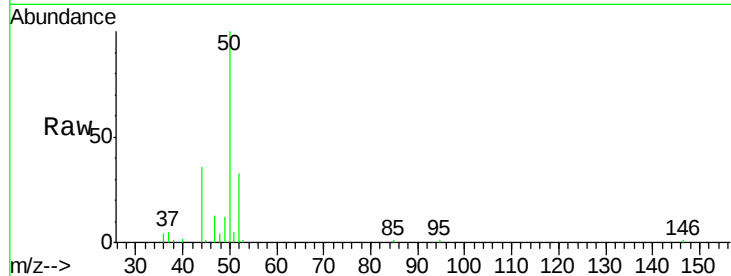
VSTDIC020

Tot Ion: 50 Resp: 124019

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



#4

Vinyl Chloride

Concen: 19.345 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062637.D

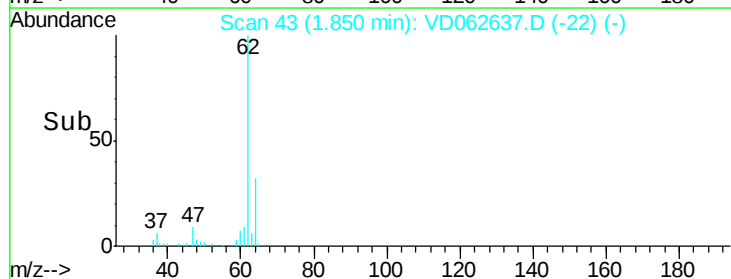
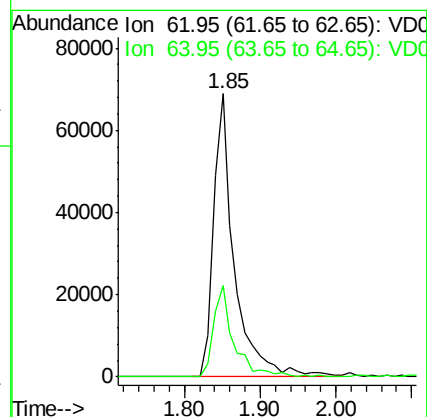
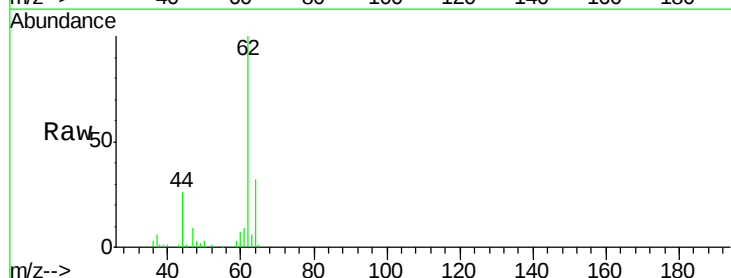
Acq: 7 Jun 2019 11:47

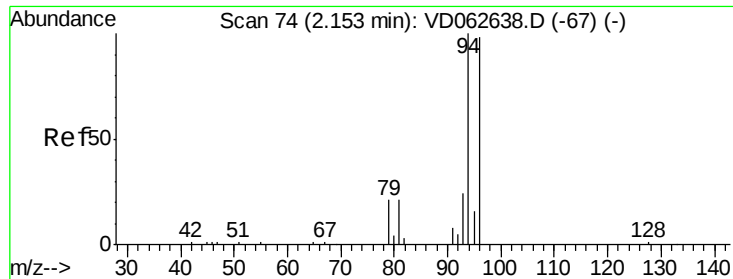
Tgt Ion: 62 Resp: 132516

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 16.618 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

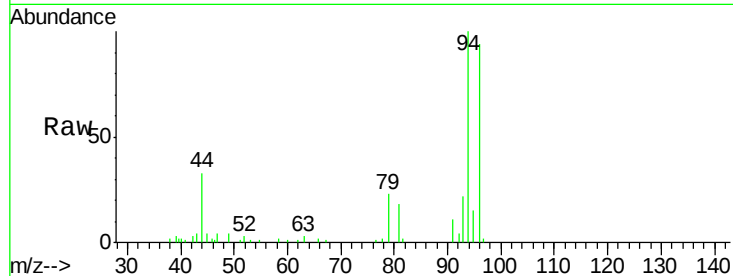
Tot Ion: 94 Resp: 57104

Ion Ratio Lower Upper

94 100

96 95.2 78.1 117.1

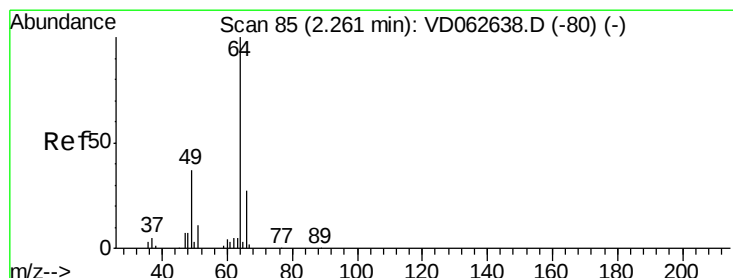
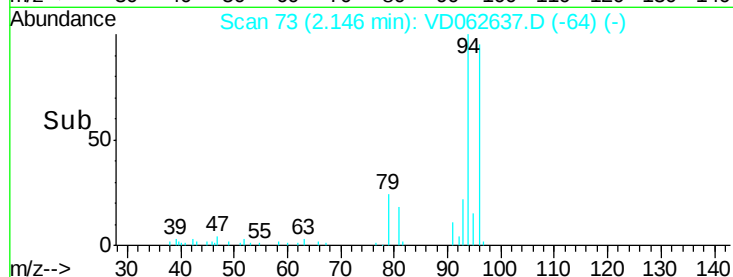
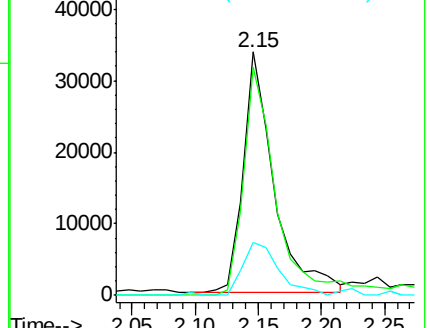
93 21.8 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.106 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062637.D

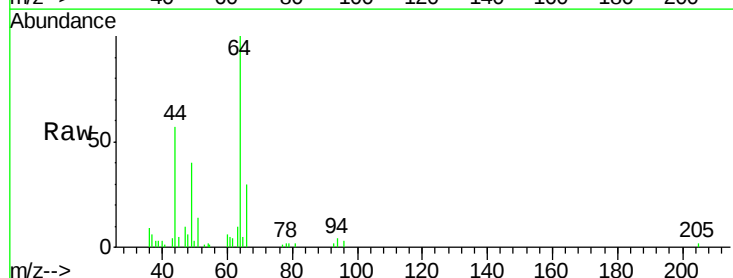
Acq: 7 Jun 2019 11:47

Tgt Ion: 64 Resp: 67623

Ion Ratio Lower Upper

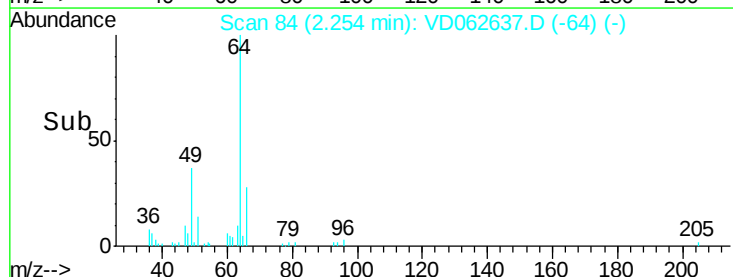
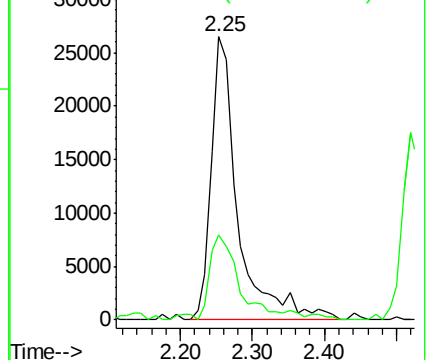
64 100

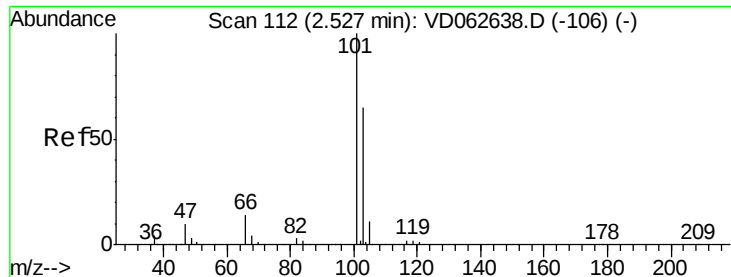
66 30.0 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



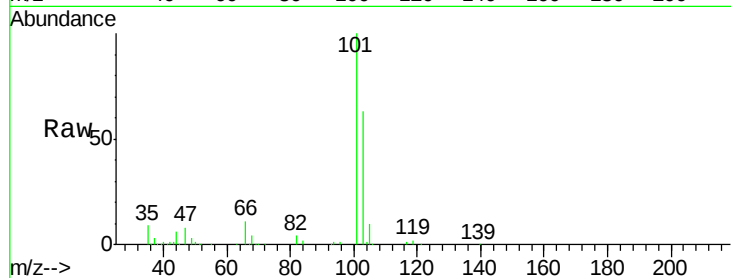


#7

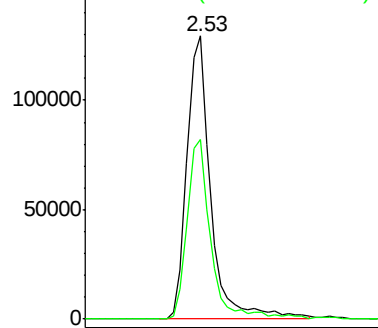
Trichlorofluoromethane
 Concen: 19.938 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Instrument :
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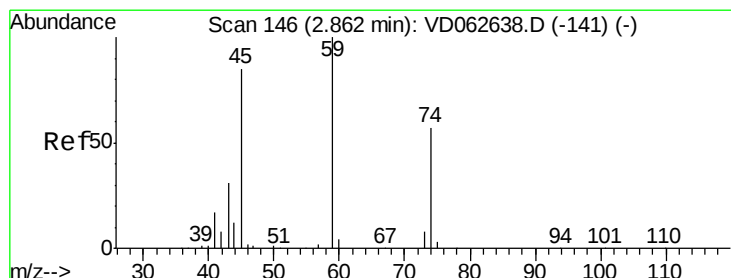
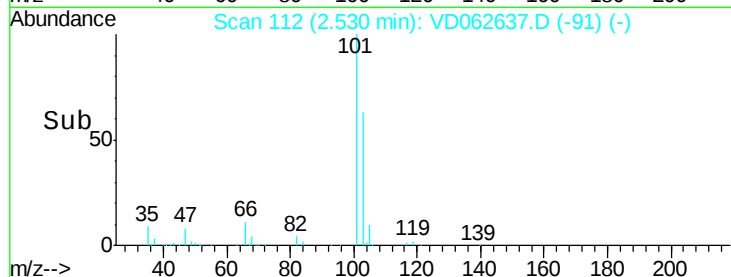
Tot Ion:101 Resp: 310409
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.2 78.2



Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



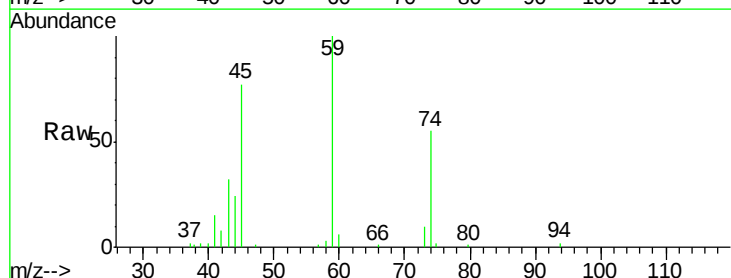
Time--> 2.40 2.50 2.60 2.70



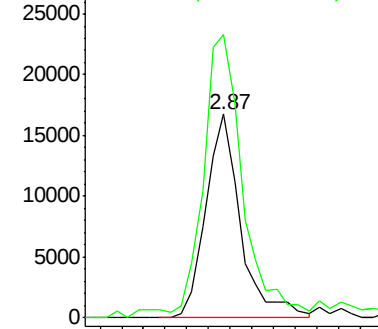
#8

Diethyl Ether
 Concen: 17.607 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

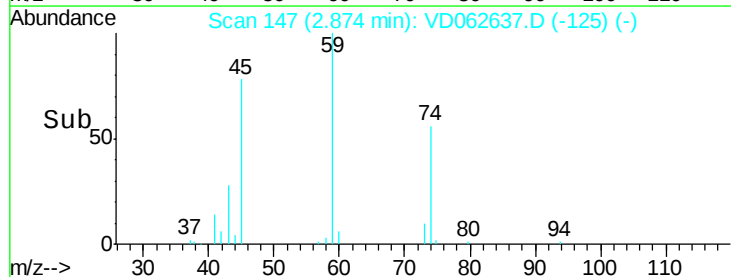
Tgt Ion: 74 Resp: 37381
 Ion Ratio Lower Upper
 74 100
 45 139.1 74.9 224.7

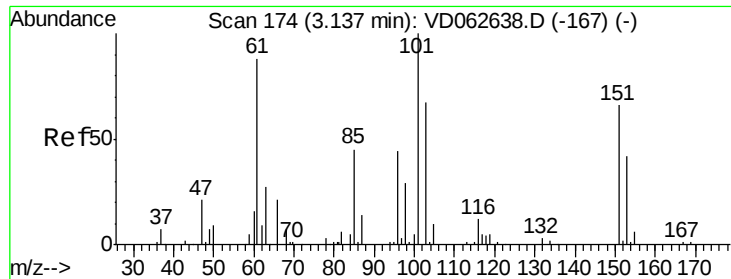


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time--> 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.061 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

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VSTDIC020

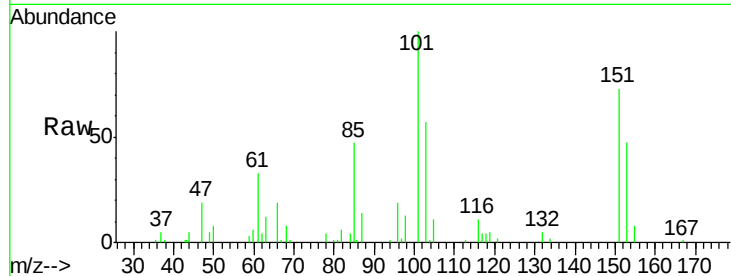
Tot Ion:101 Resp: 164561

Ion Ratio Lower Upper

101 100

85 46.9 36.0 54.0

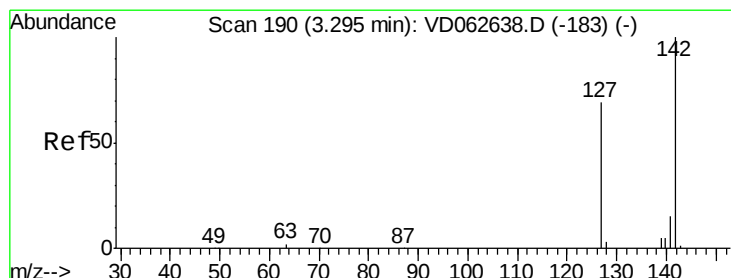
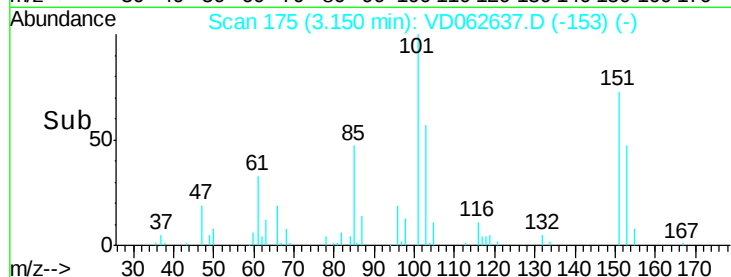
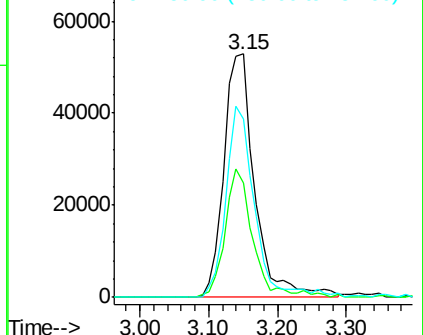
151 73.5 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.896 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

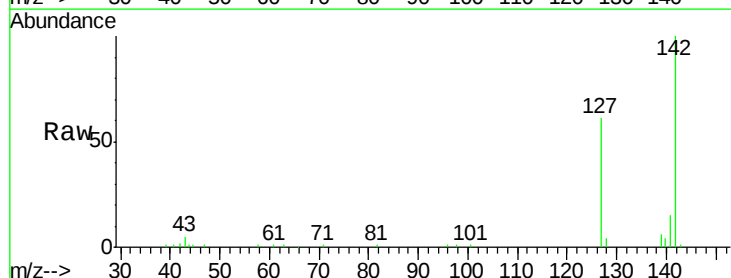
Tgt Ion:142 Resp: 185964

Ion Ratio Lower Upper

142 100

127 61.2 55.2 82.8

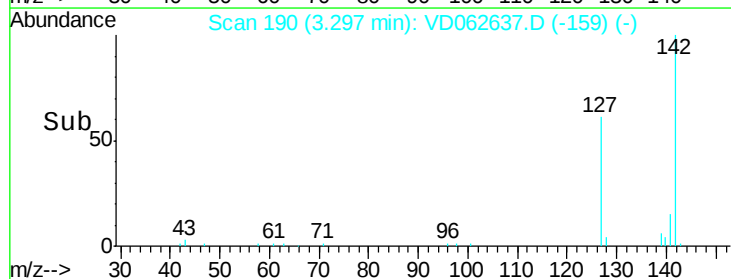
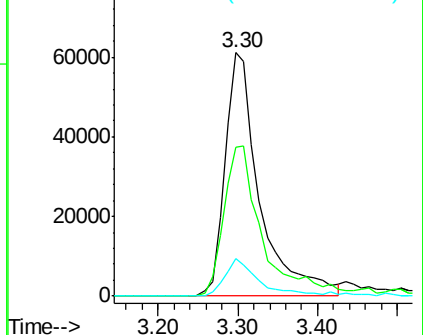
141 15.3 12.1 18.1

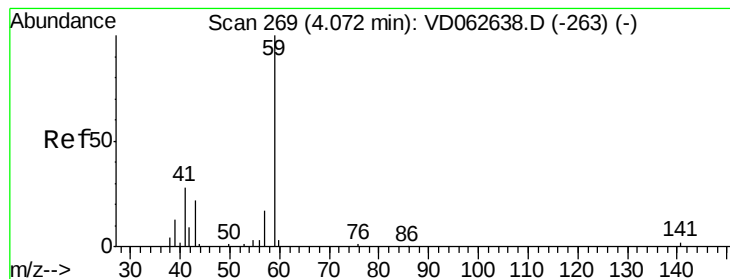


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



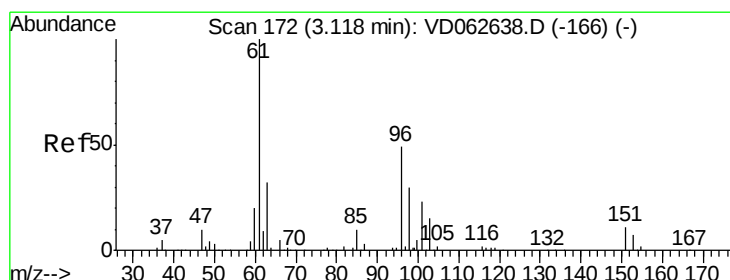
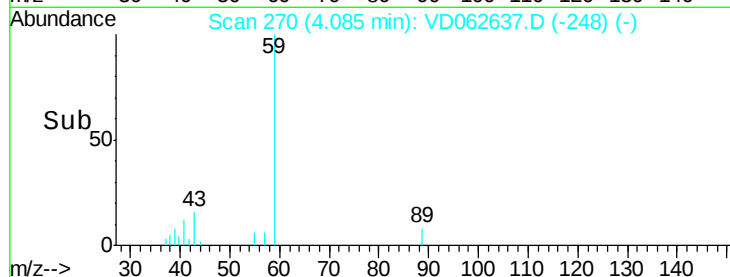
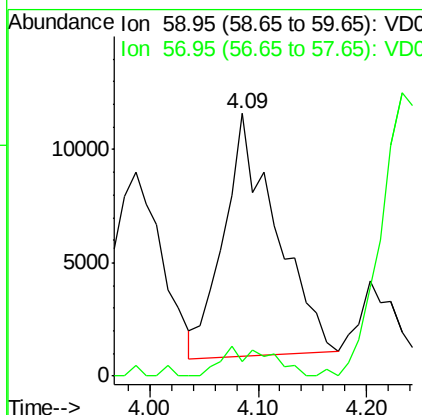
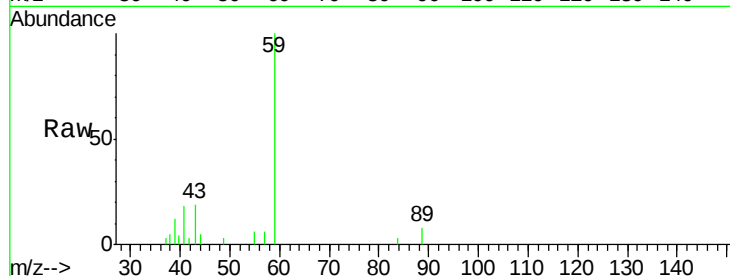


#11

Tert butyl alcohol
 Concen: 84.932 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

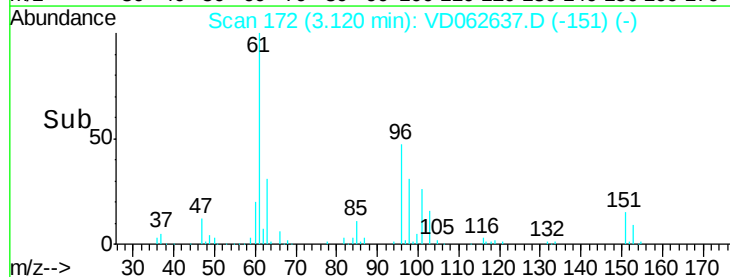
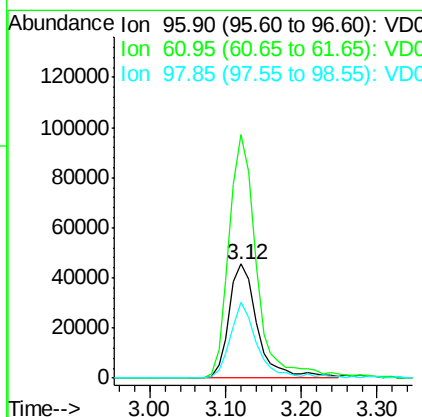
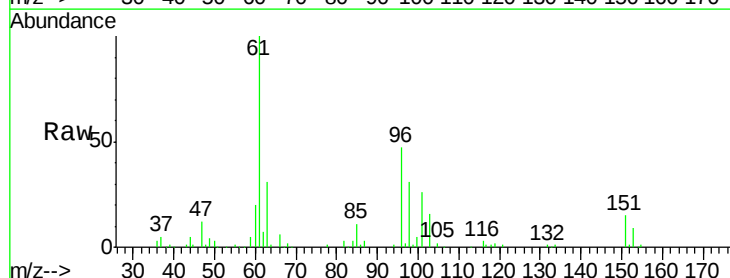
Tot Ion: 59 Resp: 36076
 Ion Ratio Lower Upper
 59 100
 57 5.7 13.7 20.5#

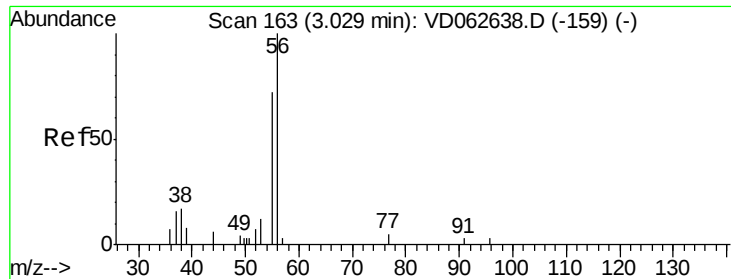


#12

1,1-Dichloroethene
 Concen: 19.657 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion: 96 Resp: 118251
 Ion Ratio Lower Upper
 96 100
 61 213.9 161.8 242.8
 98 66.3 48.2 72.4





#13

Acrolein

Concen: 111.541 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

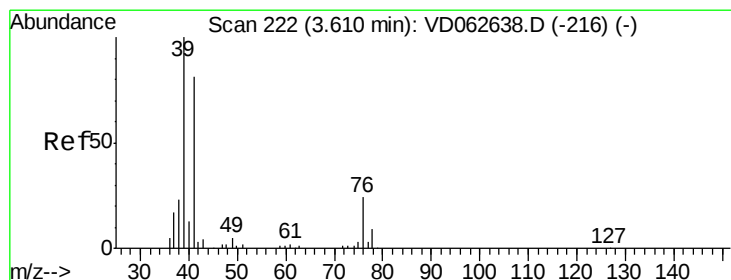
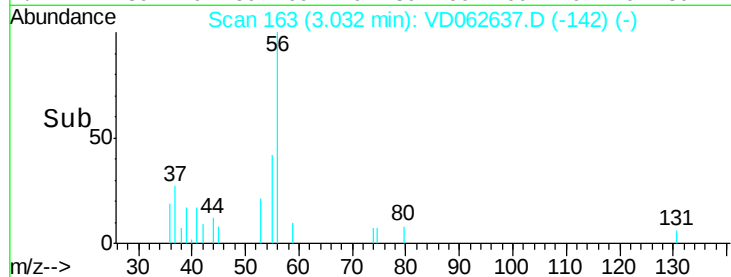
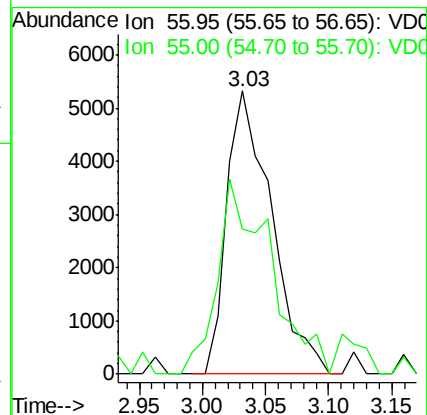
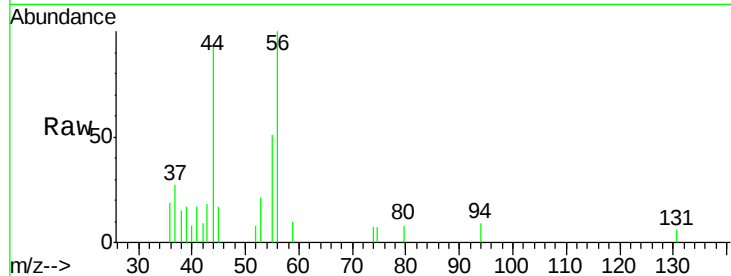
VSTDIC020

Tot Ion: 56 Resp: 13094

Ion Ratio Lower Upper

56 100

55 51.2 59.4 89.0#



#14

Allyl chloride

Concen: 18.488 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

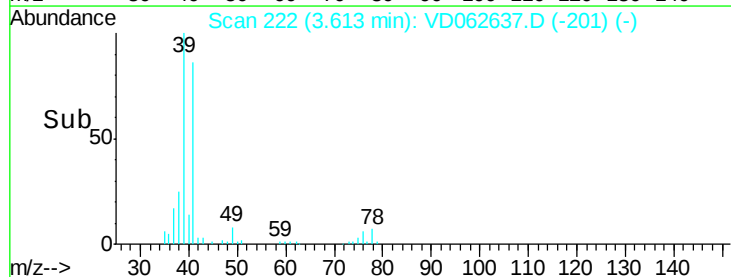
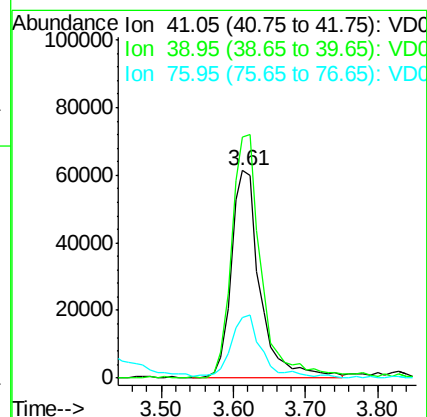
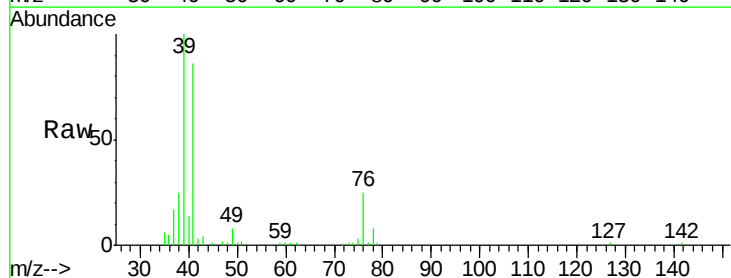
Tgt Ion: 41 Resp: 170996

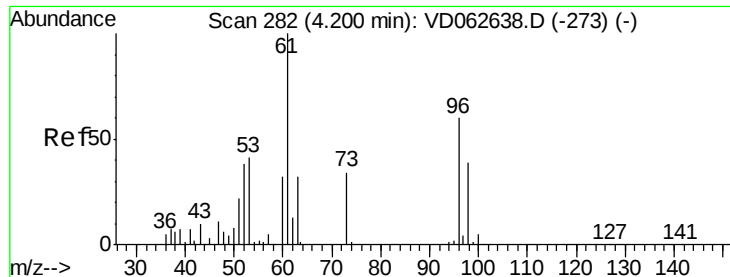
Ion Ratio Lower Upper

41 100

39 116.0 99.1 148.7

76 29.1 25.0 37.6





#15

Acrylonitrile

Concen: 91.650 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

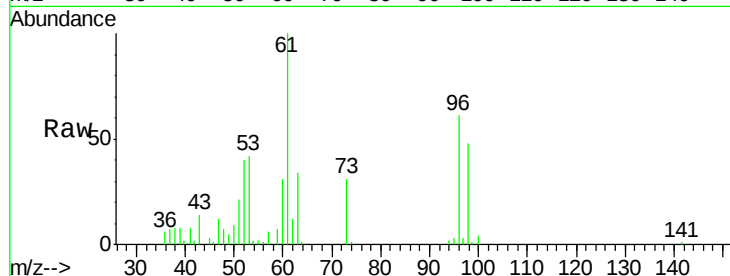
Tot Ion: 53 Resp: 84282

Ion Ratio Lower Upper

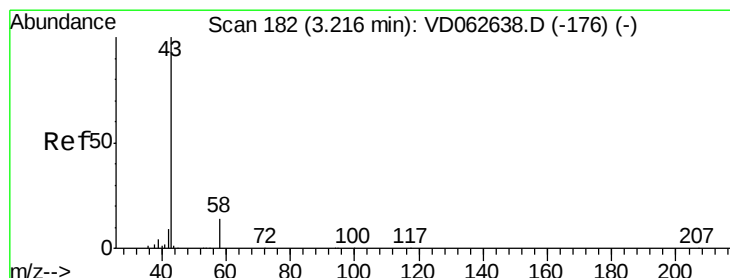
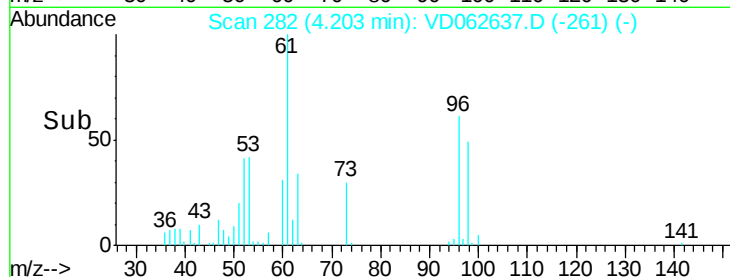
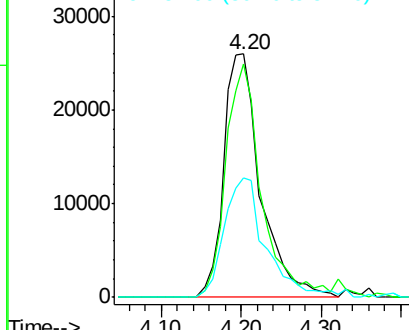
53 100

52 96.0 73.6 110.4

51 48.9 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 79.963 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062637.D

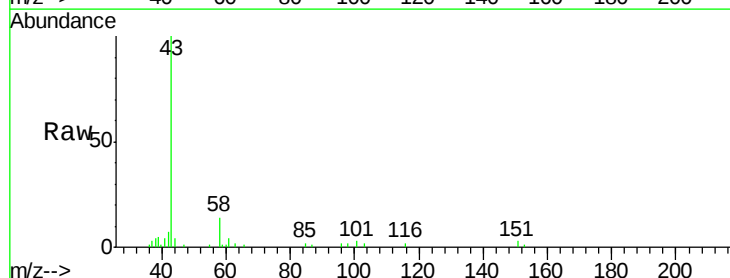
Acq: 7 Jun 2019 11:47

Tgt Ion: 43 Resp: 145414

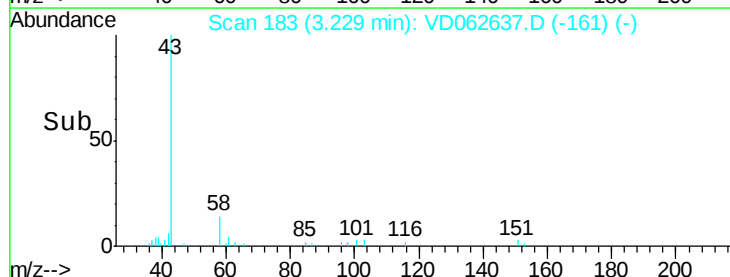
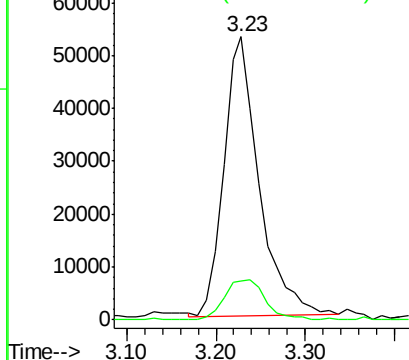
Ion Ratio Lower Upper

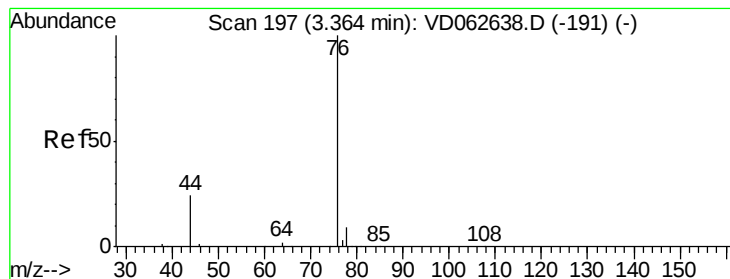
43 100

58 13.9 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.546 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

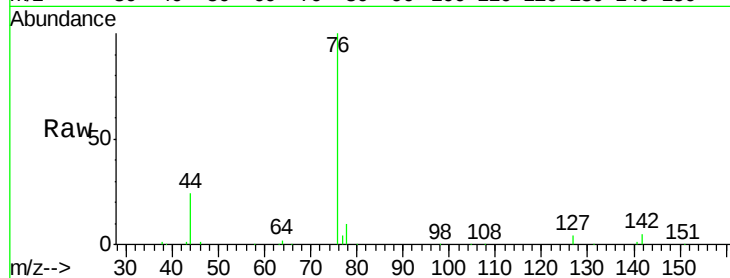
VSTDIC020

Tot Ion: 76 Resp: 315394

Ion Ratio Lower Upper

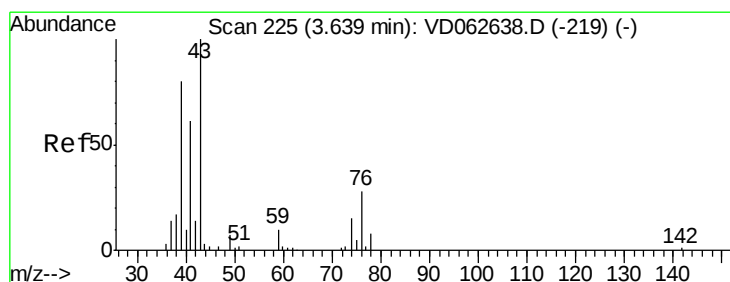
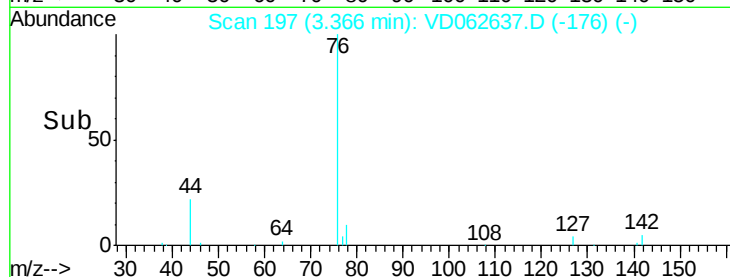
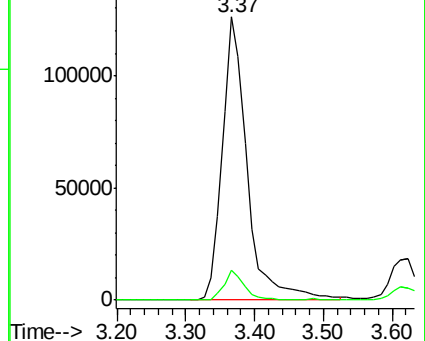
76 100

78 10.4 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.079 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062637.D

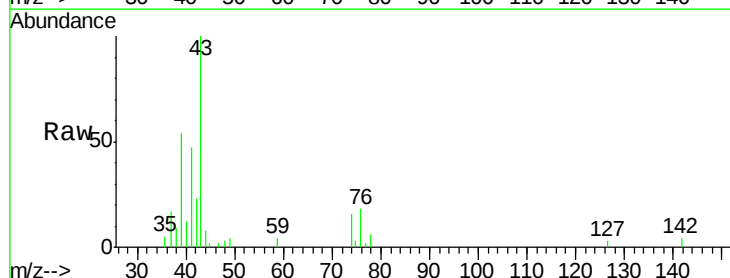
Acq: 7 Jun 2019 11:47

Tgt Ion: 43 Resp: 59420

Ion Ratio Lower Upper

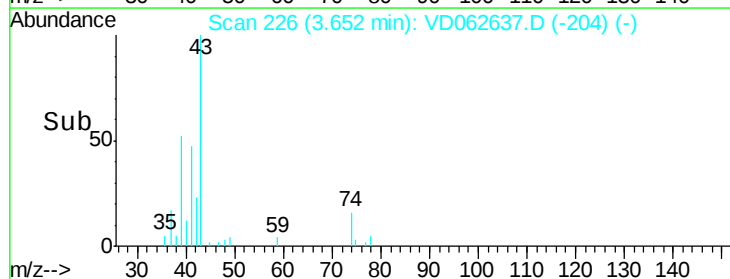
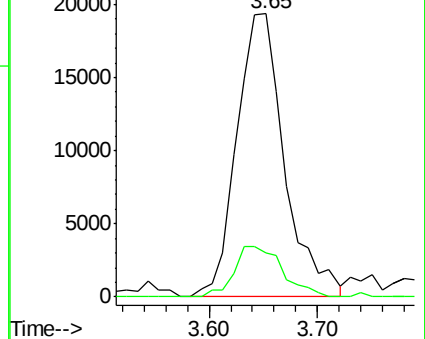
43 100

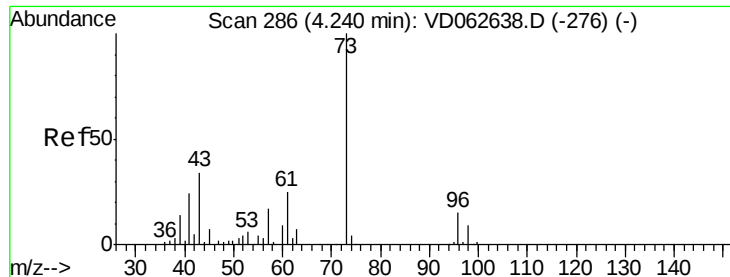
74 15.5 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



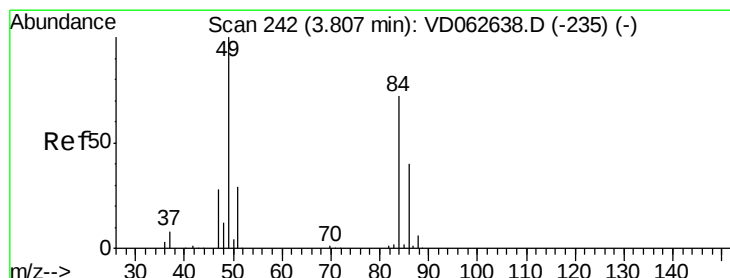
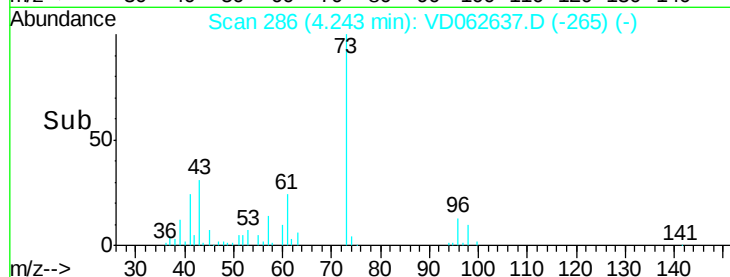
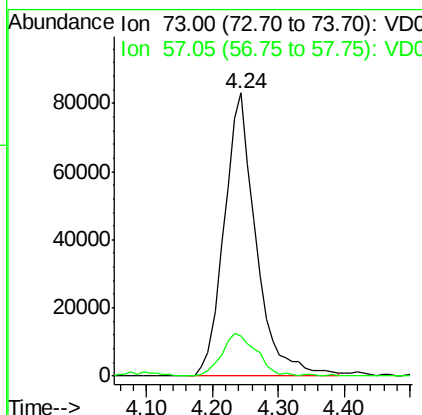
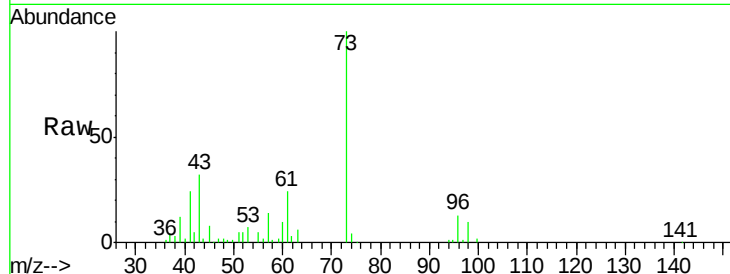


#19

Methyl tert-butyl Ether
 Concen: 18.919 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

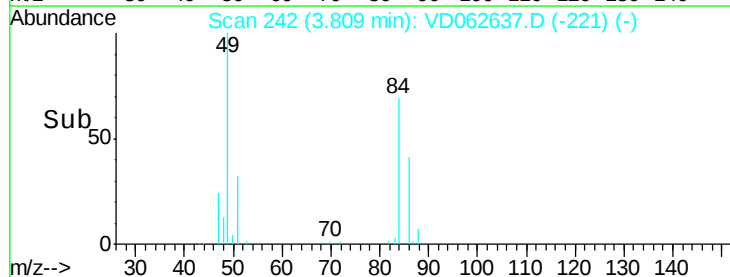
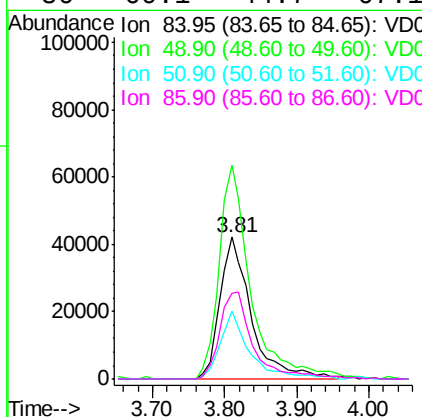
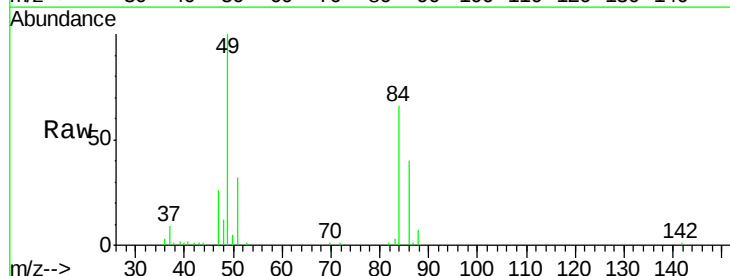
Tot Ion: 73 Resp: 280669
 Ion Ratio Lower Upper
 73 100
 57 14.4 13.5 20.3

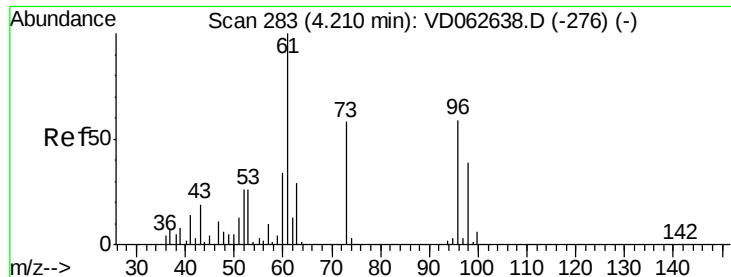


#20

Methylene Chloride
 Concen: 18.798 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion: 84 Resp: 127484
 Ion Ratio Lower Upper
 84 100
 49 150.5 111.2 166.8
 51 48.0 31.9 47.9#
 86 60.1 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 19.148 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

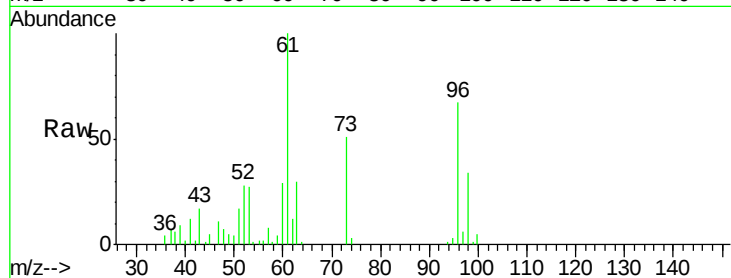
Tot Ion: 96 Resp: 129025

Ion Ratio Lower Upper

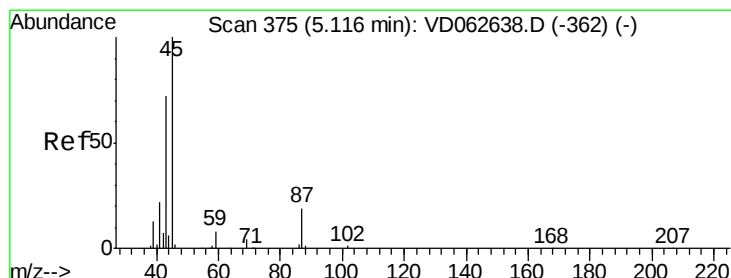
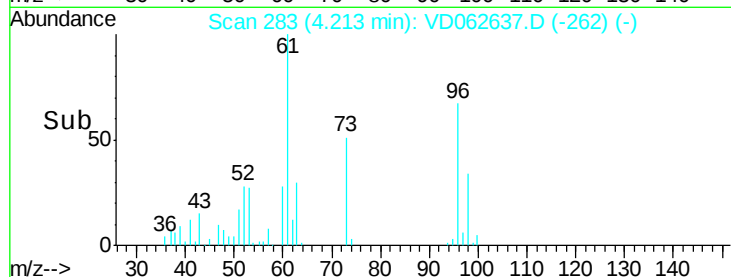
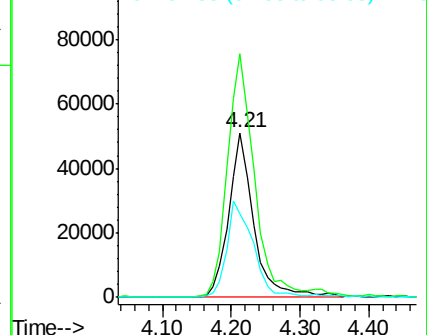
96 100

61 148.3 134.6 201.8

98 50.9 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.818 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Tgt Ion: 45 Resp: 356241

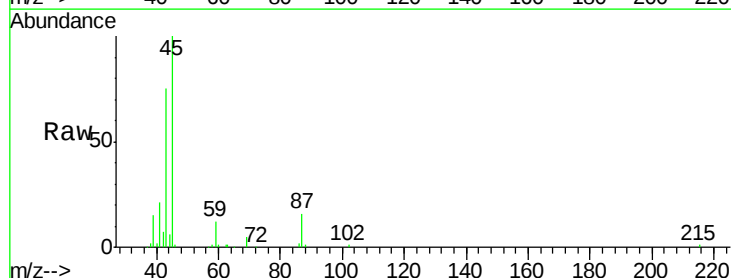
Ion Ratio Lower Upper

45 100

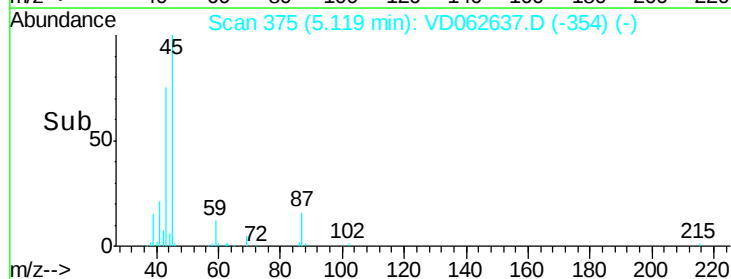
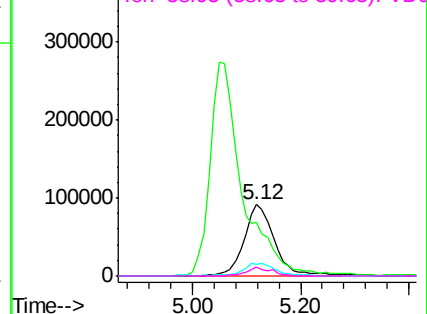
43 75.4 58.8 88.2

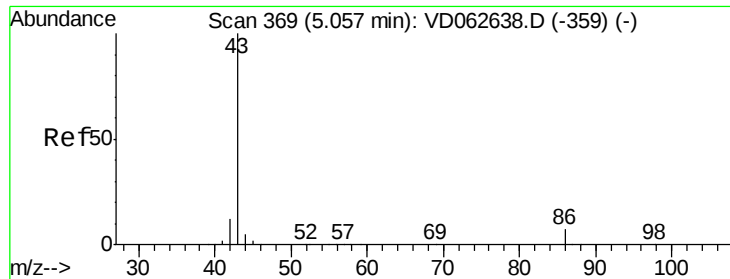
87 16.1 15.7 23.5

59 12.2 6.6 9.8#



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 94.421 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

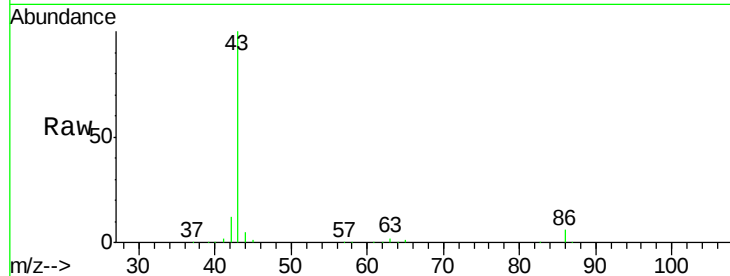
VSTDIC020

Tot Ion: 43 Resp: 1127849

Ion Ratio Lower Upper

43 100

86 6.0 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

300000

250000

200000

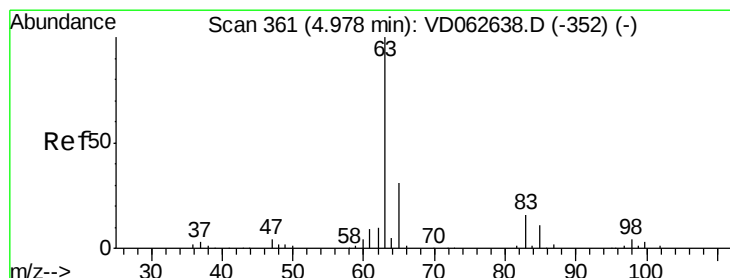
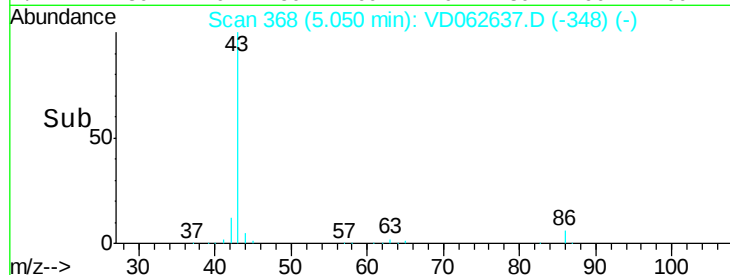
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.050 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

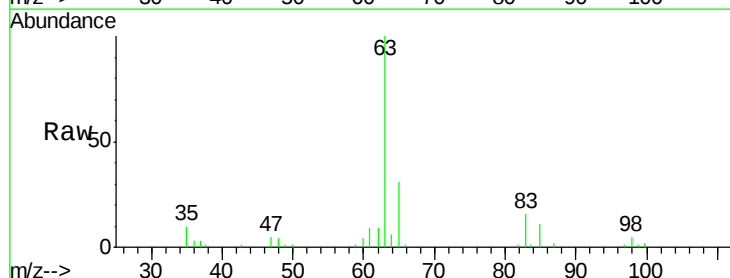
Tgt Ion: 63 Resp: 238121

Ion Ratio Lower Upper

63 100

98 5.0 1.8 5.4

100 1.6 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.98

80000

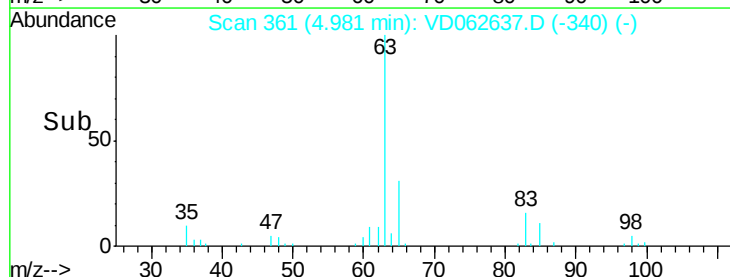
60000

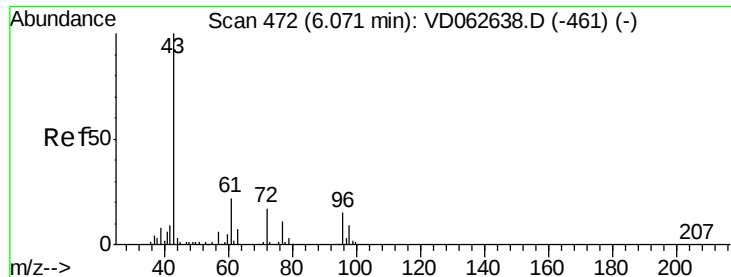
40000

20000

0

Time-->





#25

2-Butanone

Concen: 91.300 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

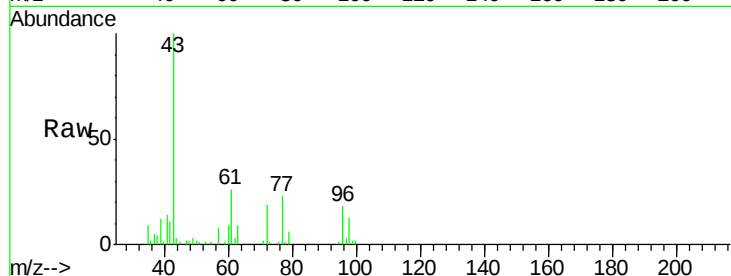
VSTDIC020

Tot Ion: 43 Resp: 161830

Ion Ratio Lower Upper

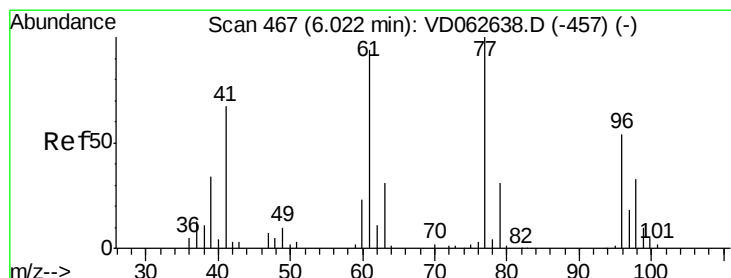
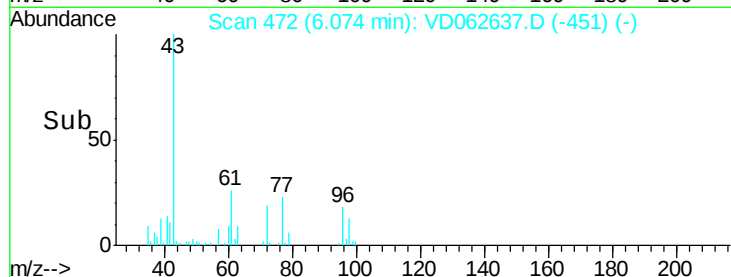
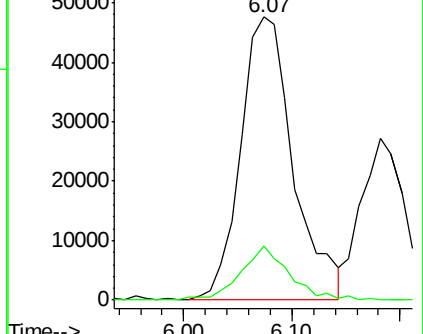
43 100

72 19.0 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.775 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062637.D

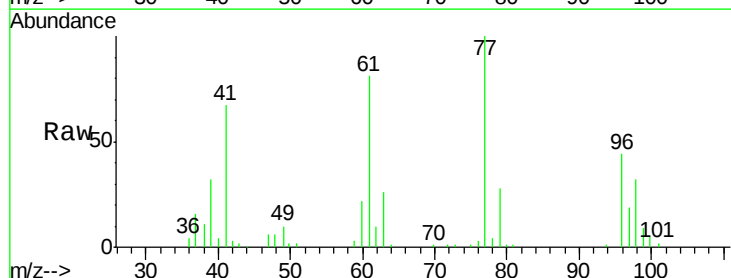
Acq: 7 Jun 2019 11:47

Tgt Ion: 77 Resp: 271504

Ion Ratio Lower Upper

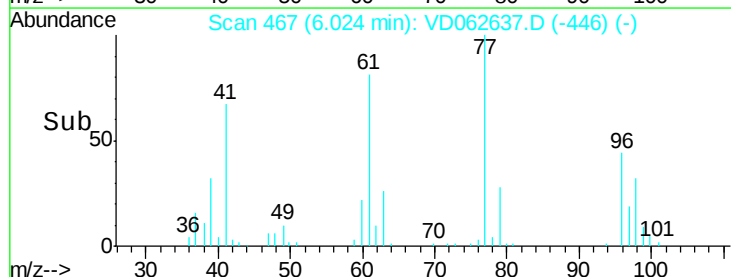
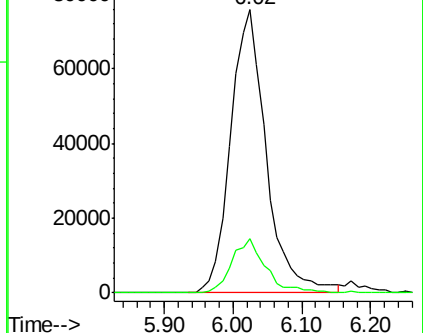
77 100

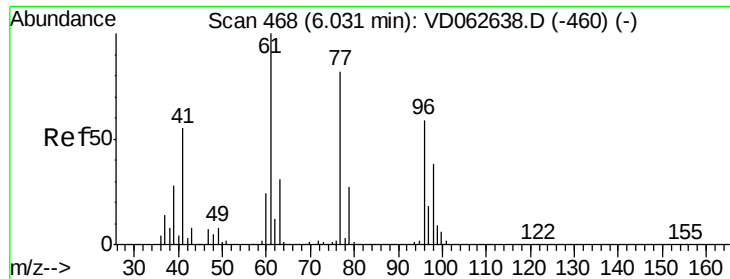
97 19.4 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



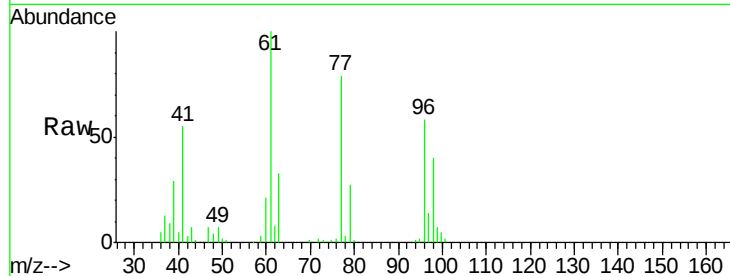


#27

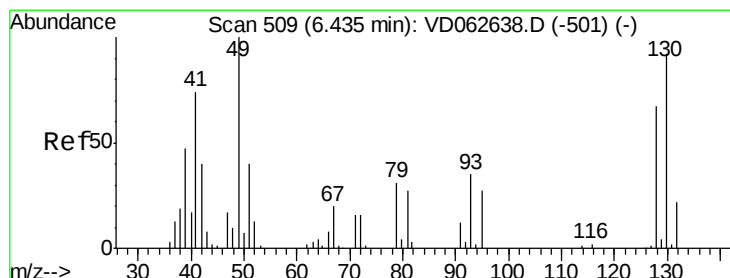
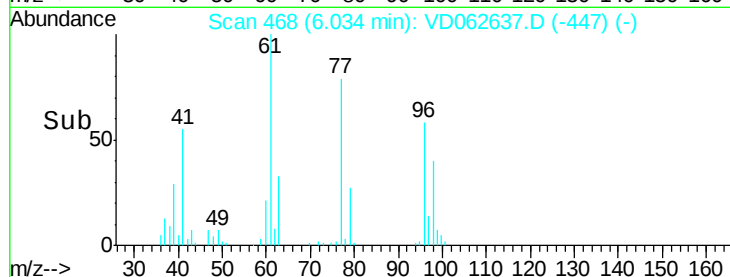
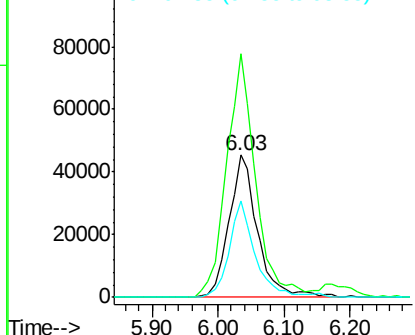
cis-1,2-Dichloroethene
Concen: 19.205 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 137713
Ion Ratio Lower Upper
96 100
61 171.6 0.0 340.0
98 68.3 0.0 127.6



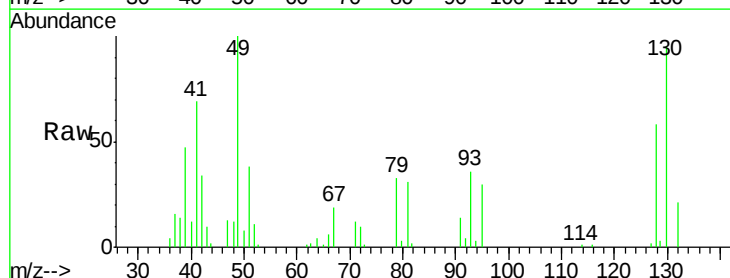
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



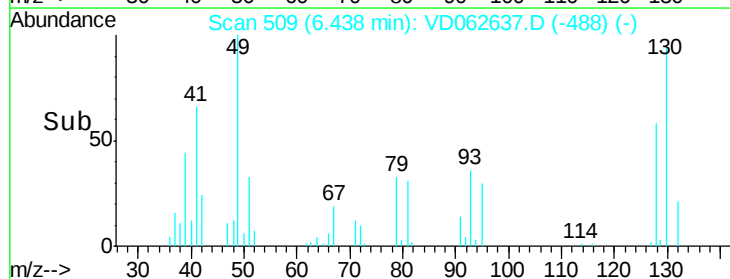
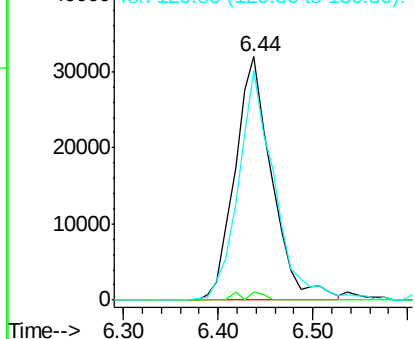
#28

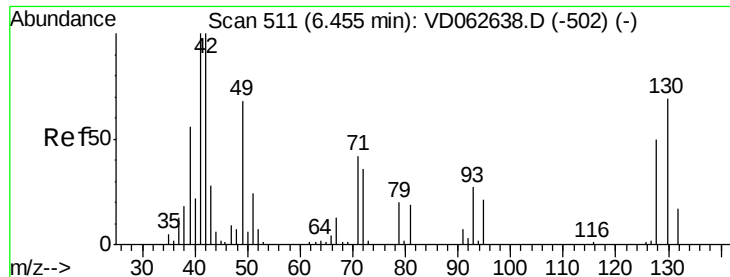
Bromochloromethane
Concen: 19.359 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 49 Resp: 86648
Ion Ratio Lower Upper
49 100
129 3.5 0.0 8.2
130 94.5 73.4 110.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

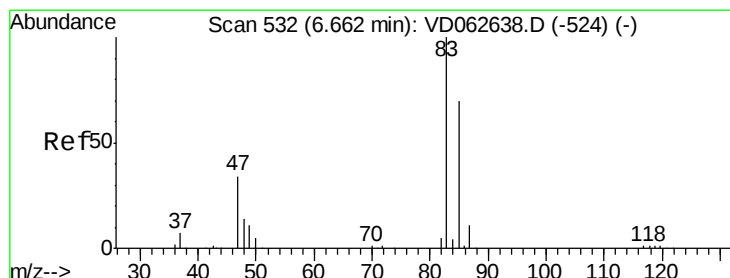
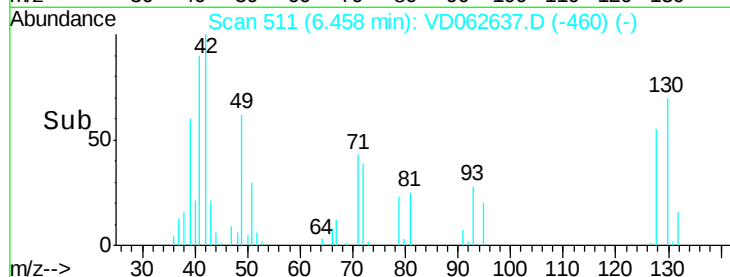
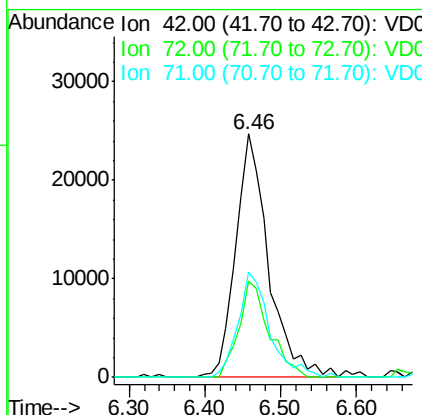
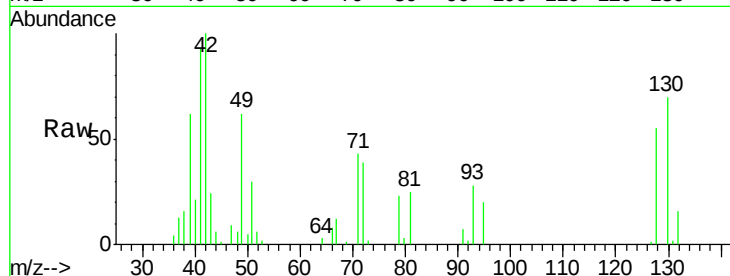




#29
Tetrahydrofuran
Concen: 92.961 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

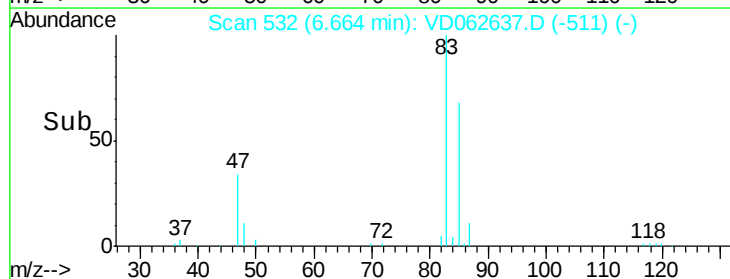
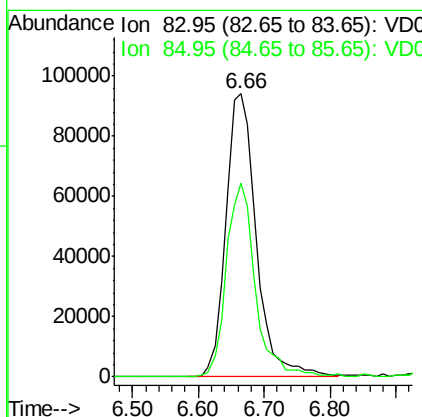
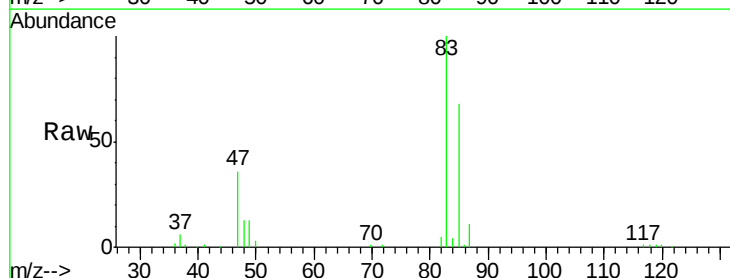
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

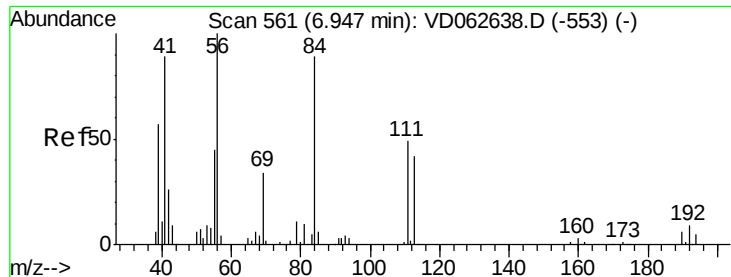
Tot Ion: 42 Resp: 74149
Ion Ratio Lower Upper
42 100
72 36.3 33.8 50.6
71 41.8 34.2 51.4



#30
Chloroform
Concen: 18.963 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 83 Resp: 305125
Ion Ratio Lower Upper
83 100
85 68.4 55.8 83.6

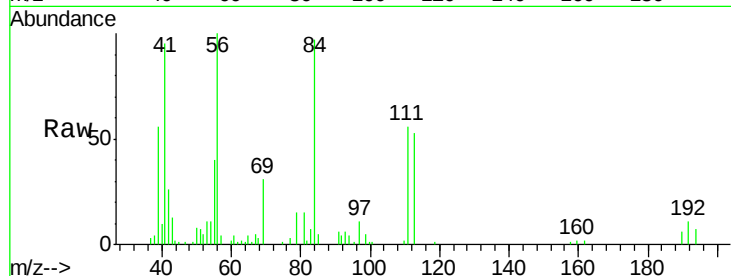




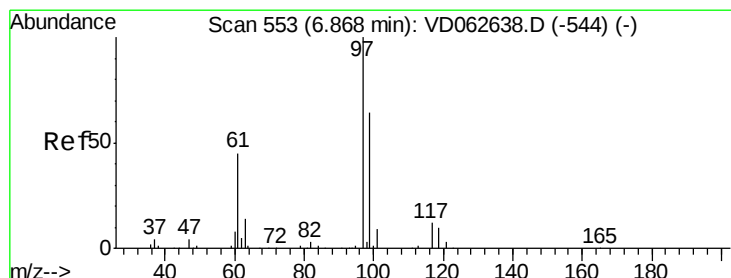
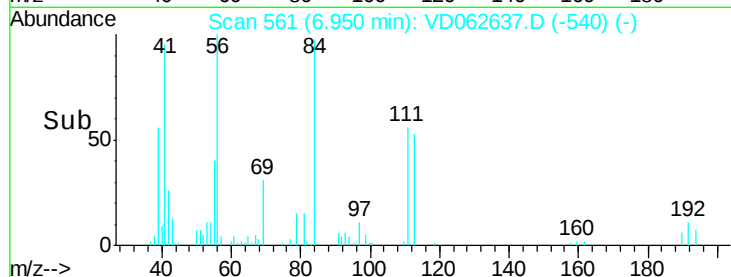
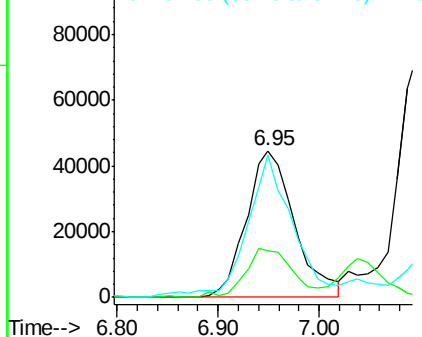
#31
Cyclohexane
Concen: 19.344 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 148198
Ion Ratio Lower Upper
56 100
69 31.3 26.8 40.2
84 97.1 73.9 110.9

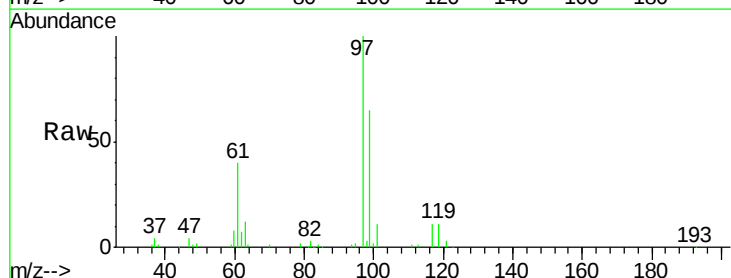


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

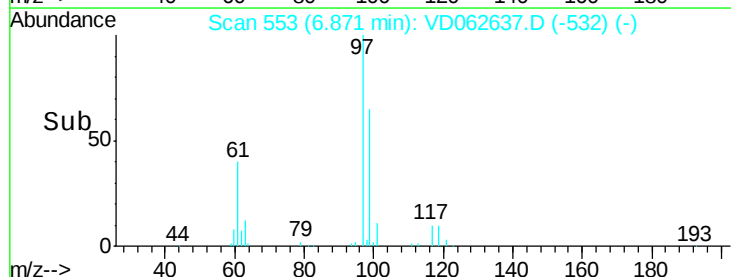
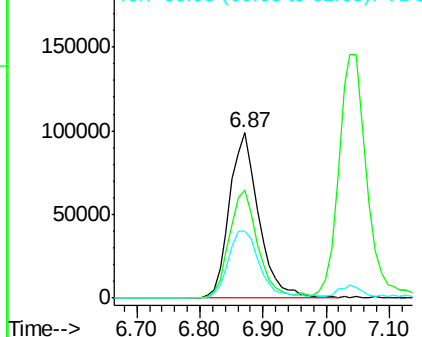


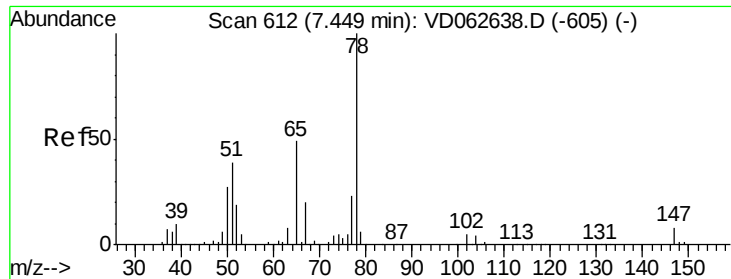
#32
1,1,1-Trichloroethane
Concen: 19.563 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 97 Resp: 318334
Ion Ratio Lower Upper
97 100
99 65.4 51.4 77.0
61 40.3 35.6 53.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.893 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

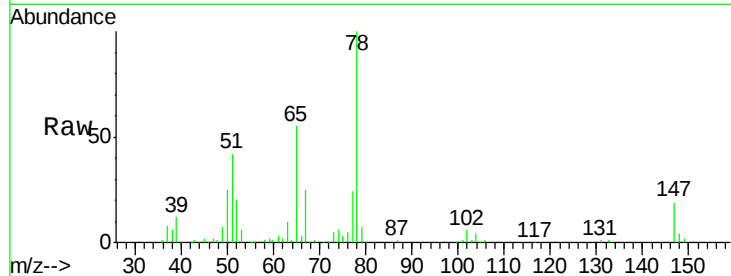
VSTDIC020

Tot Ion: 65 Resp: 194692

Ion Ratio Lower Upper

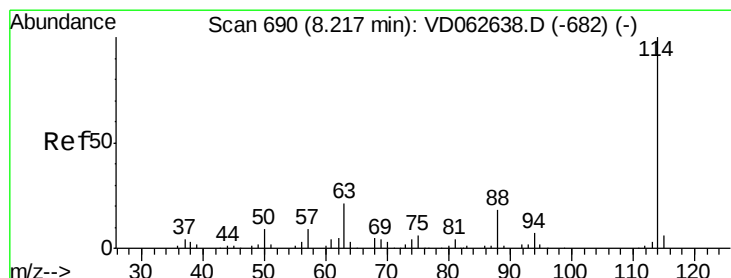
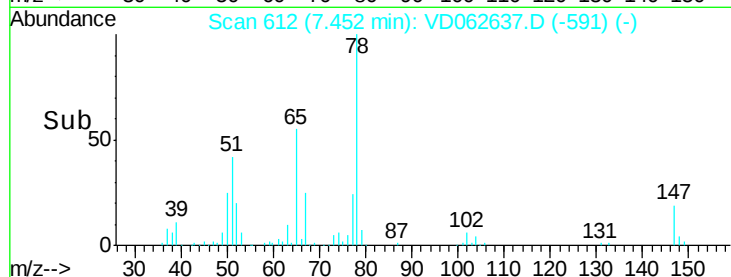
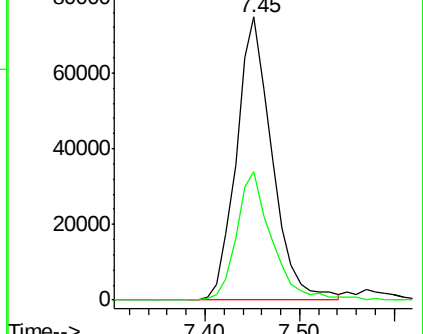
65 100

67 45.2 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

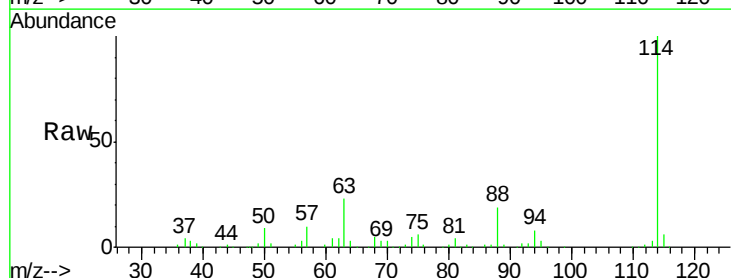
Tgt Ion: 114 Resp: 938687

Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.4

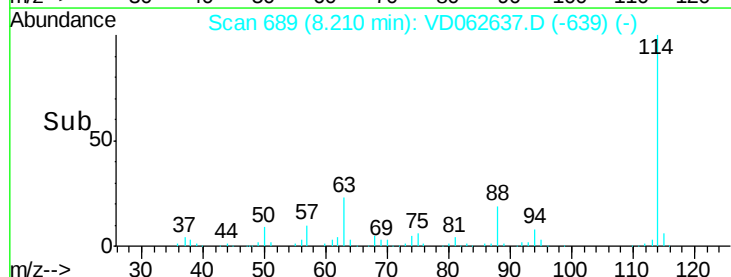
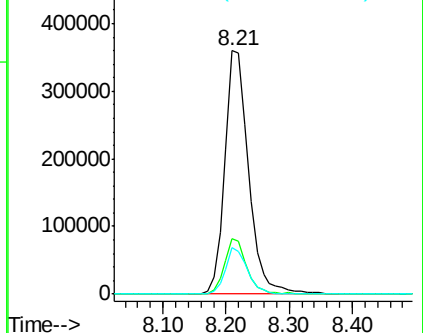
88 18.9 0.0 36.8

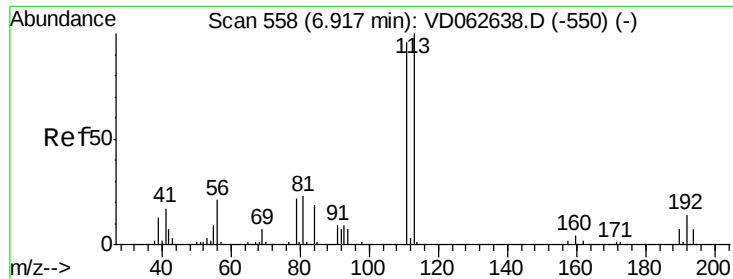


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

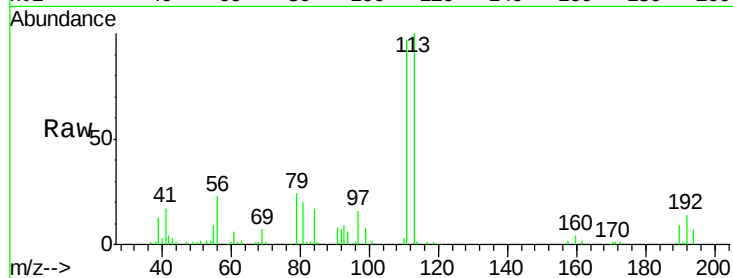




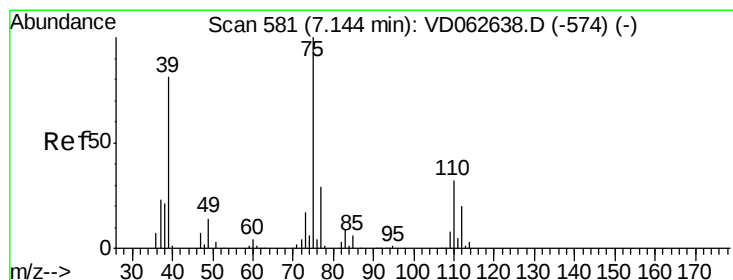
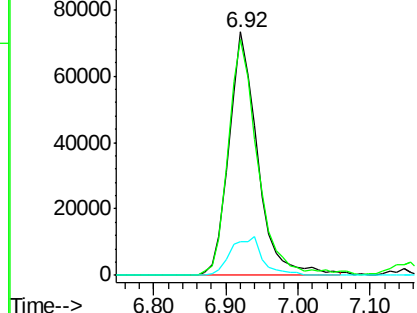
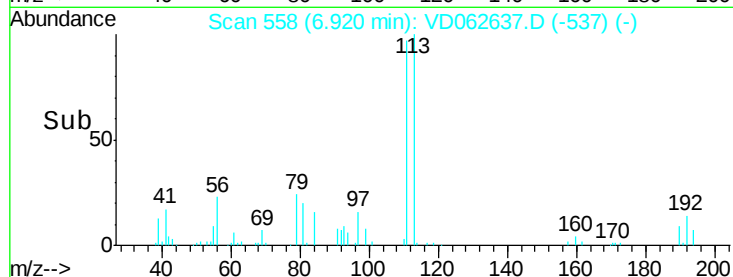
#35
 Dibromofluoromethane
 Concen: 20.462 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:113 Resp: 202615
 Ion Ratio Lower Upper
 113 100
 111 96.9 76.4 114.6
 192 13.6 11.4 17.0

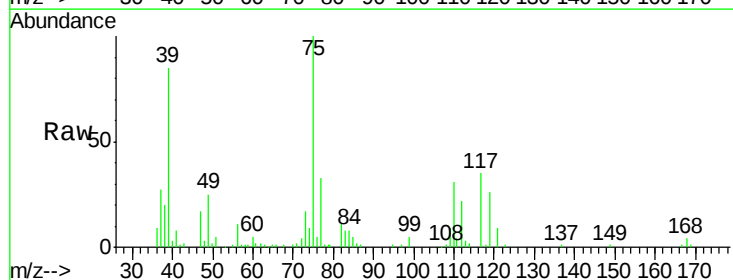


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

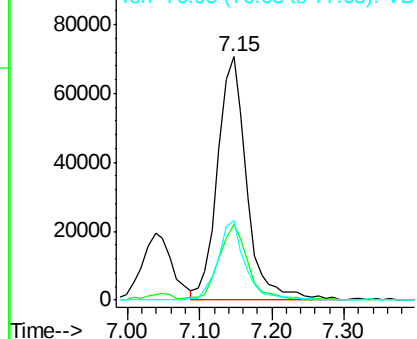
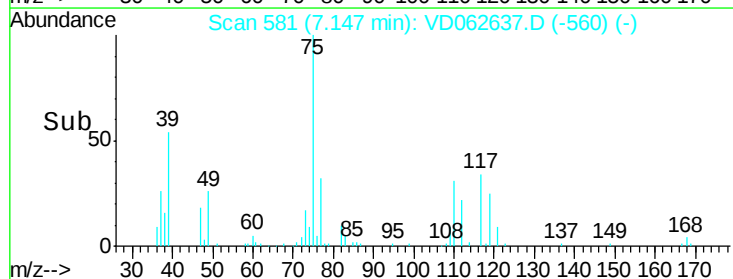


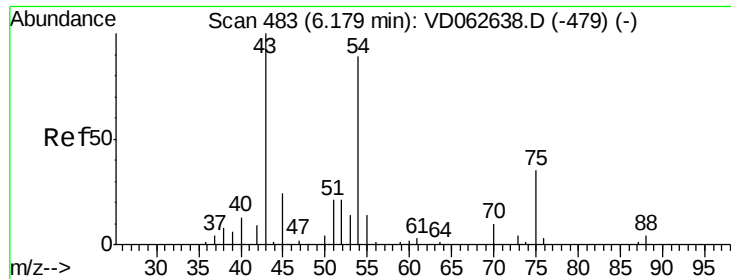
#36
 1,1-Dichloropropene
 Concen: 17.660 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion: 75 Resp: 197427
 Ion Ratio Lower Upper
 75 100
 110 31.1 15.9 47.7
 77 32.9 23.3 34.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

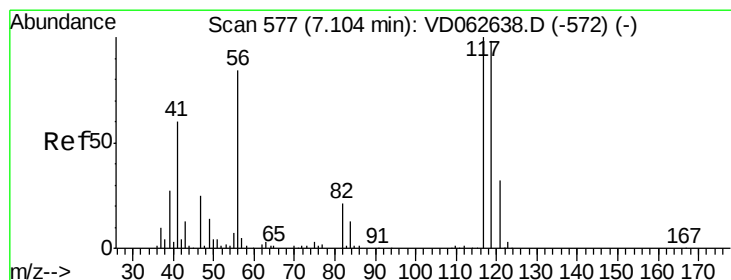
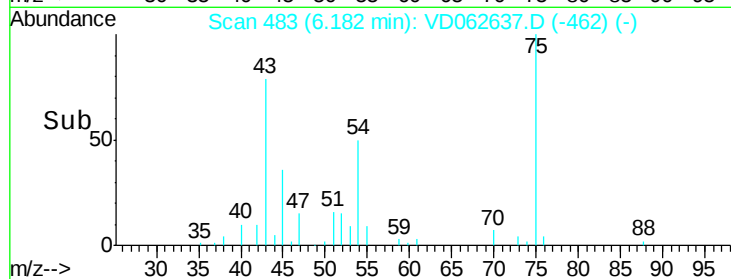
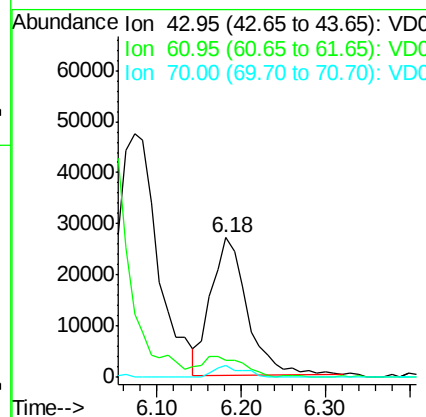
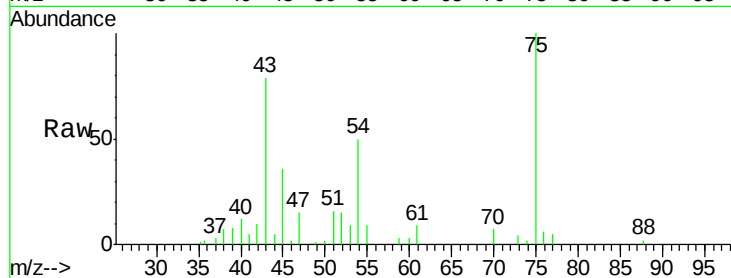




#37
Ethyl Acetate
Concen: 16.517 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

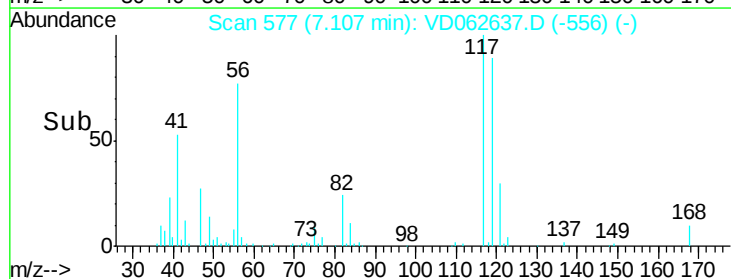
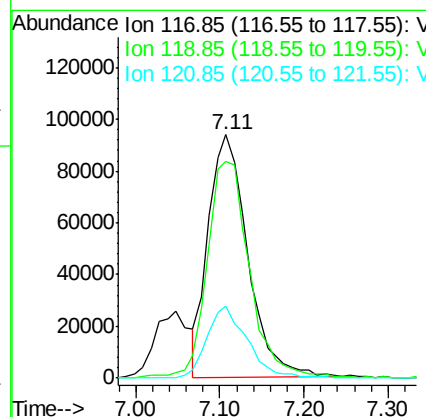
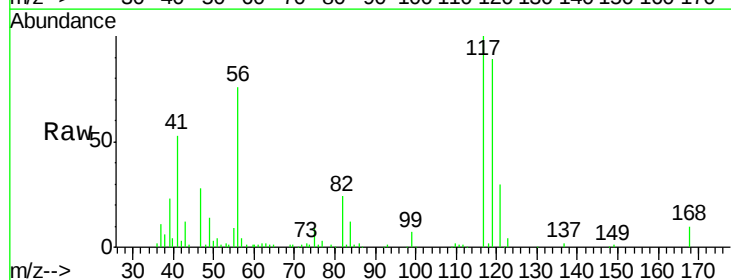
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

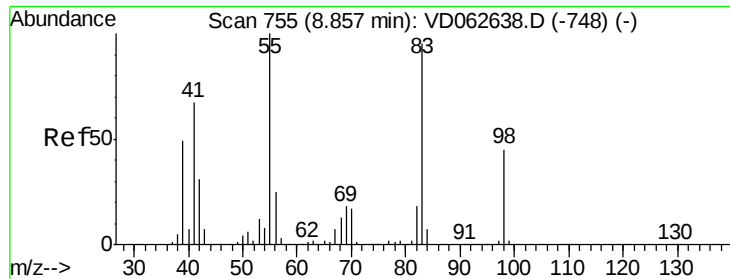
Tot Ion: 43 Resp: 80498
Ion Ratio Lower Upper
43 100
61 11.8 8.7 13.1
70 8.9 6.5 9.7



#38
Carbon Tetrachloride
Concen: 17.166 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 117 Resp: 302907
Ion Ratio Lower Upper
117 100
119 89.0 73.5 110.3
121 29.9 24.2 36.4

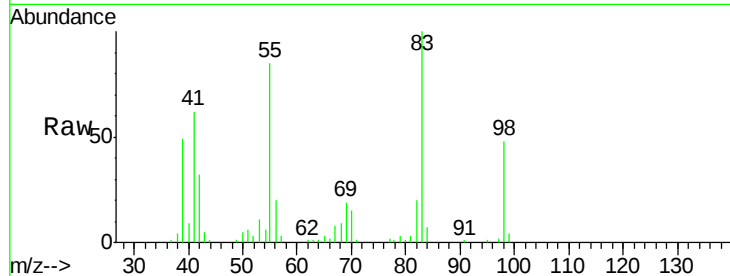




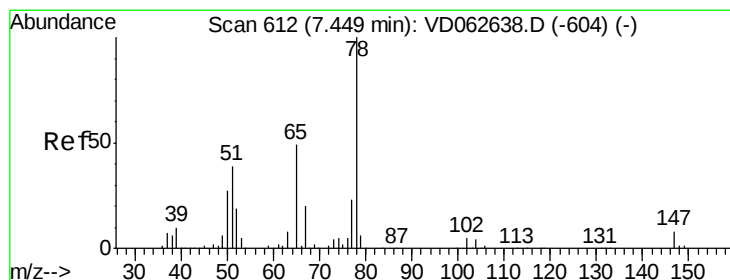
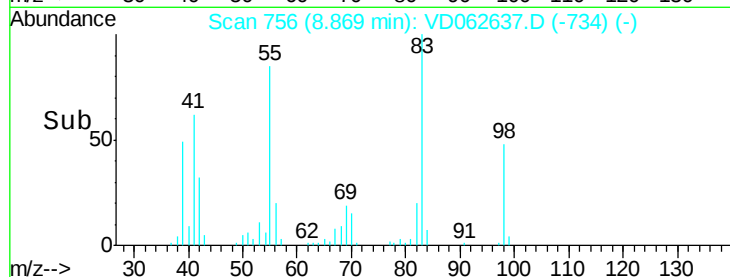
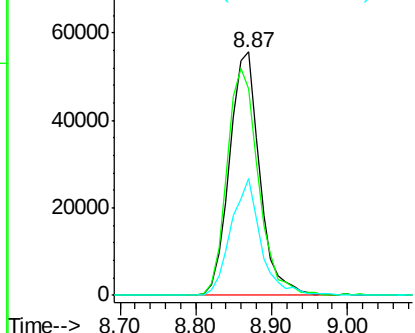
#39
Methvlcvclohexane
Concen: 17.173 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 152780
Ion Ratio Lower Upper
83 100
55 85.1 84.6 127.0
98 48.1 38.2 57.4

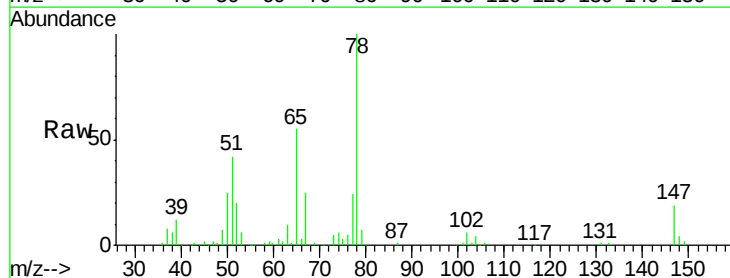


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

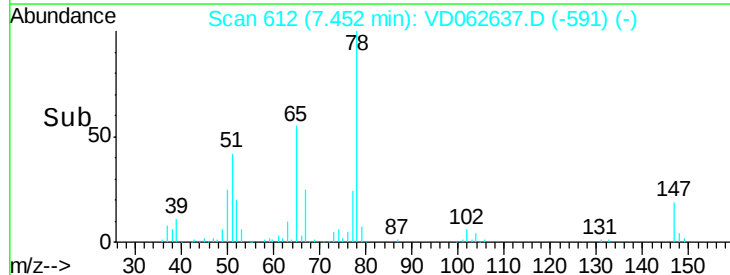
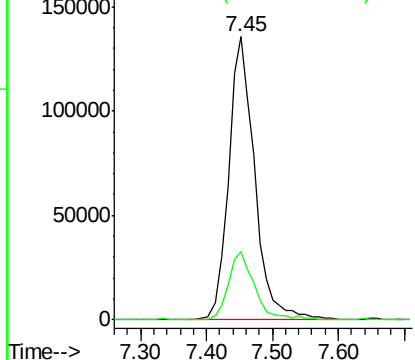


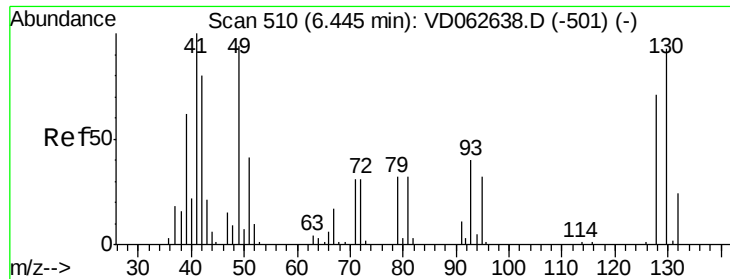
#40
Benzene
Concen: 17.622 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 78 Resp: 375289
Ion Ratio Lower Upper
78 100
77 24.3 18.6 28.0



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 18.119 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 105834

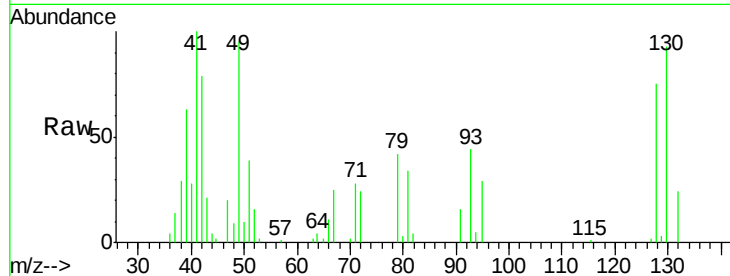
Ion Ratio Lower Upper

41 100

39 62.9 49.2 73.8

67 25.0 13.9 20.9#

52 15.5 7.6 11.4#

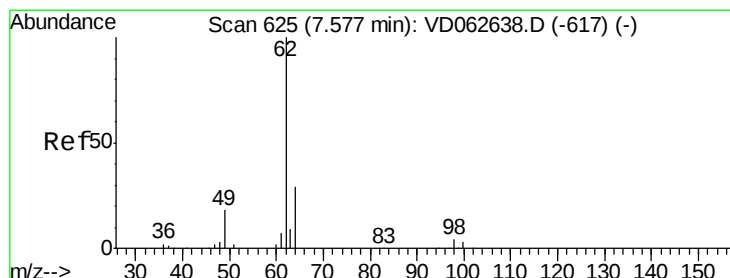
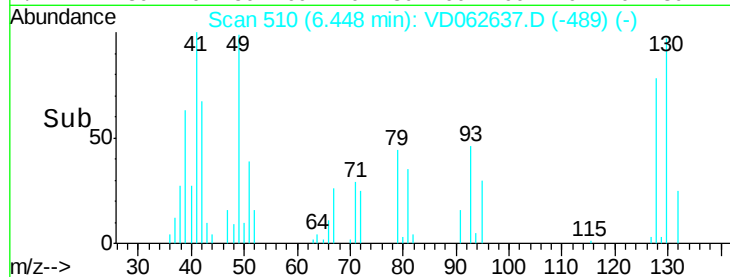
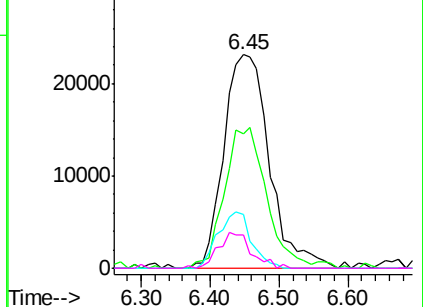


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 17.894 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD062637.D

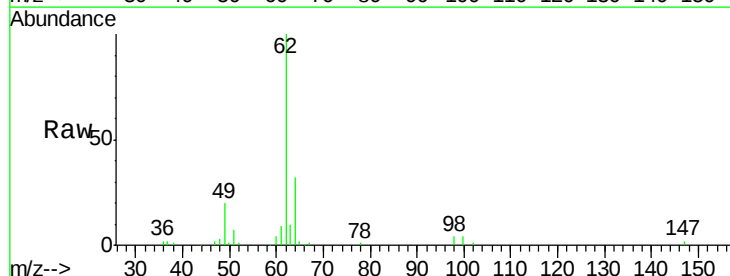
Acq: 7 Jun 2019 11:47

Tgt Ion: 62 Resp: 228542

Ion Ratio Lower Upper

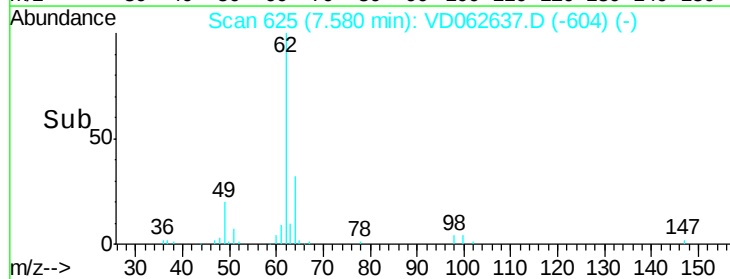
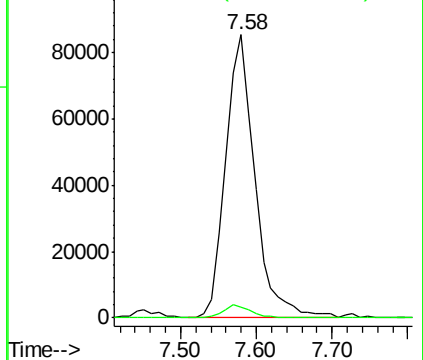
62 100

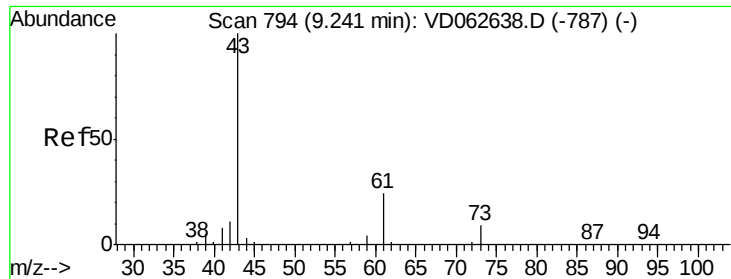
98 3.9 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 17.125 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

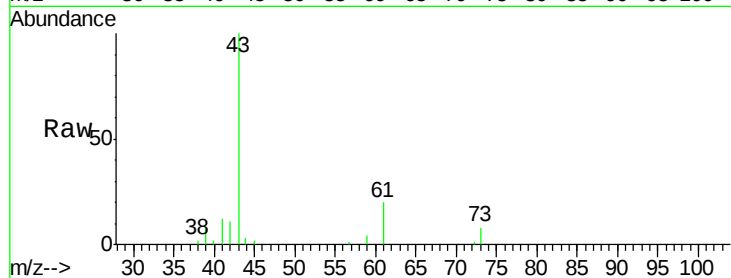
Tot Ion: 43 Resp: 98002

Ion Ratio Lower Upper

43 100

61 19.6 19.0 28.6

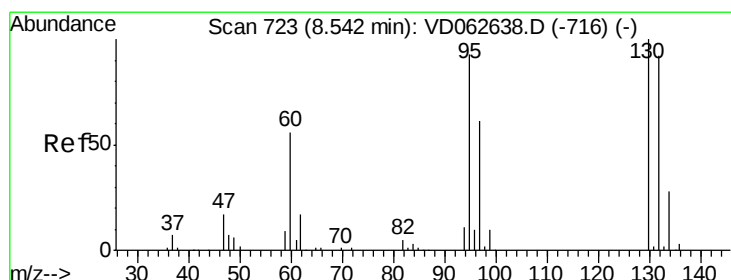
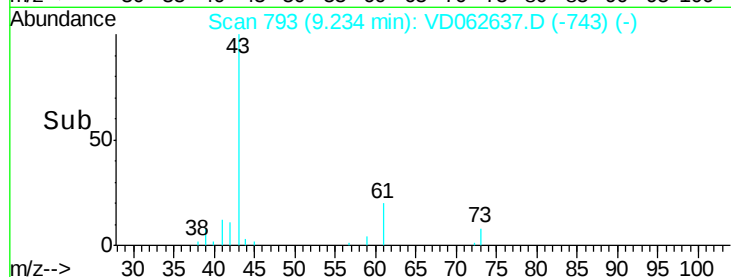
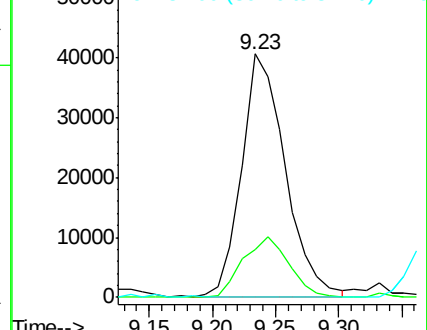
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.028 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062637.D

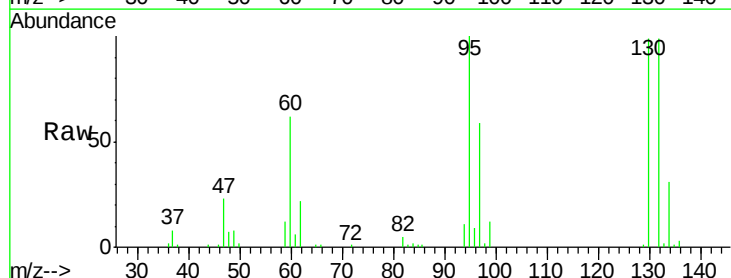
Acq: 7 Jun 2019 11:47

Tgt Ion:130 Resp: 158478

Ion Ratio Lower Upper

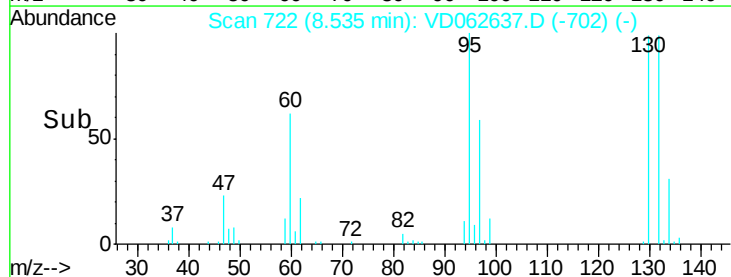
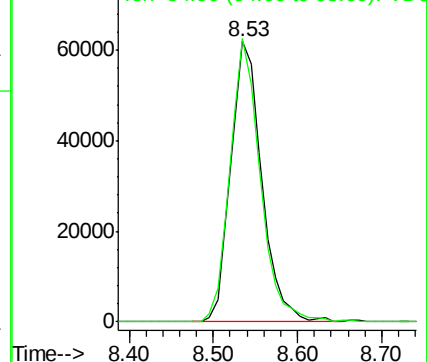
130 100

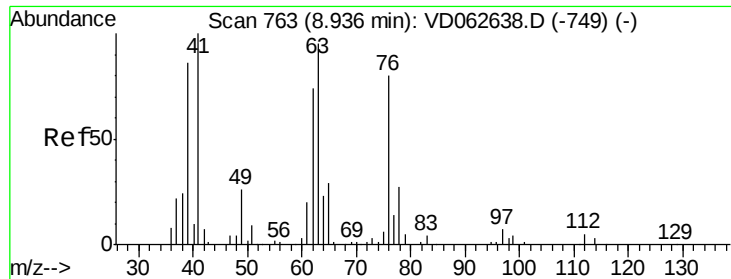
95 100.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.037 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

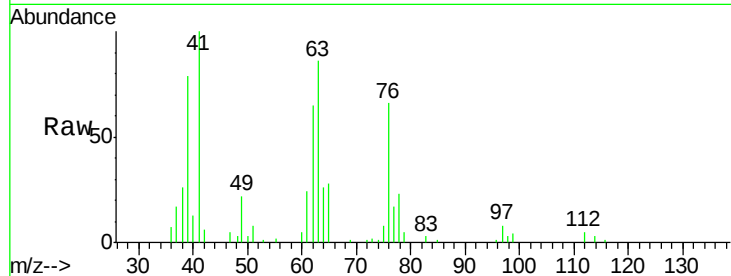
VSTDIC020

Tot Ion: 63 Resp: 88022

Ion Ratio Lower Upper

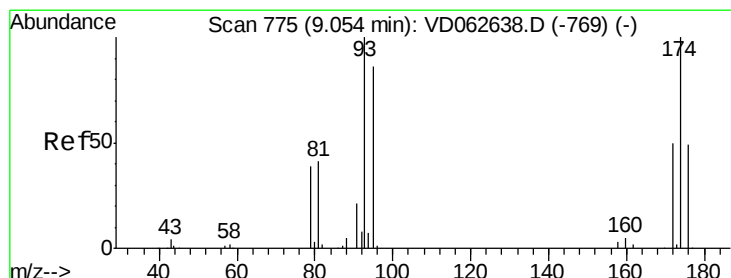
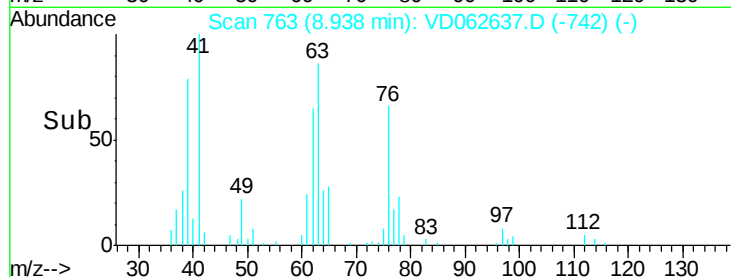
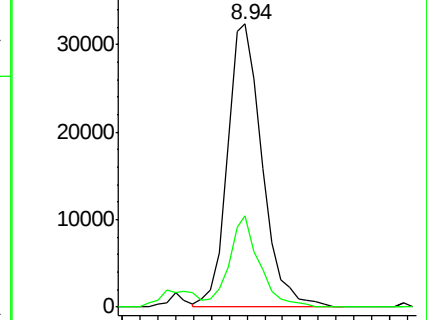
63 100

65 32.5 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.573 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

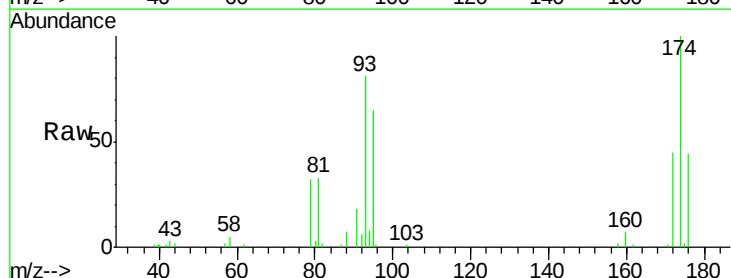
Tgt Ion: 93 Resp: 85936

Ion Ratio Lower Upper

93 100

95 80.3 68.7 103.1

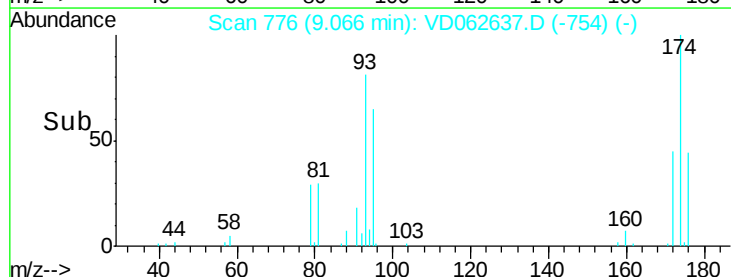
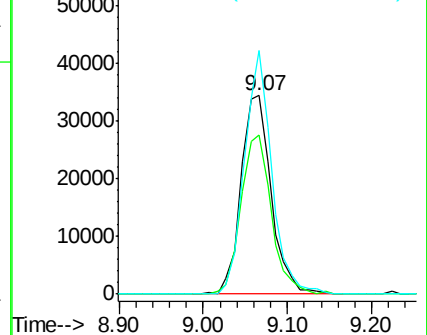
174 122.8 79.8 119.8#

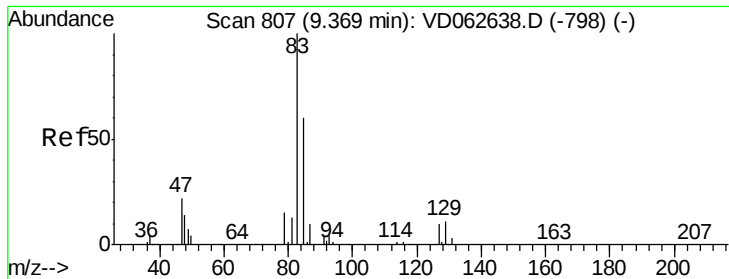


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 18.089 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

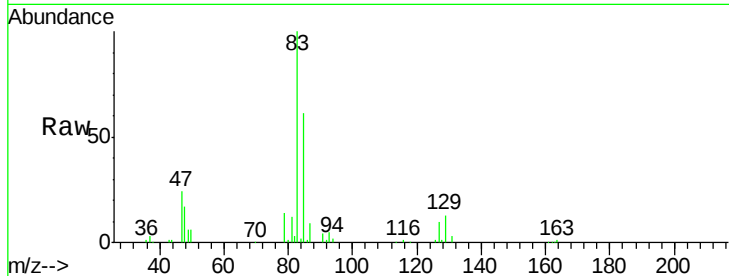
Tot Ion: 83 Resp: 227231

Ion Ratio Lower Upper

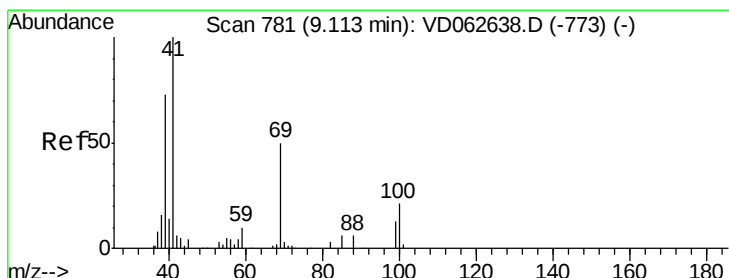
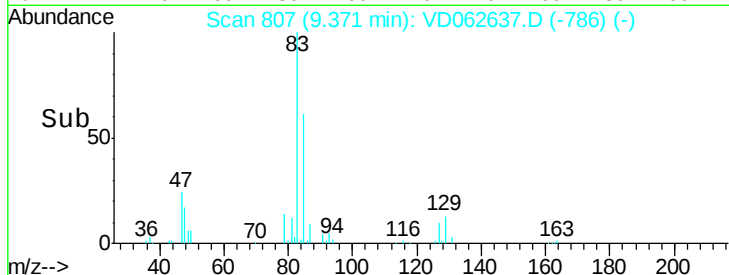
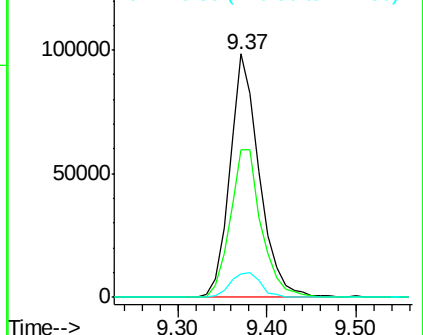
83 100

85 60.7 47.9 71.9

127 9.8 8.2 12.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.031 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

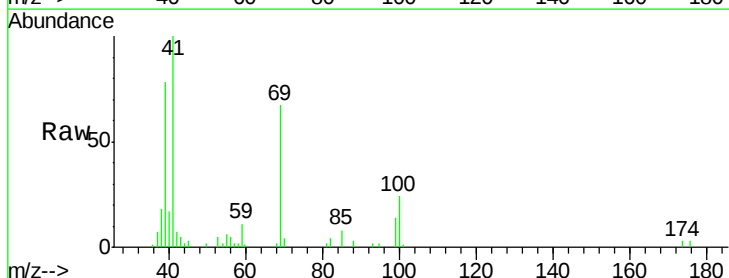
Tgt Ion: 41 Resp: 76818

Ion Ratio Lower Upper

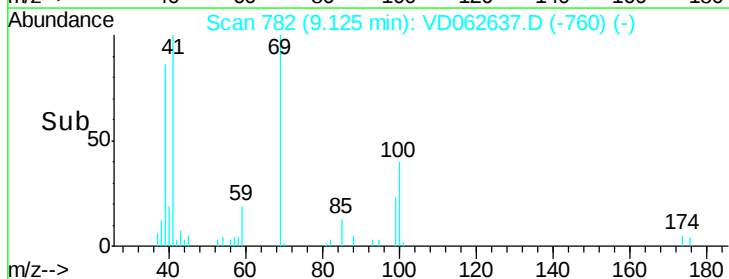
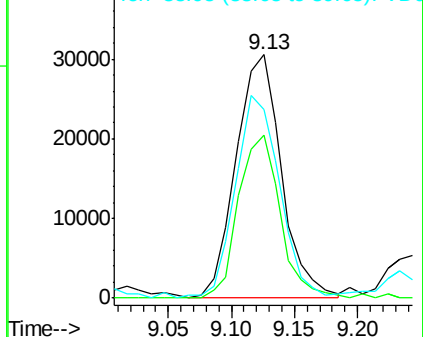
41 100

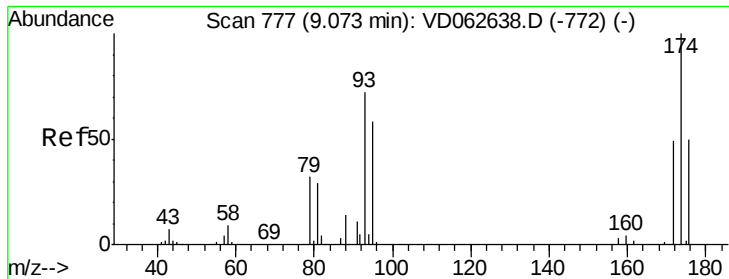
69 67.0 39.8 59.6#

39 77.6 59.1 88.7



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

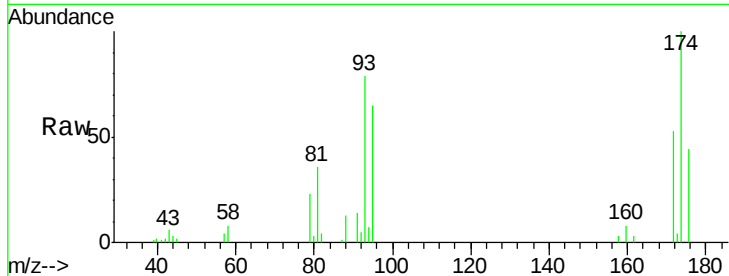




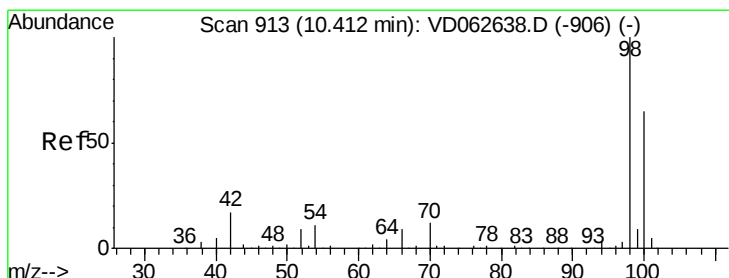
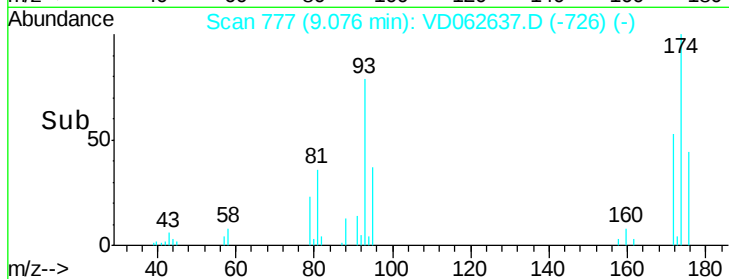
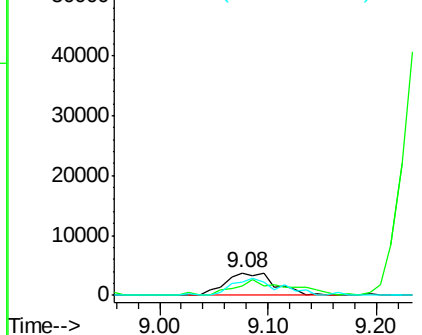
#49
1,4-Dioxane
Concen: 355.783 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 11974
Ion Ratio Lower Upper
88 100
43 42.2 40.7 61.1
58 60.7 54.2 81.4

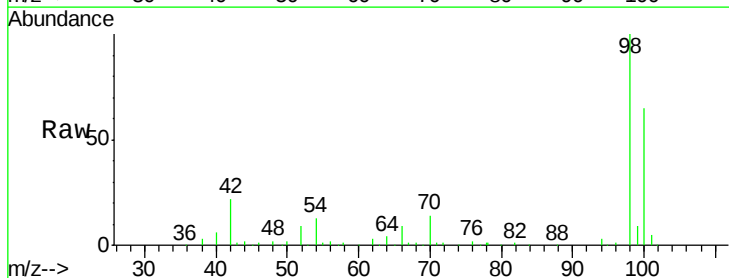


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

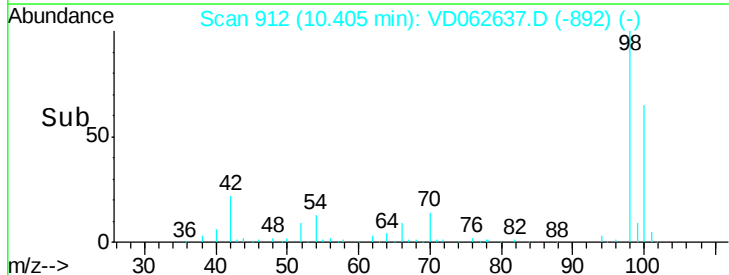
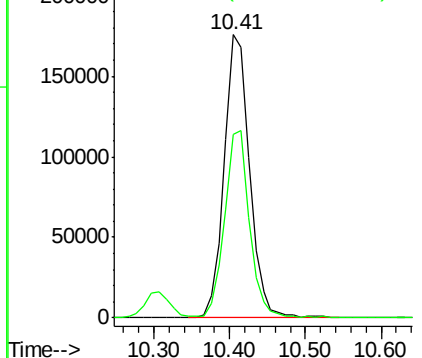


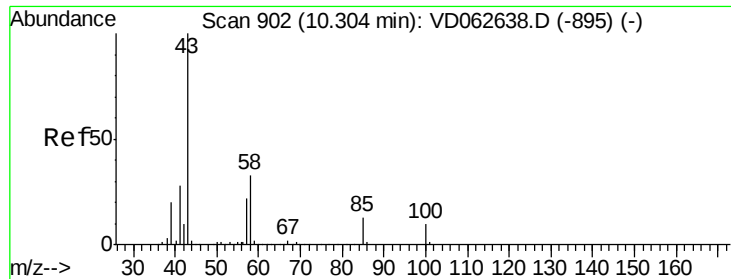
#50
Toluene-d8
Concen: 19.322 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 98 Resp: 407371
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

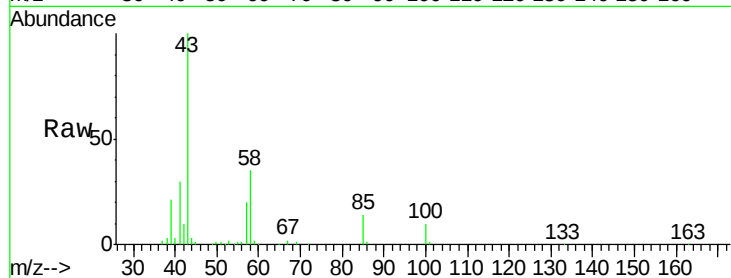




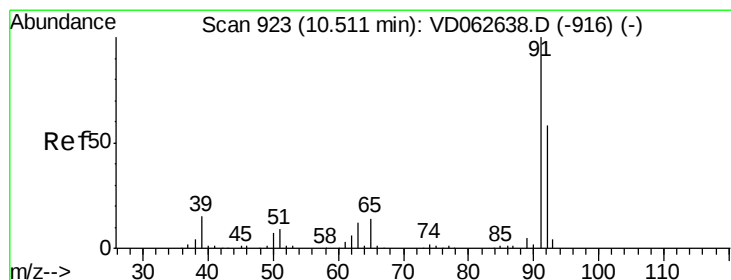
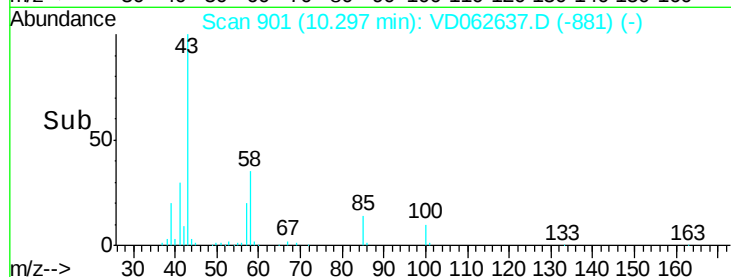
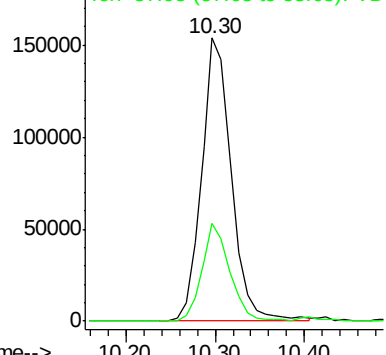
#51
4-Methyl-2-Pentanone
Concen: 88.261 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 358662
Ion Ratio Lower Upper
43 100
58 34.7 26.1 39.1

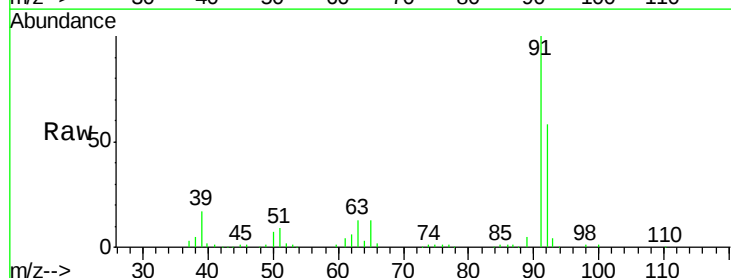


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

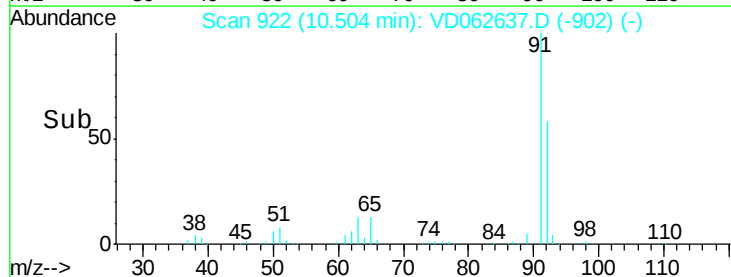
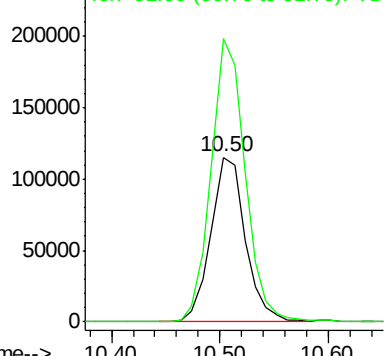


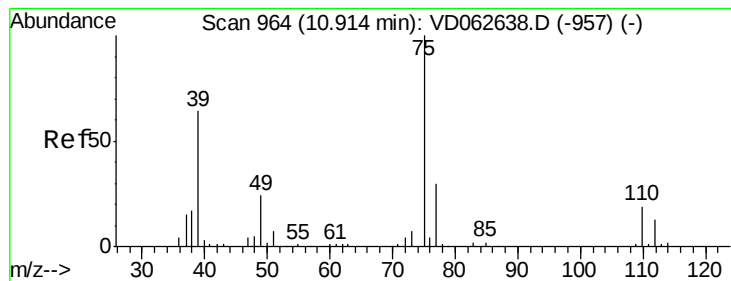
#52
Toluene
Concen: 17.635 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 92 Resp: 256982
Ion Ratio Lower Upper
92 100
91 172.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 17.623 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

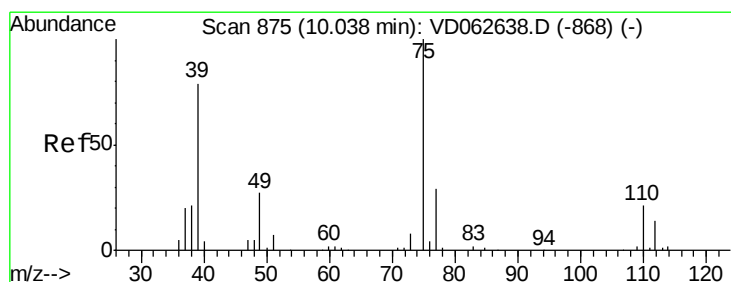
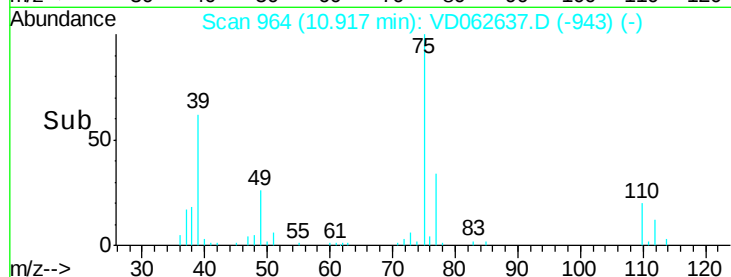
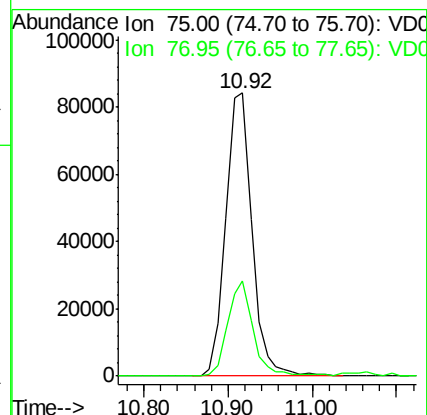
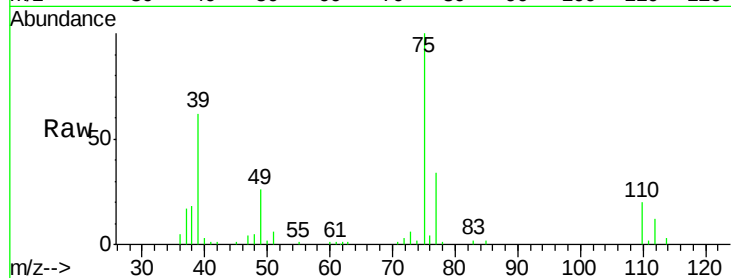
VSTDIC020

Tot Ion: 75 Resp: 182224

Ion Ratio Lower Upper

75 100

77 33.7 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 17.467 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

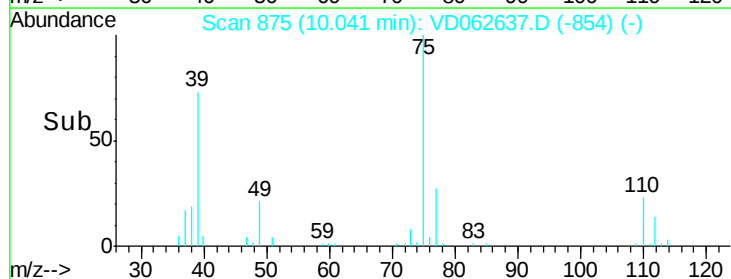
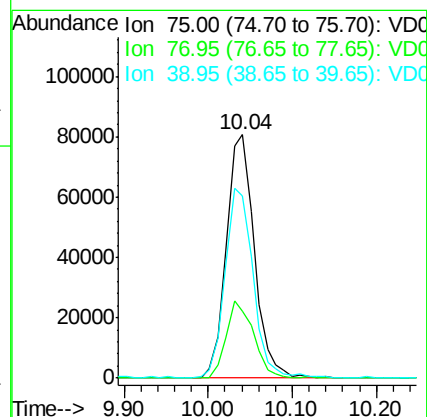
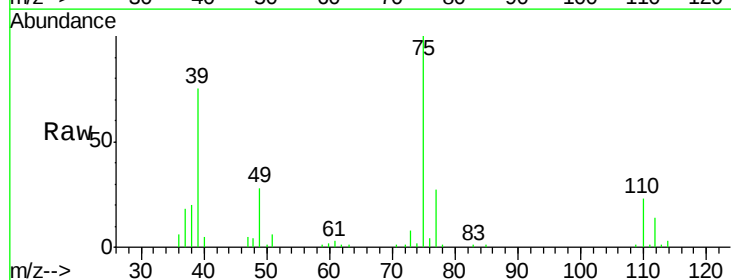
Tgt Ion: 75 Resp: 186889

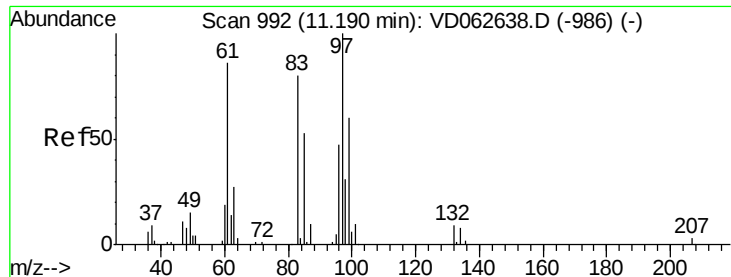
Ion Ratio Lower Upper

75 100

77 27.4 23.1 34.7

39 74.6 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 17.753 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 86444

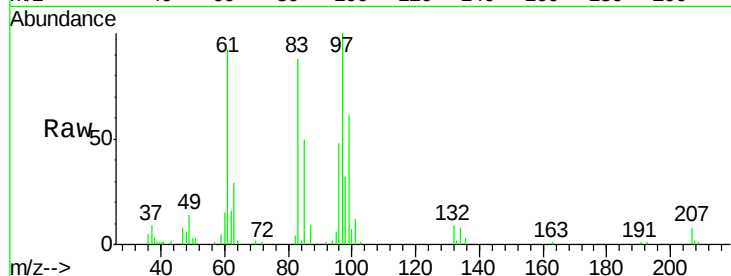
Ion Ratio Lower Upper

97 100

83 88.0 63.8 95.8

85 50.1 42.3 63.5

99 61.1 48.0 72.0

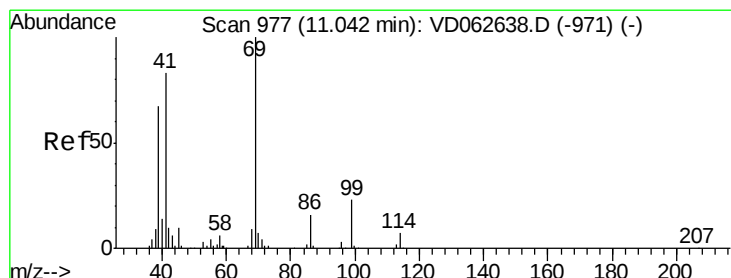
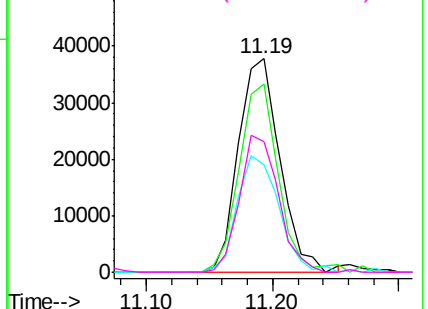
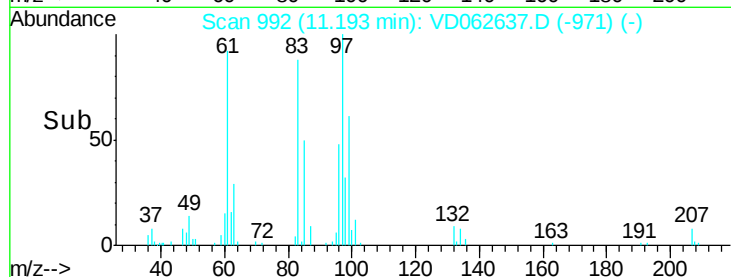


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 16.586 ug/l

RT: 11.04 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

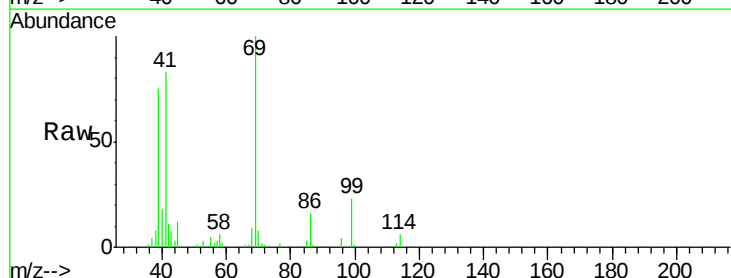
Tgt Ion: 69 Resp: 88275

Ion Ratio Lower Upper

69 100

41 83.2 66.2 99.4

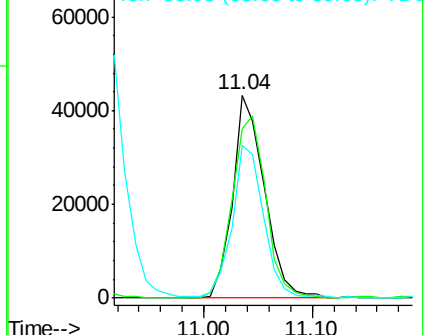
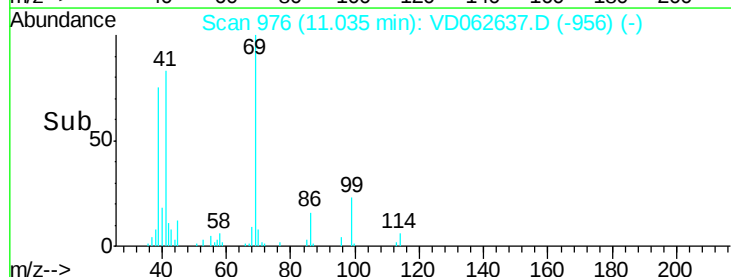
39 75.5 53.8 80.8

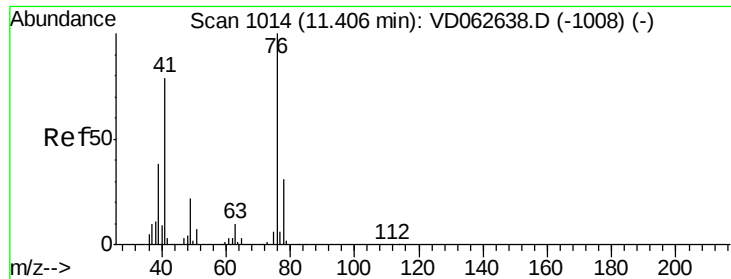


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

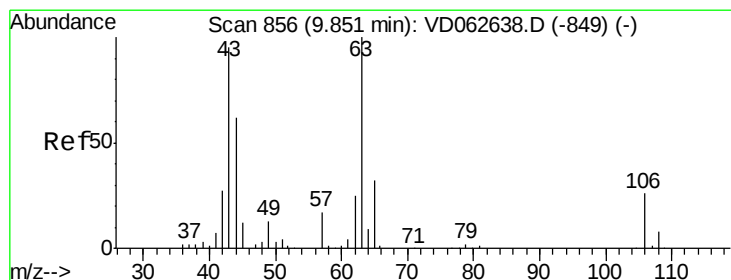
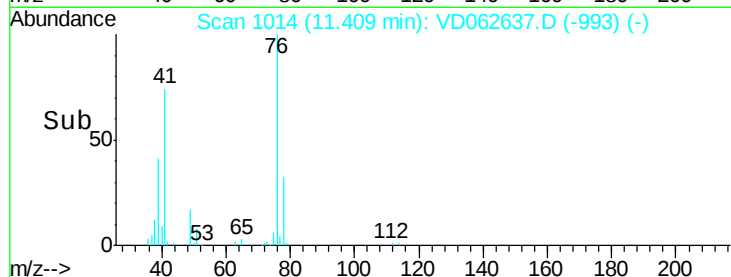
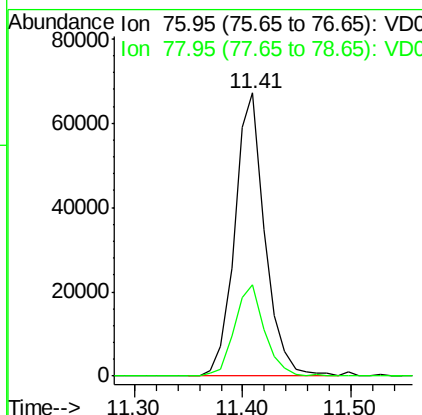
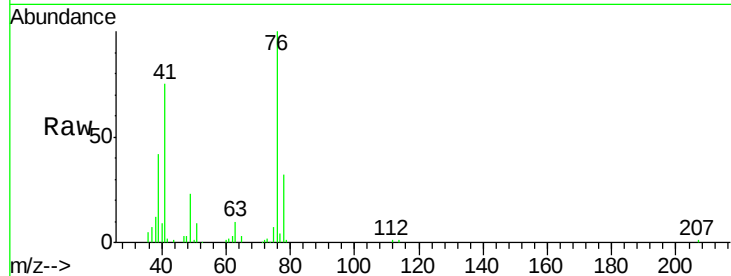




#57
 1,3-Dichloropropane
 Concen: 16.928 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

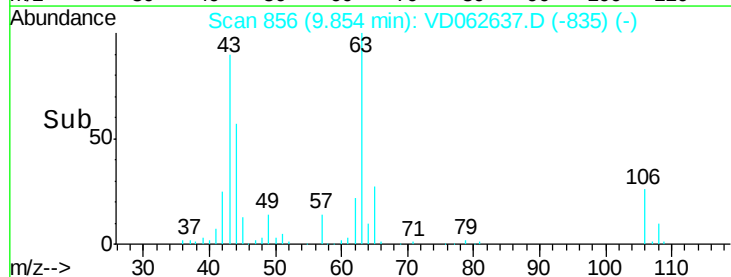
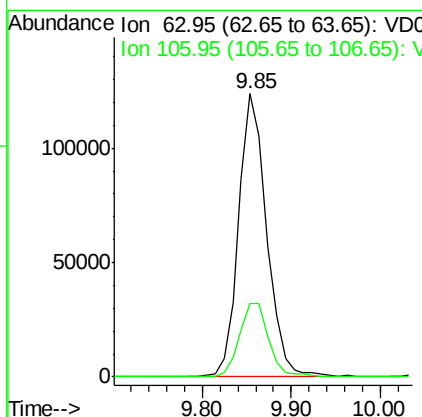
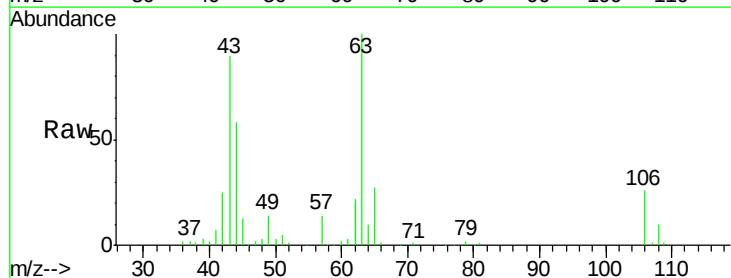
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

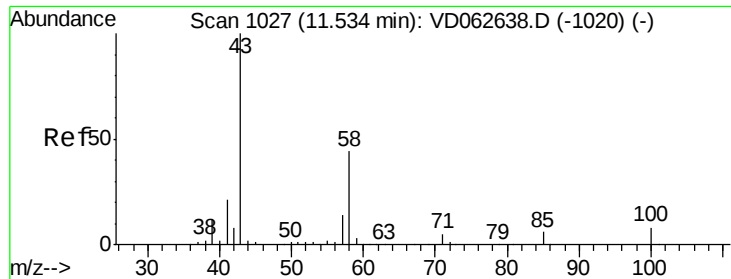
Tot Ion: 76 Resp: 129631
 Ion Ratio Lower Upper
 76 100
 78 32.3 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.130 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion: 63 Resp: 270514
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.5 30.7

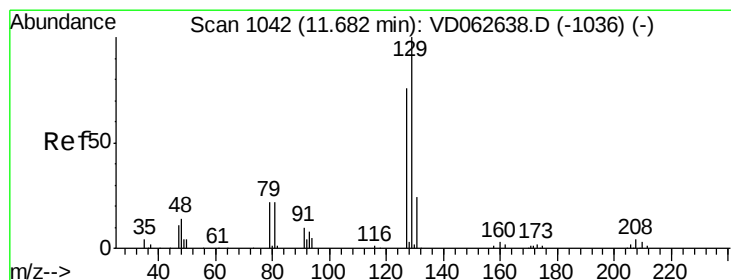
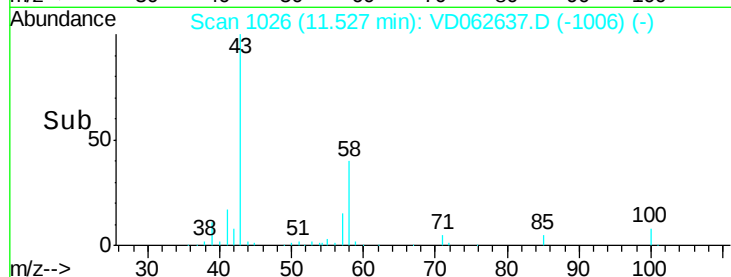
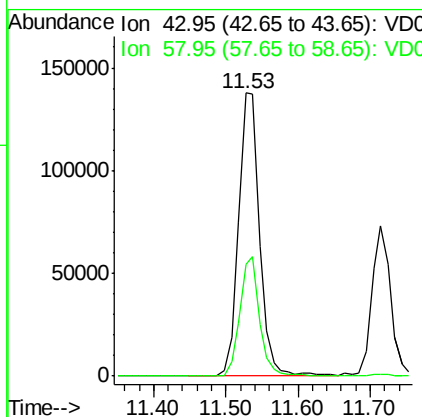
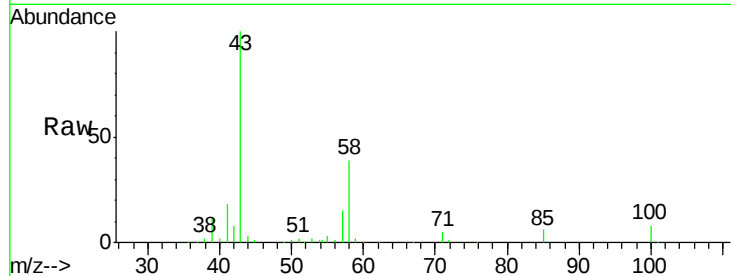




#59
2-Hexanone
Concen: 91.822 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

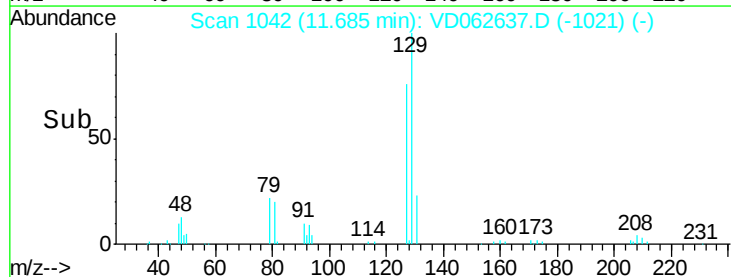
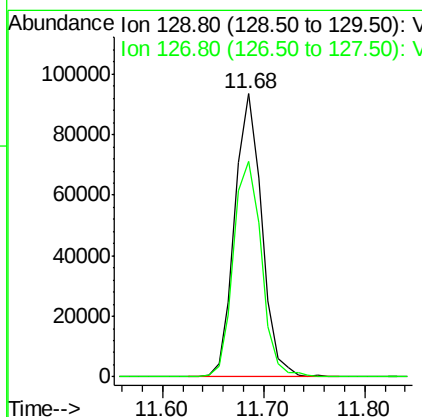
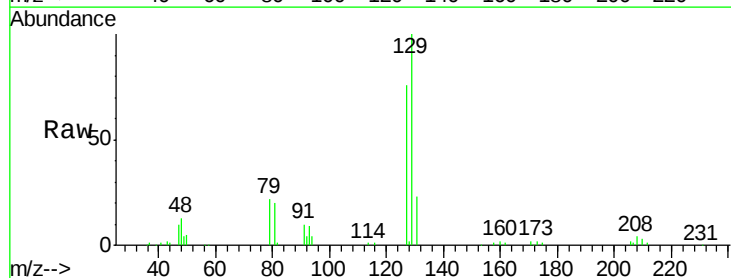
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

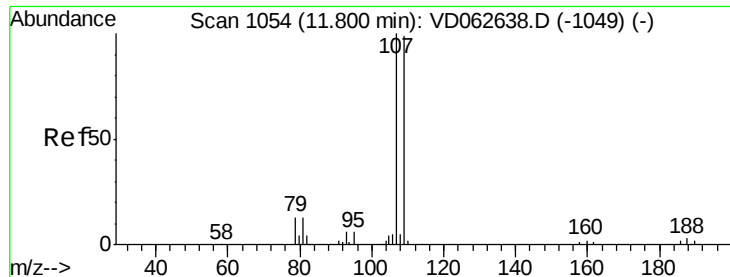
Tot Ion: 43 Resp: 280861
Ion Ratio Lower Upper
43 100
58 39.5 21.8 65.4



#60
Dibromochloromethane
Concen: 18.060 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion:129 Resp: 174666
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1

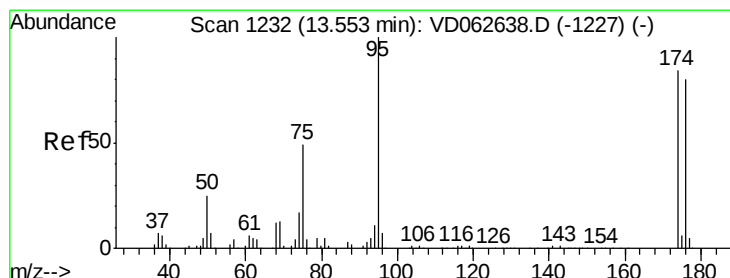
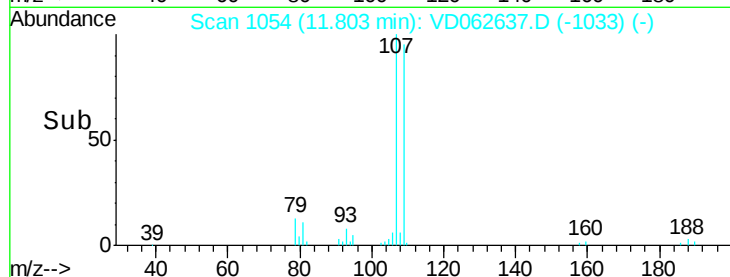
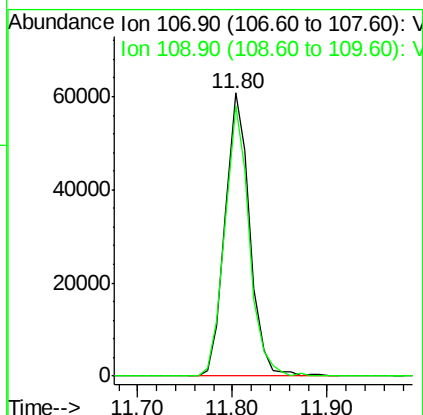
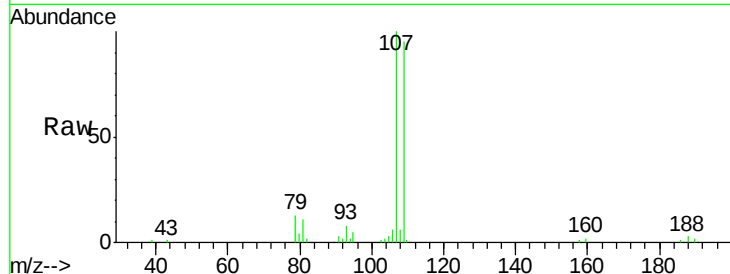




#61
1,2-Dibromoethane
Concen: 18.473 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

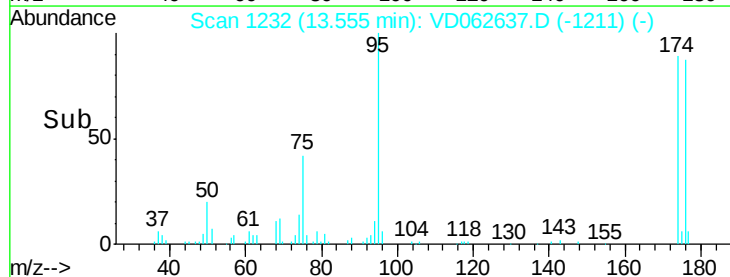
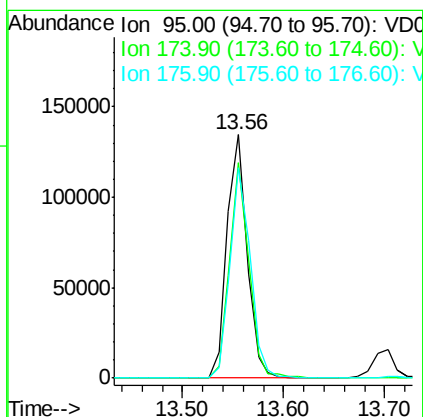
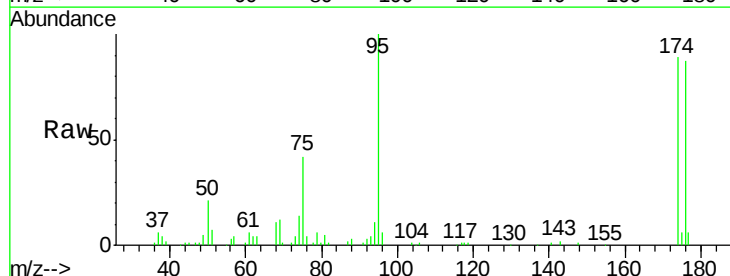
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

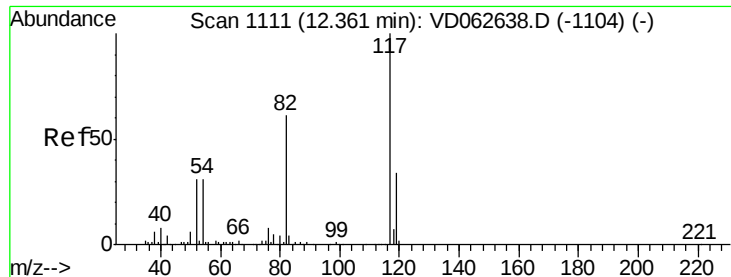
Tot Ion:107 Resp: 109085
Ion Ratio Lower Upper
107 100
109 95.5 79.2 118.8



#62
4-Bromofluorobenzene
Concen: 18.677 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 95 Resp: 186830
Ion Ratio Lower Upper
95 100
174 88.7 0.0 167.0
176 86.5 0.0 159.2

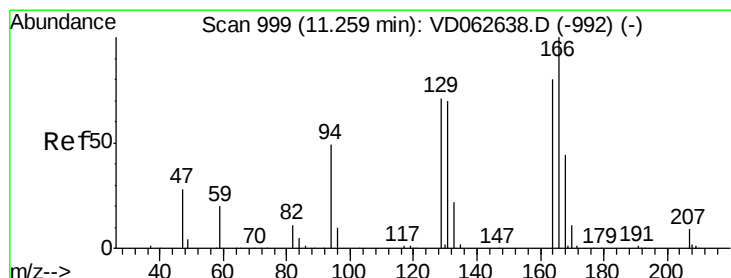
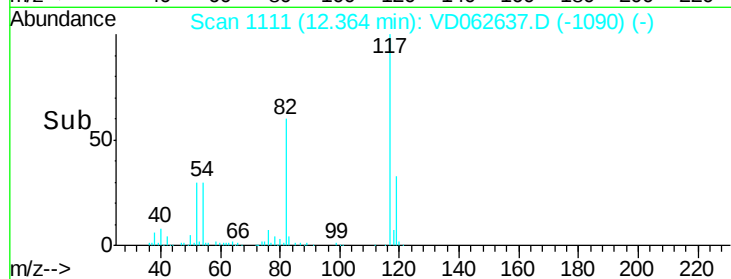
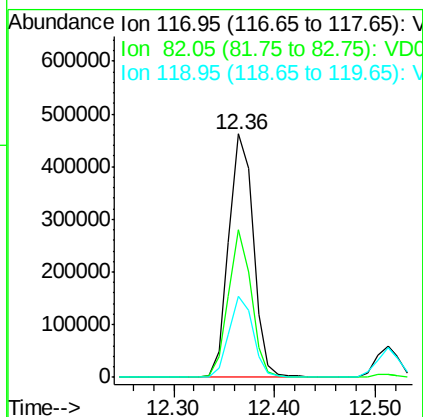
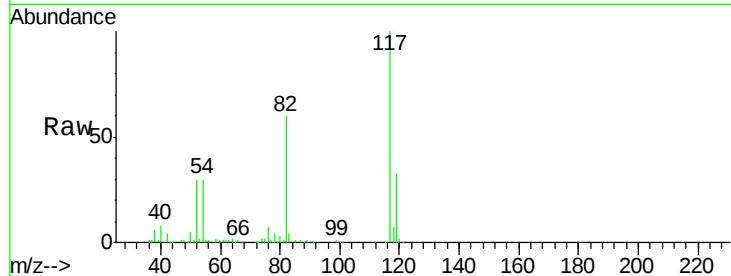




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

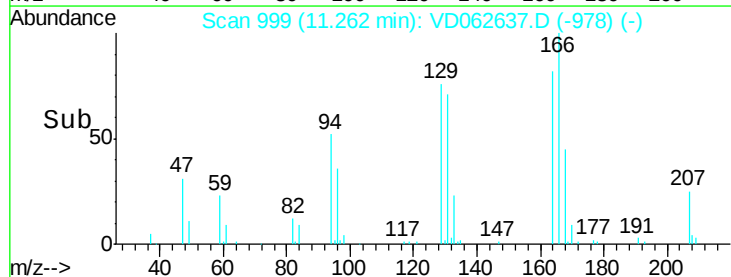
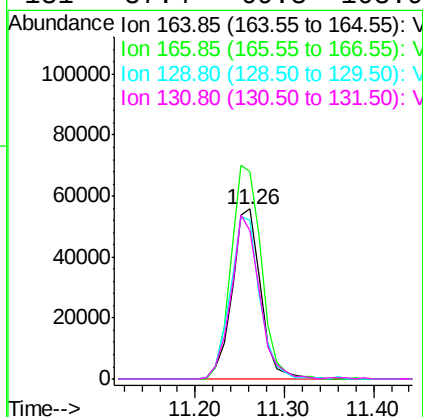
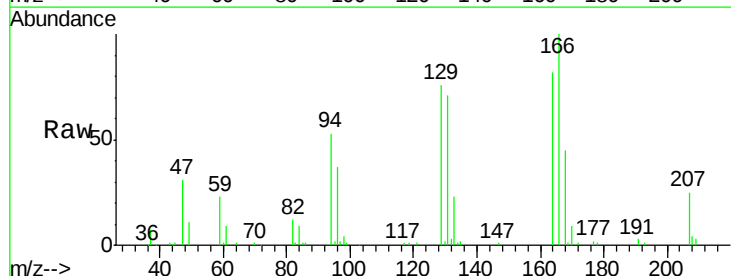
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

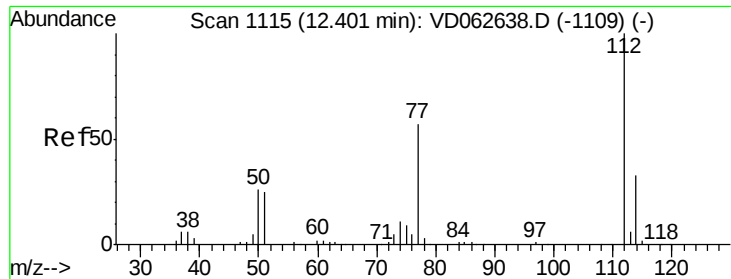
Tot Ion:117 Resp: 782513
Ion Ratio Lower Upper
117 100
82 60.5 48.7 73.1
119 33.1 27.0 40.6



#64
Tetrachloroethene
Concen: 16.798 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion:164 Resp: 124795
Ion Ratio Lower Upper
164 100
166 122.6 99.4 149.2
129 93.5 70.2 105.4
131 87.4 69.3 103.9

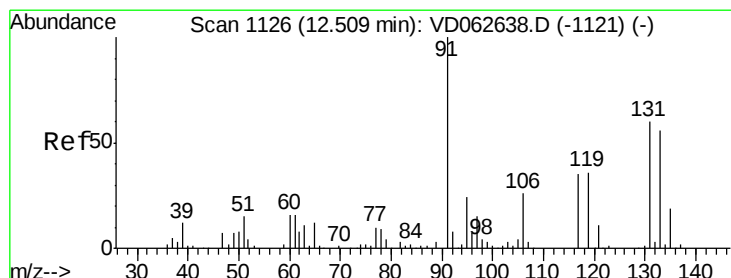
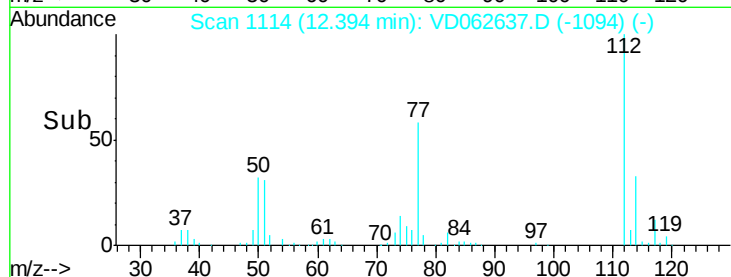
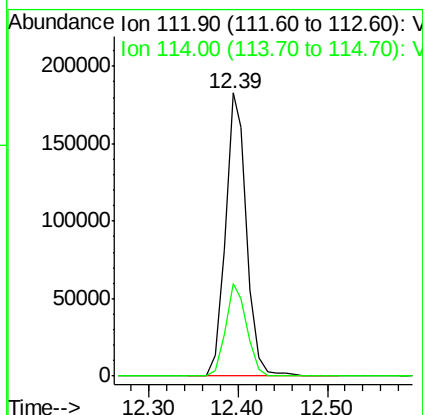
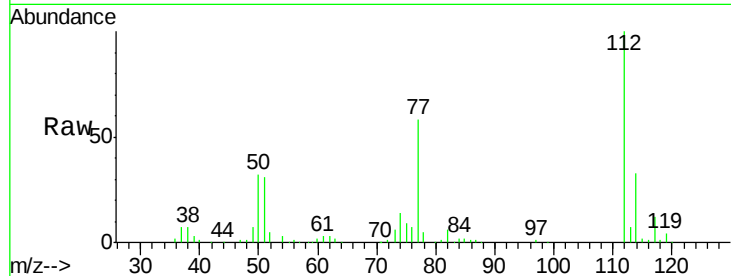




#65
Chlorobenzene
Concen: 17.377 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

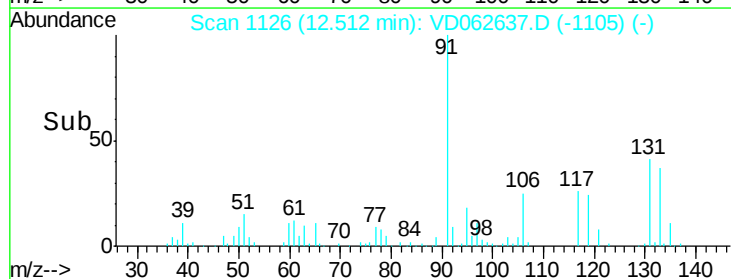
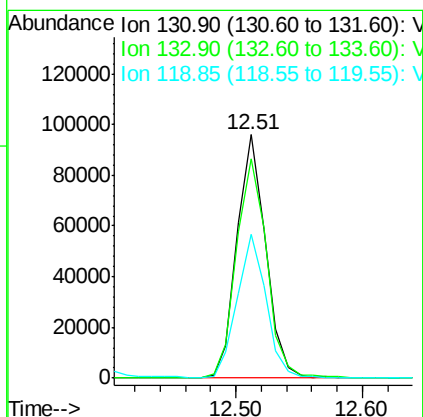
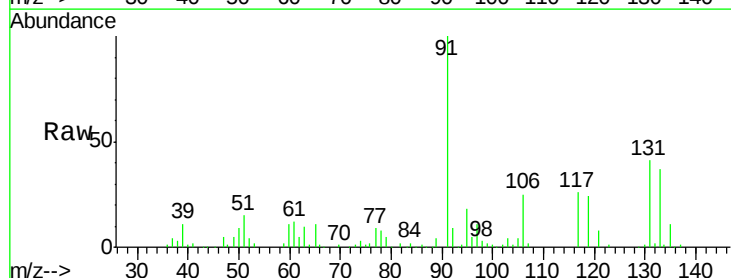
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

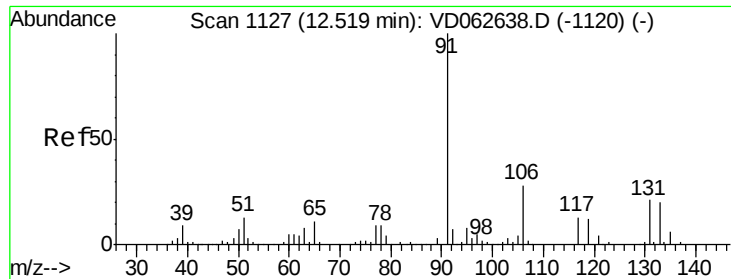
Tot Ion:112 Resp: 304612
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 17.917 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion:131 Resp: 150501
Ion Ratio Lower Upper
131 100
133 90.2 46.8 140.3
119 58.8 29.9 89.8

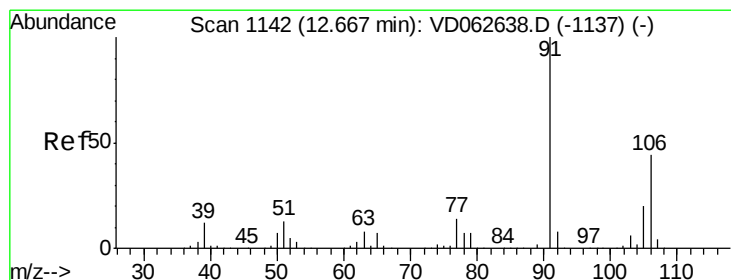
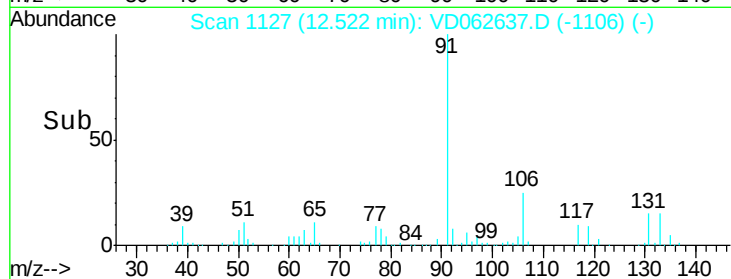
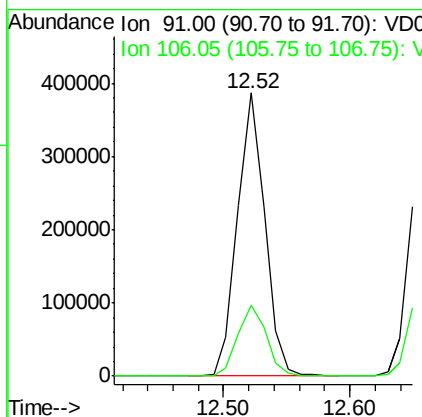
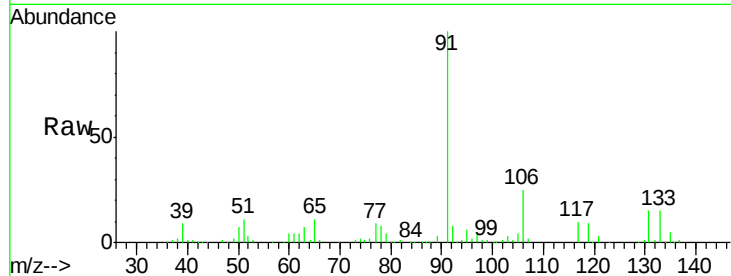




#67
Ethyl Benzene
Concen: 18.642 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

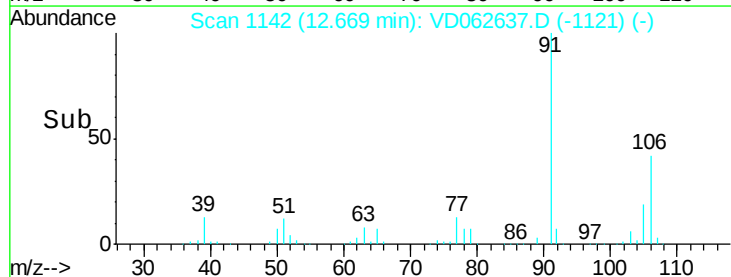
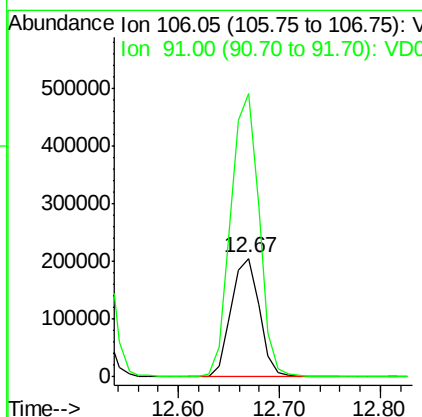
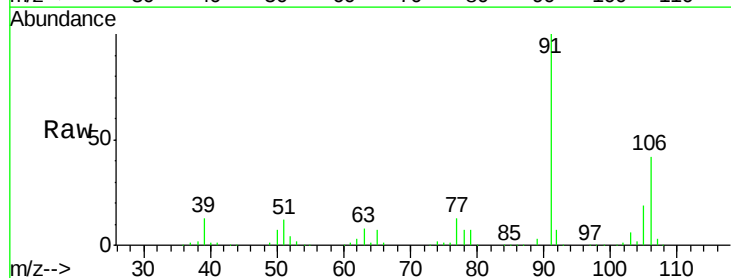
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

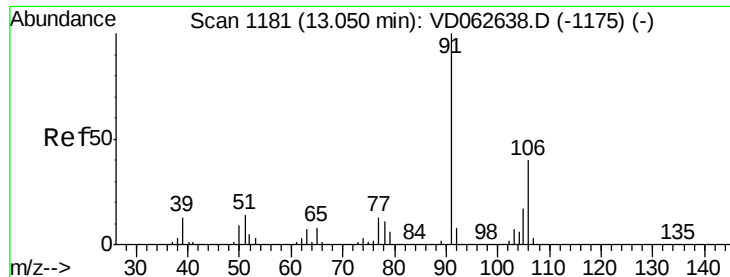
Tot Ion: 91 Resp: 580976
Ion Ratio Lower Upper
91 100
106 24.8 22.1 33.1



#68
m/p-Xylenes
Concen: 36.567 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 106 Resp: 399861
Ion Ratio Lower Upper
106 100
91 239.1 180.2 270.4

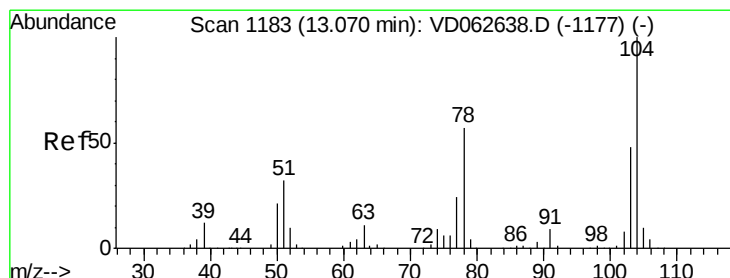
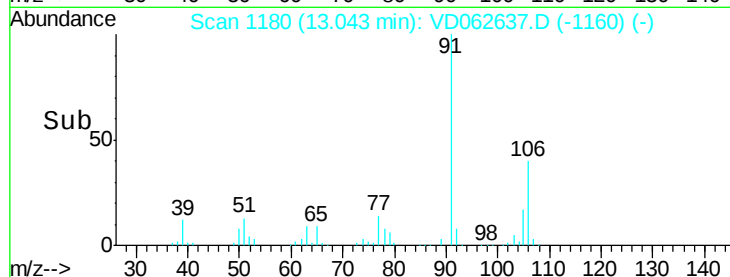
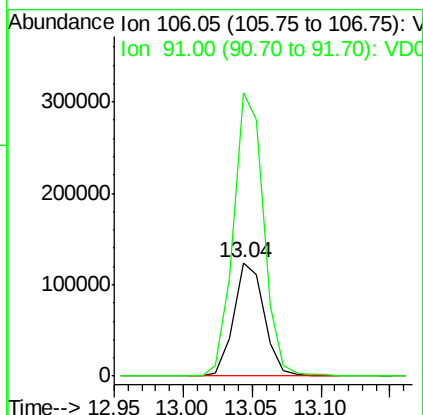
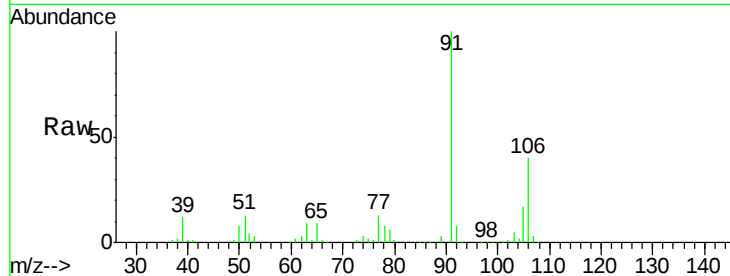




#69
o-Xylene
Concen: 18.643 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

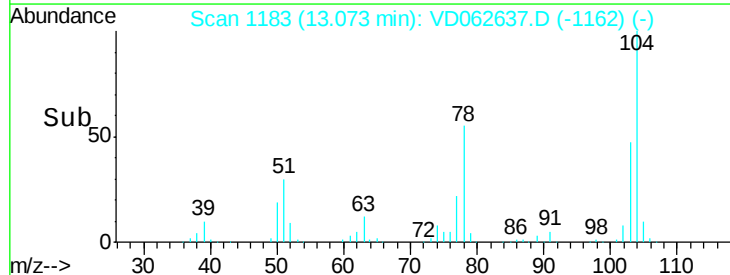
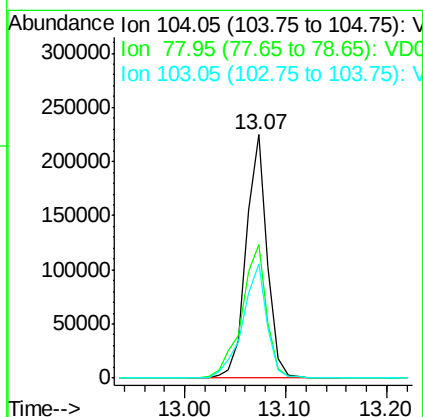
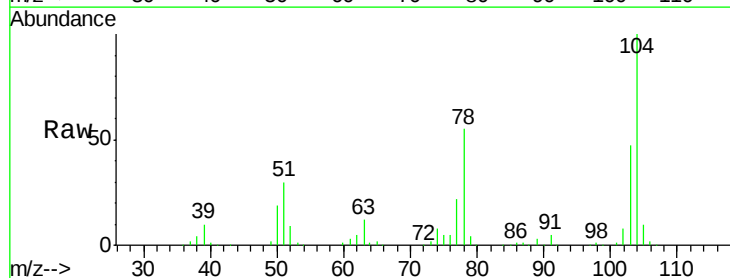
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

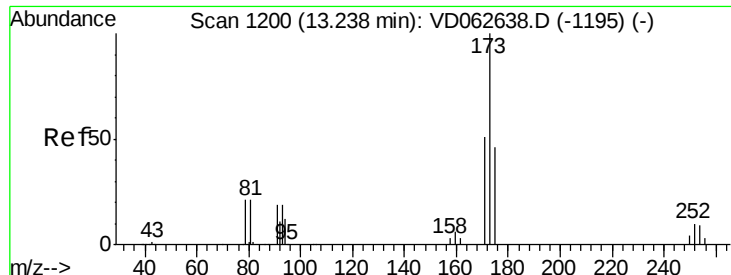
Tot Ion:106 Resp: 191345
Ion Ratio Lower Upper
106 100
91 250.2 124.1 372.1



#70
Styrene
Concen: 17.817 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion:104 Resp: 326069
Ion Ratio Lower Upper
104 100
78 54.8 45.9 68.9
103 46.9 38.4 57.6





#71

Bromoform

Concen: 17.518 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

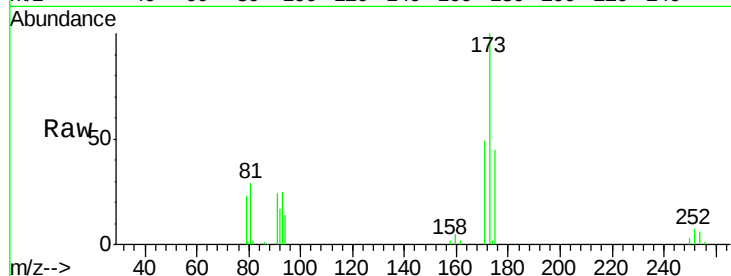
Tot Ion:173 Resp: 102280

Ion Ratio Lower Upper

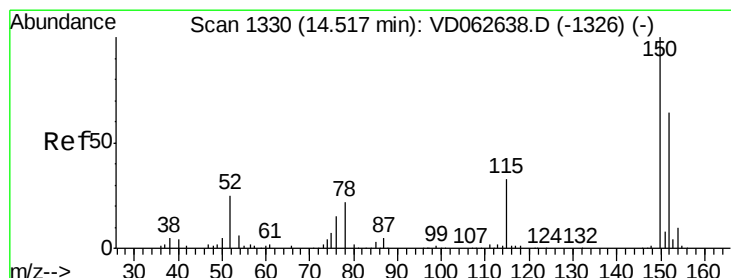
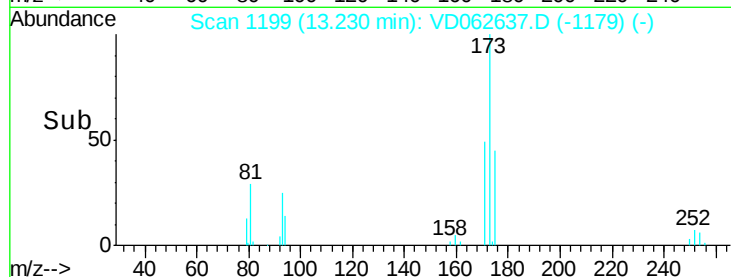
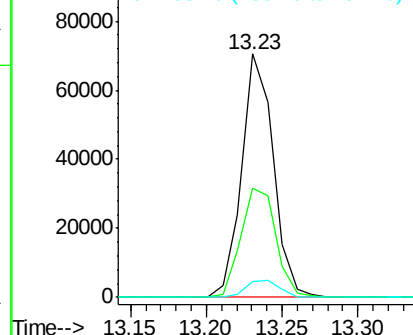
173 100

175 44.6 22.9 68.7

254 6.3 7.0 10.4#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

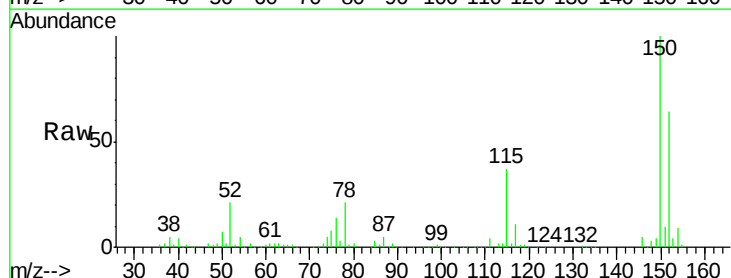
Tgt Ion:152 Resp: 448068

Ion Ratio Lower Upper

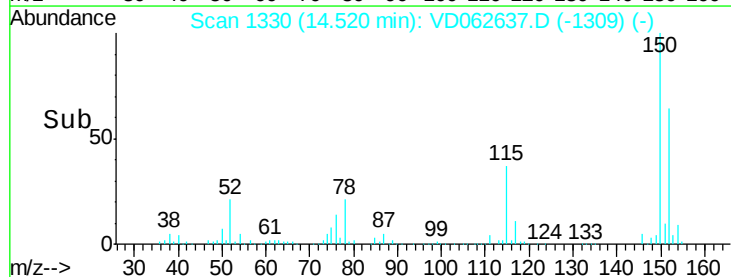
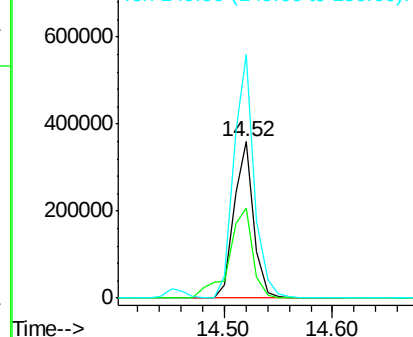
152 100

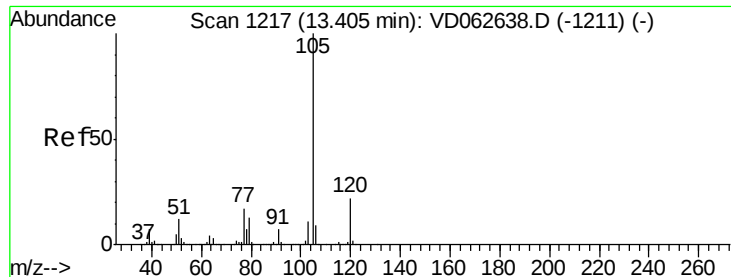
115 57.7 30.1 90.5

150 155.8 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.538 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

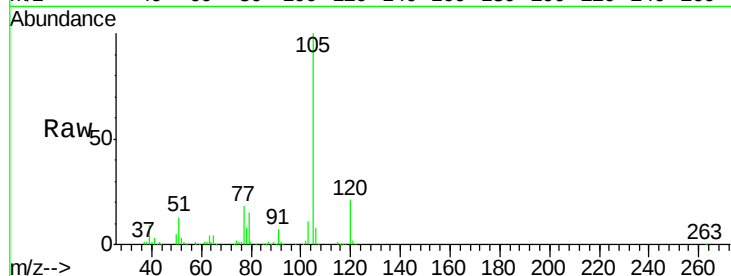
VSTDIC020

Tot Ion:105 Resp: 604809

Ion Ratio Lower Upper

105 100

120 21.5 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

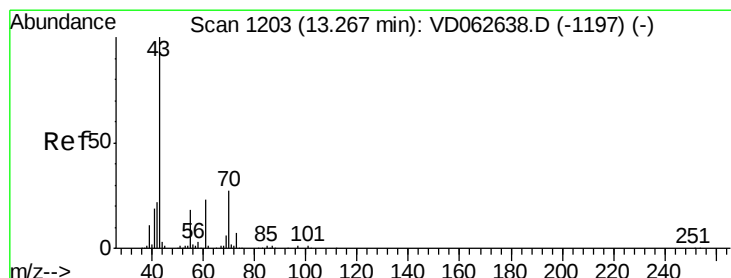
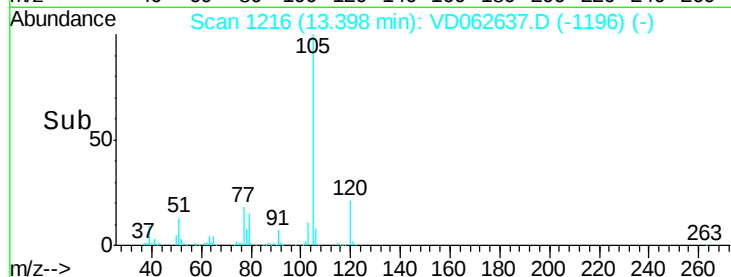
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 17.606 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Tgt Ion: 43 Resp: 154664

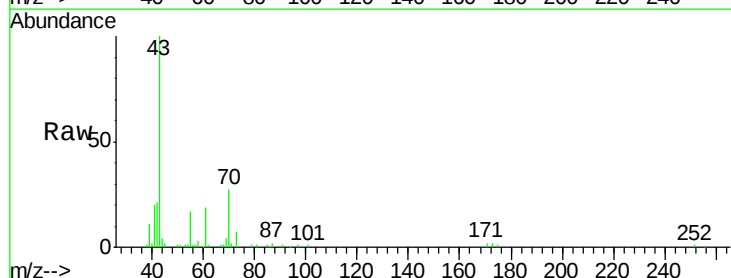
Ion Ratio Lower Upper

43 100

70 26.7 21.8 32.8

55 16.8 14.6 21.8

61 19.5 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.26

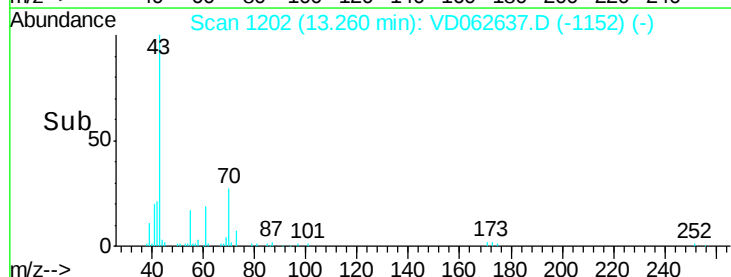
150000

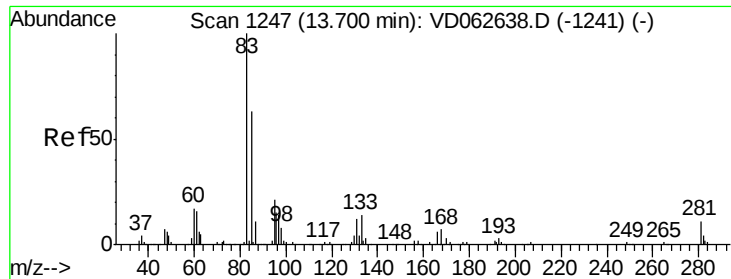
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 18.514 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

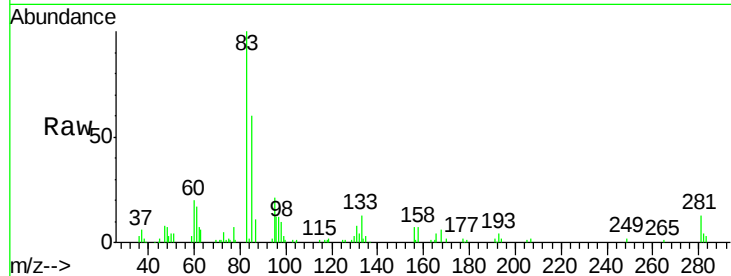
Tot Ion: 83 Resp: 102195

Ion Ratio Lower Upper

83 100

131 7.9 5.9 17.7

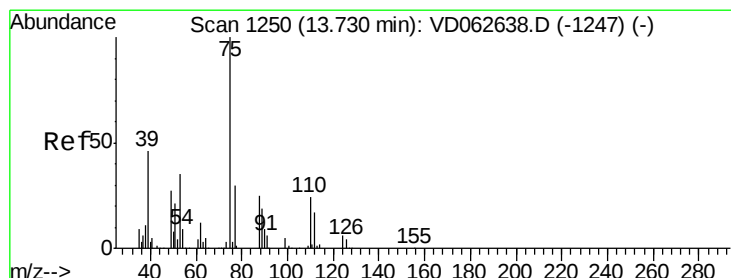
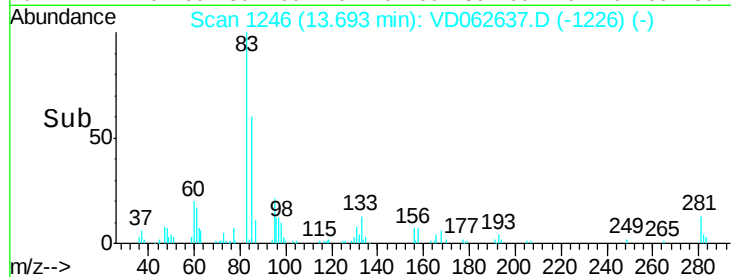
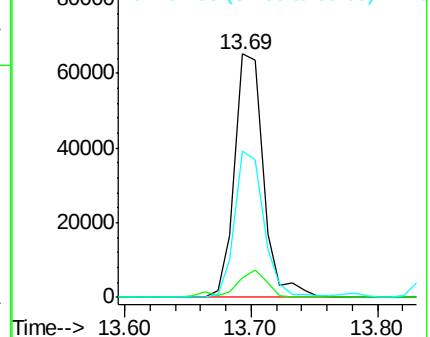
85 60.1 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 17.706 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062637.D

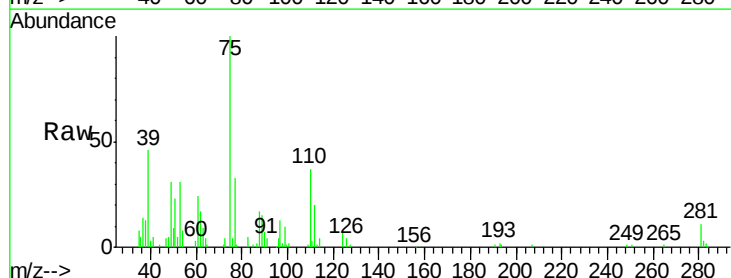
Acq: 7 Jun 2019 11:47

Tgt Ion: 75 Resp: 109456

Ion Ratio Lower Upper

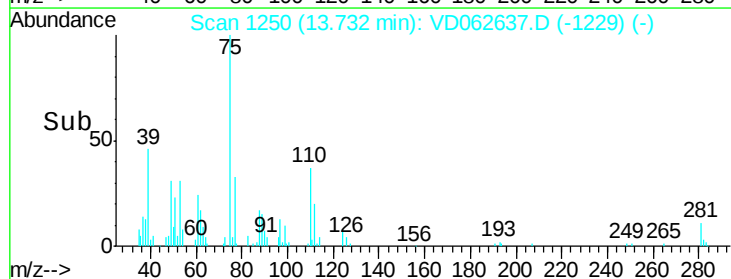
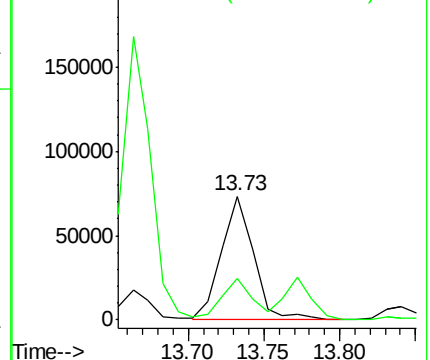
75 100

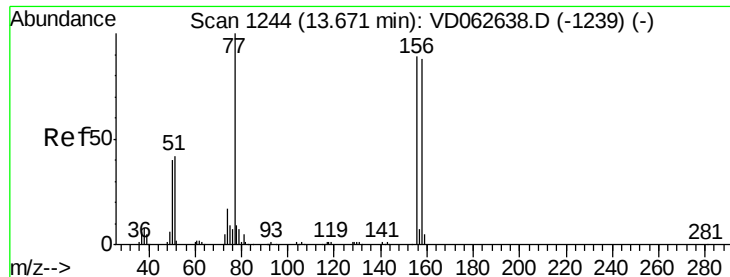
77 33.2 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.471 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

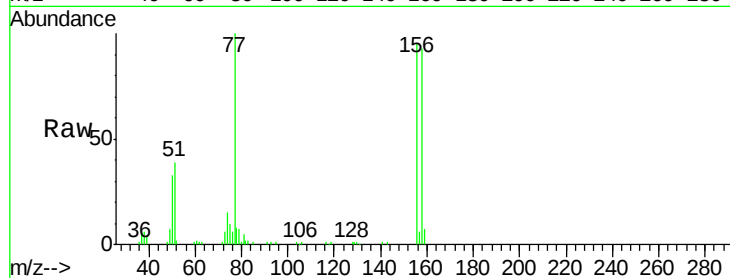
Tot Ion:156 Resp: 169555

Ion Ratio Lower Upper

156 100

77 105.4 56.3 168.8

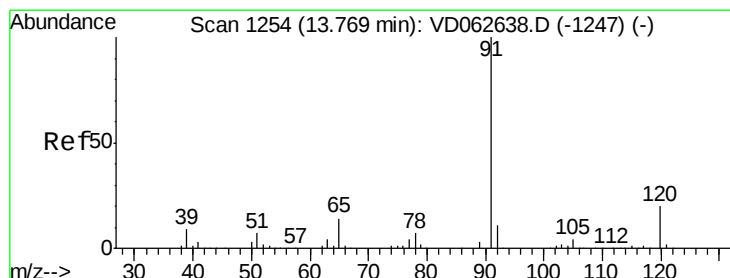
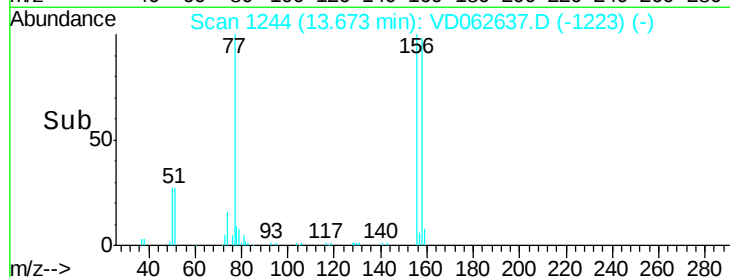
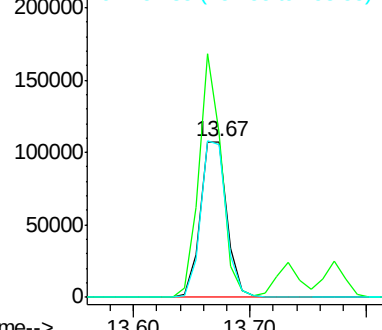
158 98.5 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.208 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062637.D

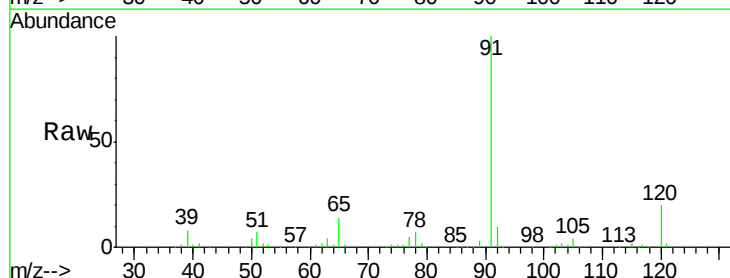
Acq: 7 Jun 2019 11:47

Tgt Ion: 91 Resp: 719117

Ion Ratio Lower Upper

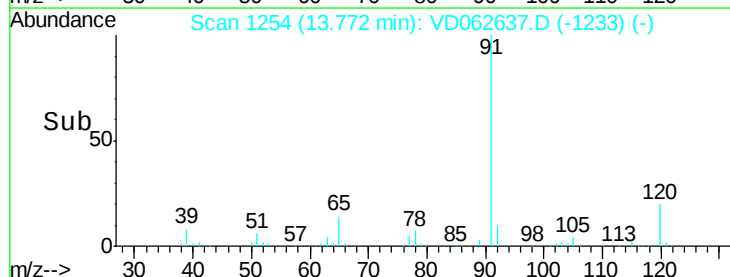
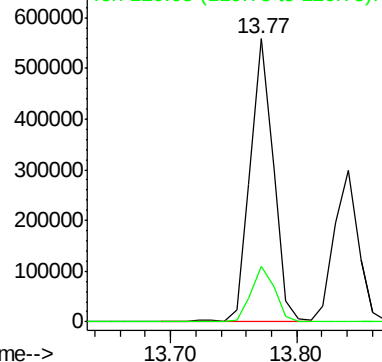
91 100

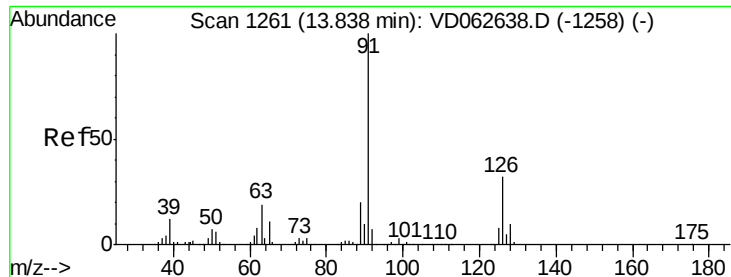
120 19.7 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

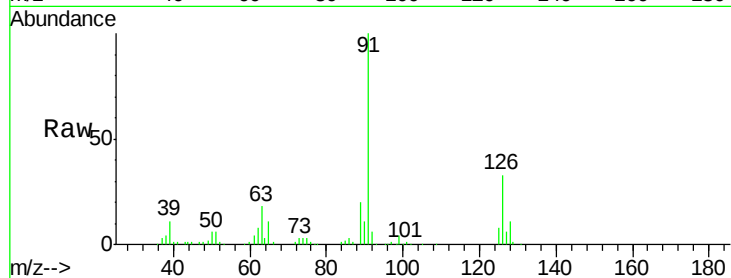




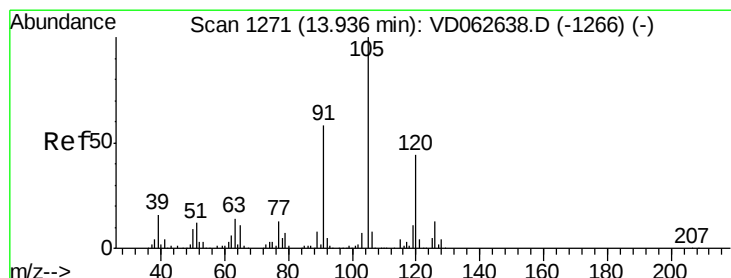
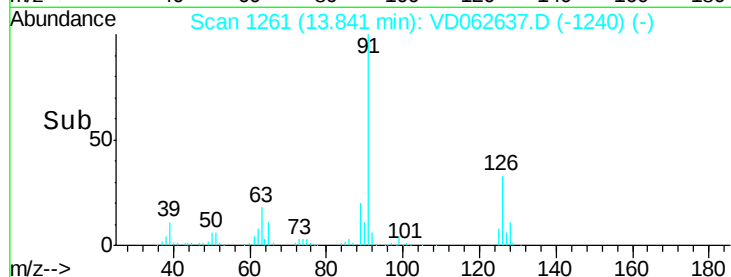
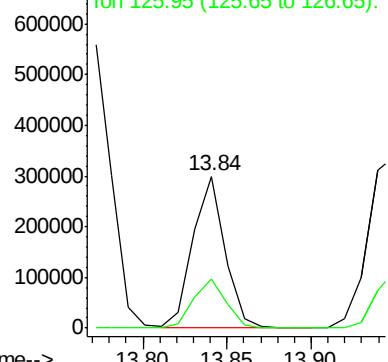
#79
 2-Chlorotoluene
 Concen: 17.223 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 396853
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.8 47.4

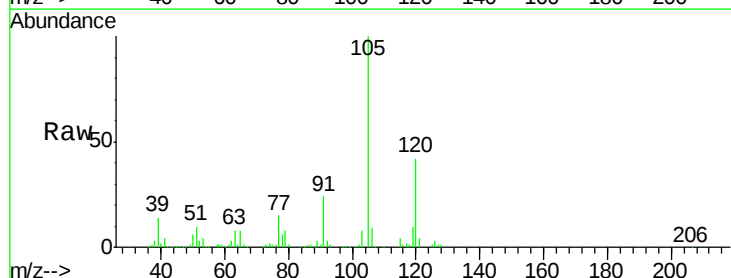


Abundance Ion 91.00 (90.70 to 91.70): VD062637.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD062637.D (-1258) (-)

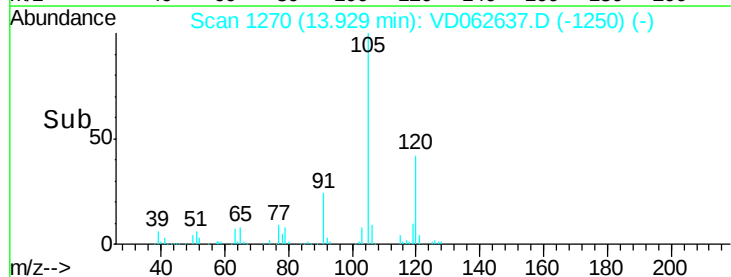
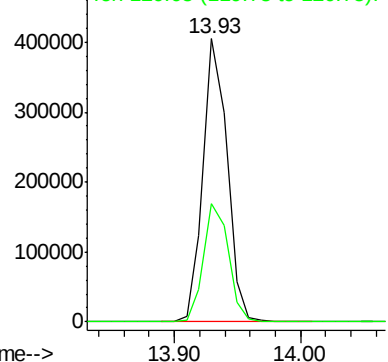


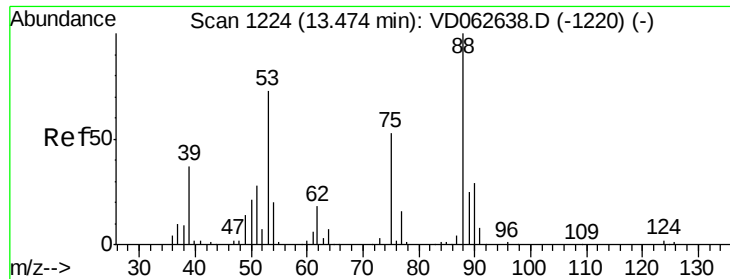
#80
 1,3,5-Trimethylbenzene
 Concen: 18.757 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion:105 Resp: 534105
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062637.D (-1250) (-)
 Ion 120.05 (119.75 to 120.75): VD062637.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.886 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062637.D

Acq: 7 Jun 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

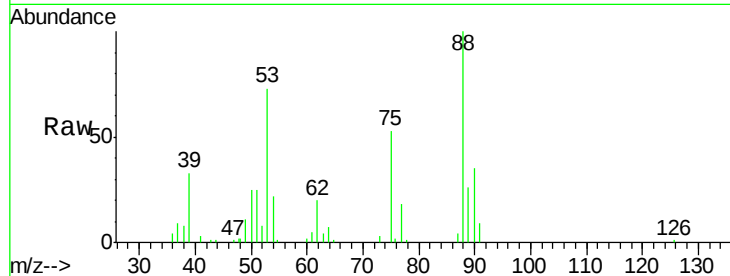
Tot Ion: 75 Resp: 28481

Ion Ratio Lower Upper

75 100

53 137.8 109.4 164.2

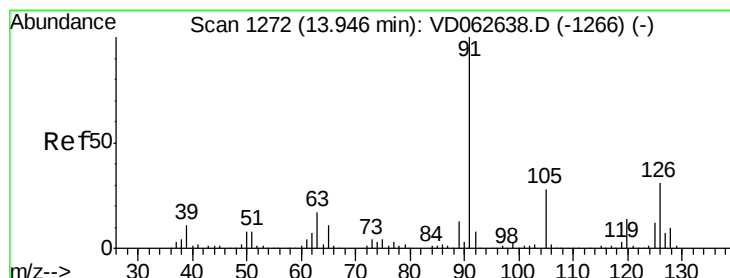
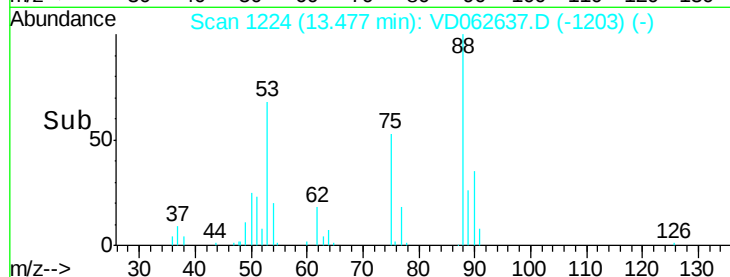
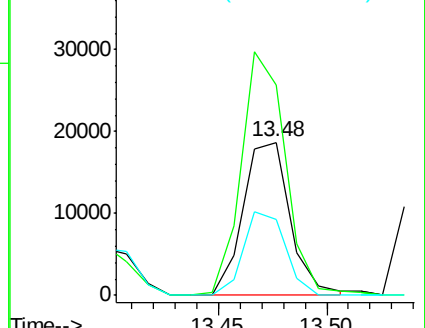
89 49.4 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.915 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062637.D

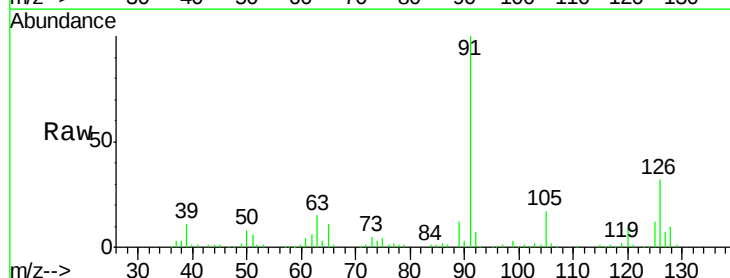
Acq: 7 Jun 2019 11:47

Tgt Ion: 91 Resp: 524359

Ion Ratio Lower Upper

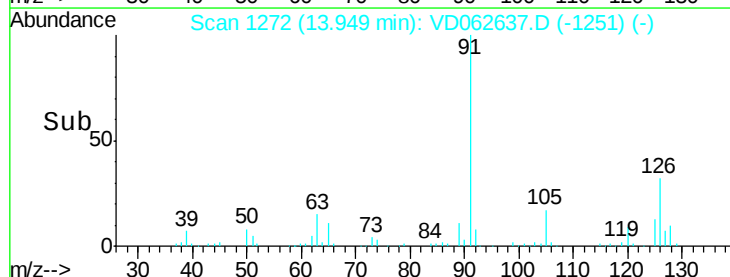
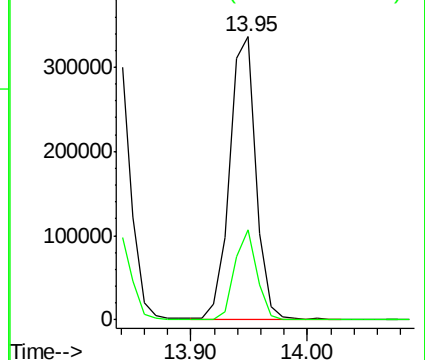
91 100

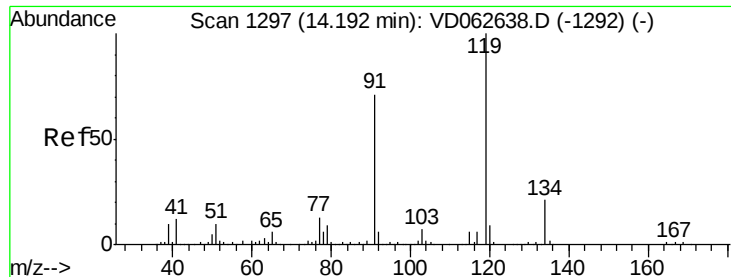
126 32.0 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

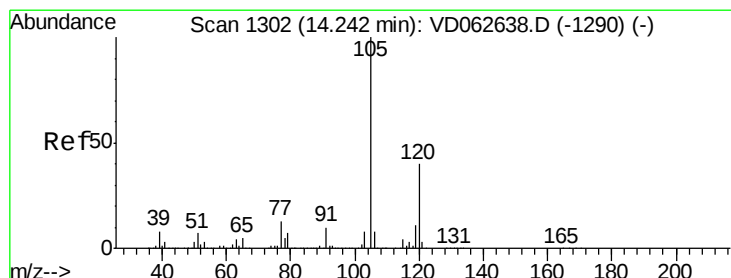
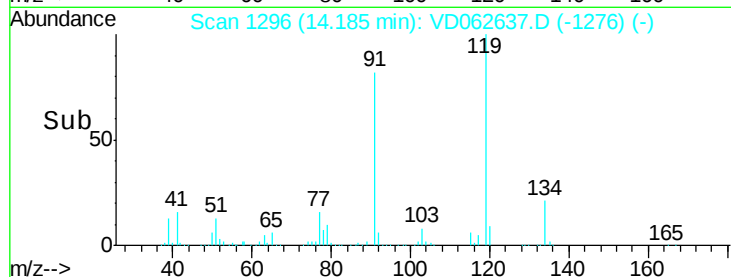
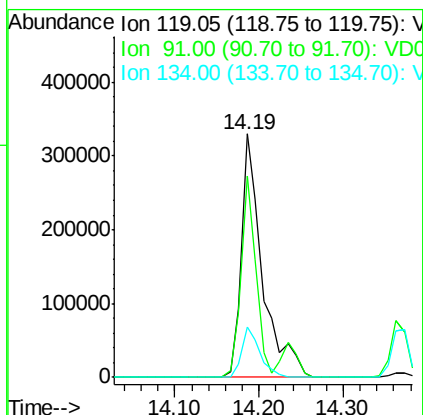
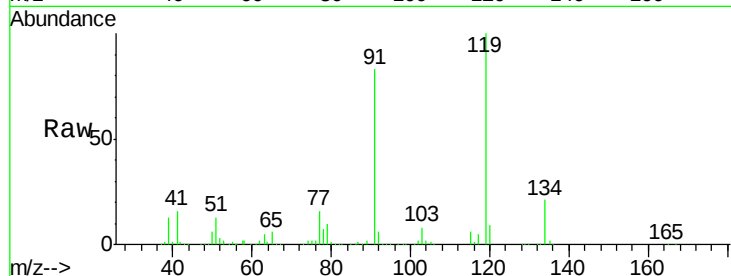




#83
tert-Butylbenzene
Concen: 18.104 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

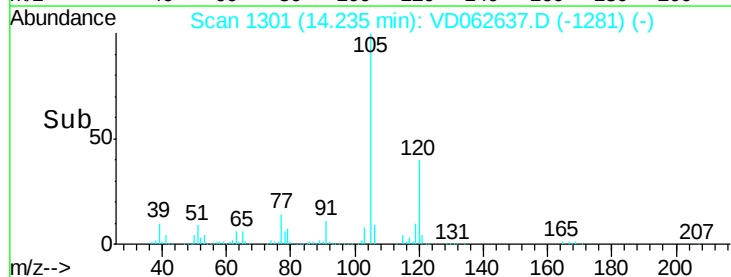
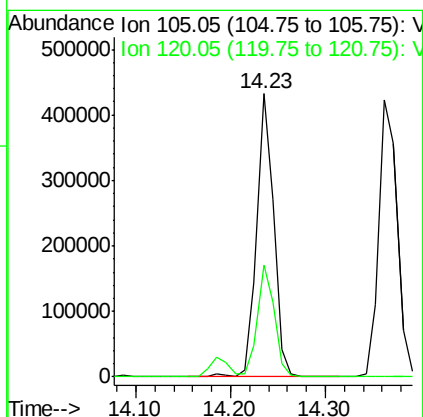
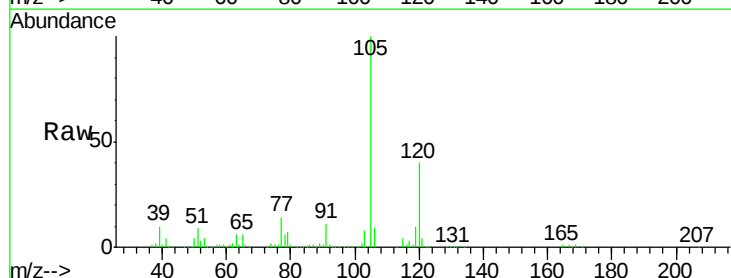
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

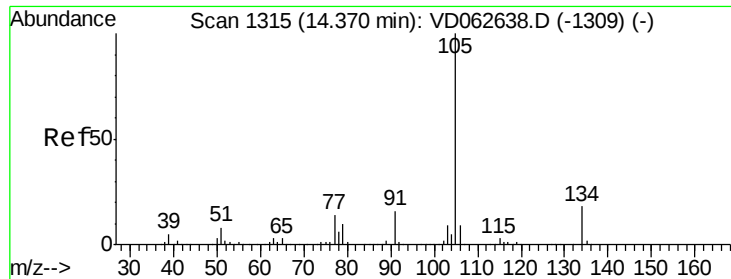
Tot Ion:119 Resp: 575138
Ion Ratio Lower Upper
119 100
91 82.5 35.4 106.1
134 20.5 10.8 32.3



#84
1,2,4-Trimethylbenzene
Concen: 18.875 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion:105 Resp: 539957
Ion Ratio Lower Upper
105 100
120 39.5 20.3 60.8

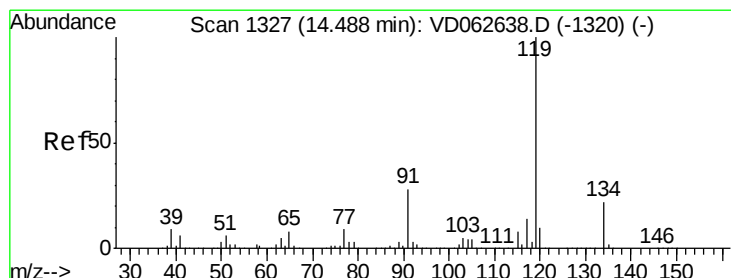
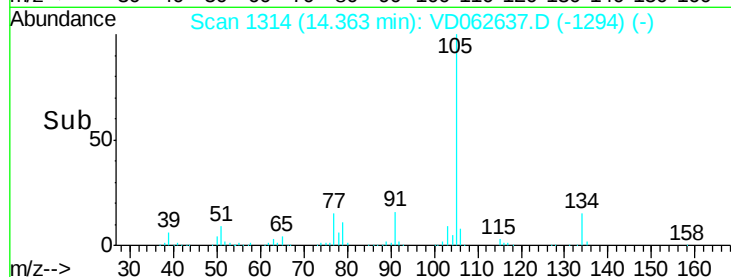
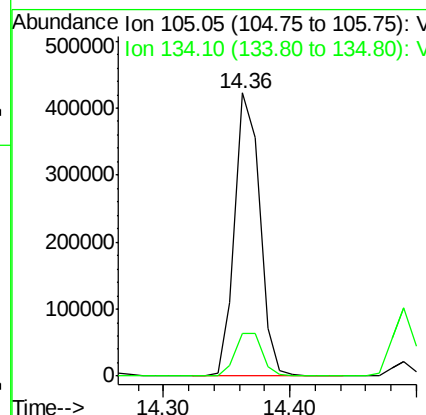
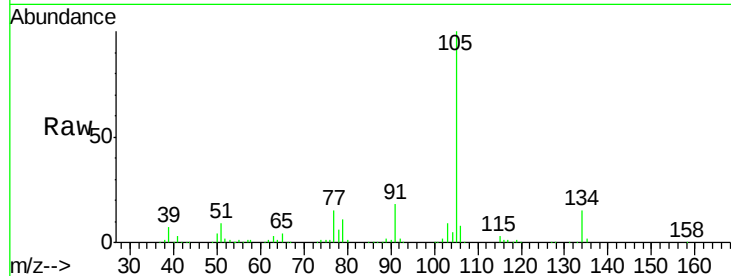




#85
 sec-Butylbenzene
 Concen: 17.516 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

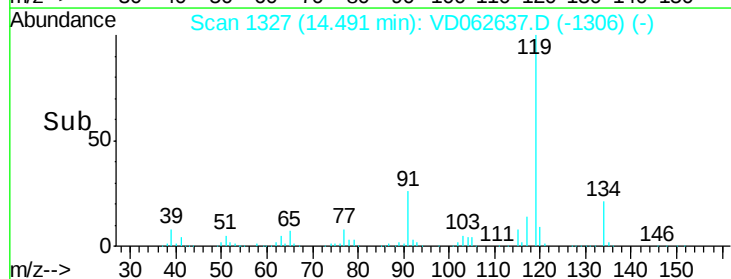
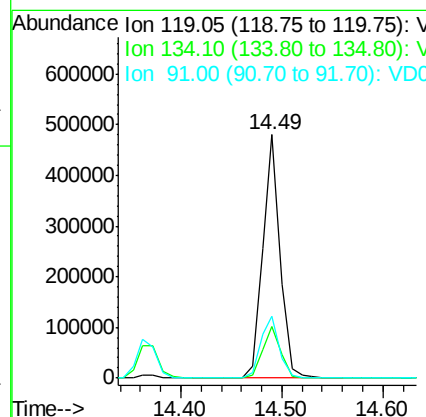
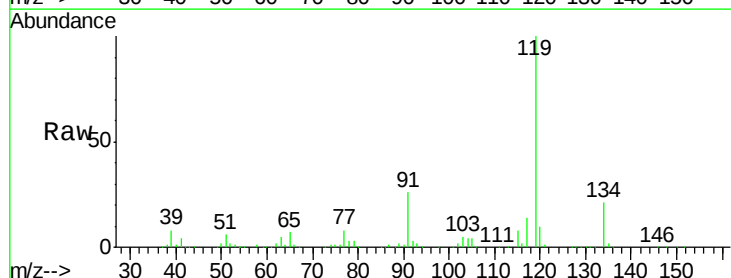
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

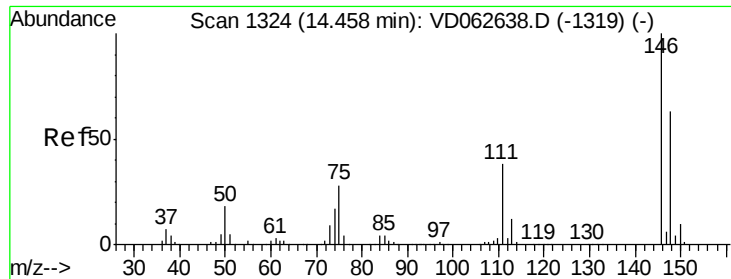
Tot Ion:105 Resp: 578696
 Ion Ratio Lower Upper
 105 100
 134 14.9 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 18.045 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion:119 Resp: 578375
 Ion Ratio Lower Upper
 119 100
 134 21.4 10.9 32.6
 91 25.6 13.9 41.6

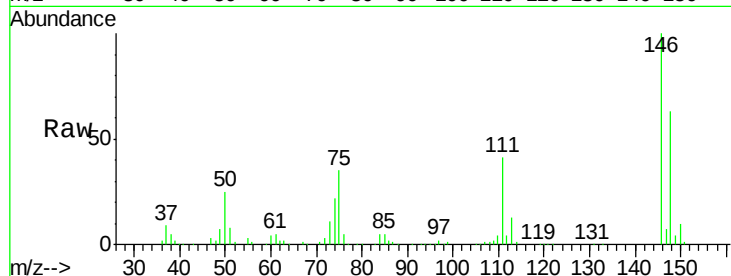




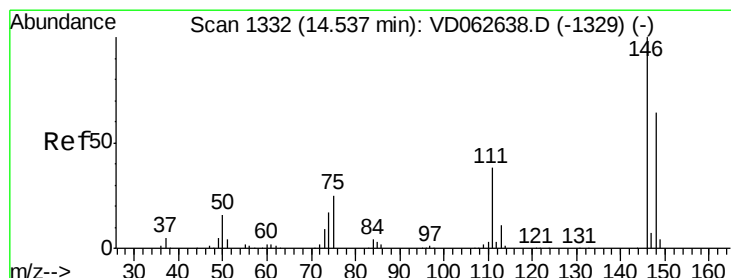
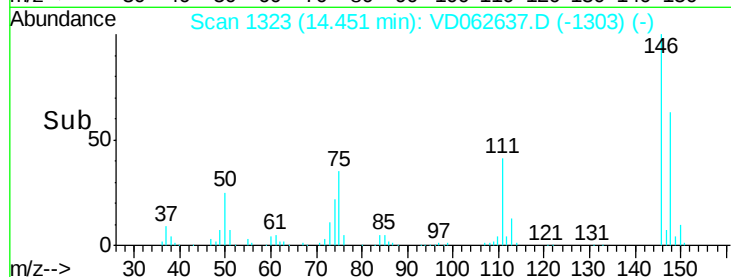
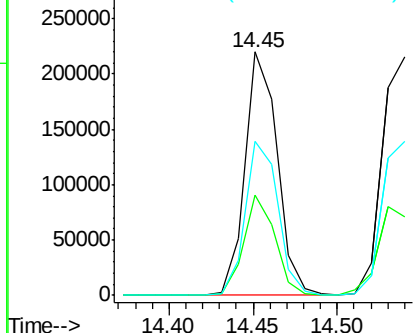
#87
 1,3-Dichlorobenzene
 Concen: 17.272 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 293265
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.2 57.6
 148 63.1 31.6 95.0

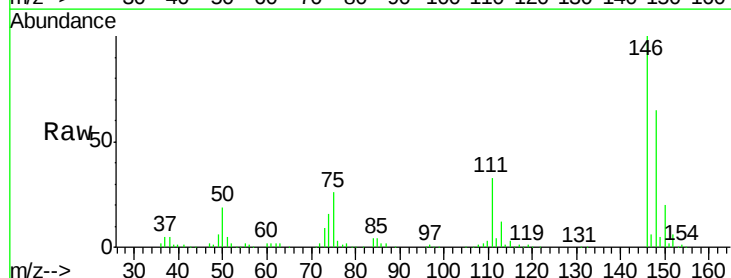


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

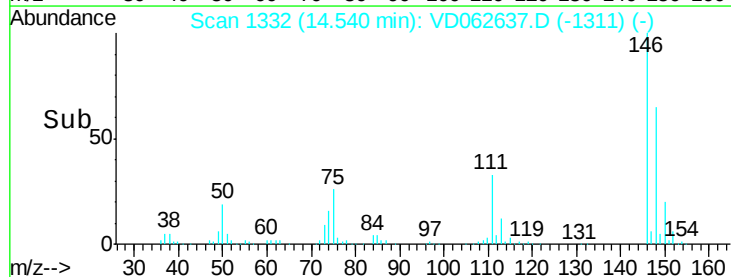
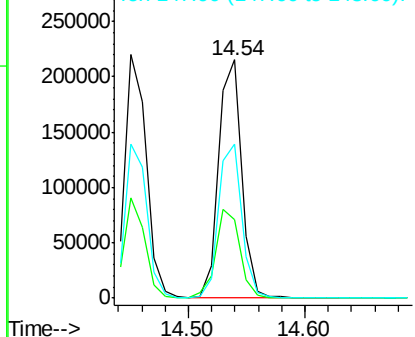


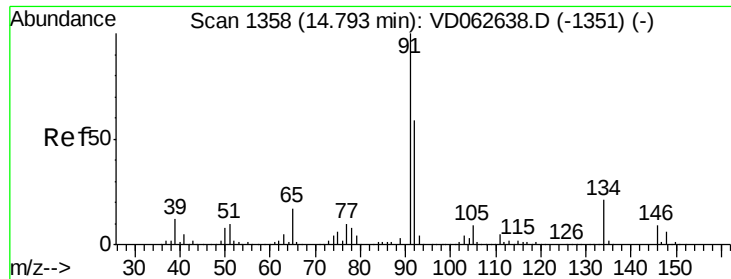
#88
 1,4-Dichlorobenzene
 Concen: 18.548 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion:146 Resp: 295816
 Ion Ratio Lower Upper
 146 100
 111 33.2 18.9 56.7
 148 64.8 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

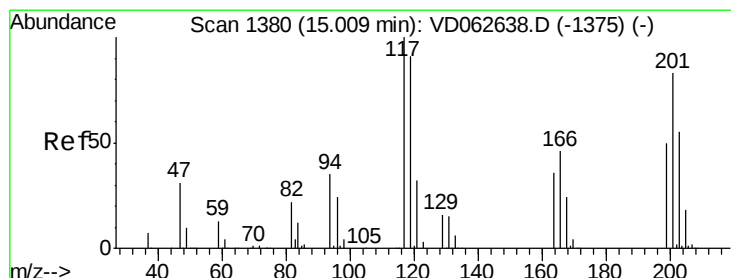
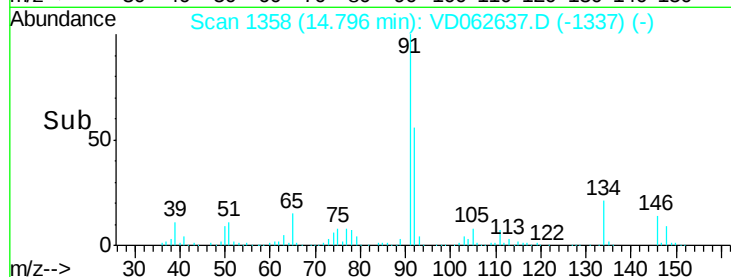
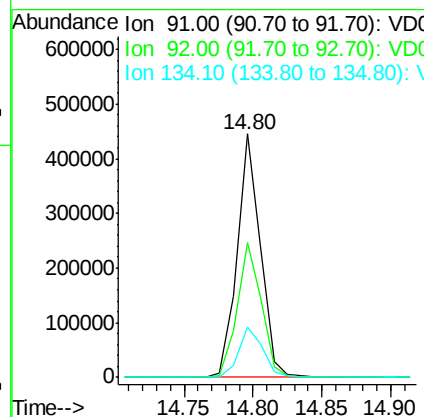
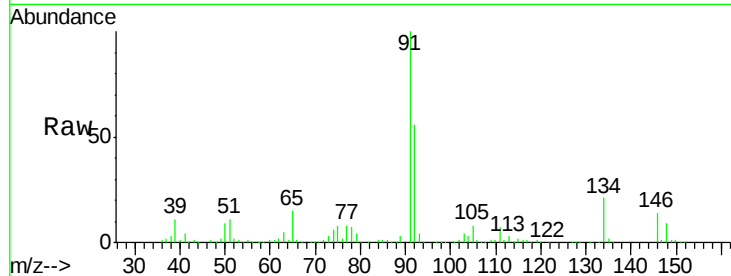




#89
n-Butylbenzene
Concen: 17.861 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

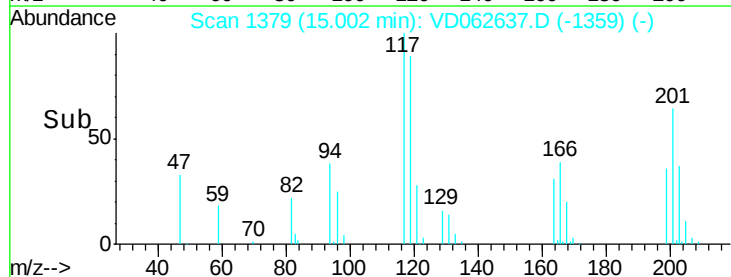
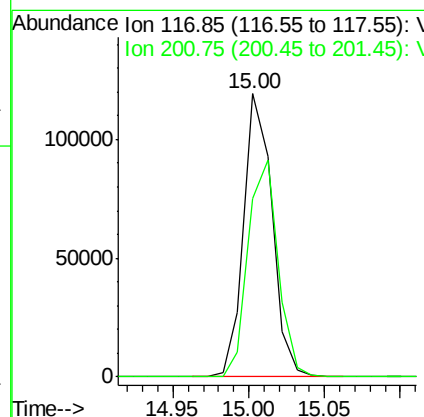
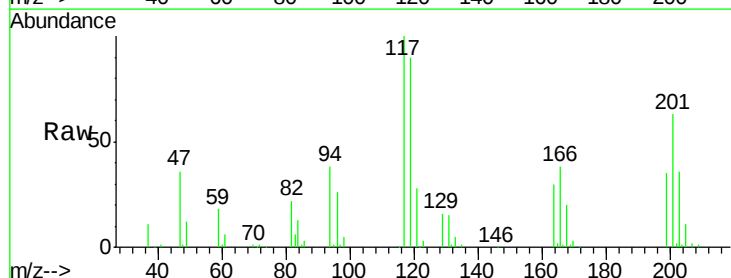
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

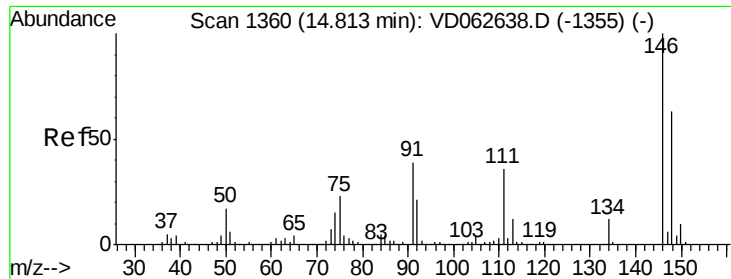
Tot Ion: 91 Resp: 521615
Ion Ratio Lower Upper
91 100
92 55.6 29.4 88.3
134 20.8 10.4 31.2



#90
Hexachloroethane
Concen: 18.467 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion: 117 Resp: 155908
Ion Ratio Lower Upper
117 100
201 62.8 41.5 124.6

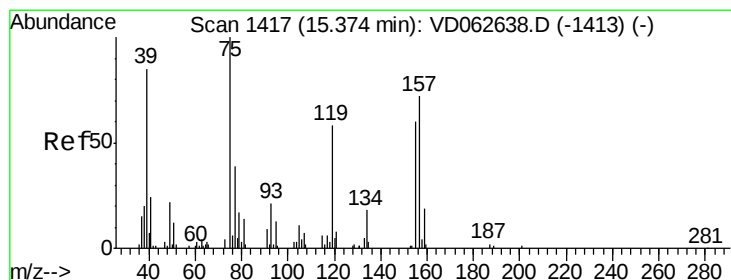
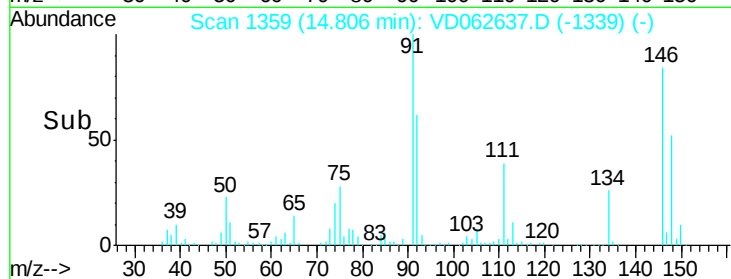
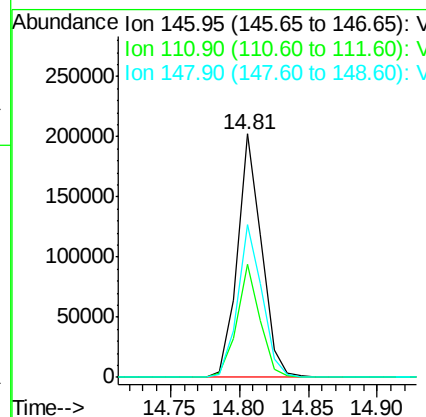
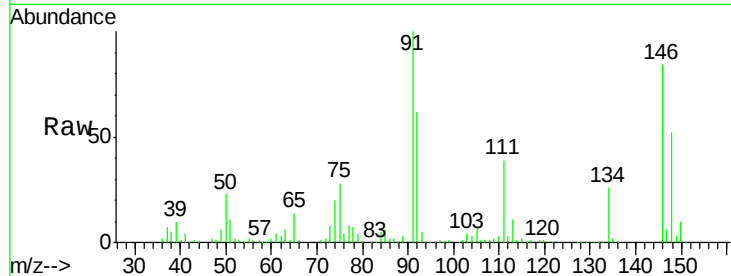




#91
 1,2-Dichlorobenzene
 Concen: 17.738 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

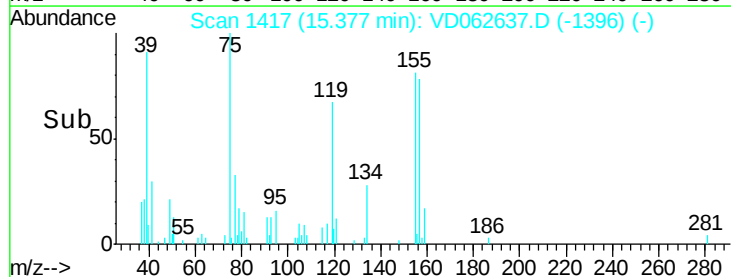
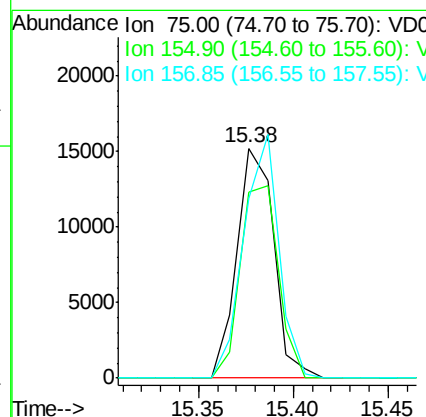
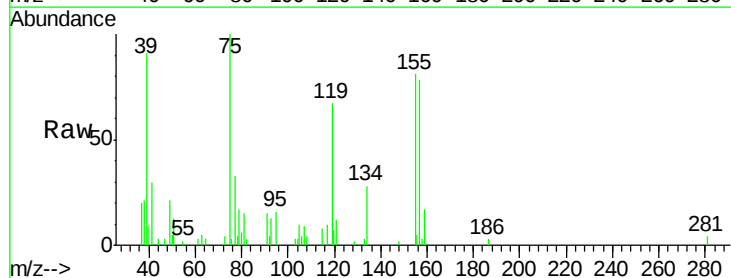
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

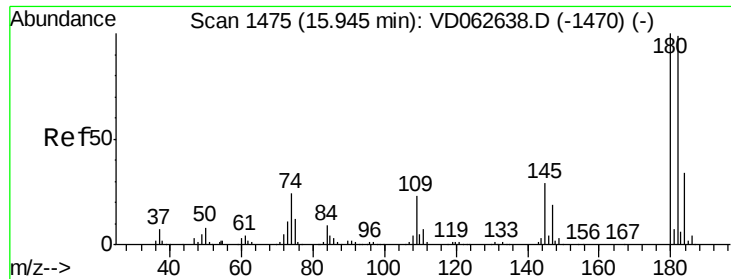
Tot Ion:146 Resp: 247530
 Ion Ratio Lower Upper
 146 100
 111 46.6 18.1 54.3
 148 62.5 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.780 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion: 75 Resp: 20455
 Ion Ratio Lower Upper
 75 100
 155 81.0 30.1 90.5
 157 78.2 35.9 107.8

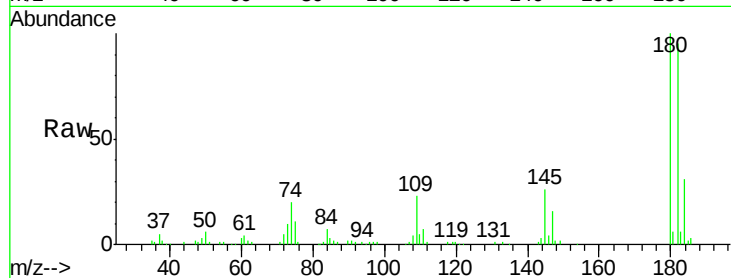




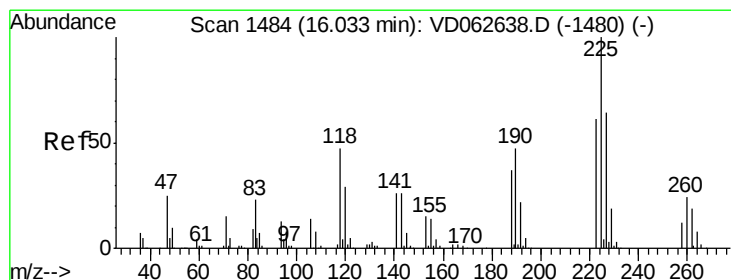
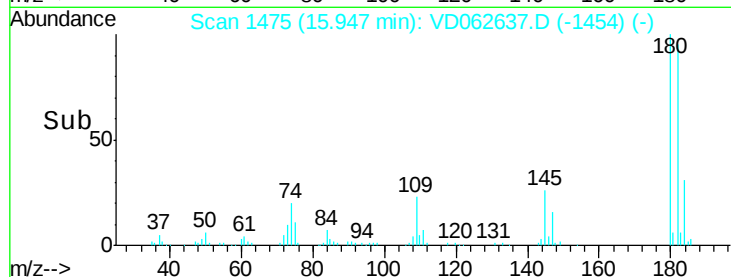
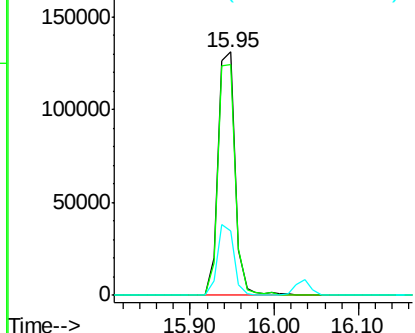
#93
 1,2,4-Trichlorobenzene
 Concen: 17.450 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 184745
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.4 148.2
 145 26.3 14.5 43.6

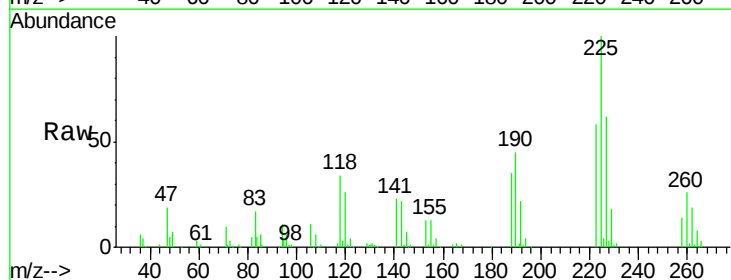


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

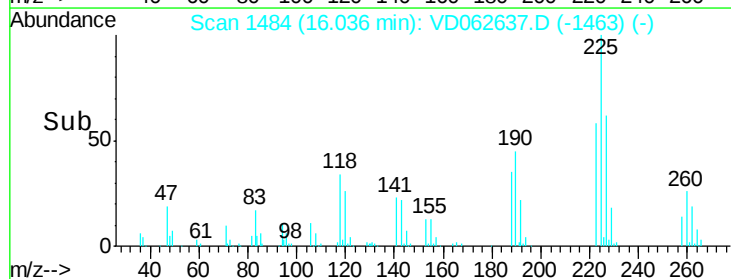
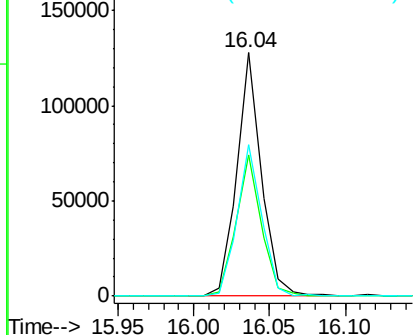


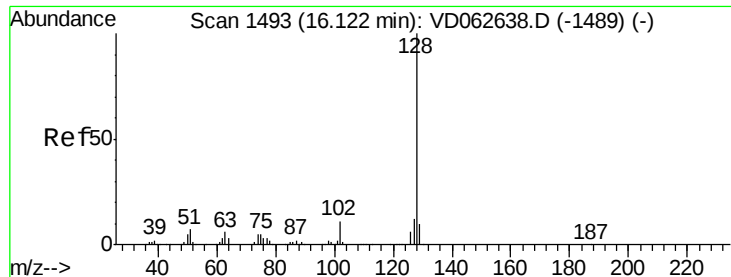
#94
 Hexachlorobutadiene
 Concen: 17.226 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062637.D
 Acq: 7 Jun 2019 11:47

Tgt Ion:225 Resp: 144001
 Ion Ratio Lower Upper
 225 100
 223 58.2 30.3 91.0
 227 62.4 31.8 95.4



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

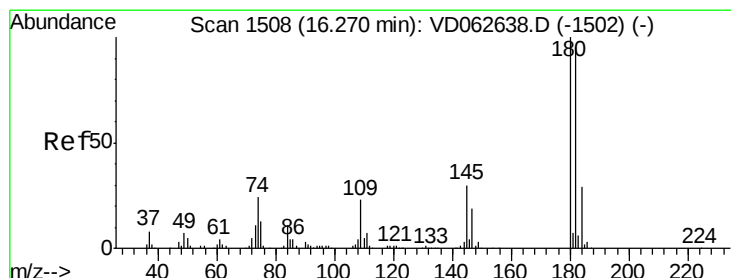
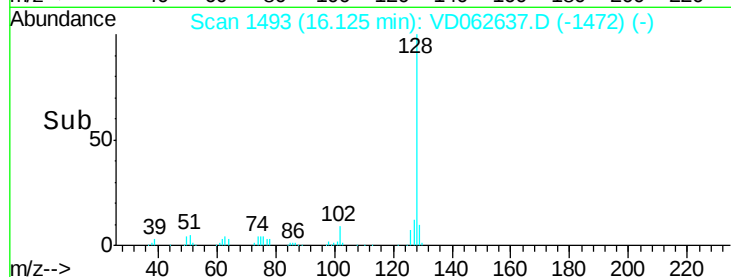
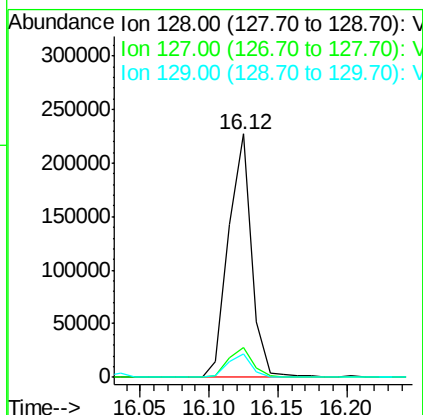
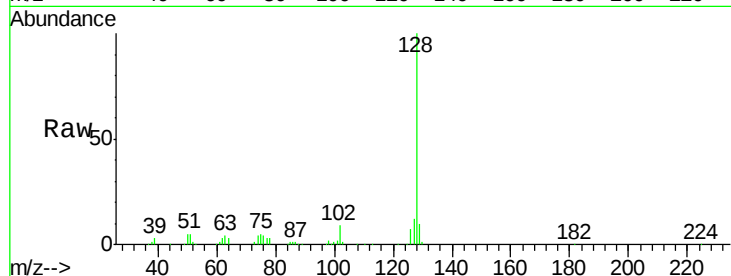




#95
Naphthalene
Concen: 17.994 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 264654
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 9.5 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 18.170 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062637.D
Acq: 7 Jun 2019 11:47

Tgt Ion:180 Resp: 145739
Ion Ratio Lower Upper
180 100
182 103.4 47.7 143.1
145 29.0 15.0 45.0

