

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062636.D
 Acq On : 7 Jun 2019 11:20
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 07 23:30:15 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	7.05	168	716751	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	972434	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	780949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	455428	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	99173	9.51	ug/l	0.00
Spiked Amount			Recovery	=	19.02%	
35) Dibromofluoromethane	6.92	113	92094	8.98	ug/l	0.00
Spiked Amount			Recovery	=	17.96%	
50) Toluene-d8	10.41	98	191116	8.75	ug/l	0.00
Spiked Amount			Recovery	=	17.50%	
62) 4-Bromofluorobenzene	13.56	95	87827	8.48	ug/l	0.00
Spiked Amount			Recovery	=	16.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	92359	10.012	ug/l	93
3) Chloromethane	1.76	50	75385	10.434	ug/l	98
4) Vinyl Chloride	1.85	62	69366	9.503	ug/l	99
5) Bromomethane	2.16	94	41929	11.451	ug/l	98
6) Chloroethane	2.28	64	34536	9.157	ug/l #	89
7) Trichlorofluoromethane	2.53	101	165547	9.979	ug/l	96
8) Diethyl Ether	2.88	74	22568	9.975	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	81135	8.819	ug/l	91
10) Methyl Iodide	3.30	142	101224	8.630	ug/l	94
11) Tert butyl alcohol	4.07	59	19583	43.264	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	56679	8.841	ug/l #	95
13) Acrolein	3.04	56	6687	53.455	ug/l #	79
14) Allyl chloride	3.62	41	87764	8.905	ug/l	98
15) Acrylonitrile	4.20	53	44193	45.097	ug/l #	88
16) Acetone	3.22	43	80386	41.482	ug/l	94
17) Carbon Disulfide	3.37	76	168344	8.788	ug/l #	92
18) Methyl Acetate	3.65	43	31107	9.864	ug/l #	87
19) Methyl tert-butyl Ether	4.25	73	138740	8.776	ug/l	97
20) Methylene Chloride	3.81	84	74575	10.319	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	66237	9.224	ug/l	91
22) Diisopropyl ether	5.12	45	178606	8.854	ug/l #	98
23) Vinyl Acetate	5.06	43	541653	42.553	ug/l	97
24) 1,1-Dichloroethane	4.98	63	120008	9.010	ug/l	100
25) 2-Butanone	6.08	43	81106	42.940	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	148227	9.619	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	68372	8.948	ug/l	93
28) Bromochloromethane	6.44	49	47060	9.867	ug/l	95
29) Tetrahydrofuran	6.46	42	37388	43.987	ug/l	97
30) Chloroform	6.67	83	158818	9.263	ug/l	93
31) Cyclohexane	6.95	56	72585	8.891	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	153013	8.824	ug/l	97
36) 1,1-Dichloropropene	7.15	75	103331	8.922	ug/l	99
37) Ethyl Acetate	6.19	43	44820	8.877	ug/l #	74
38) Carbon Tetrachloride	7.11	117	166396	9.102	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.86	83	79285	8.602	ug/l #	94
40) Benzene	7.46	78	199225	9.030	ug/l	91
41) Methacrylonitrile	6.45	41	54913	9.075	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	120816	9.131	ug/l	95
43) Isopropyl Acetate	9.25	43	50193	8.466	ug/l #	97
44) Trichloroethene	8.54	130	76758	8.429	ug/l	97
45) 1,2-Dichloropropane	8.94	63	48615	9.083	ug/l	92
46) Dibromomethane	9.06	93	40632	8.477	ug/l #	73
47) Bromodichloromethane	9.37	83	115763	8.896	ug/l #	85
48) Methyl methacrylate	9.12	41	41567	9.418	ug/l	98
49) 1,4-Dioxane	9.07	88	5500	157.750	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	185322	44.022	ug/l	97
52) Toluene	10.51	92	128823	8.533	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	92532	8.638	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	97759	8.820	ug/l	87
55) 1,1,2-Trichloroethane	11.19	97	45189	8.959	ug/l	96
56) Ethyl methacrylate	11.04	69	46524	8.438	ug/l	96
57) 1,3-Dichloropropane	11.40	76	70136	8.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	127134	45.879	ug/l	98
59) 2-Hexanone	11.53	43	128052	40.411	ug/l	98
60) Dibromochloromethane	11.69	129	88576	8.841	ug/l	97
61) 1,2-Dibromoethane	11.81	107	54052	8.836	ug/l	97
64) Tetrachloroethene	11.26	164	68054	9.179	ug/l	91
65) Chlorobenzene	12.40	112	166314	9.506	ug/l	92
66) 1,1,1,2-Tetrachloroethane	12.52	131	82488	9.840	ug/l	95
67) Ethyl Benzene	12.53	91	311974	10.030	ug/l	98
68) m/p-Xylenes	12.66	106	218009	19.977	ug/l	96
69) o-Xylene	13.05	106	91413	8.924	ug/l	95
70) Styrene	13.07	104	160688	8.798	ug/l	97
71) Bromoform	13.23	173	51911	8.909	ug/l	97
73) Isopropylbenzene	13.40	105	297666	8.976	ug/l	100
74) N-amyl acetate	13.26	43	74909	8.390	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	48061	8.566	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	52804	8.404	ug/l	95
77) Bromobenzene	13.67	156	86125	9.231	ug/l	79
78) n-propylbenzene	13.78	91	375376	9.351	ug/l	99
79) 2-Chlorotoluene	13.84	91	209691	8.953	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	254638	8.798	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	13504	8.343	ug/l	88
82) 4-Chlorotoluene	13.94	91	261068	9.265	ug/l	89
83) tert-Butylbenzene	14.19	119	284631	8.815	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	269782	9.278	ug/l	97
85) sec-Butylbenzene	14.37	105	301042	8.965	ug/l	94
86) p-Isopropyltoluene	14.49	119	289695	8.892	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	155985	9.038	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	147915	9.125	ug/l	98
89) n-Butylbenzene	14.80	91	262972	8.859	ug/l	96
90) Hexachloroethane	15.01	117	76171	8.876	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	129507	9.131	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10145	8.188	ug/l	85

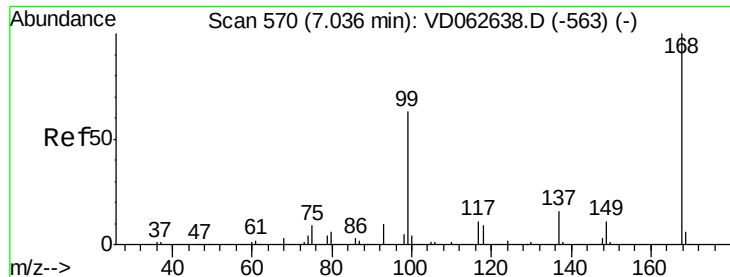
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	93898	8.726	ug/l	96
94) Hexachlorobutadiene	16.04	225	76175	8.965	ug/l	93
95) Naphthalene	16.12	128	122177	8.173	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	63840	7.831	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

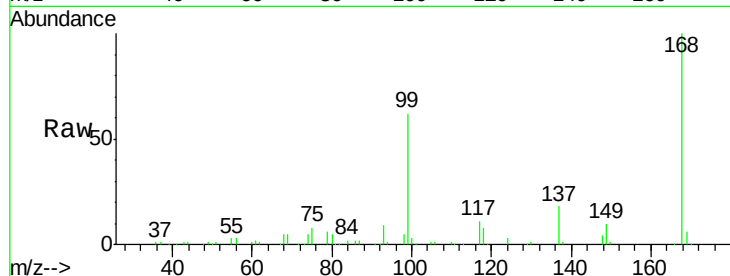
VSTDIC010

Tot Ion:168 Resp: 716751

Ion Ratio Lower Upper

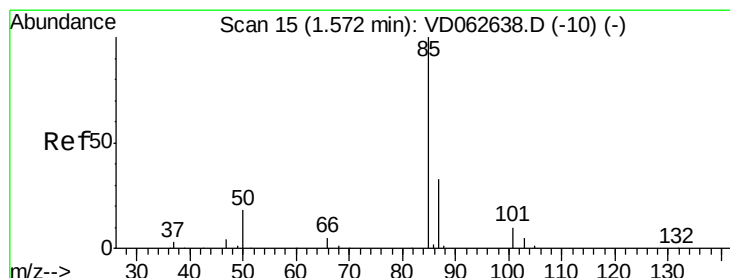
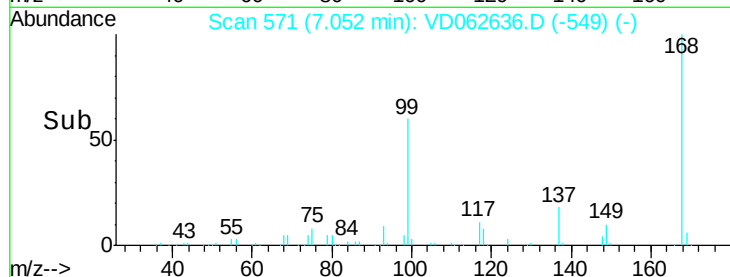
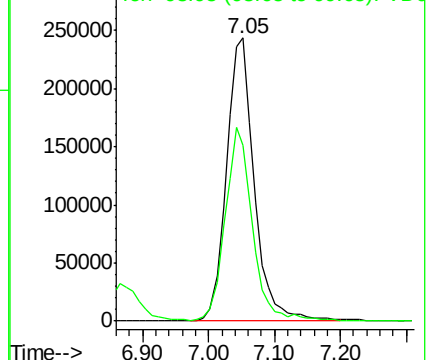
168 100

99 62.3 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: 10.012 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062636.D

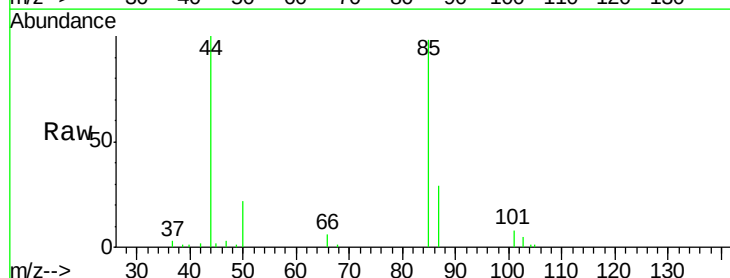
Acq: 7 Jun 2019 11:20

Tgt Ion: 85 Resp: 92359

Ion Ratio Lower Upper

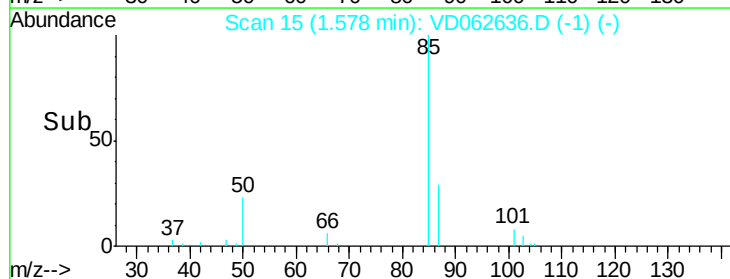
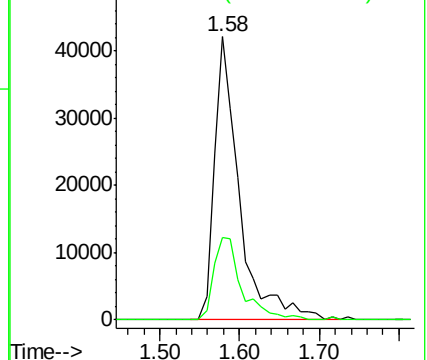
85 100

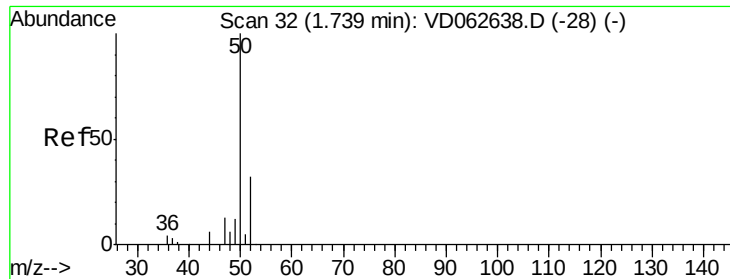
87 29.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.434 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

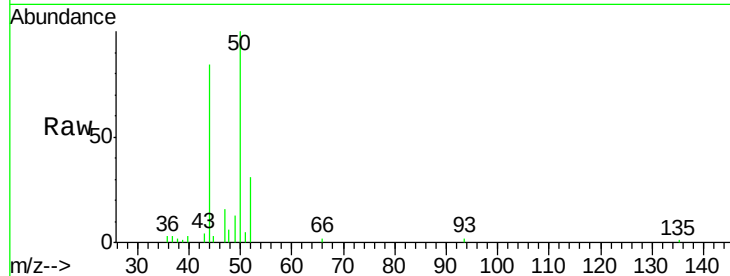
VSTDIC010

Tot Ion: 50 Resp: 75385

Ion Ratio Lower Upper

50 100

52 31.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

25000

20000

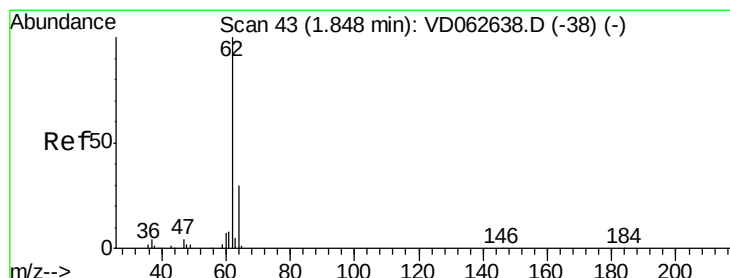
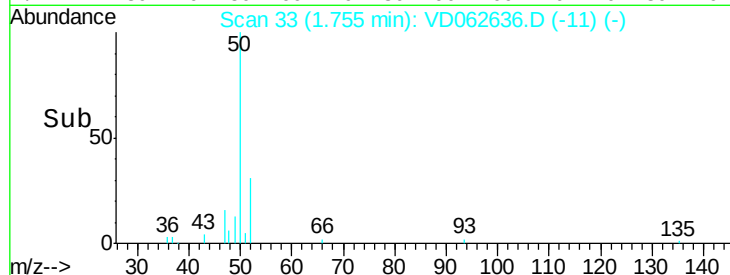
15000

10000

5000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 9.503 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062636.D

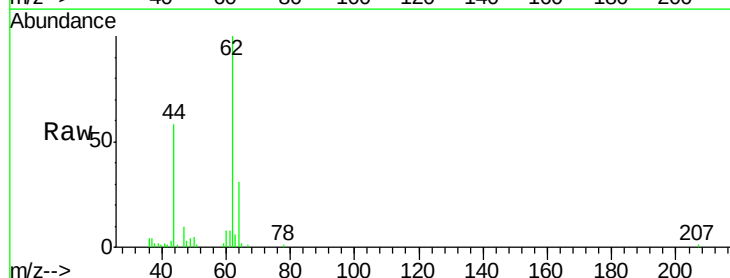
Acq: 7 Jun 2019 11:20

Tgt Ion: 62 Resp: 69366

Ion Ratio Lower Upper

62 100

64 31.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

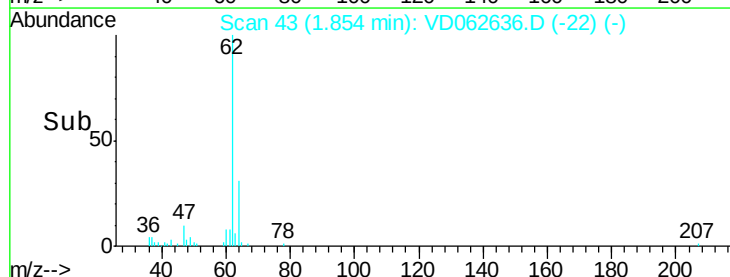
30000

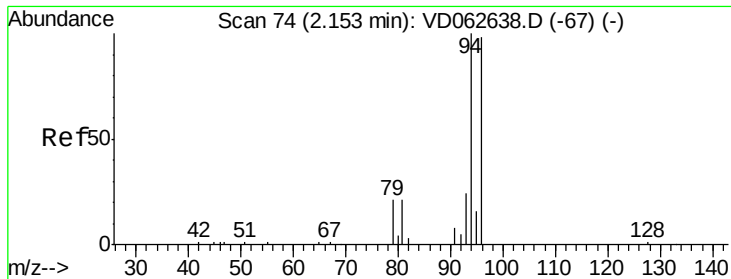
20000

10000

0

Time--> 1.80 1.90 2.00





#5

Bromomethane

Concen: 11.451 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

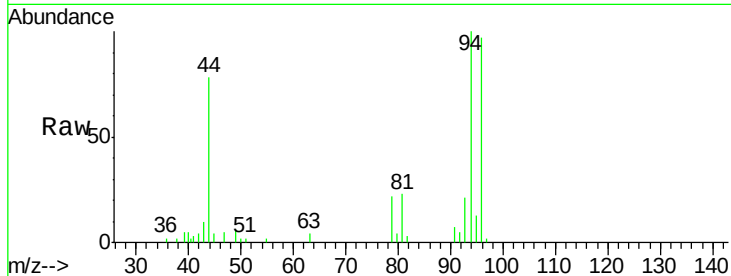
Tot Ion: 94 Resp: 41929

Ion Ratio Lower Upper

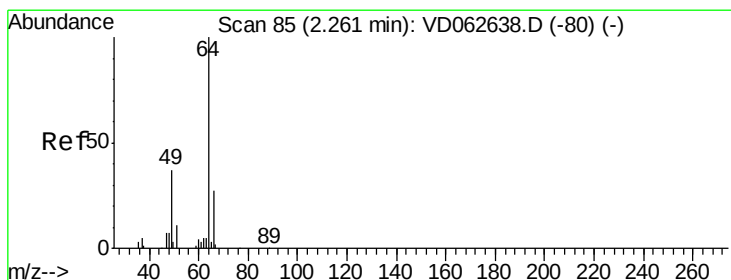
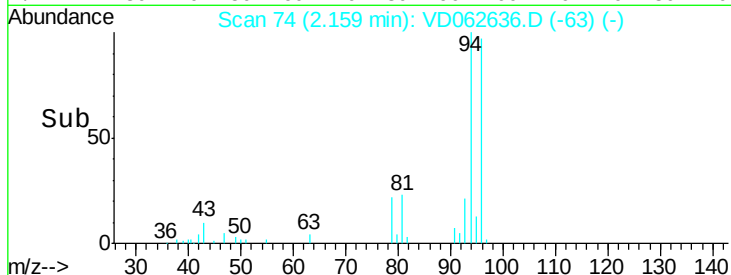
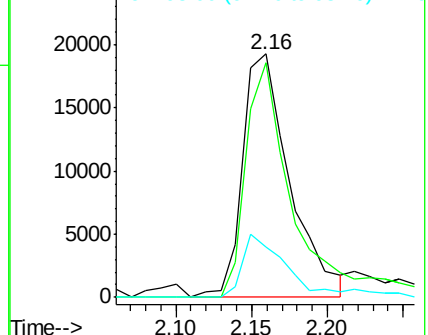
94 100

96 96.6 78.1 117.1

93 20.9 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: 9.157 ug/l

RT: 2.28 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062636.D

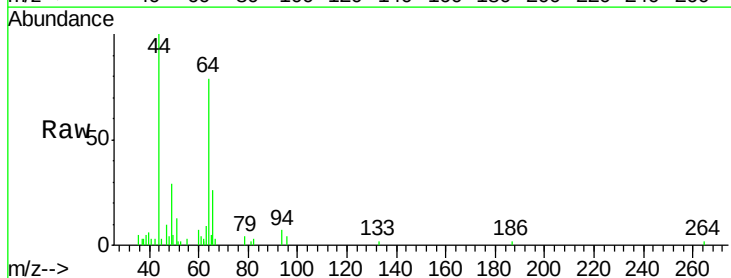
Acq: 7 Jun 2019 11:20

Tgt Ion: 64 Resp: 34536

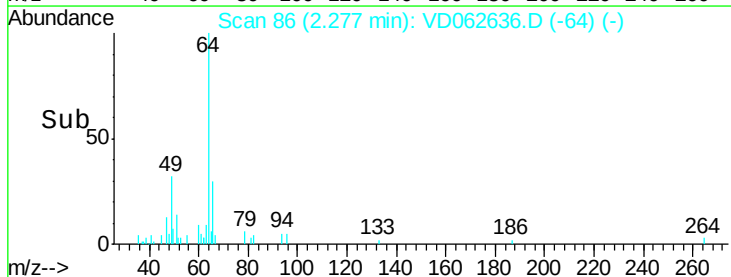
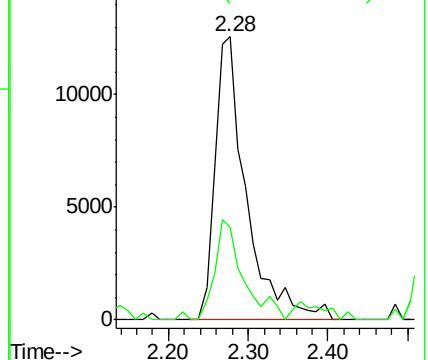
Ion Ratio Lower Upper

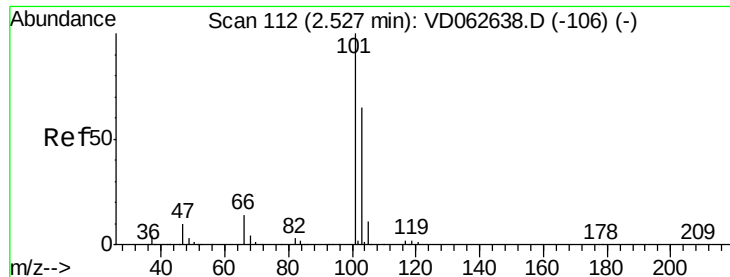
64 100

66 32.9 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



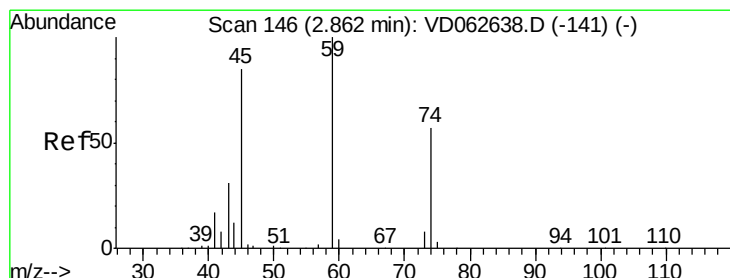
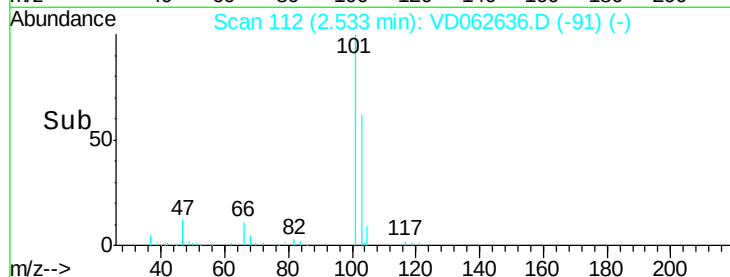
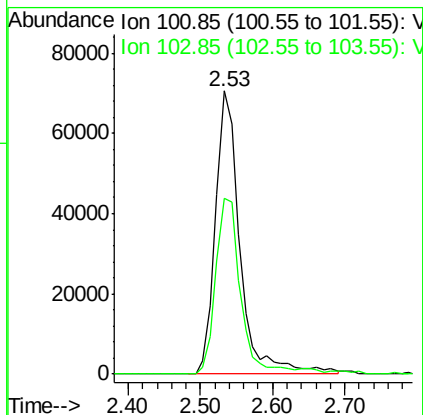
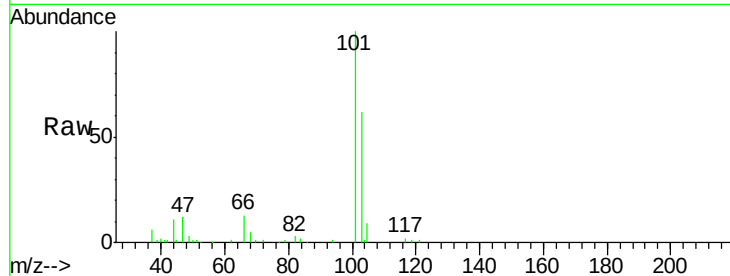


#7

Trichlorofluoromethane
Concen: 9.979 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
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ClientSampleId :
VSTDIC010

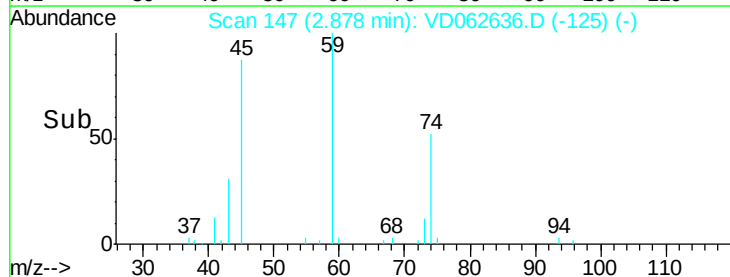
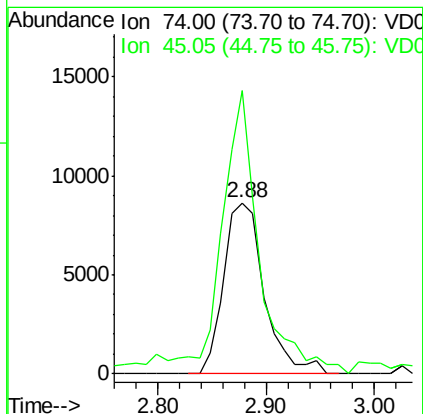
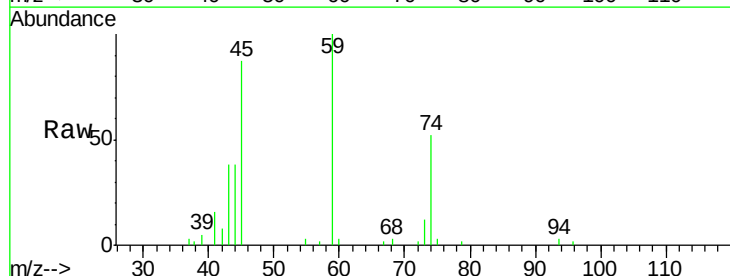
Tot Ion:101 Resp: 165547
Ion Ratio Lower Upper
101 100
103 62.3 52.2 78.2

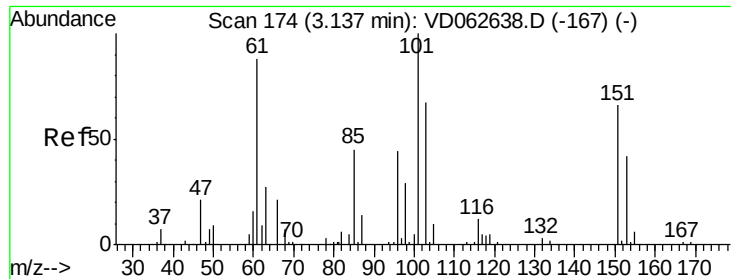


#8

Diethyl Ether
Concen: 9.975 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.02 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 74 Resp: 22568
Ion Ratio Lower Upper
74 100
45 165.3 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.819 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.02 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

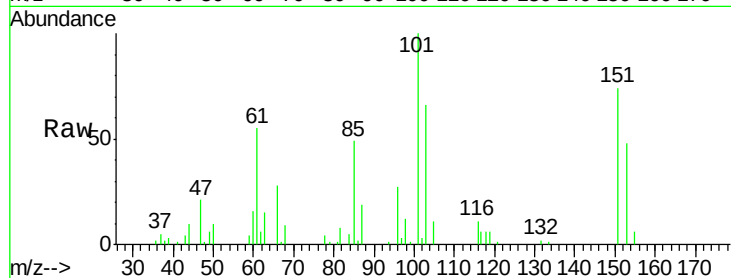
Tot Ion:101 Resp: 81135

Ion Ratio Lower Upper

101 100

85 49.1 36.0 54.0

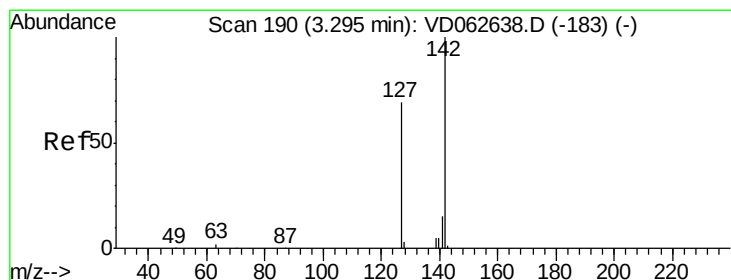
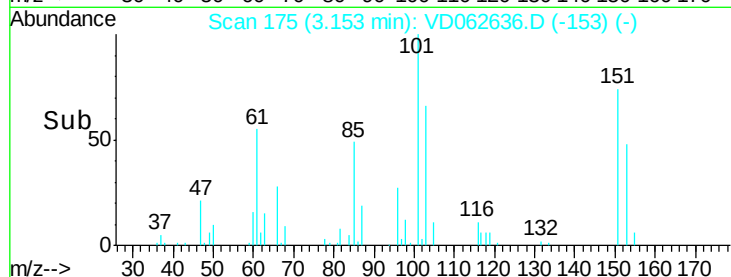
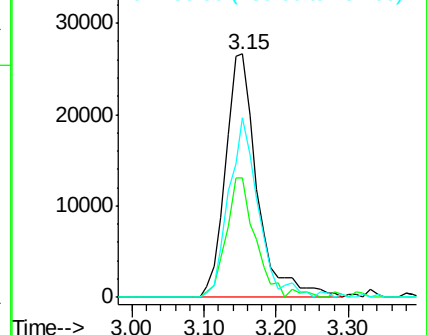
151 73.9 52.6 79.0



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: 8.630 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

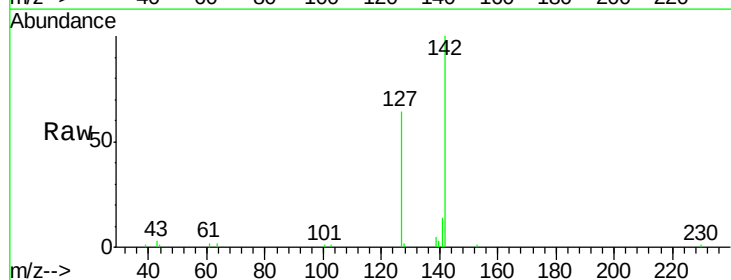
Tgt Ion:142 Resp: 101224

Ion Ratio Lower Upper

142 100

127 63.7 55.2 82.8

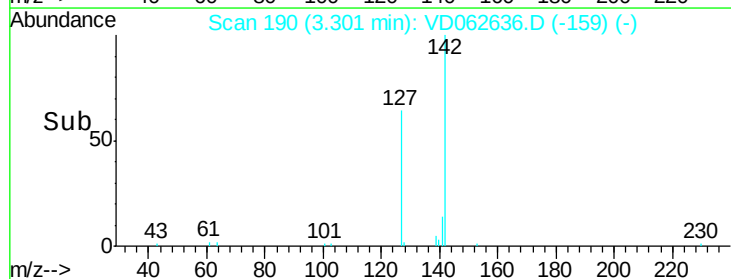
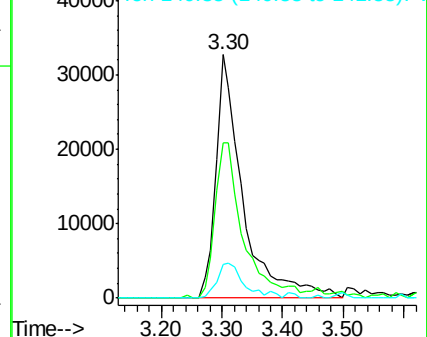
141 13.6 12.1 18.1

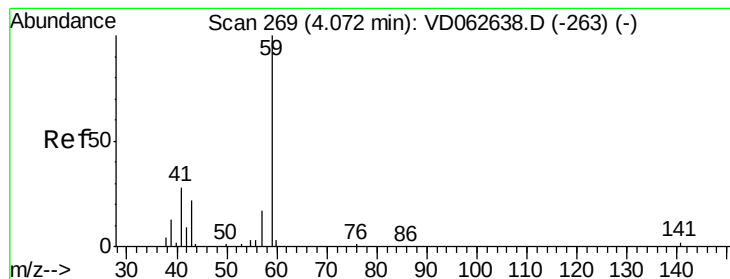


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



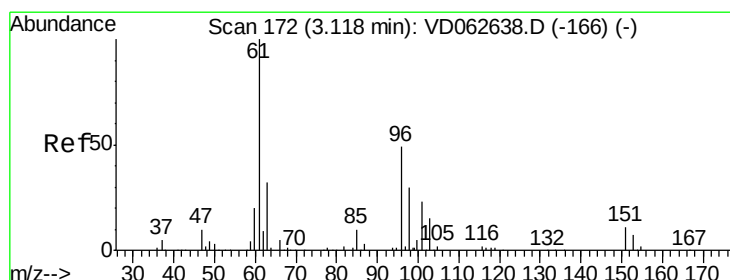
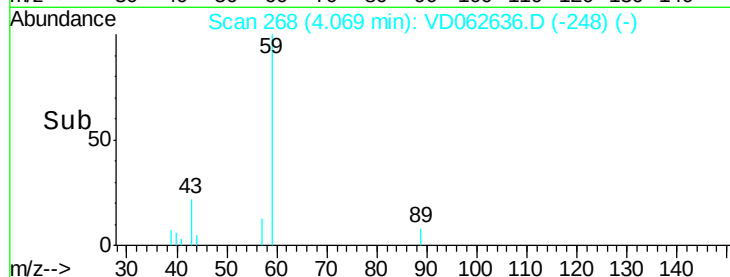
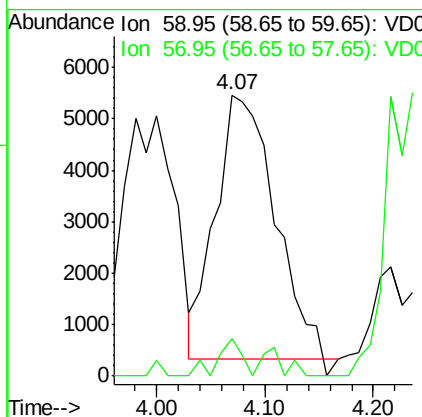
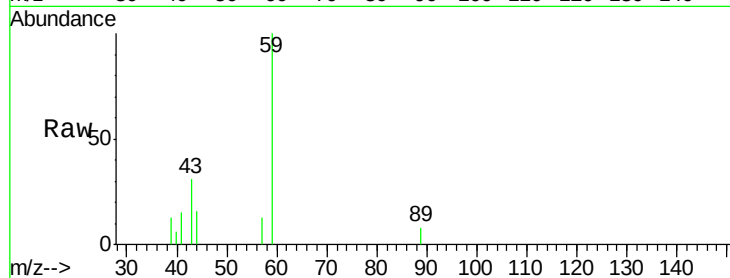


#11

Tert butyl alcohol
Concen: 43.264 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

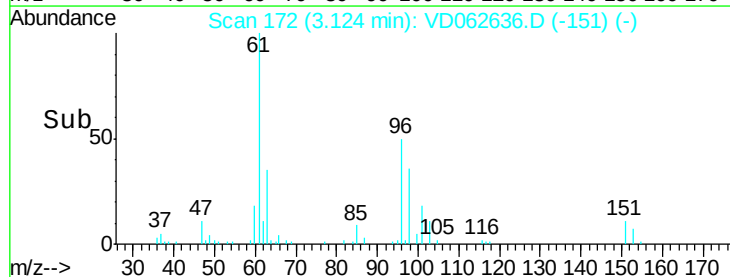
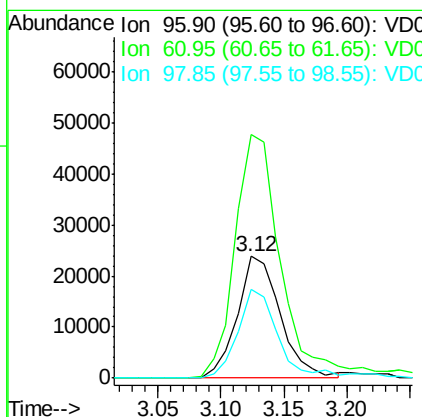
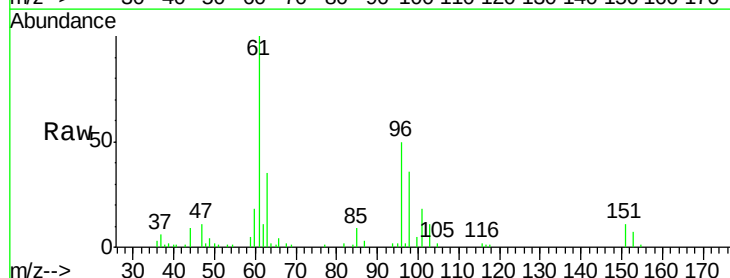
Tot Ion: 59 Resp: 19583
Ion Ratio Lower Upper
59 100
57 13.2 13.7 20.5#

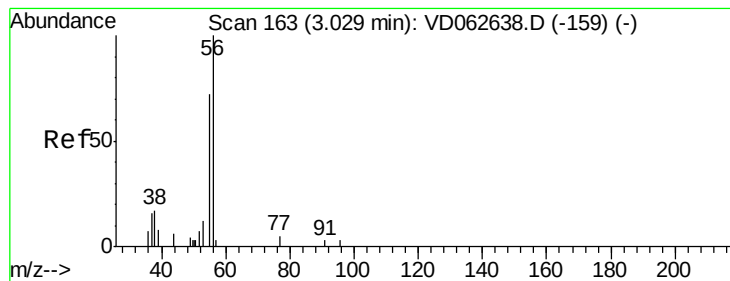


#12

1,1-Dichloroethene
Concen: 8.841 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 96 Resp: 56679
Ion Ratio Lower Upper
96 100
61 200.2 161.8 242.8
98 72.6 48.2 72.4#





#13

Acrolein

Concen: 53.455 ug/l

RT: 3.04 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

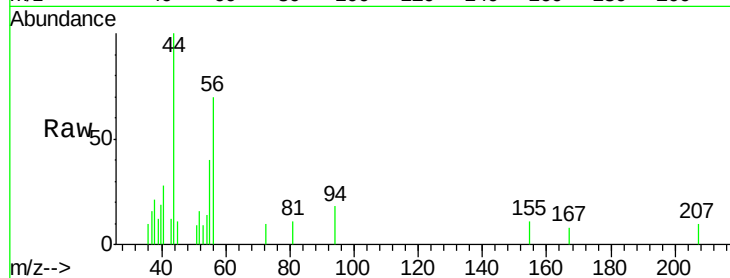
VSTDIC010

Tot Ion: 56 Resp: 6687

Ion Ratio Lower Upper

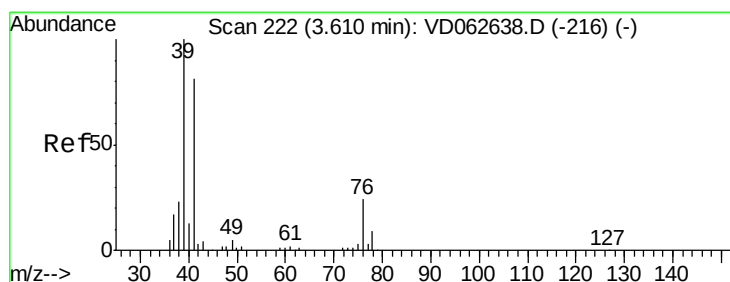
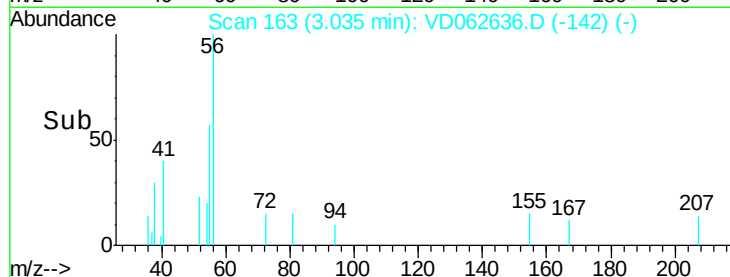
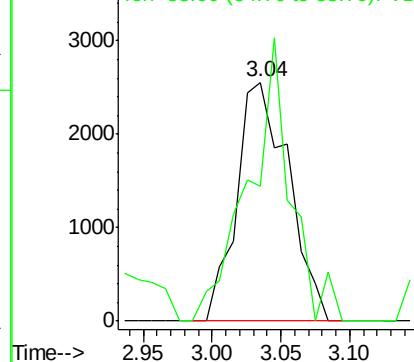
56 100

55 56.6 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 8.905 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

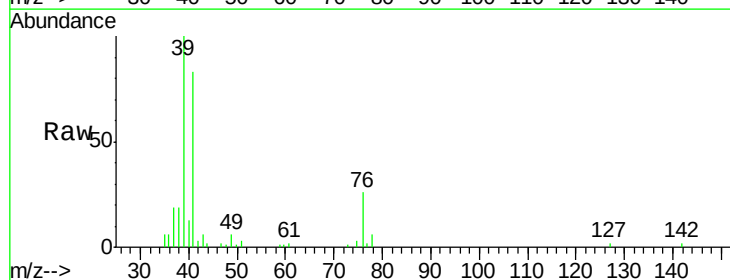
Tgt Ion: 41 Resp: 87764

Ion Ratio Lower Upper

41 100

39 120.8 99.1 148.7

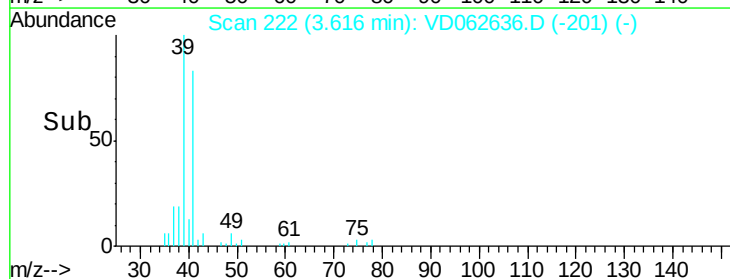
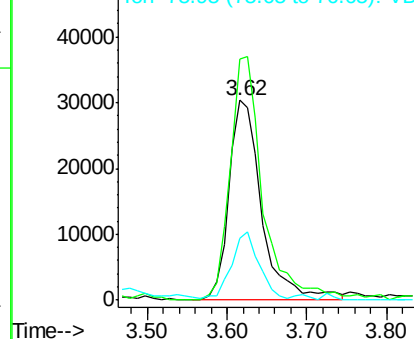
76 31.2 25.0 37.6

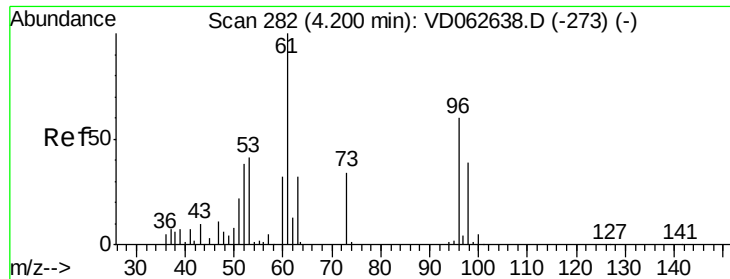


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 45.097 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

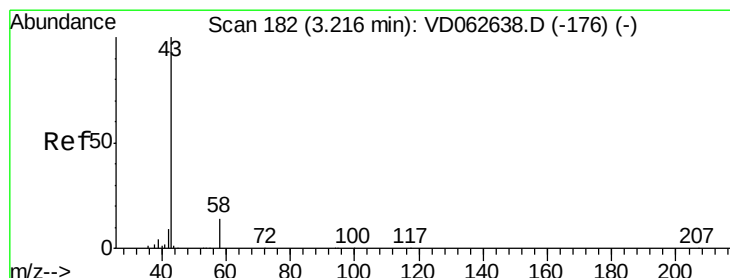
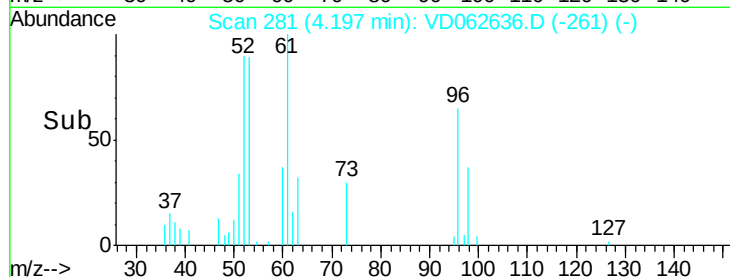
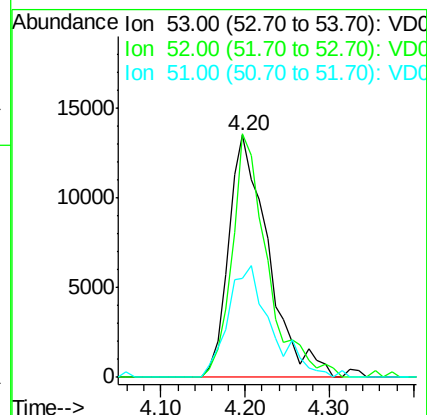
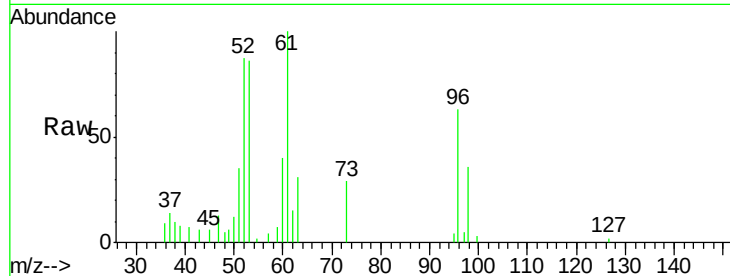
Tot Ion: 53 Resp: 44193

Ion Ratio Lower Upper

53 100

52 100.7 73.6 110.4

51 41.1 42.0 63.0#



#16

Acetone

Concen: 41.482 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062636.D

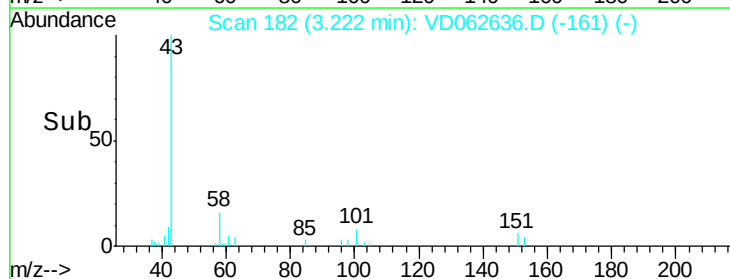
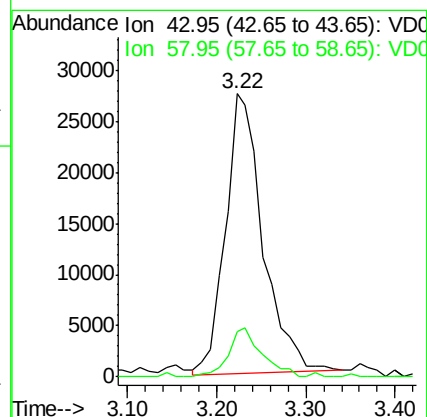
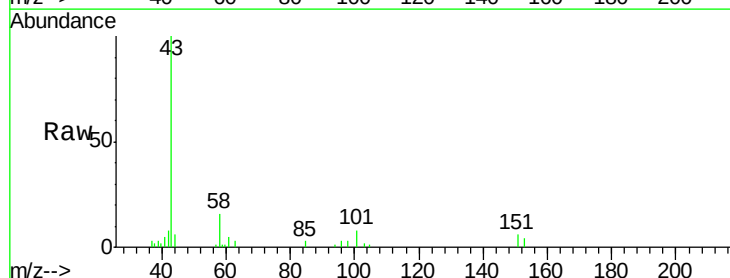
Acq: 7 Jun 2019 11:20

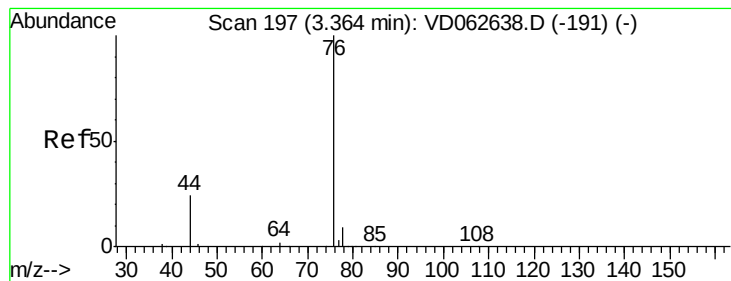
Tgt Ion: 43 Resp: 80386

Ion Ratio Lower Upper

43 100

58 15.8 10.8 16.2





#17

Carbon Disulfide

Concen: 8.788 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

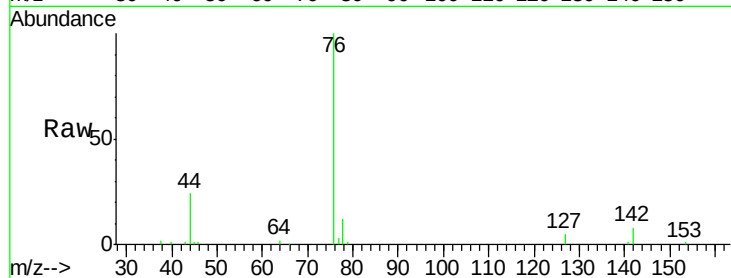
VSTDIC010

Tot Ion: 76 Resp: 168344

Ion Ratio Lower Upper

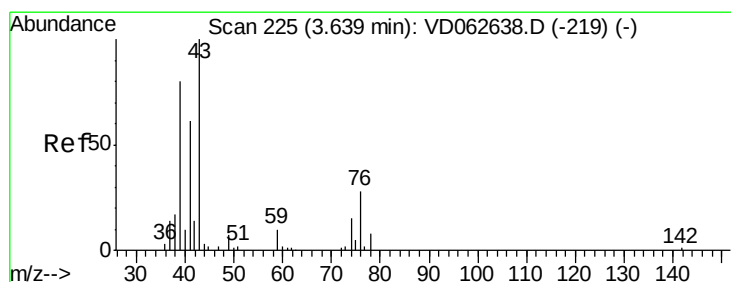
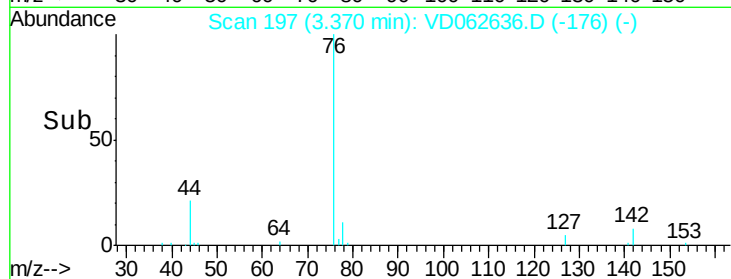
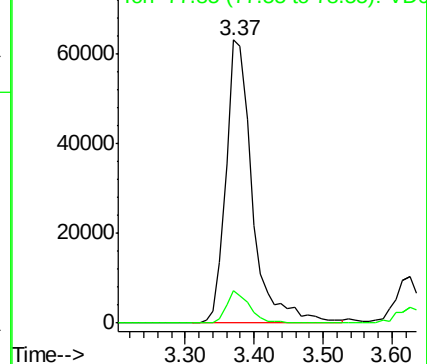
76 100

78 11.5 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: 9.864 ug/l

RT: 3.65 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD062636.D

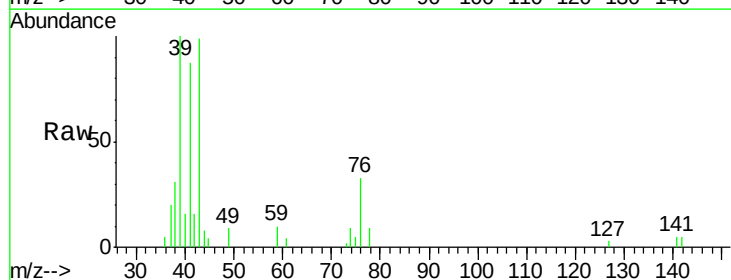
Acq: 7 Jun 2019 11:20

Tgt Ion: 43 Resp: 31107

Ion Ratio Lower Upper

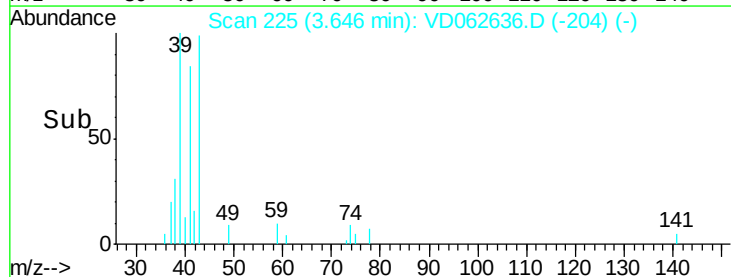
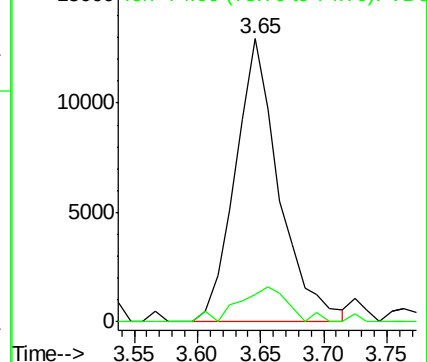
43 100

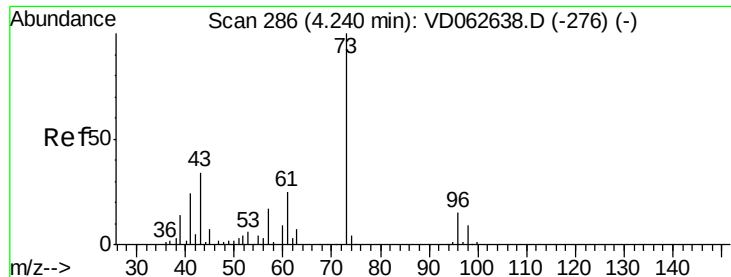
74 9.5 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



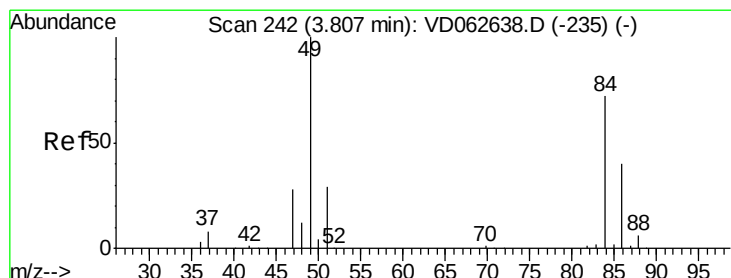
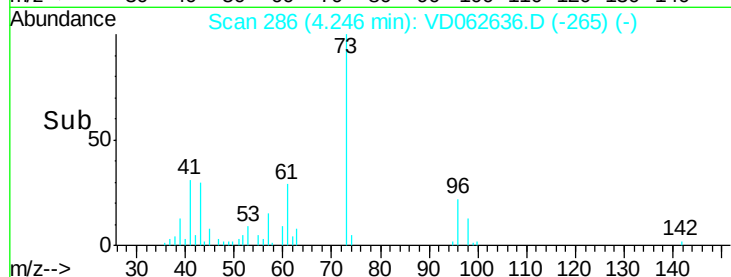
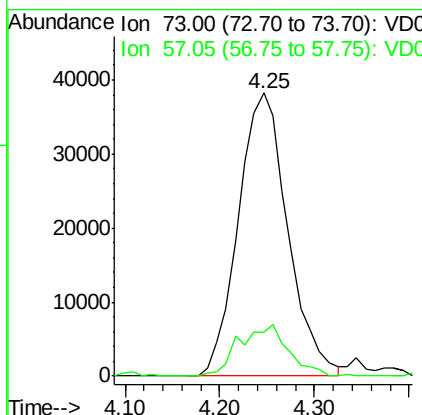
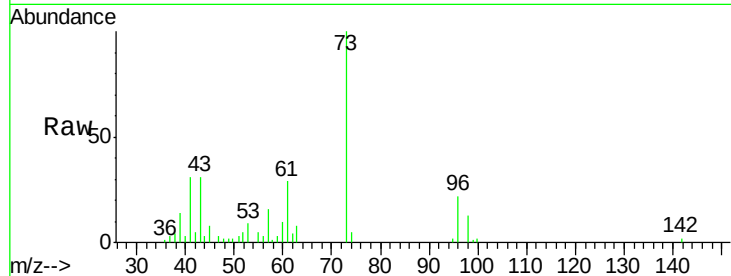


#19

Methyl tert-butyl Ether
 Concen: 8.776 ug/l
 RT: 4.25 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

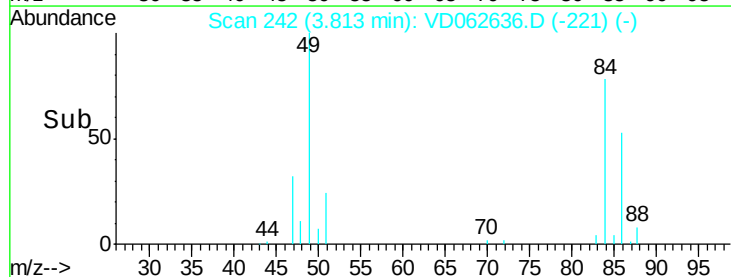
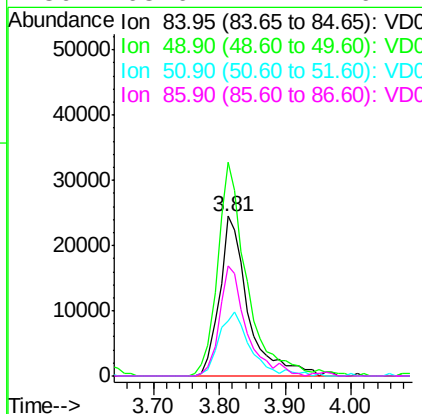
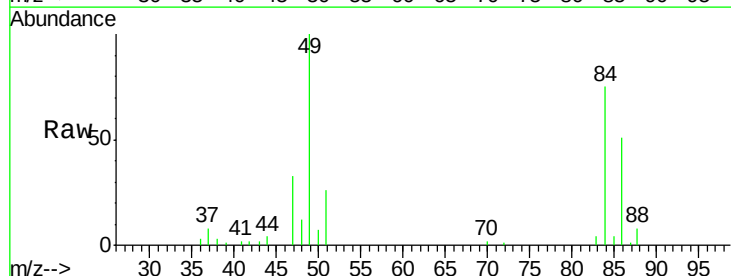
Tot Ion: 73 Resp: 138740
 Ion Ratio Lower Upper
 73 100
 57 15.7 13.5 20.3

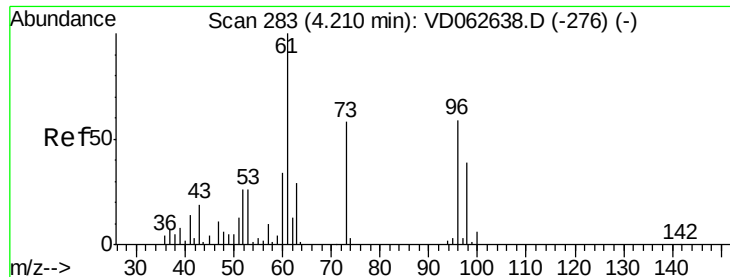


#20

Methylene Chloride
 Concen: 10.319 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion: 84 Resp: 74575
 Ion Ratio Lower Upper
 84 100
 49 133.6 111.2 166.8
 51 34.7 31.9 47.9
 86 68.6 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 9.224 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

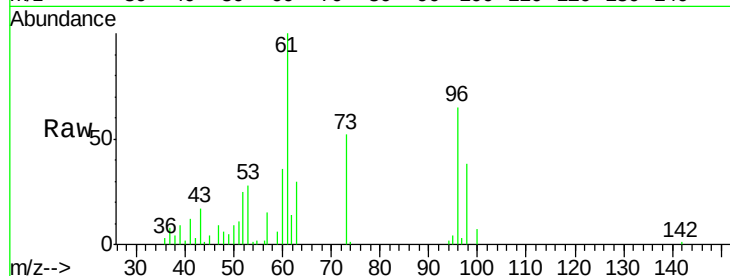
Tot Ion: 96 Resp: 66237

Ion Ratio Lower Upper

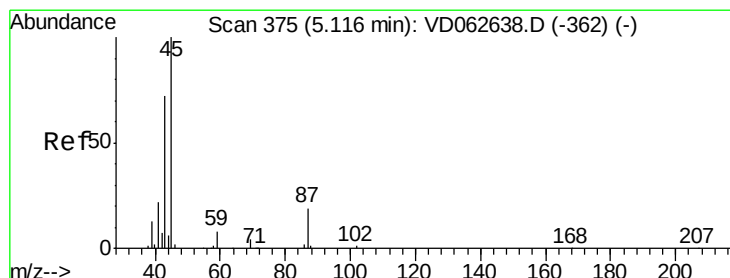
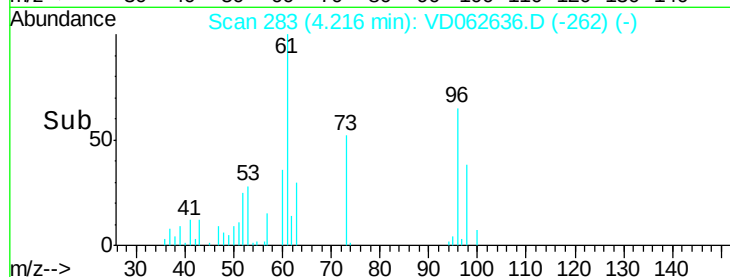
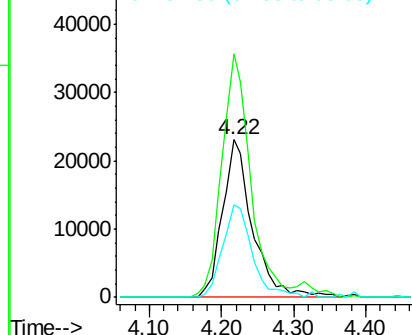
96 100

61 154.7 134.6 201.8

98 58.9 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: 8.854 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Tgt Ion: 45 Resp: 178606

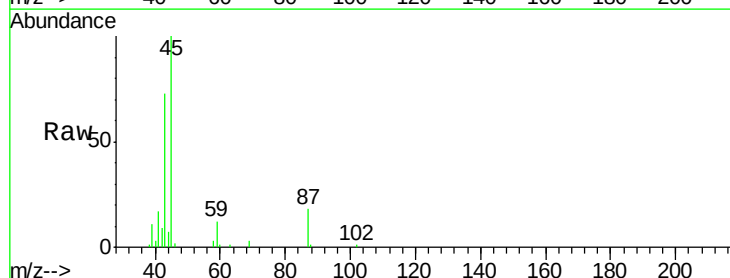
Ion Ratio Lower Upper

45 100

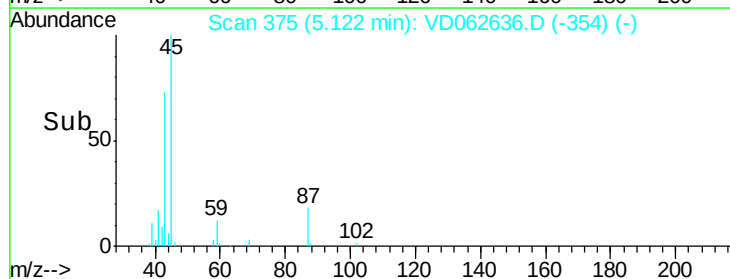
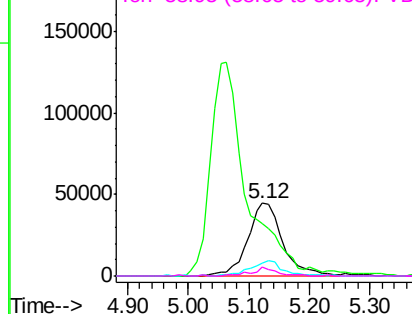
43 73.0 58.8 88.2

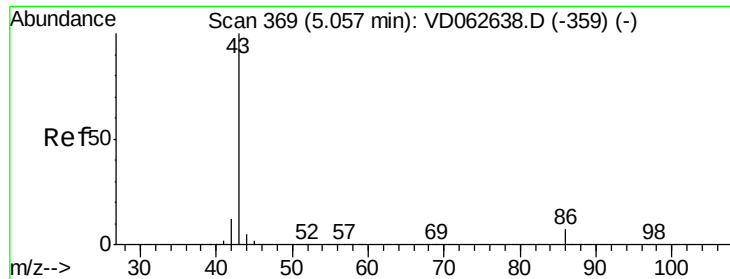
87 17.9 15.7 23.5

59 11.9 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: 42.553 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

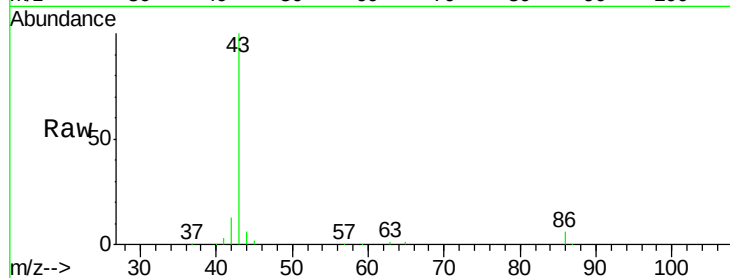
VSTDIC010

Tot Ion: 43 Resp: 541653

Ion Ratio Lower Upper

43 100

86 5.6 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

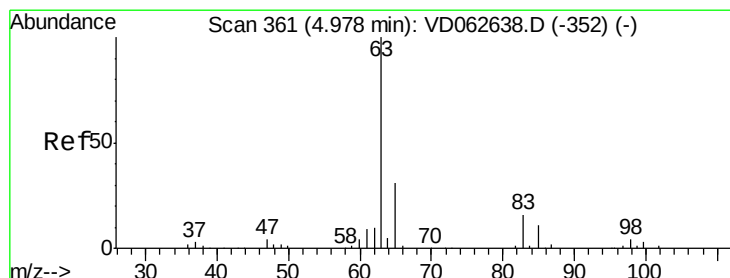
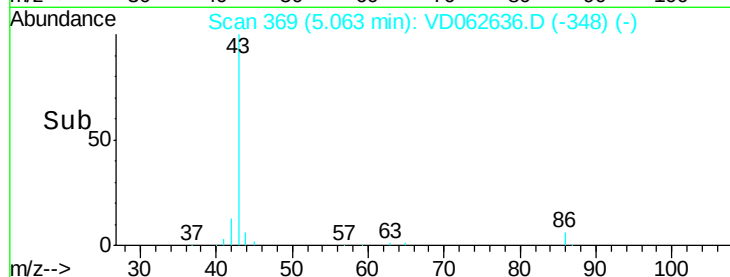
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 9.010 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

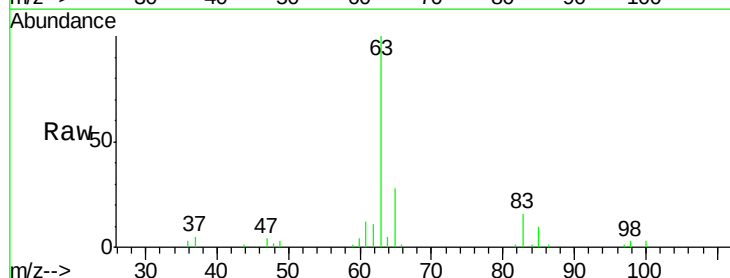
Tgt Ion: 63 Resp: 120008

Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.4

100 2.9 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

40000

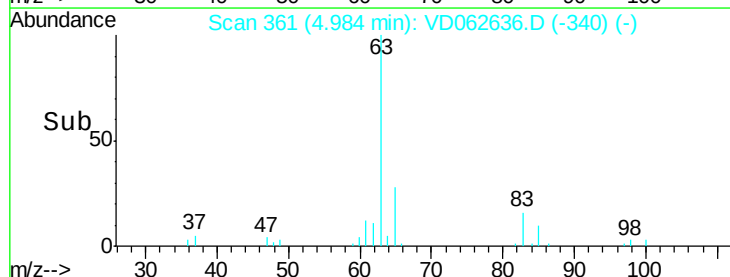
30000

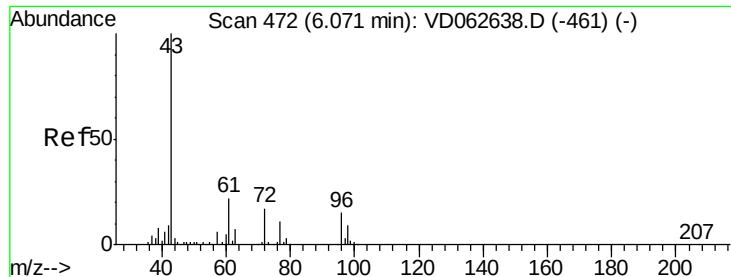
20000

10000

0

Time-->





#25

2-Butanone

Concen: 42.940 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

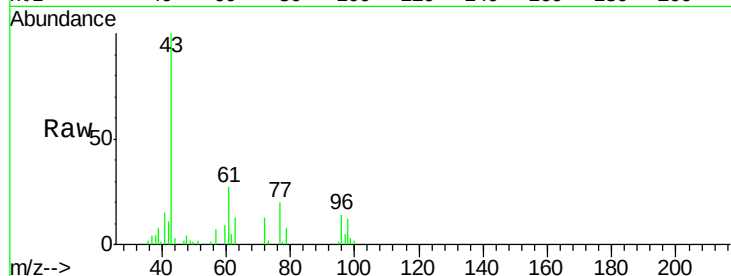
VSTDIC010

Tot Ion: 43 Resp: 81106

Ion Ratio Lower Upper

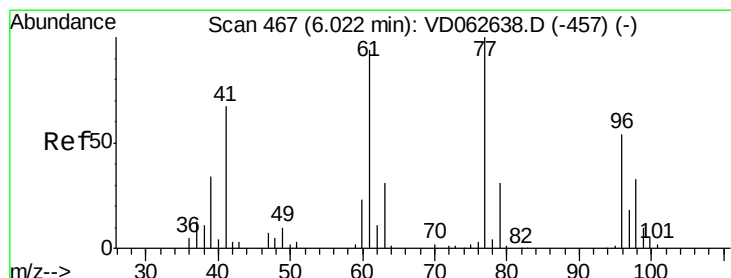
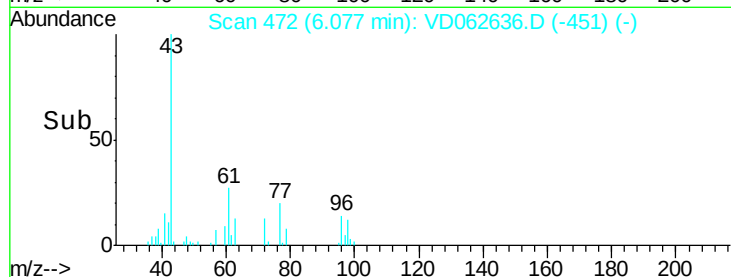
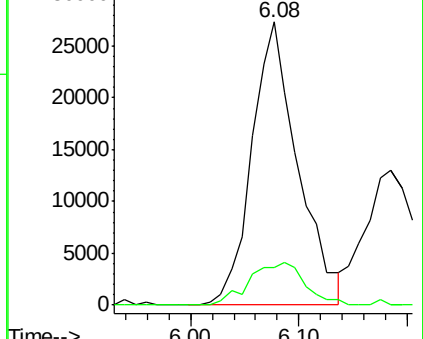
43 100

72 13.2 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: 9.619 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD062636.D

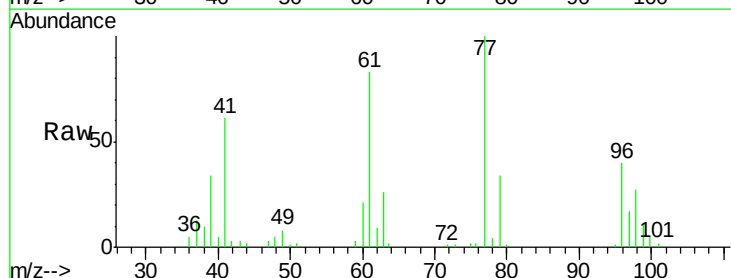
Acq: 7 Jun 2019 11:20

Tgt Ion: 77 Resp: 148227

Ion Ratio Lower Upper

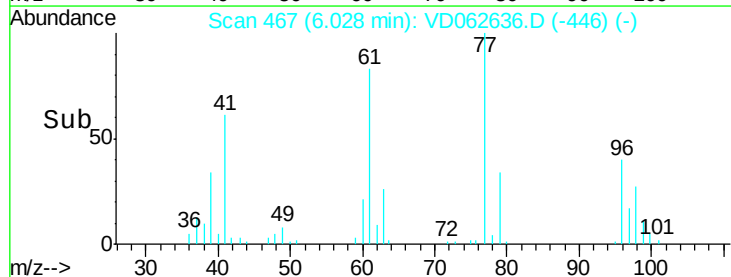
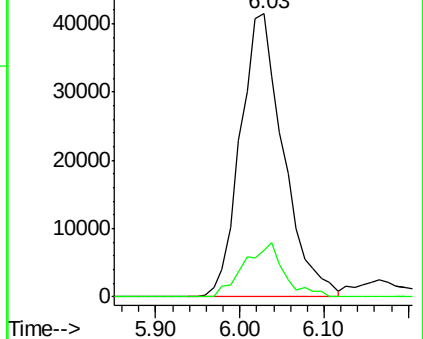
77 100

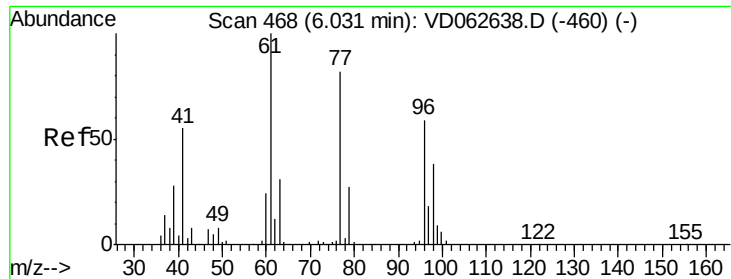
97 16.6 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



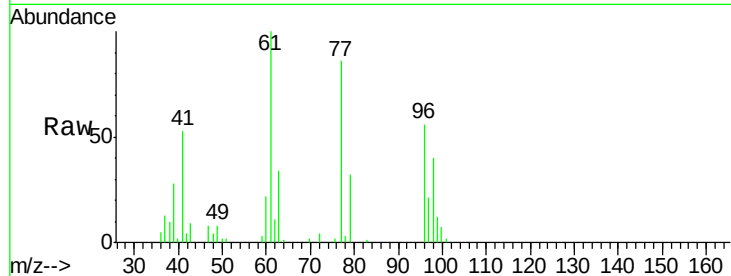


#27

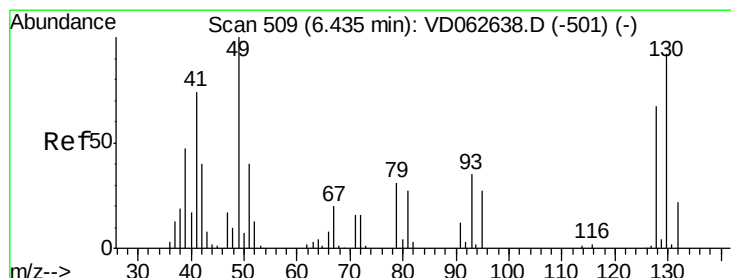
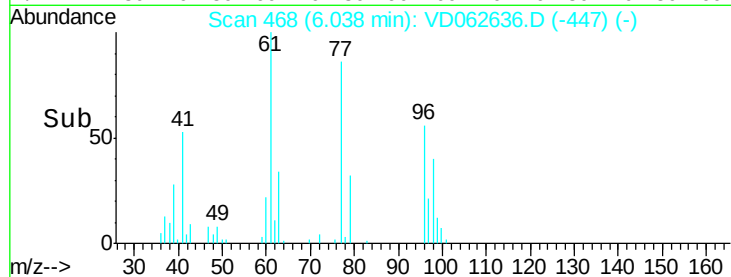
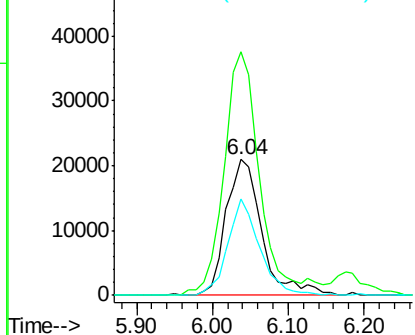
cis-1,2-Dichloroethene
Concen: 8.948 ug/l
RT: 6.04 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 68372
Ion Ratio Lower Upper
96 100
61 179.2 0.0 340.0
98 71.1 0.0 127.6



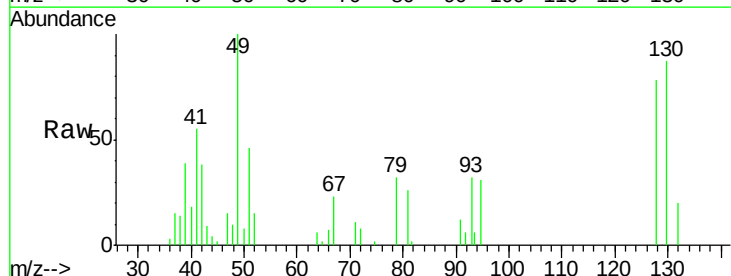
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



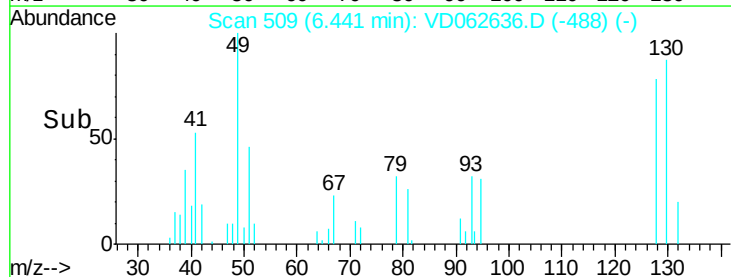
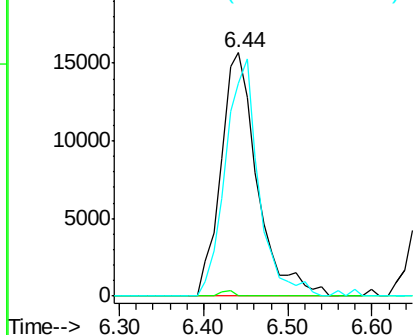
#28

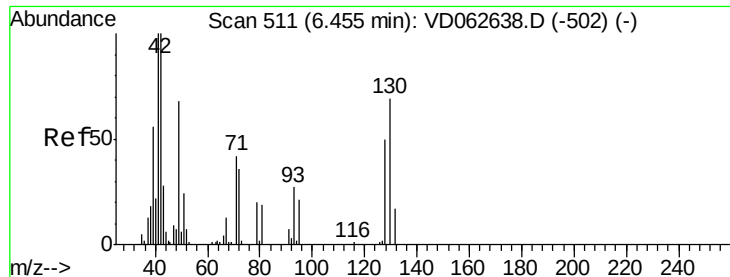
Bromochloromethane
Concen: 9.867 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 49 Resp: 47060
Ion Ratio Lower Upper
49 100
129 0.0 0.0 8.2
130 87.4 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: 43.987 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

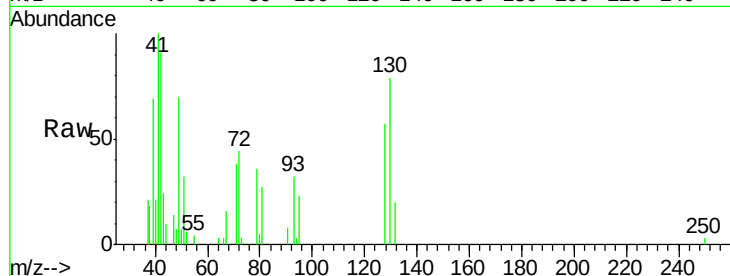
Tot Ion: 42 Resp: 37388

Ion Ratio Lower Upper

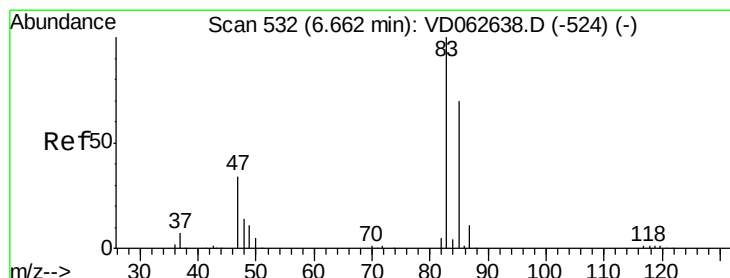
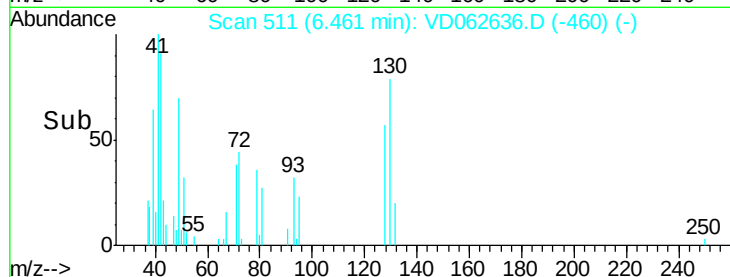
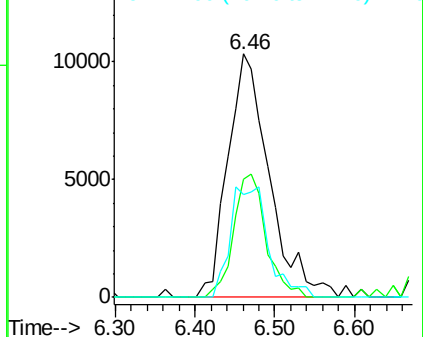
42 100

72 39.4 33.8 50.6

71 41.8 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 9.263 ug/l

RT: 6.67 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD062636.D

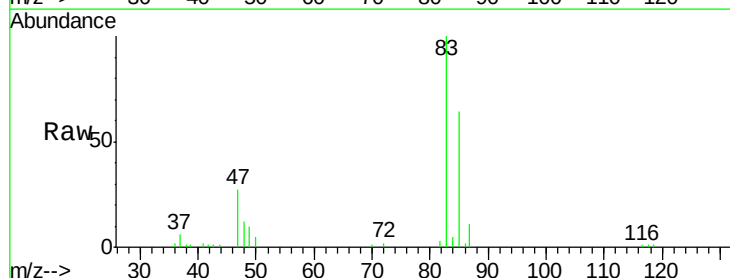
Acq: 7 Jun 2019 11:20

Tgt Ion: 83 Resp: 158818

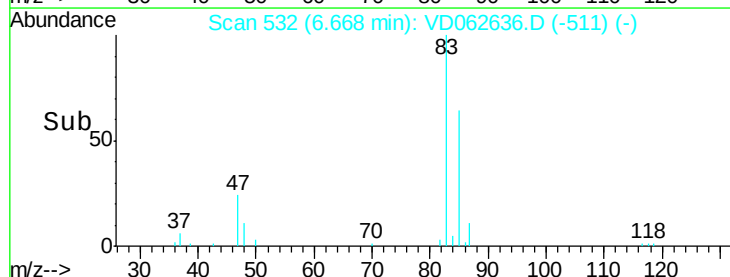
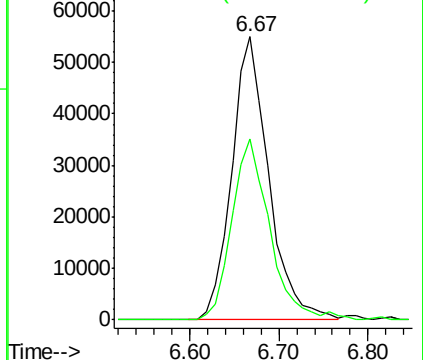
Ion Ratio Lower Upper

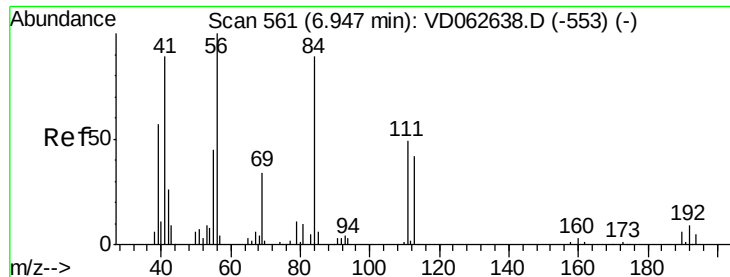
83 100

85 63.9 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

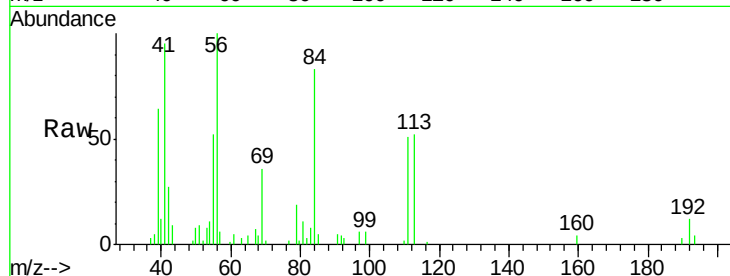




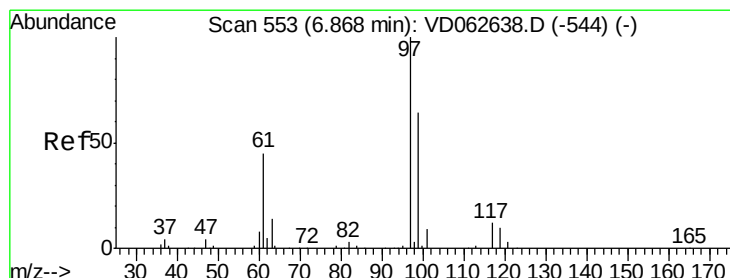
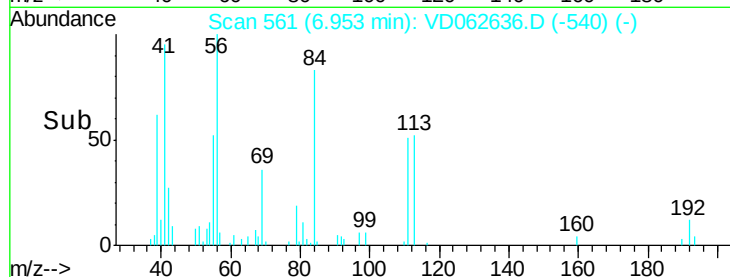
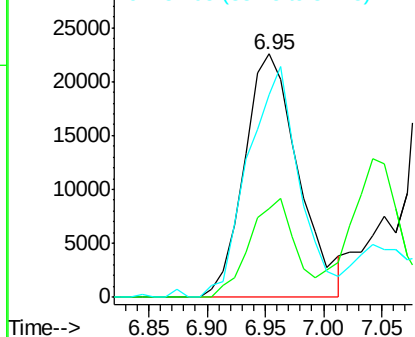
#31
Cyclohexane
Concen: 8.891 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 72585
Ion Ratio Lower Upper
56 100
69 36.3 26.8 40.2
84 83.2 73.9 110.9

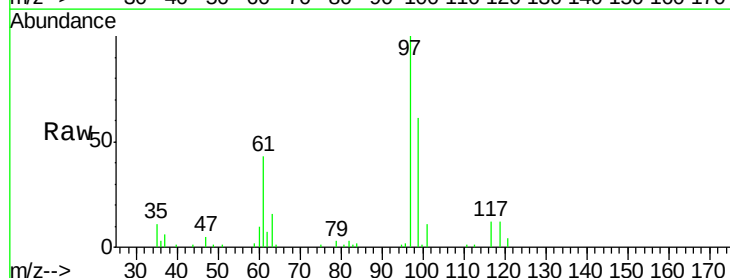


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

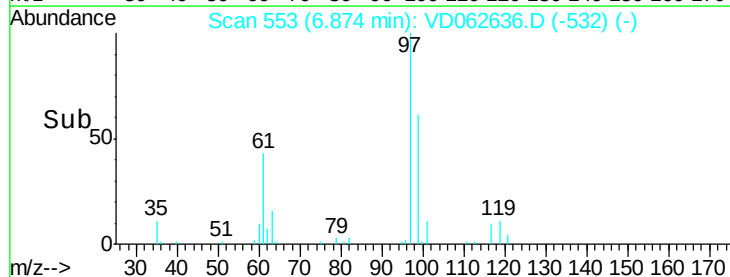
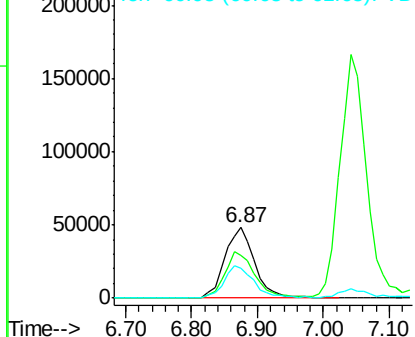


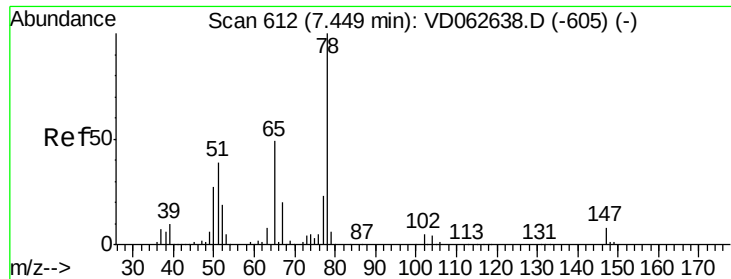
#32
1,1,1-Trichloroethane
Concen: 8.824 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 97 Resp: 153013
Ion Ratio Lower Upper
97 100
99 61.1 51.4 77.0
61 43.1 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

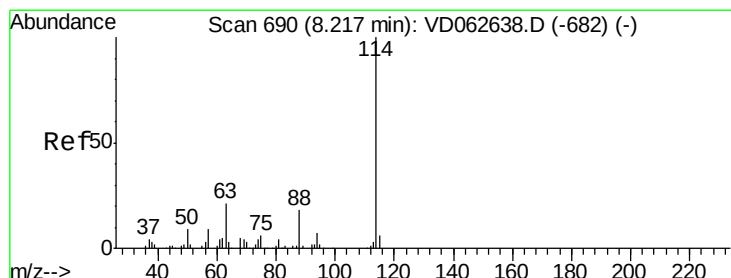
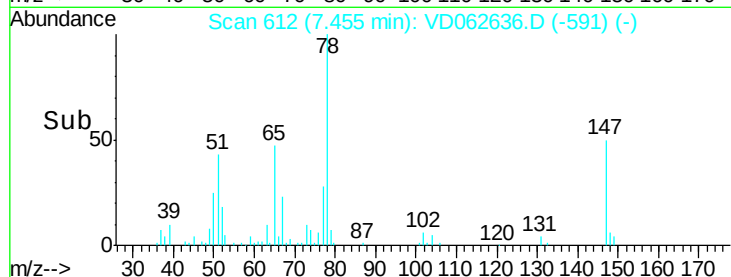
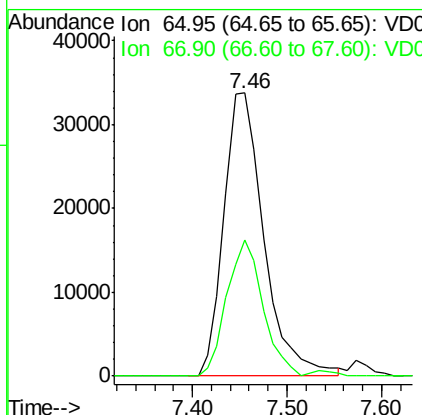
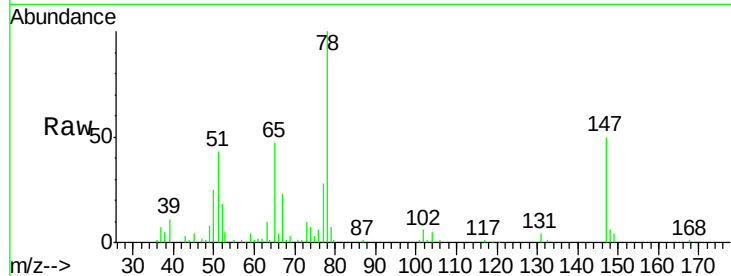




#33
 1,2-Dichloroethane-d4
 Concen: 9.509 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

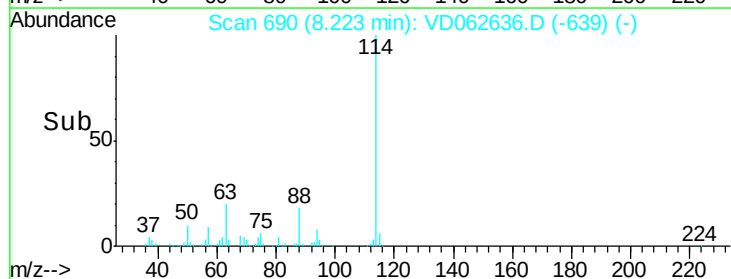
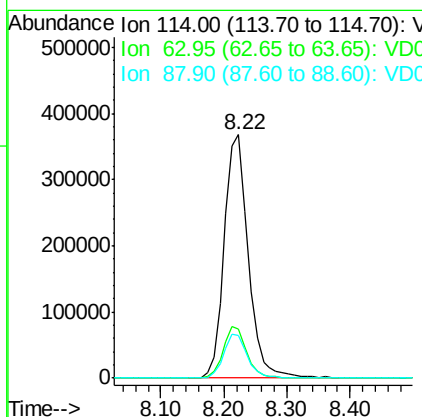
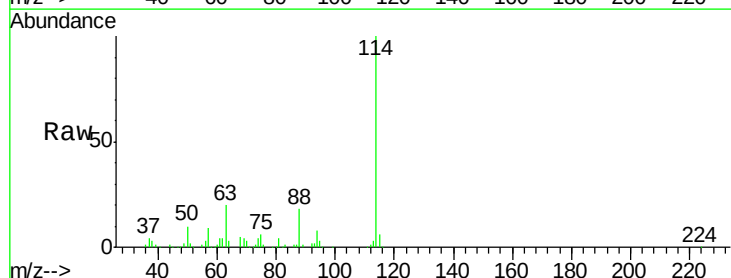
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

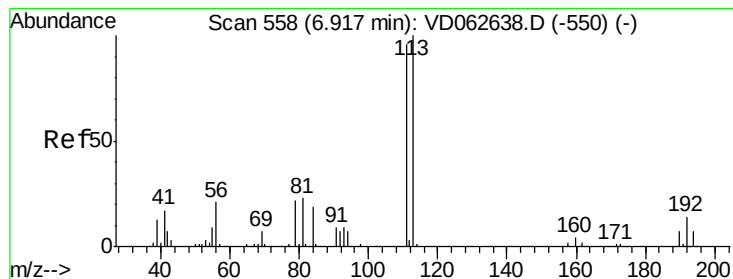
Tot Ion: 65 Resp: 99173
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion: 114 Resp: 972434
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 17.6 0.0 36.8





#35

Dibromofluoromethane

Concen: 8.978 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

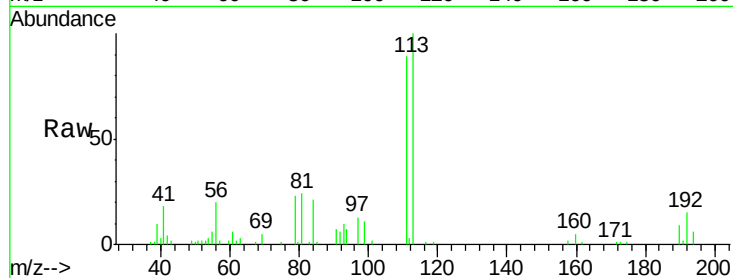
Tot Ion:113 Resp: 92094

Ion Ratio Lower Upper

113 100

111 89.4 76.4 114.6

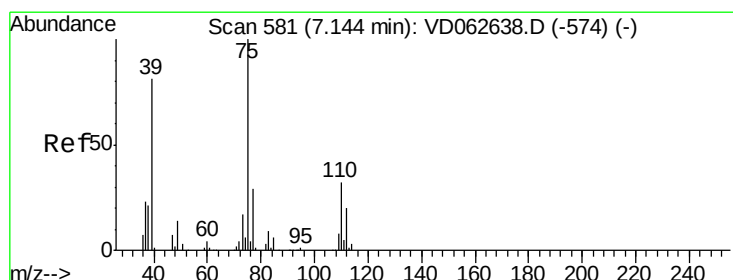
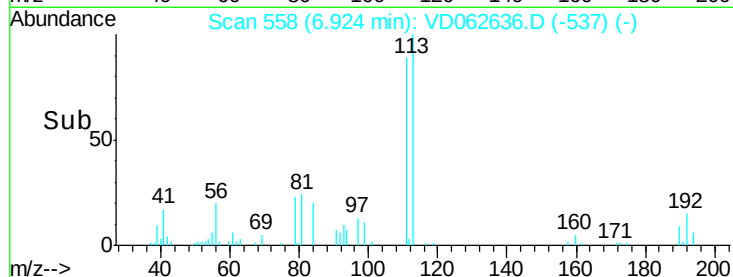
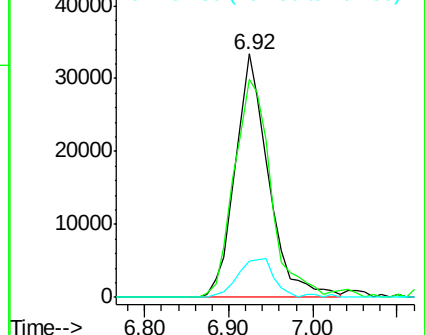
192 14.7 11.4 17.0



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: 8.922 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

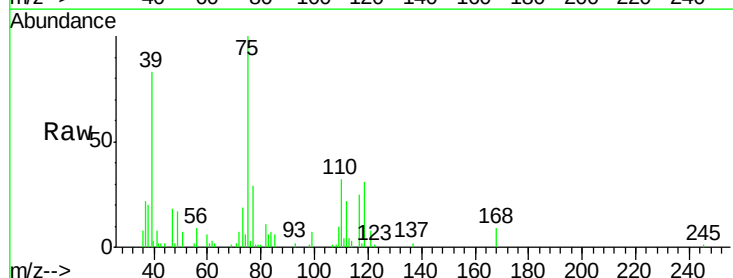
Tgt Ion: 75 Resp: 103331

Ion Ratio Lower Upper

75 100

110 32.1 15.9 47.7

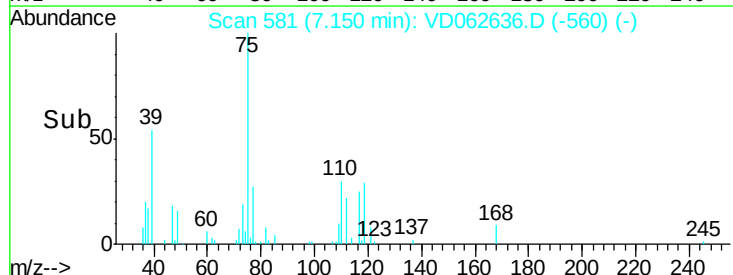
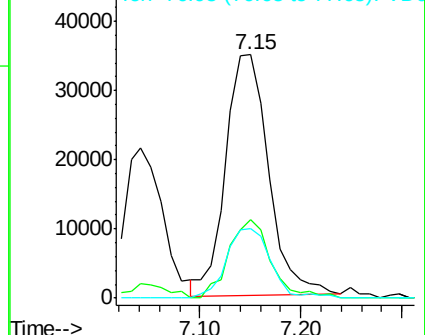
77 28.5 23.3 34.9

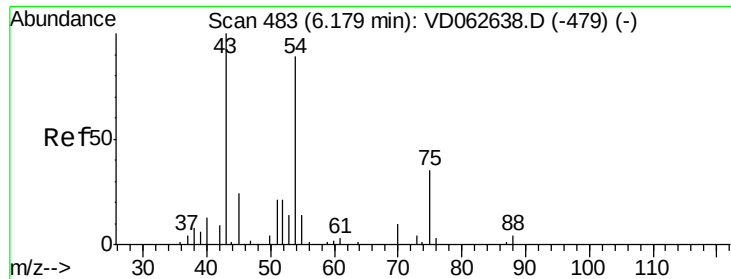


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

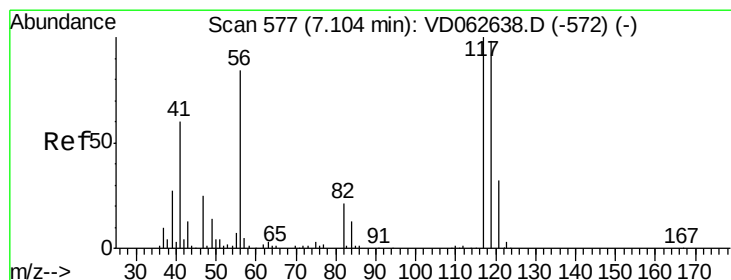
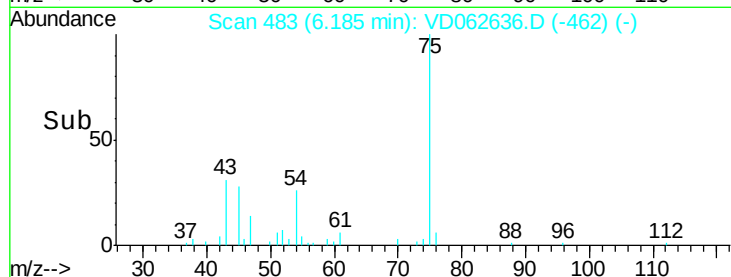
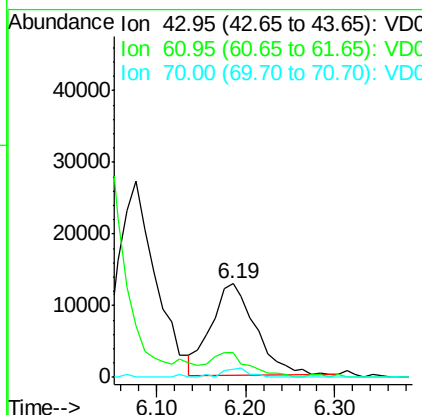
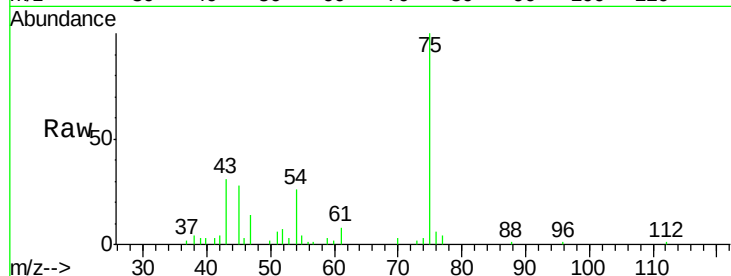




#37
Ethyl Acetate
Concen: 8.877 ug/l
RT: 6.19 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

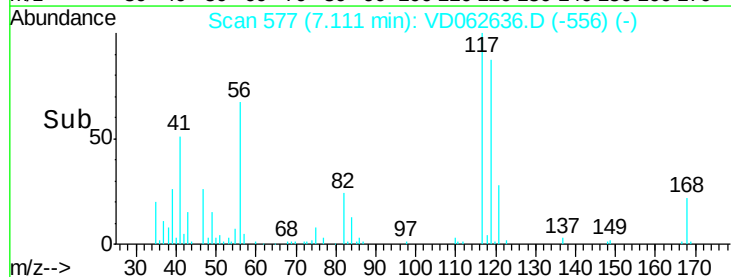
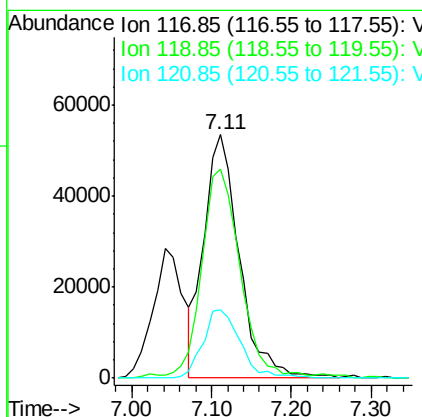
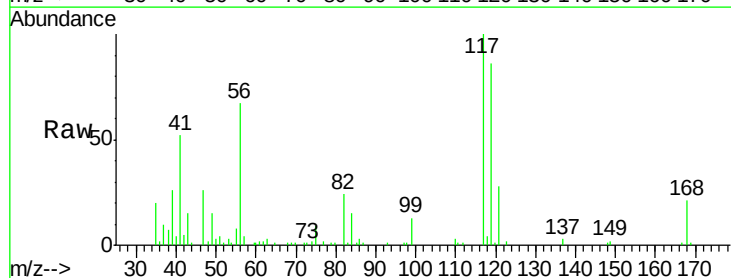
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

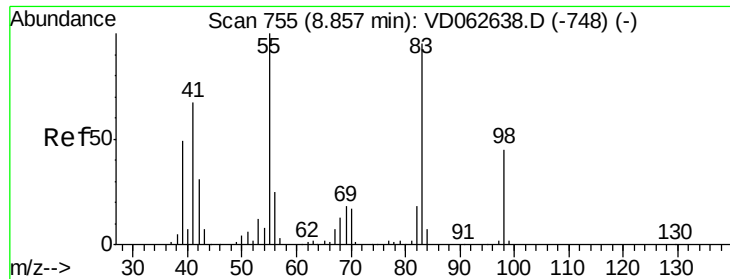
Tot Ion: 43 Resp: 44820
Ion Ratio Lower Upper
43 100
61 26.8 8.7 13.1#
70 9.3 6.5 9.7



#38
Carbon Tetrachloride
Concen: 9.102 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 117 Resp: 166396
Ion Ratio Lower Upper
117 100
119 86.1 73.5 110.3
121 27.9 24.2 36.4

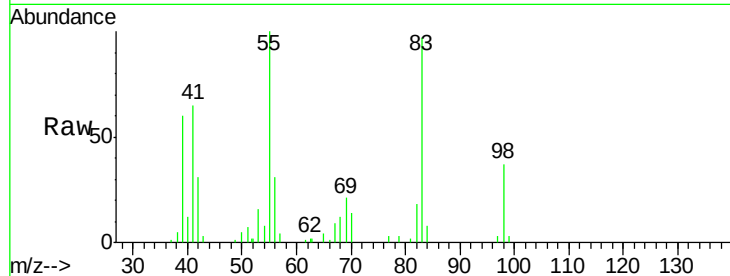




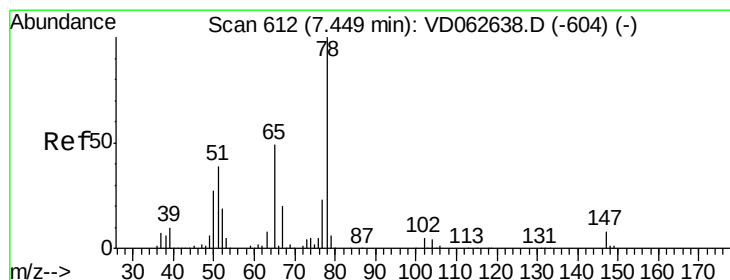
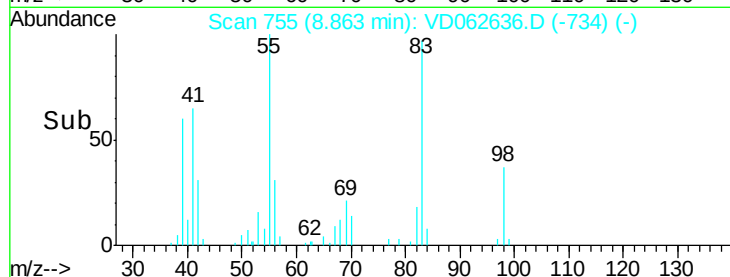
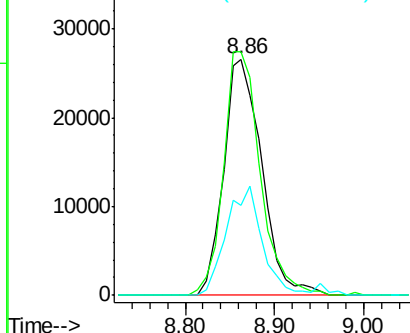
#39
Methylvlcyclohexane
Concen: 8.602 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 79285
Ion Ratio Lower Upper
83 100
55 102.9 84.6 127.0
98 38.0 38.2 57.4#

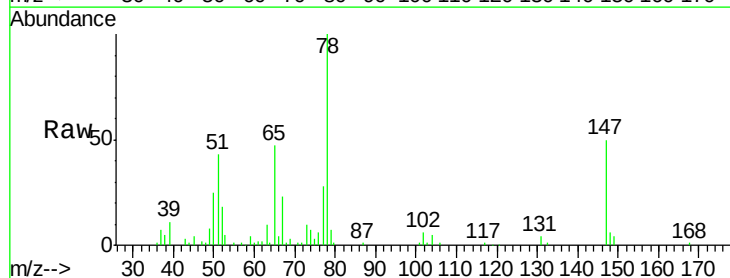


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

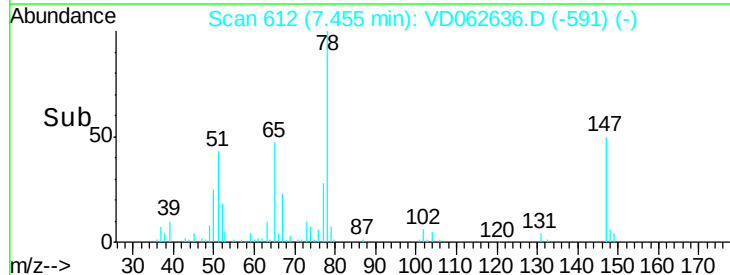
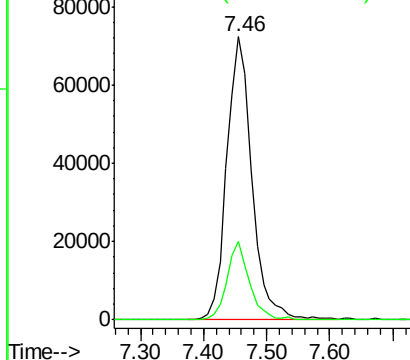


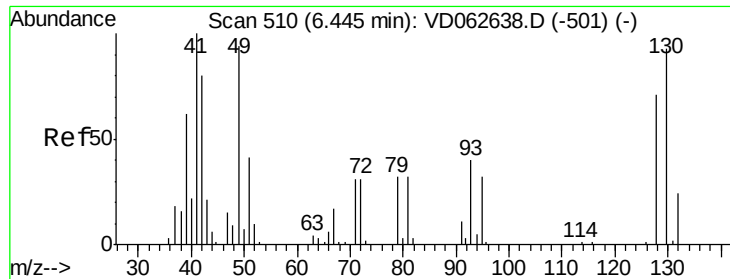
#40
Benzene
Concen: 9.030 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 78 Resp: 199225
Ion Ratio Lower Upper
78 100
77 27.6 18.6 28.0



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

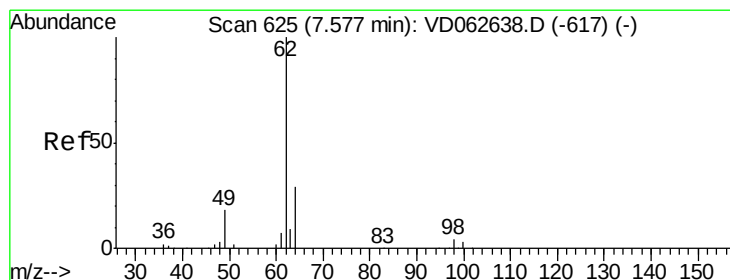
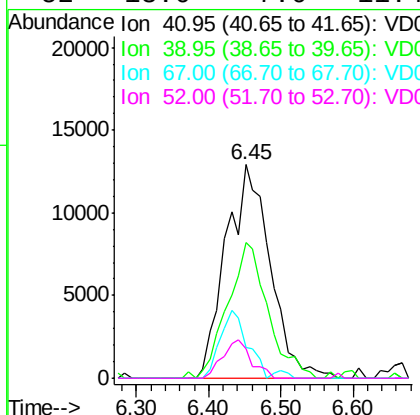
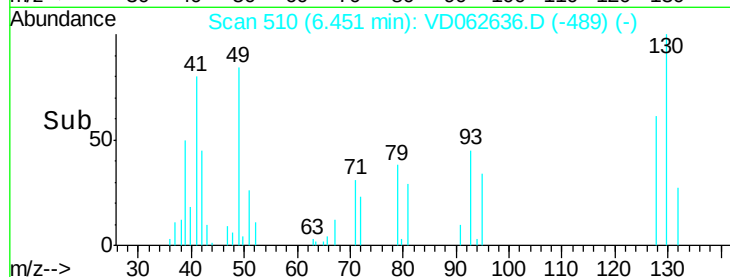
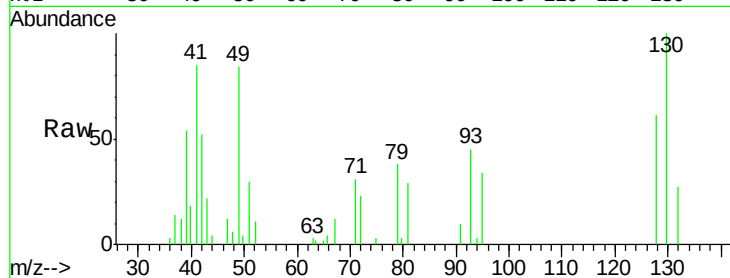




#41
Methacrylonitrile
Concen: 9.075 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

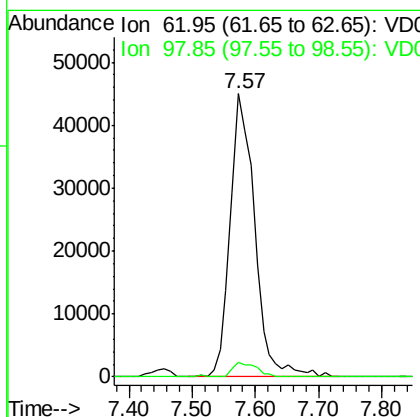
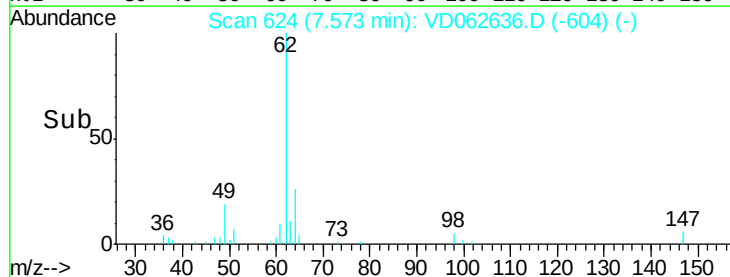
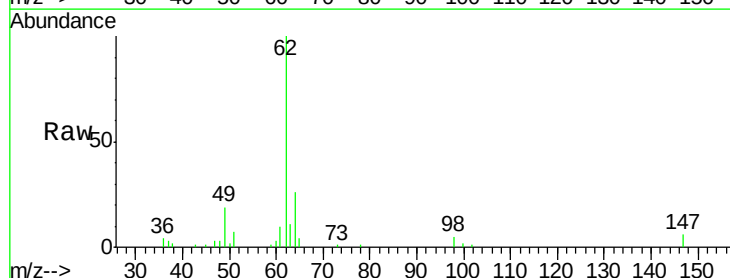
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

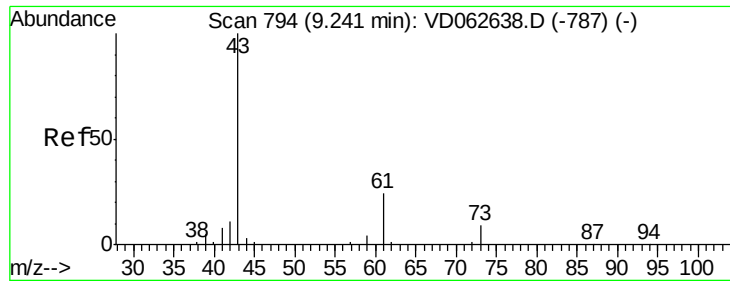
Tot Ion: 41 Resp: 54913
Ion Ratio Lower Upper
41 100
39 63.3 49.2 73.8
67 14.2 13.9 20.9
52 13.6 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 9.131 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 62 Resp: 120816
Ion Ratio Lower Upper
62 100
98 5.2 0.0 7.4





#43

Isopropyl Acetate

Concen: 8.466 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

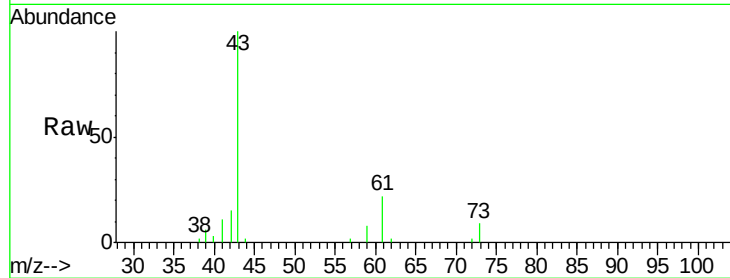
Tot Ion: 43 Resp: 50193

Ion Ratio Lower Upper

43 100

61 22.3 19.0 28.6

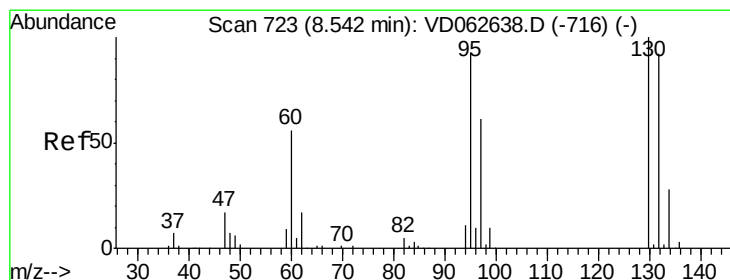
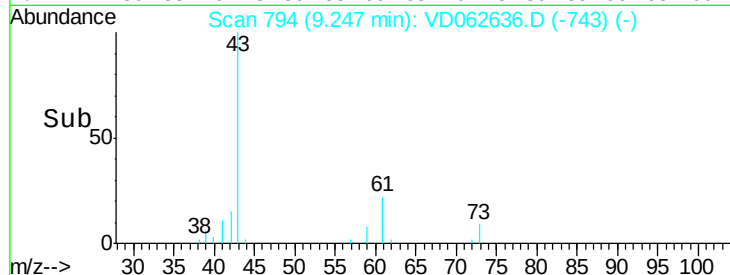
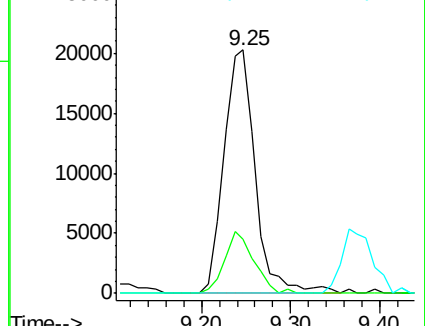
87 0.0 0.3 0.5#



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: 8.429 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD062636.D

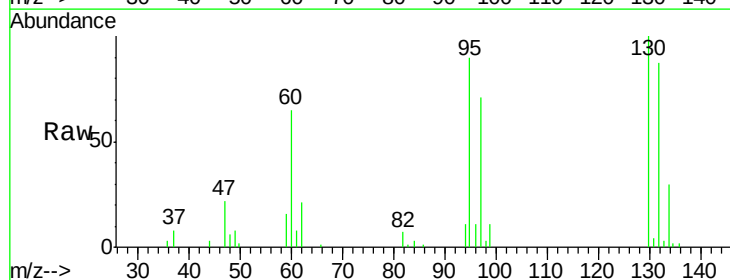
Acq: 7 Jun 2019 11:20

Tgt Ion:130 Resp: 76758

Ion Ratio Lower Upper

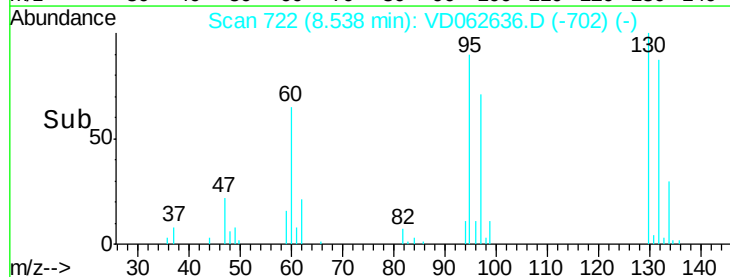
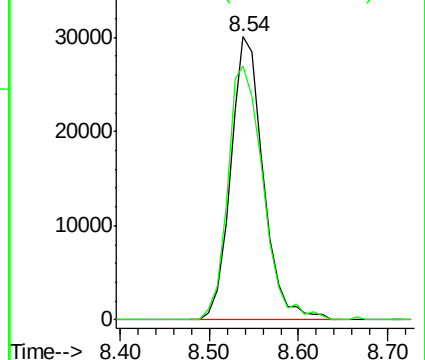
130 100

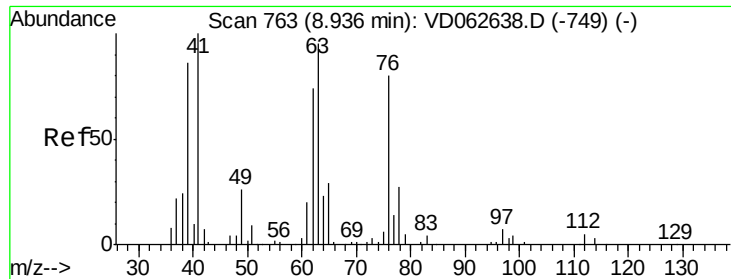
95 89.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 9.083 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

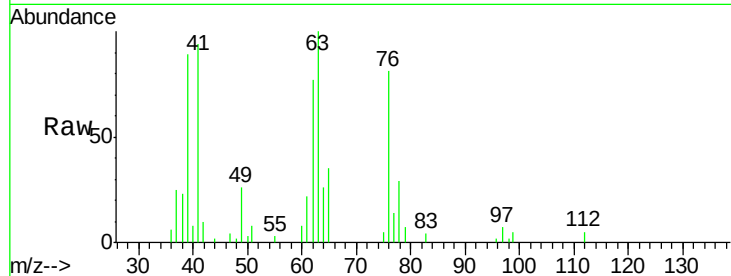
VSTDIC010

Tot Ion: 63 Resp: 48615

Ion Ratio Lower Upper

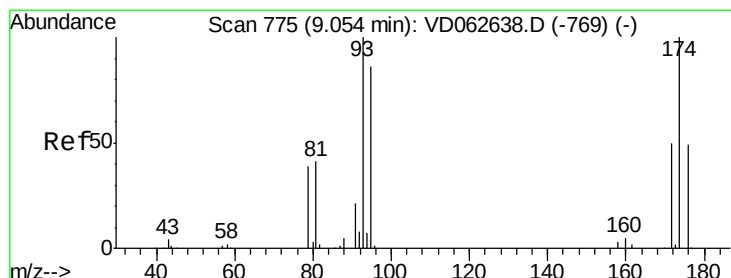
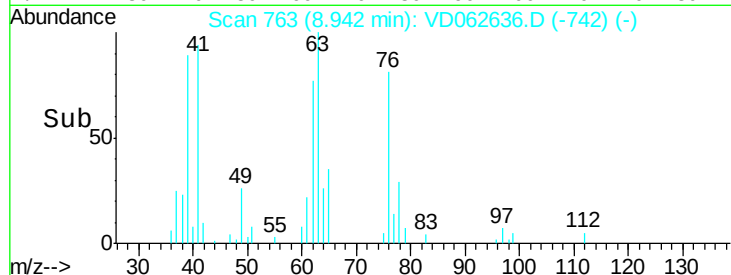
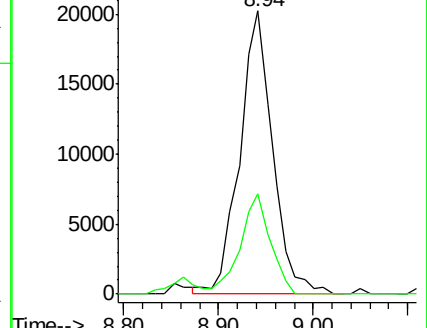
63 100

65 35.3 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: 8.477 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

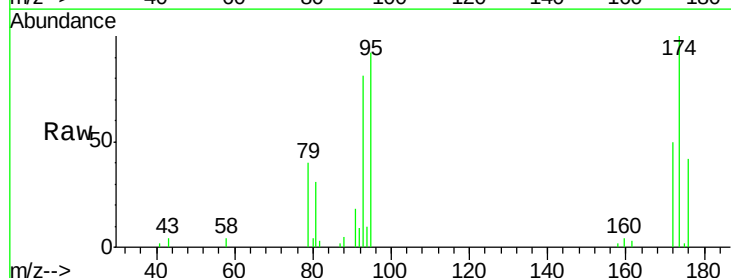
Tgt Ion: 93 Resp: 40632

Ion Ratio Lower Upper

93 100

95 114.1 68.7 103.1#

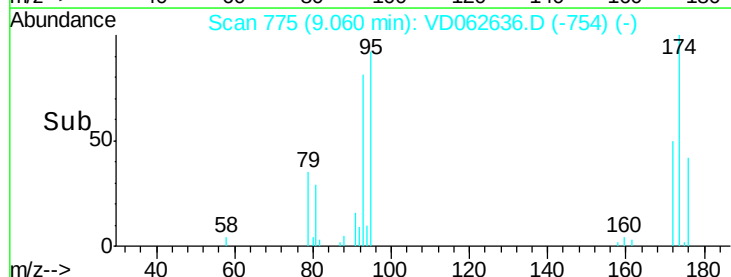
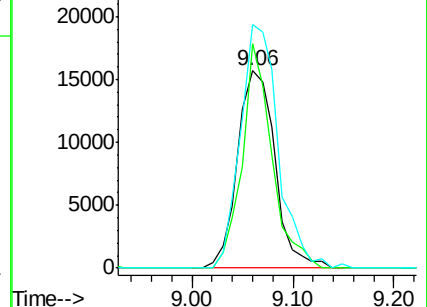
174 123.6 79.8 119.8#

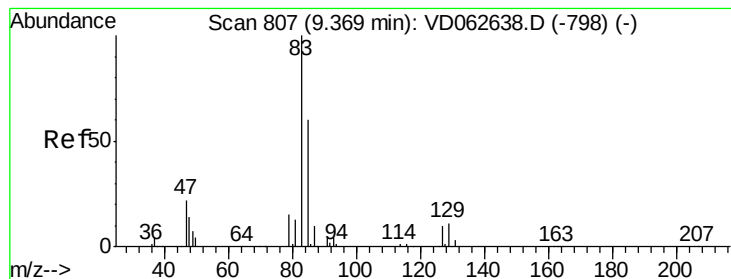


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 8.896 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

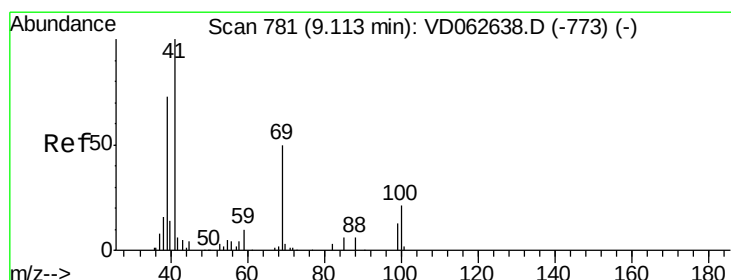
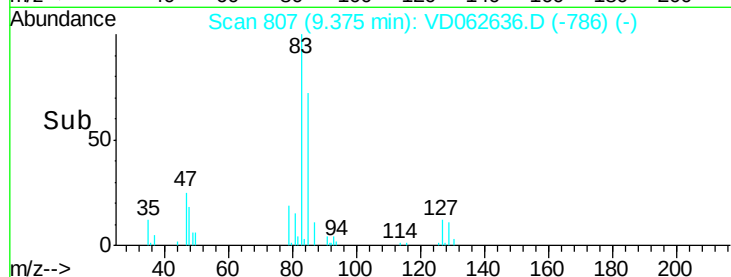
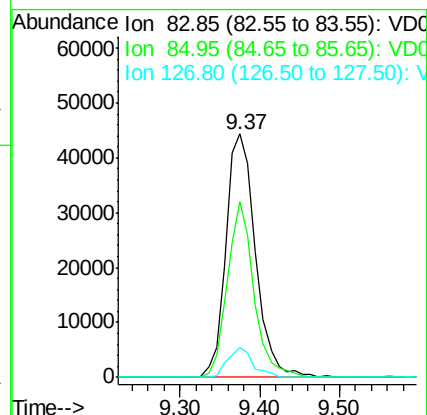
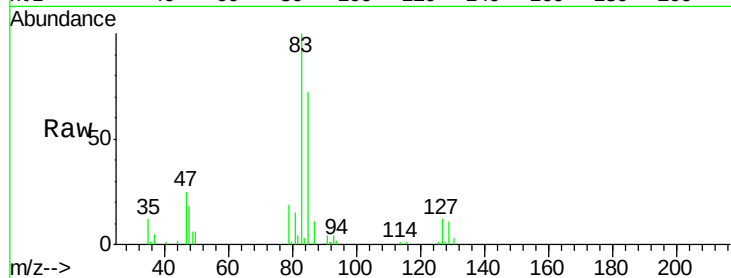
Tot Ion: 83 Resp: 115763

Ion Ratio Lower Upper

83 100

85 72.3 47.9 71.9#

127 12.0 8.2 12.4



#48

Methyl methacrylate

Concen: 9.418 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

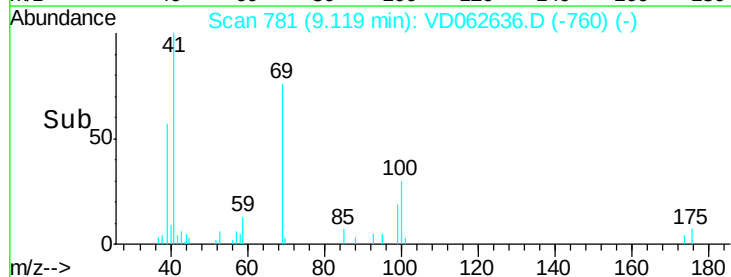
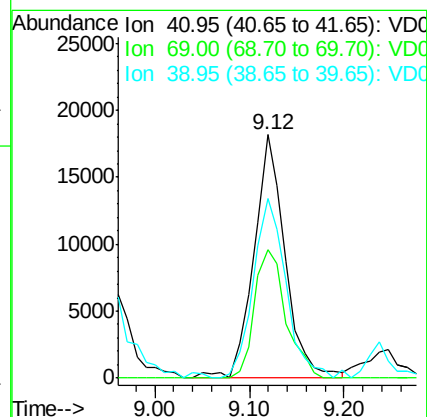
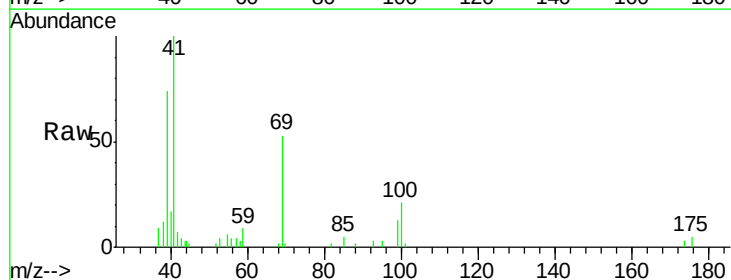
Tgt Ion: 41 Resp: 41567

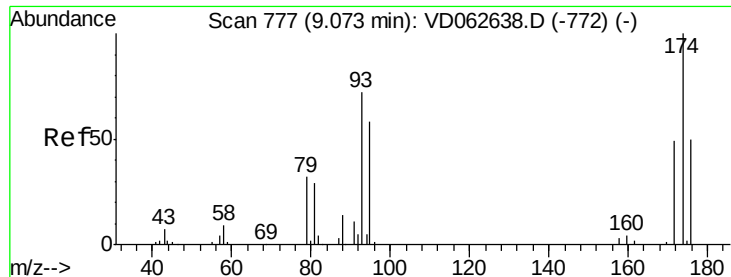
Ion Ratio Lower Upper

41 100

69 52.7 39.8 59.6

39 73.8 59.1 88.7

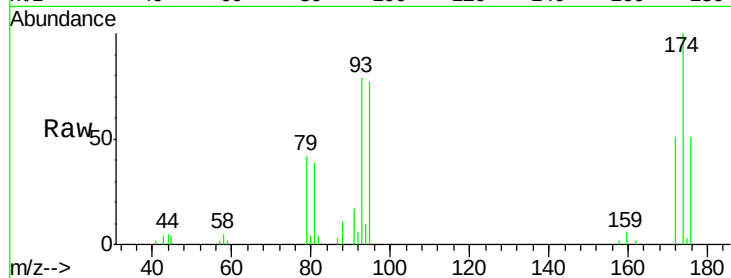




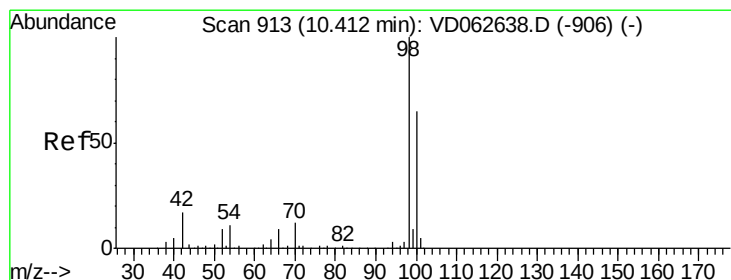
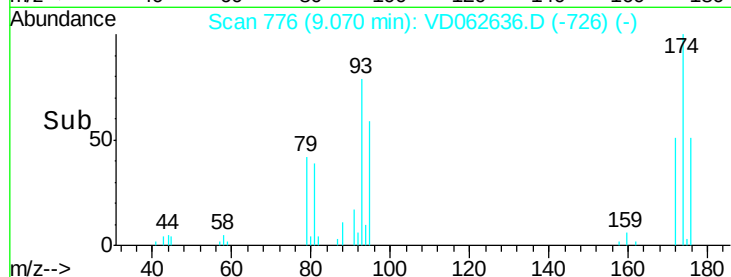
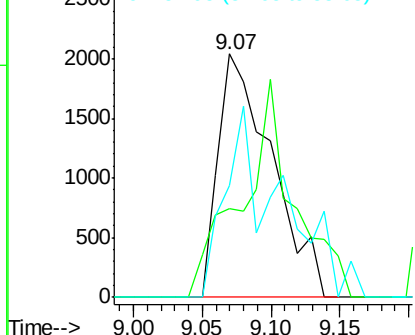
#49
1,4-Dioxane
Concen: 157.750 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 5500
Ion Ratio Lower Upper
88 100
43 36.7 40.7 61.1#
58 46.0 54.2 81.4#

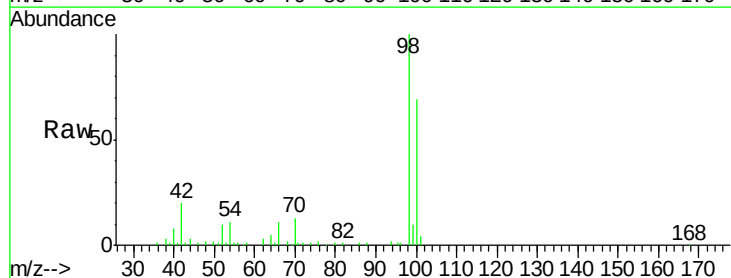


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

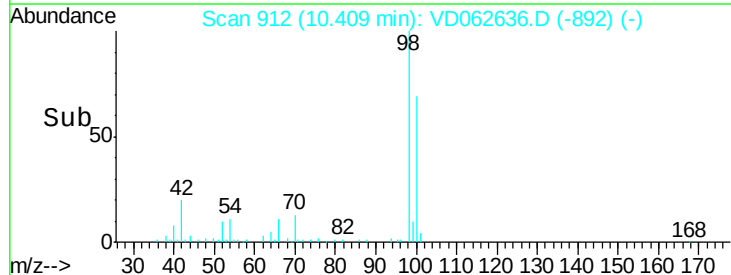
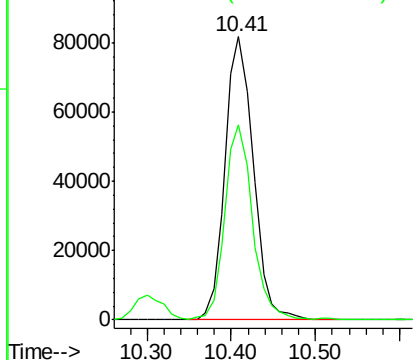


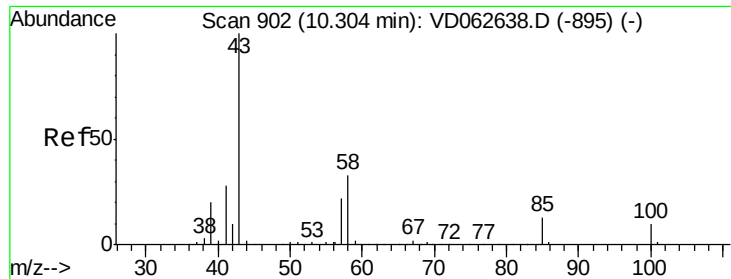
#50
Toluene-d8
Concen: 8.750 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 98 Resp: 191116
Ion Ratio Lower Upper
98 100
100 68.8 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: 44.022 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

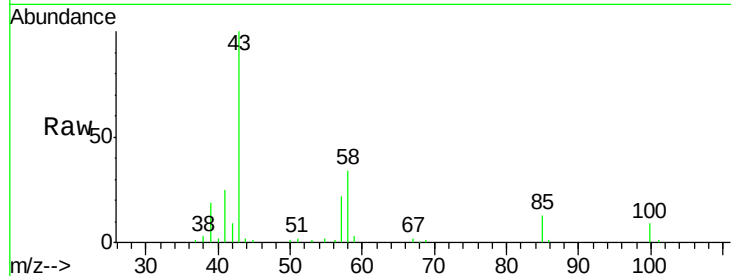
VSTDIC010

Tot Ion: 43 Resp: 185322

Ion Ratio Lower Upper

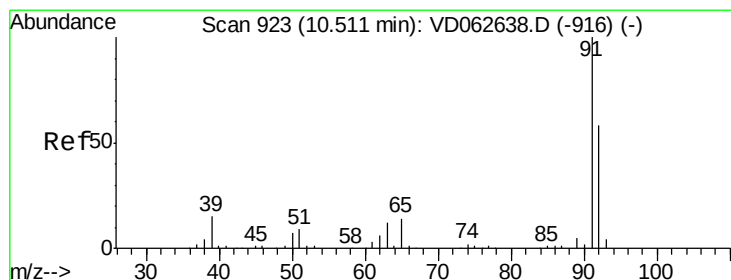
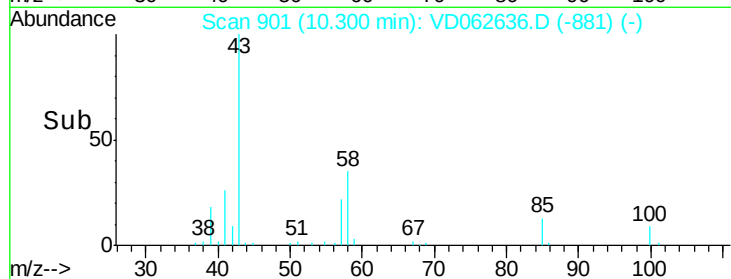
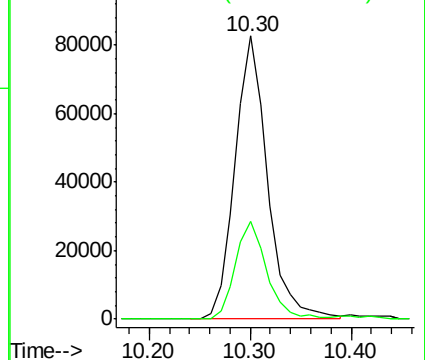
43 100

58 34.5 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: 8.533 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD062636.D

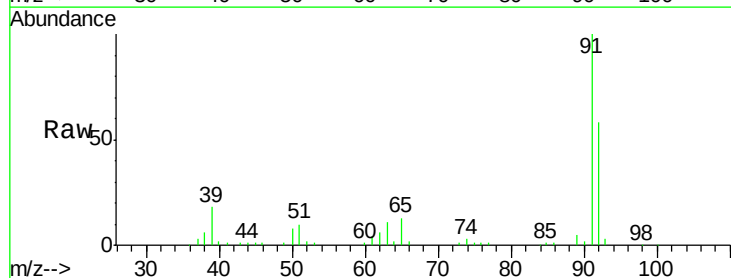
Acq: 7 Jun 2019 11:20

Tgt Ion: 92 Resp: 128823

Ion Ratio Lower Upper

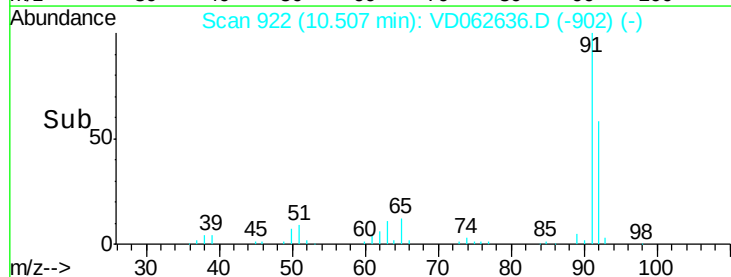
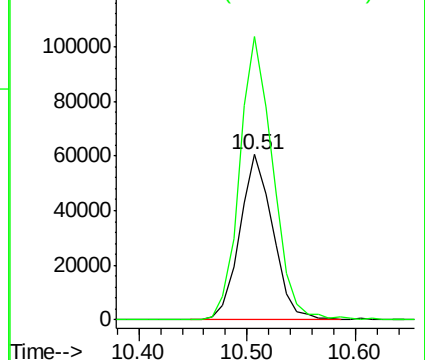
92 100

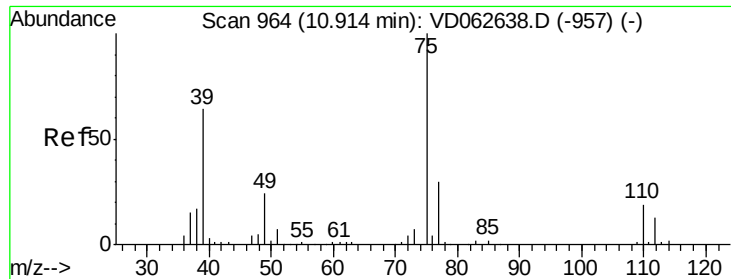
91 171.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

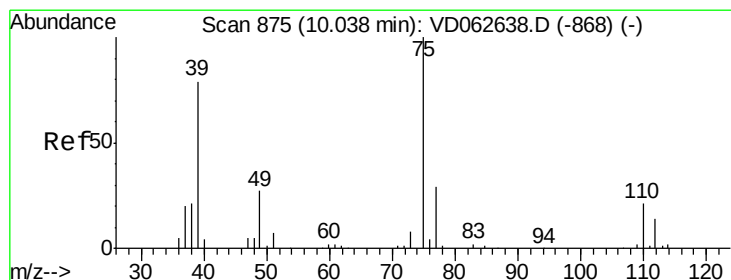
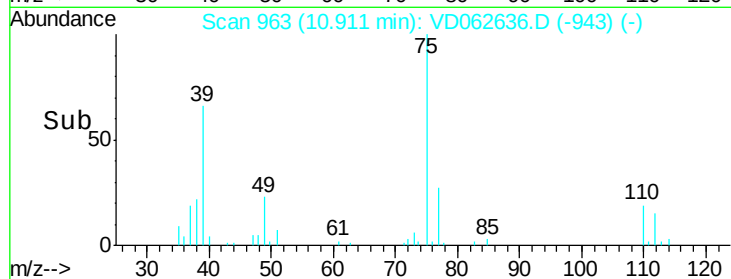
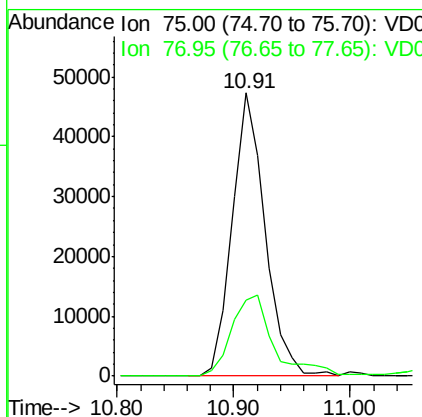
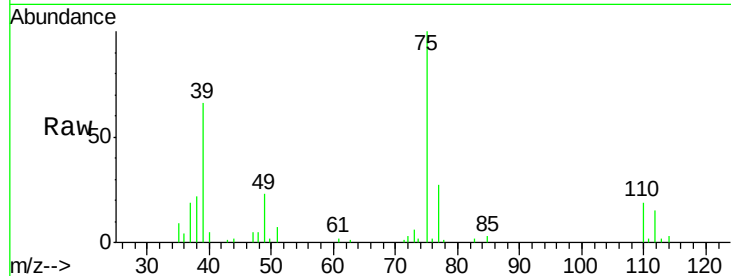




#53
 t-1,3-Dichloropropene
 Concen: 8.638 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

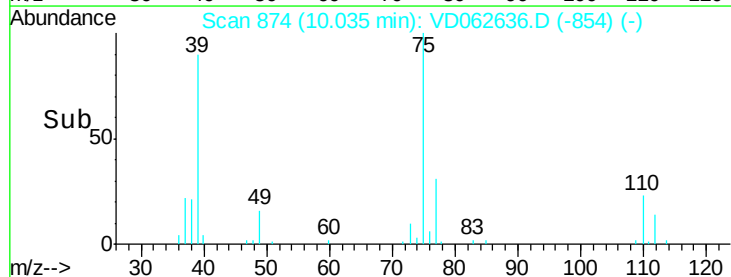
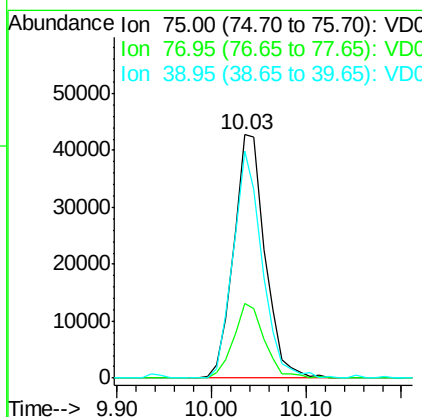
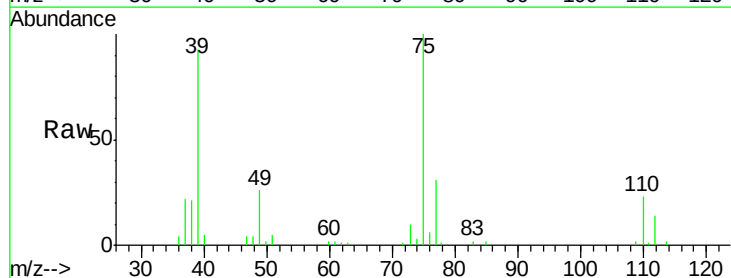
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

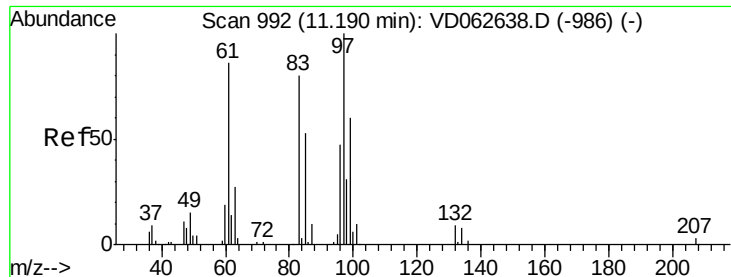
Tot Ion: 75 Resp: 92532
 Ion Ratio Lower Upper
 75 100
 77 26.9 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 8.820 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion: 75 Resp: 97759
 Ion Ratio Lower Upper
 75 100
 77 30.5 23.1 34.7
 39 93.5 63.4 95.2

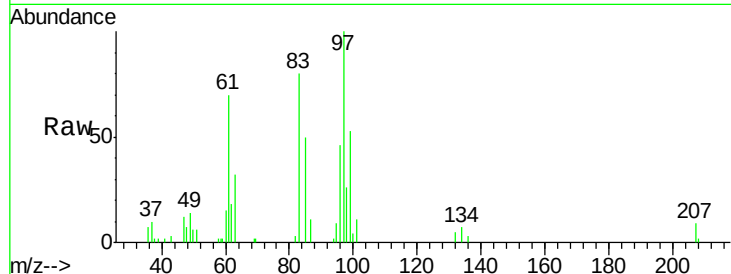




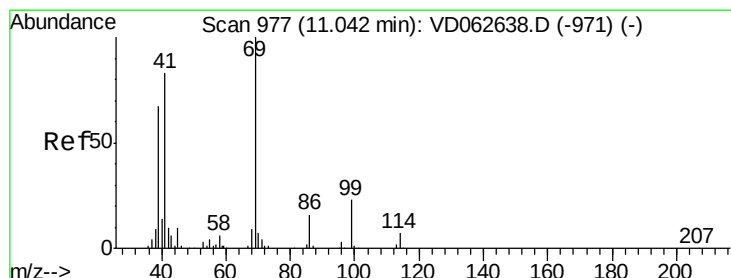
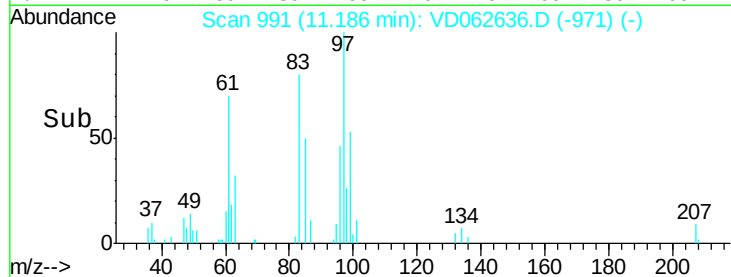
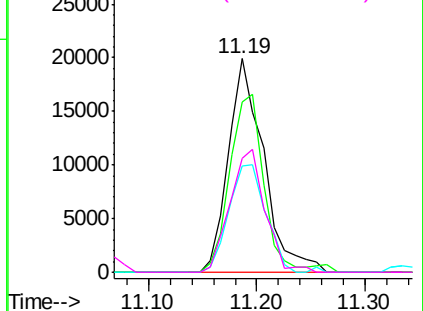
#55
 1,1,2-Trichloroethane
 Concen: 8.959 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	45189
Ion	Ratio	Lower	Upper
97	100		
83	79.8	63.8	95.8
85	49.7	42.3	63.5
99	53.2	48.0	72.0

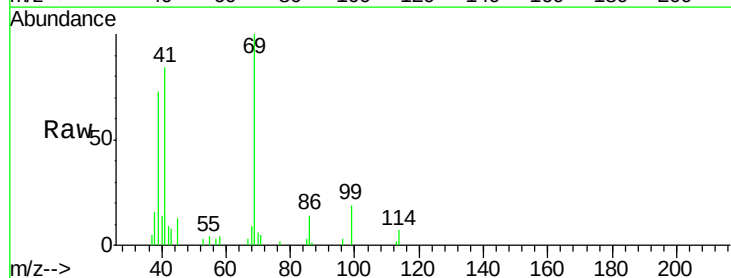


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

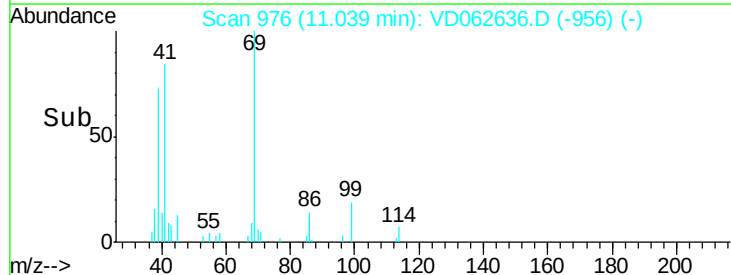
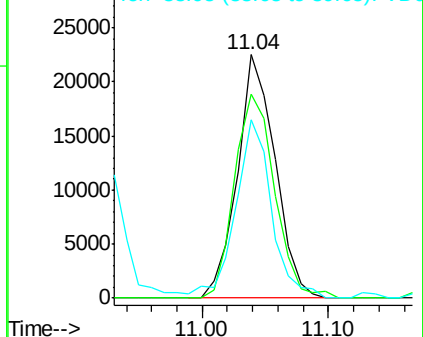


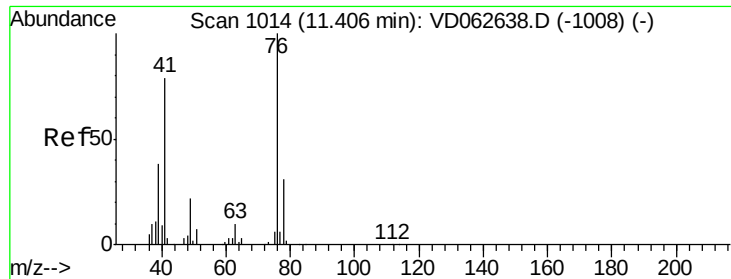
#56
 Ethyl methacrylate
 Concen: 8.438 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion:	69	Resp:	46524
Ion	Ratio	Lower	Upper
69	100		
41	83.6	66.2	99.4
39	73.3	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: 8.841 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

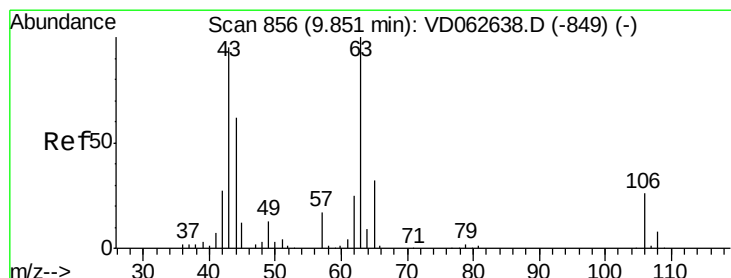
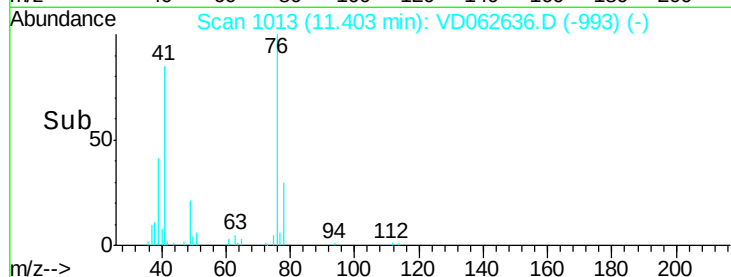
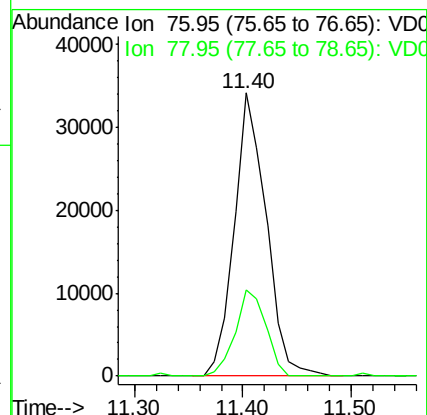
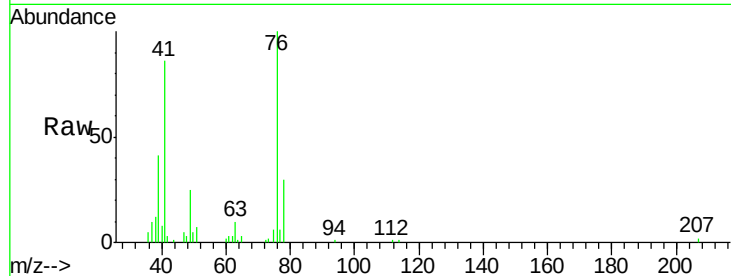
VSTDIC010

Tot Ion: 76 Resp: 70136

Ion Ratio Lower Upper

76 100

78 30.4 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 45.879 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD062636.D

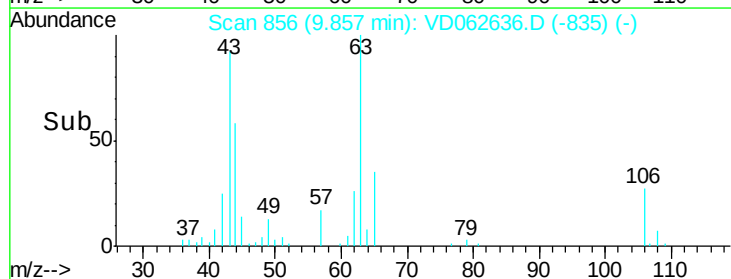
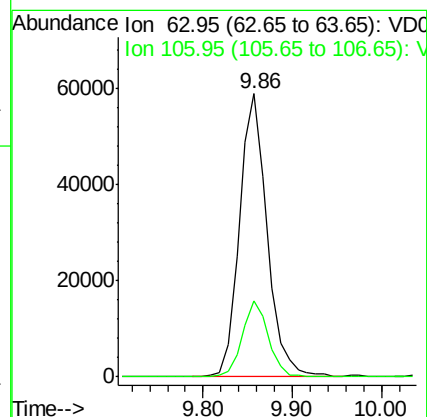
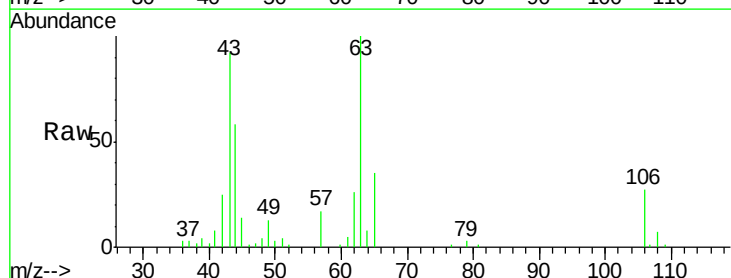
Acq: 7 Jun 2019 11:20

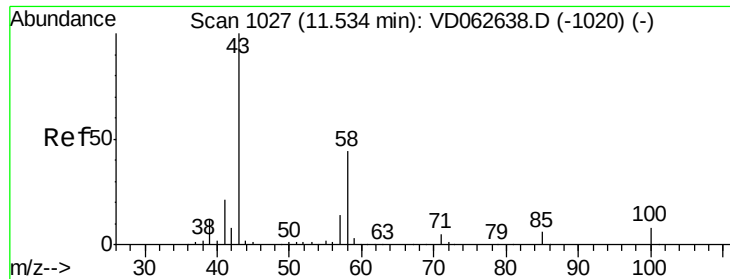
Tgt Ion: 63 Resp: 127134

Ion Ratio Lower Upper

63 100

106 26.8 20.5 30.7

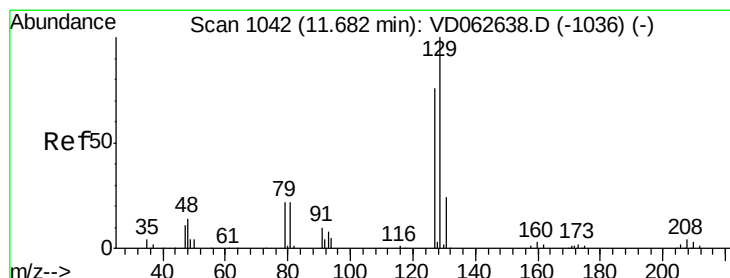
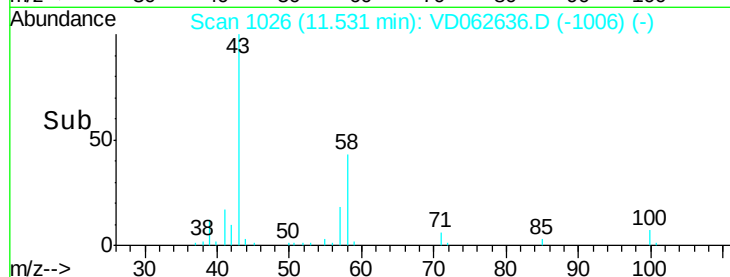
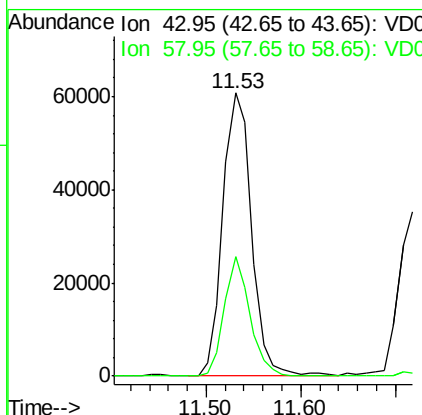
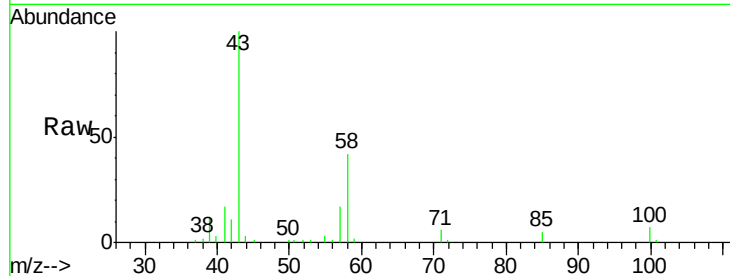




#59
2-Hexanone
Concen: 40.411 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

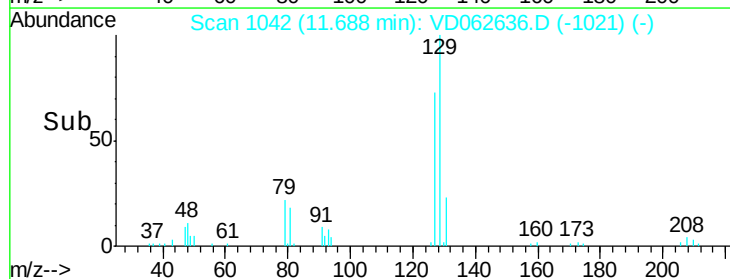
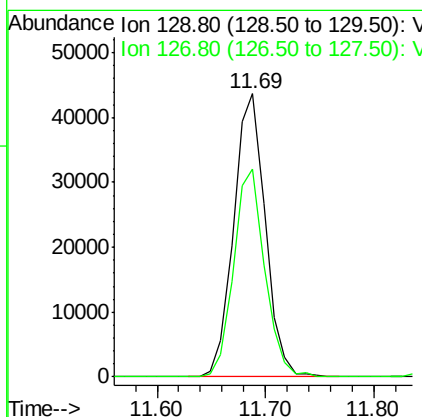
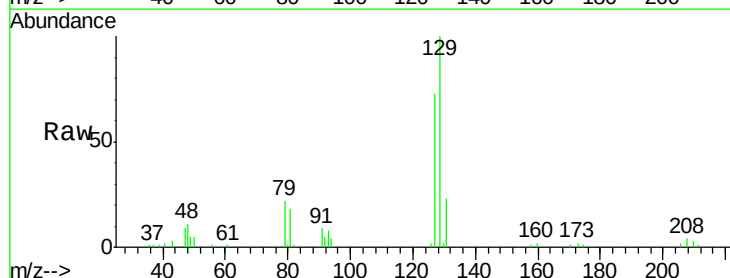
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

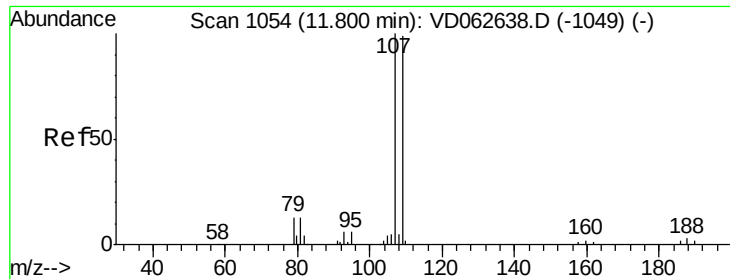
Tot Ion: 43 Resp: 128052
Ion Ratio Lower Upper
43 100
58 42.3 21.8 65.4



#60
Dibromochloromethane
Concen: 8.841 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 129 Resp: 88576
Ion Ratio Lower Upper
129 100
127 73.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 8.836 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

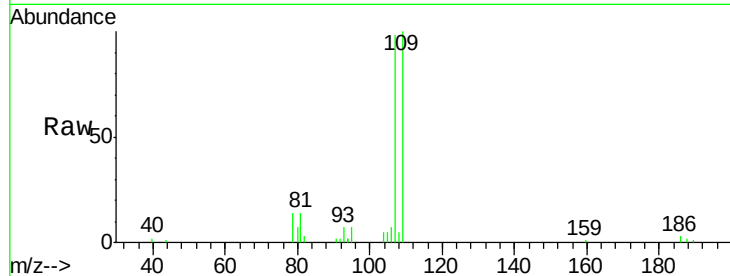
VSTDIC010

Tot Ion:107 Resp: 54052

Ion Ratio Lower Upper

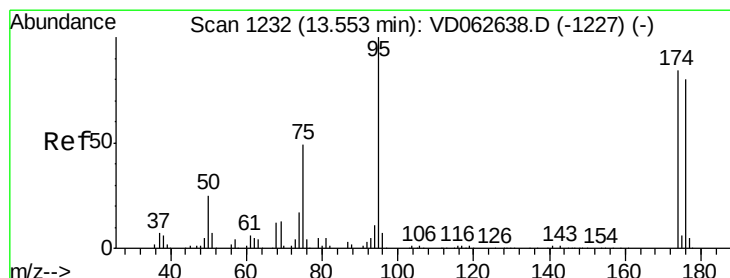
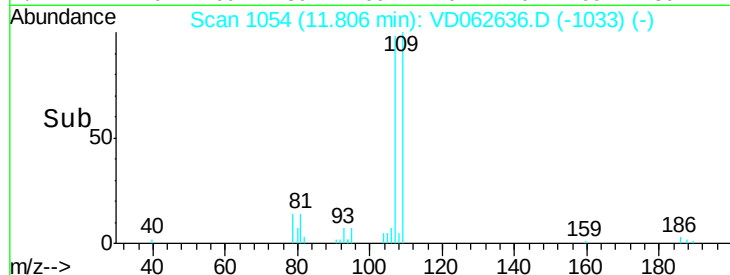
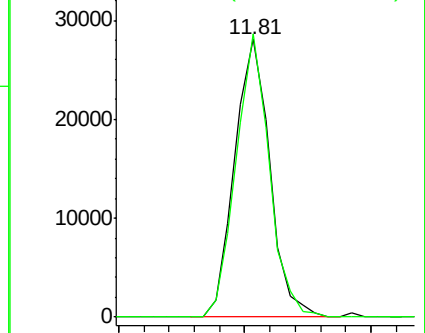
107 100

109 101.9 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 8.475 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

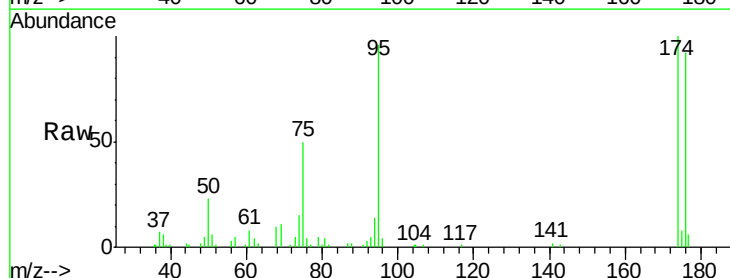
Tgt Ion: 95 Resp: 87827

Ion Ratio Lower Upper

95 100

174 104.5 0.0 167.0

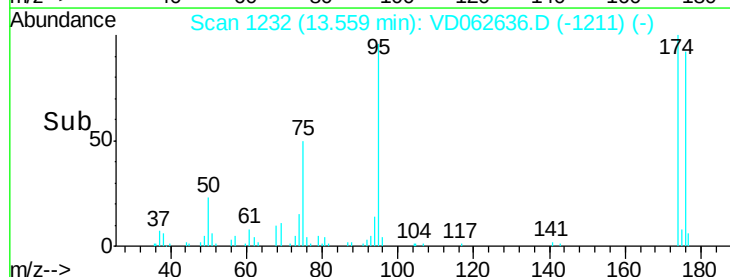
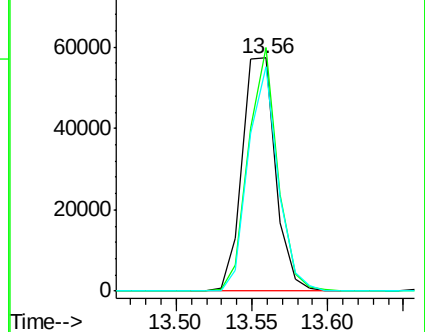
176 96.1 0.0 159.2

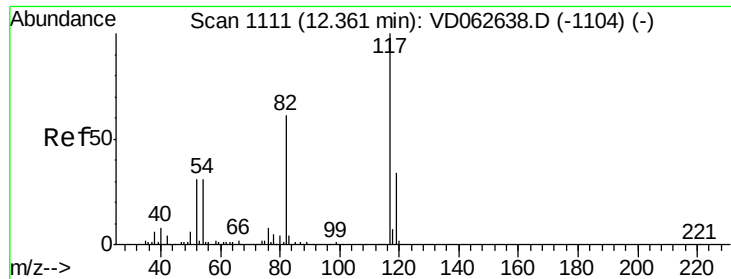


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

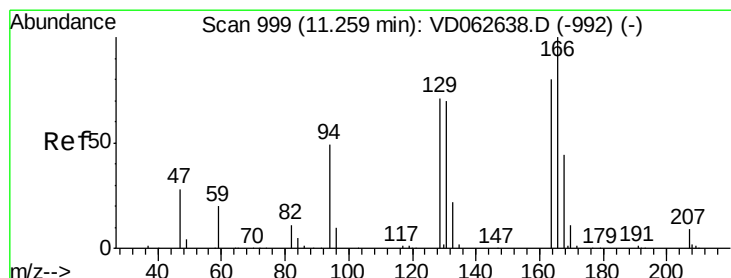
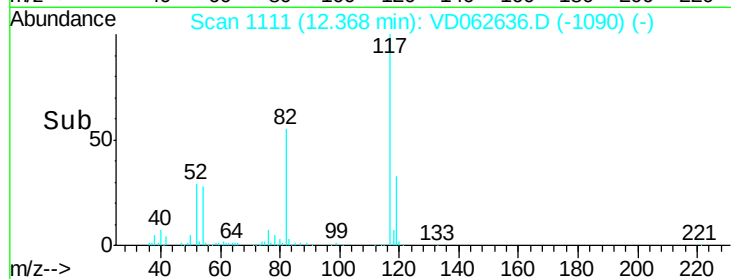
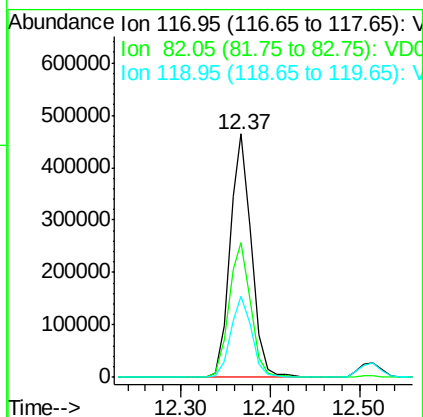
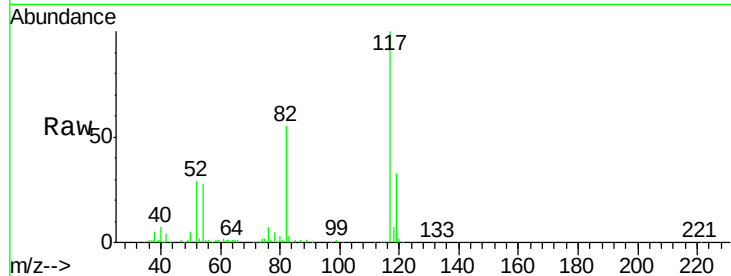




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

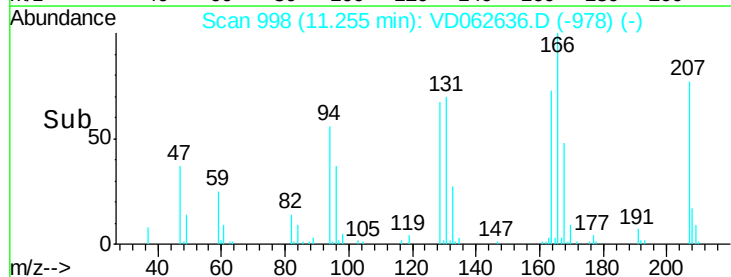
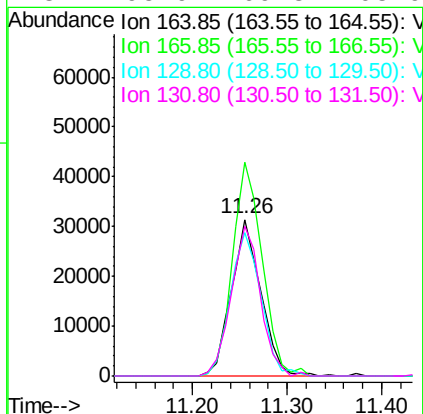
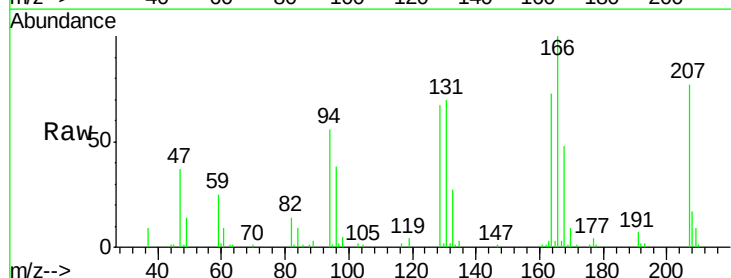
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

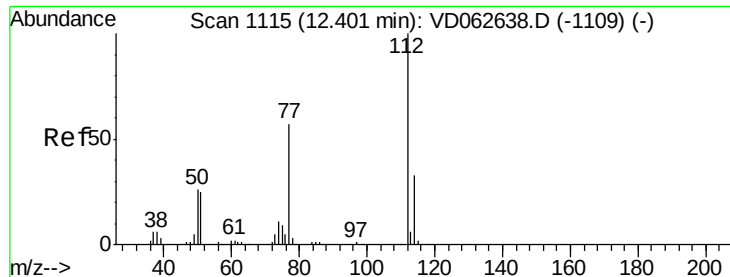
Tot Ion:117 Resp: 780949
Ion Ratio Lower Upper
117 100
82 55.4 48.7 73.1
119 33.3 27.0 40.6



#64
Tetrachloroethene
Concen: 9.179 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:164 Resp: 68054
Ion Ratio Lower Upper
164 100
166 136.6 99.4 149.2
129 91.7 70.2 105.4
131 95.9 69.3 103.9

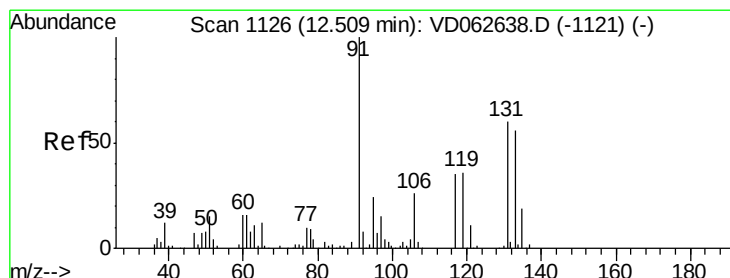
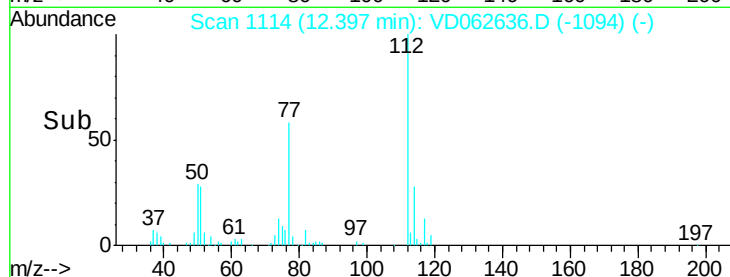
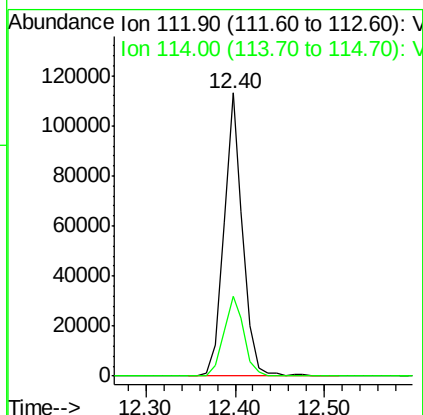
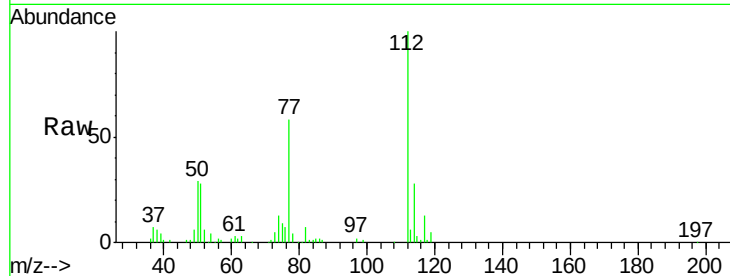




#65
Chlorobenzene
Concen: 9.506 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

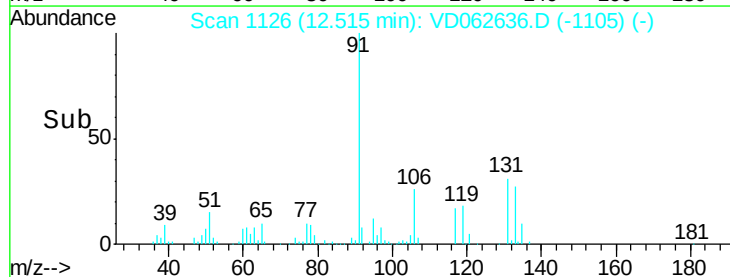
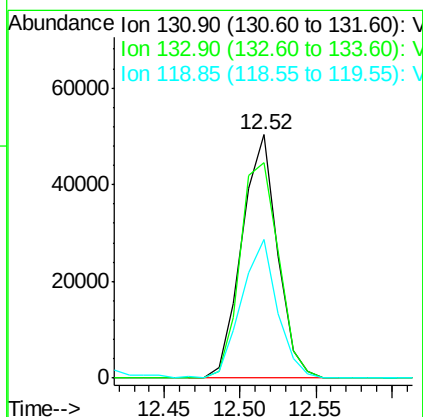
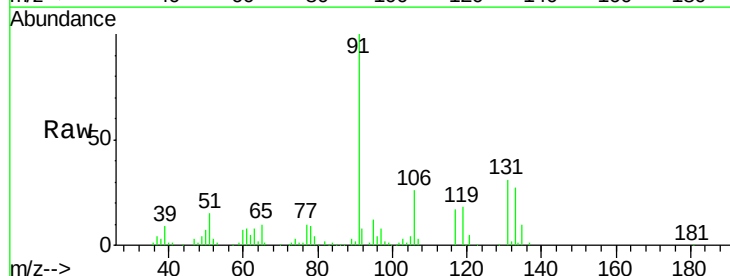
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

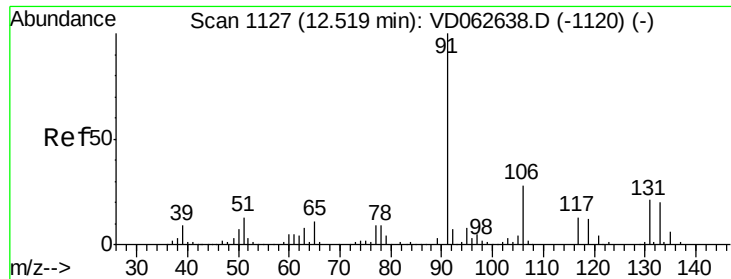
Tot Ion:112 Resp: 166314
Ion Ratio Lower Upper
112 100
114 28.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 9.840 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:131 Resp: 82488
Ion Ratio Lower Upper
131 100
133 88.6 46.8 140.3
119 57.0 29.9 89.8

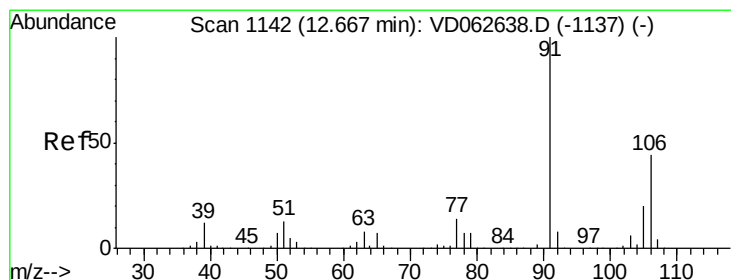
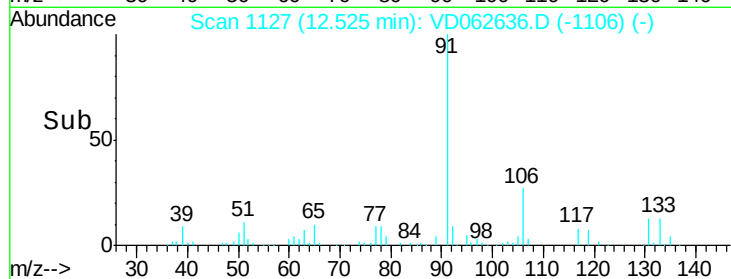
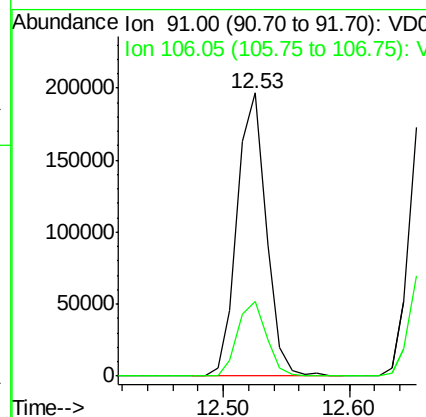
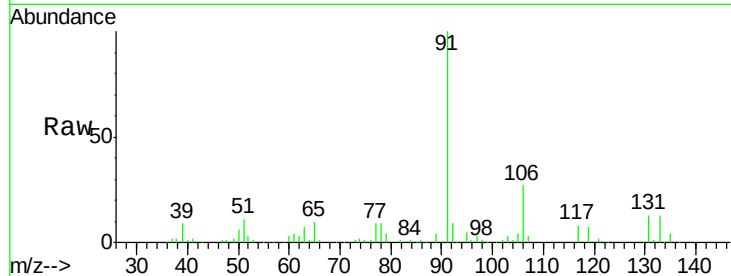




#67
Ethyl Benzene
Concen: 10.030 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

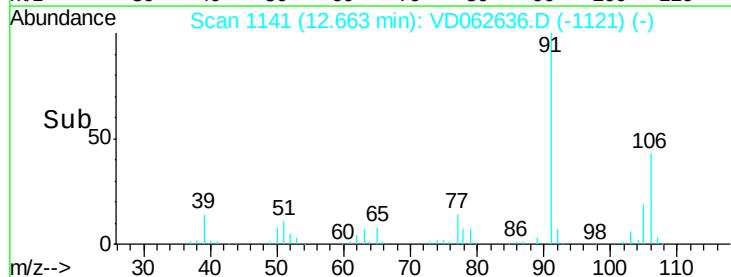
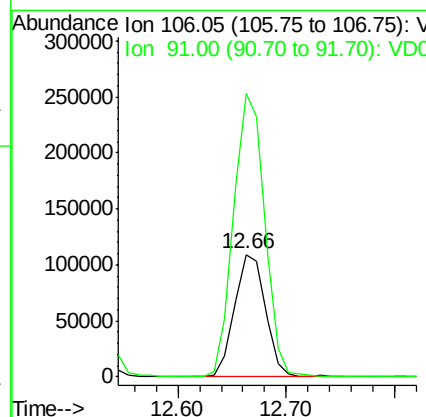
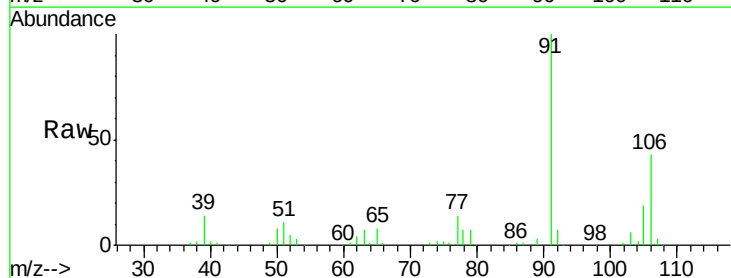
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

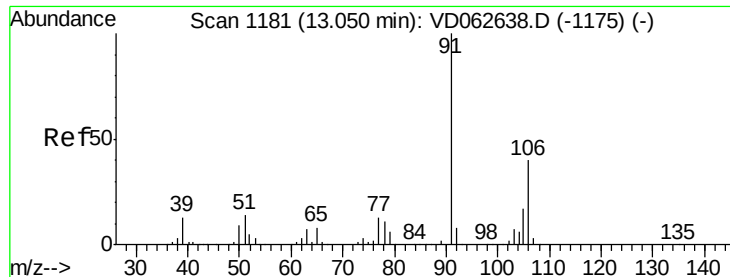
Tot Ion: 91 Resp: 311974
Ion Ratio Lower Upper
91 100
106 26.5 22.1 33.1



#68
m/p-Xylenes
Concen: 19.977 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 106 Resp: 218009
Ion Ratio Lower Upper
106 100
91 231.2 180.2 270.4

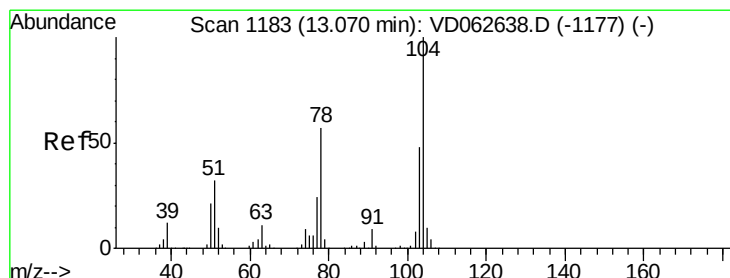
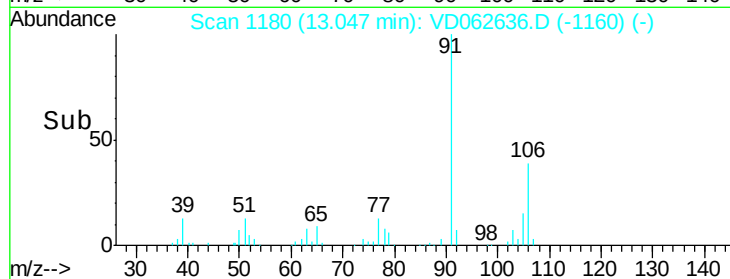
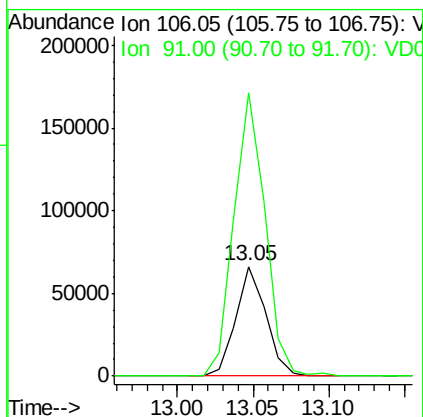
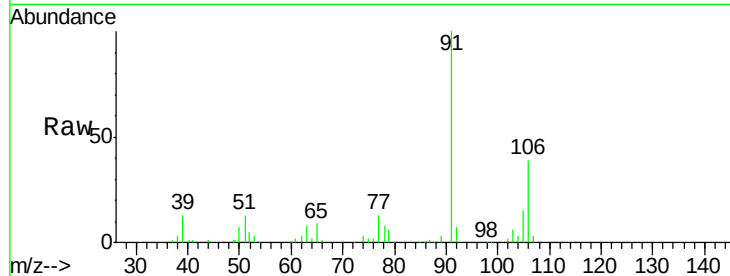




#69
o-Xylene
Concen: 8.924 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

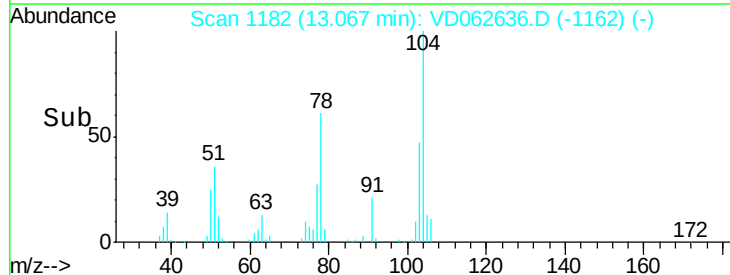
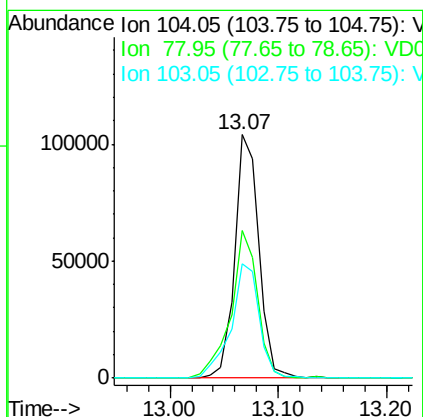
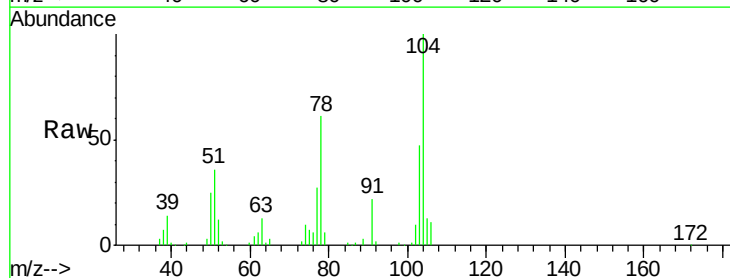
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

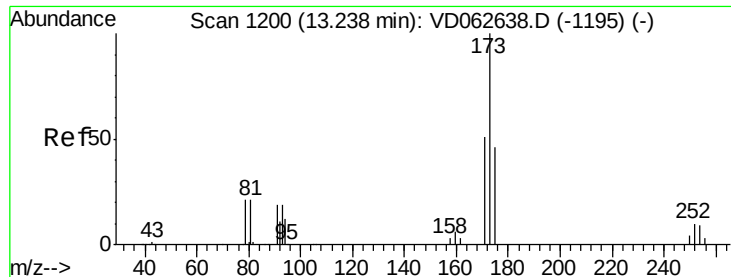
Tot Ion:106 Resp: 91413
Ion Ratio Lower Upper
106 100
91 257.5 124.1 372.1



#70
Styrene
Concen: 8.798 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:104 Resp: 160688
Ion Ratio Lower Upper
104 100
78 60.9 45.9 68.9
103 46.9 38.4 57.6





#71

Bromoform

Concen: 8.909 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

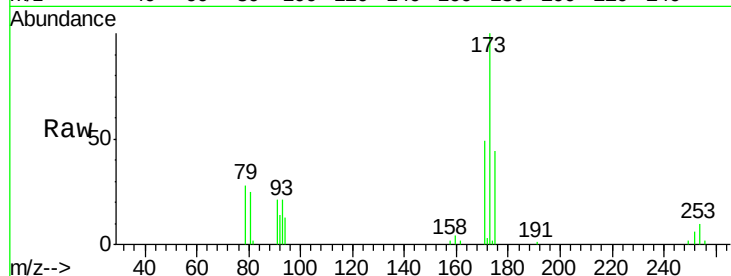
Tot Ion:173 Resp: 51911

Ion Ratio Lower Upper

173 100

175 43.7 22.9 68.7

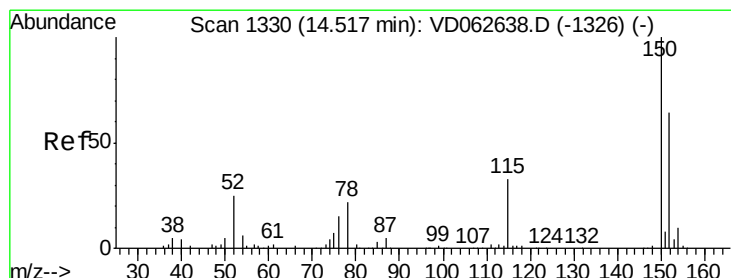
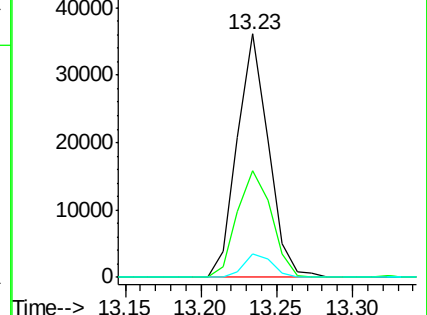
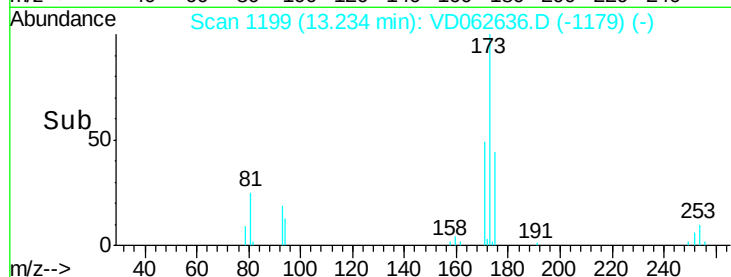
254 9.9 7.0 10.4



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

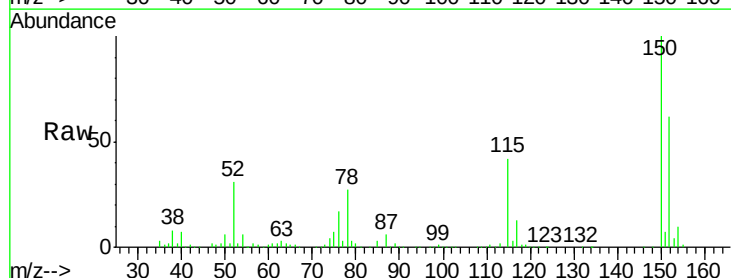
Tgt Ion:152 Resp: 455428

Ion Ratio Lower Upper

152 100

115 66.4 30.1 90.5

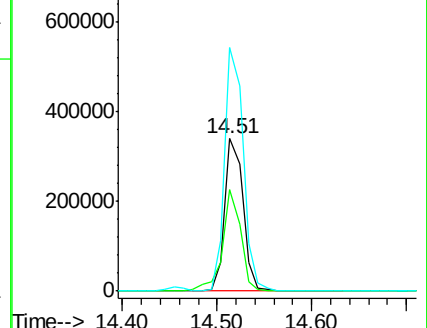
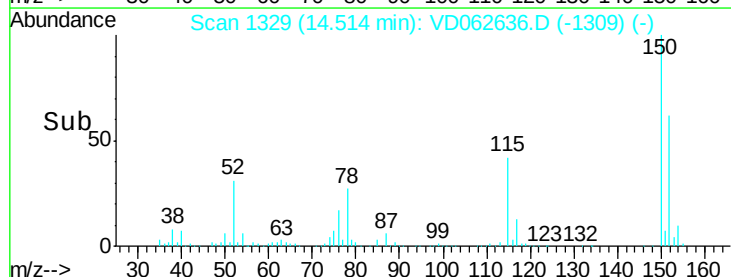
150 160.1 0.0 314.0

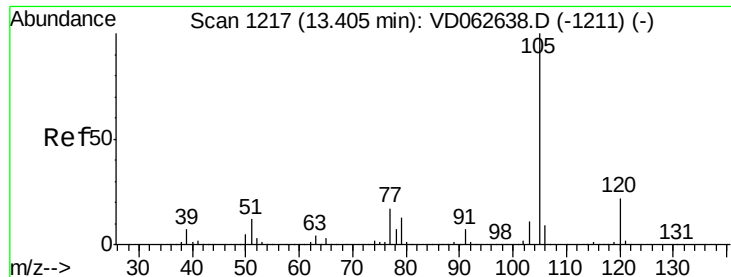


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.976 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

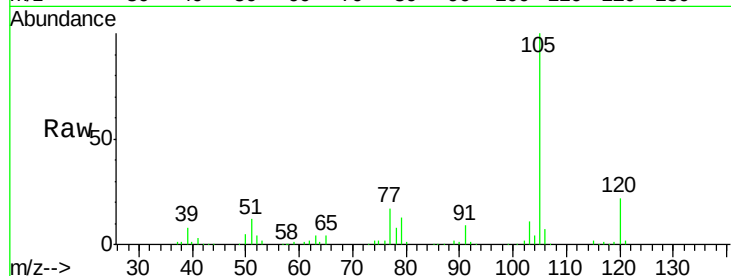
VSTDIC010

Tot Ion:105 Resp: 297666

Ion Ratio Lower Upper

105 100

120 21.8 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

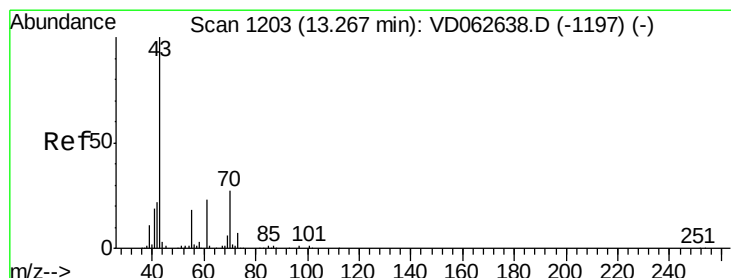
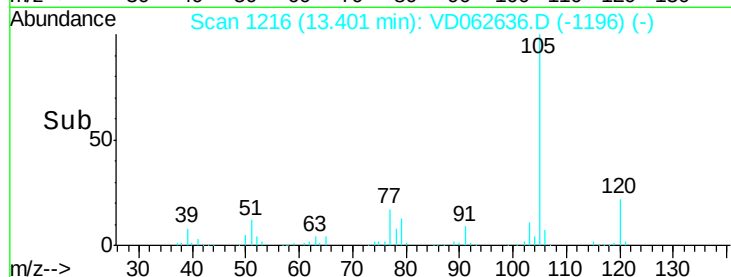
50000

0

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 8.390 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Tgt Ion: 43 Resp: 74909

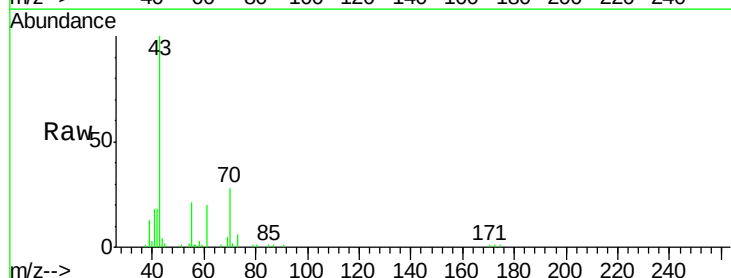
Ion Ratio Lower Upper

43 100

70 27.8 21.8 32.8

55 20.9 14.6 21.8

61 19.7 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

80000

60000

40000

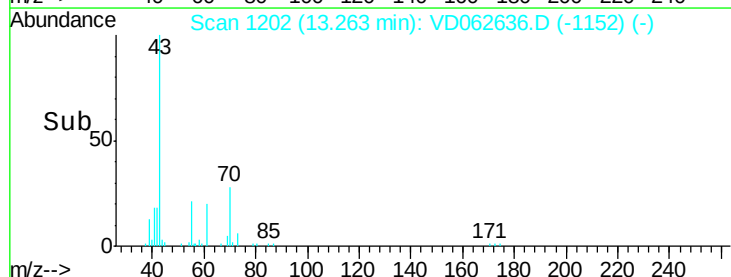
20000

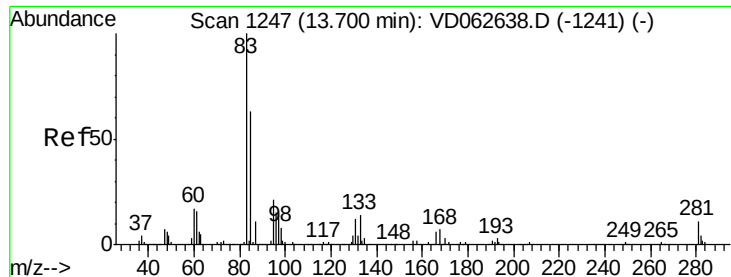
0

13.26

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 8.566 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

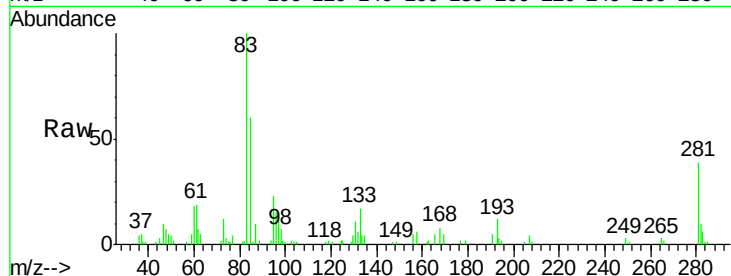
Tot Ion: 83 Resp: 48061

Ion Ratio Lower Upper

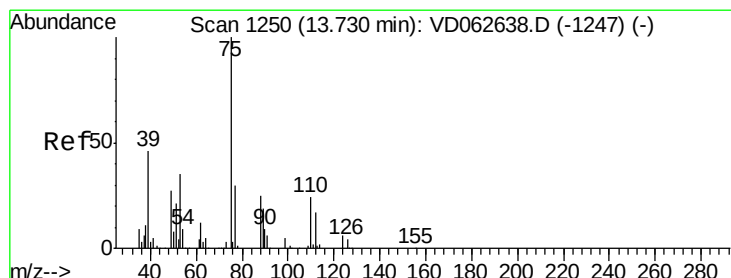
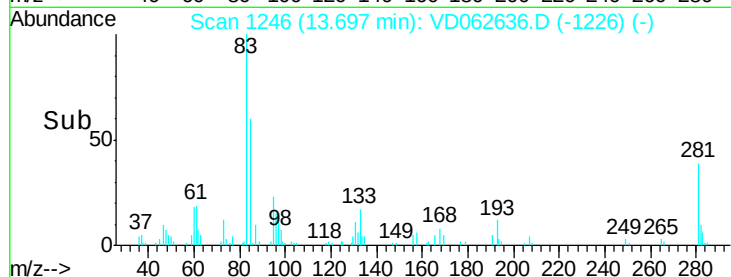
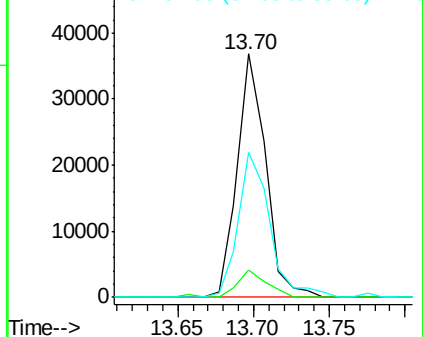
83 100

131 11.2 5.9 17.7

85 59.7 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: 8.404 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062636.D

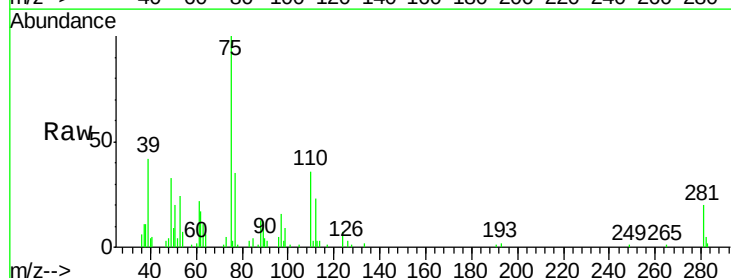
Acq: 7 Jun 2019 11:20

Tgt Ion: 75 Resp: 52804

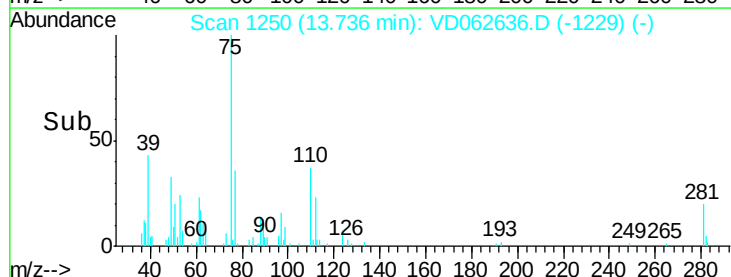
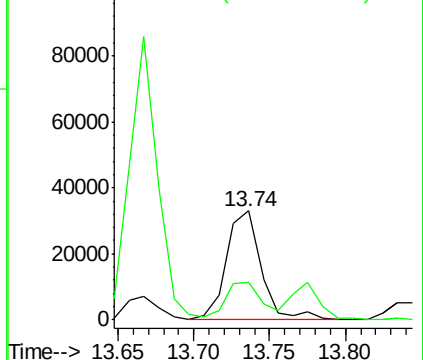
Ion Ratio Lower Upper

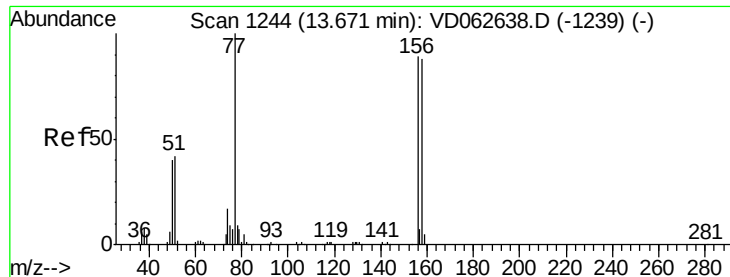
75 100

77 35.2 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: 9.231 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

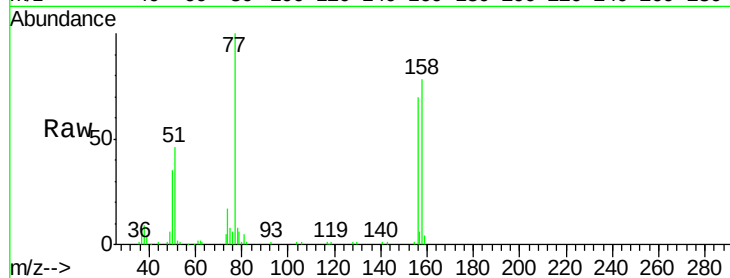
Tot Ion:156 Resp: 86125

Ion Ratio Lower Upper

156 100

77 142.7 56.3 168.8

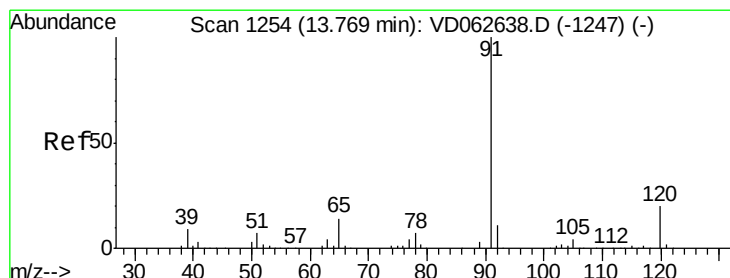
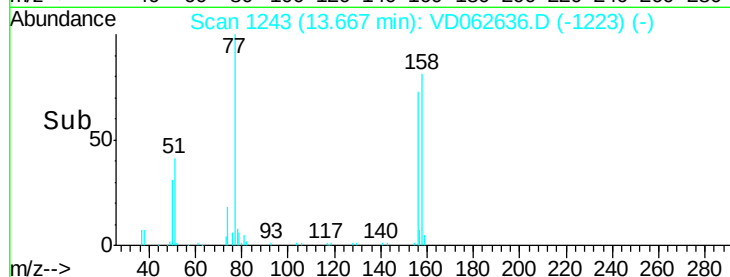
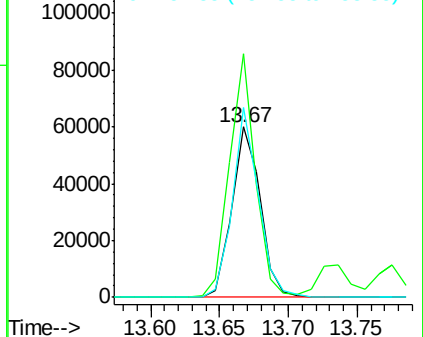
158 111.0 49.6 148.8



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: 9.351 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062636.D

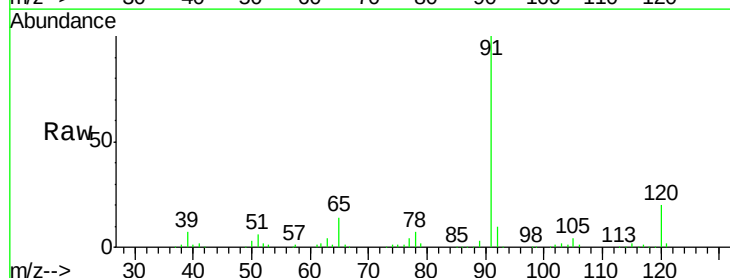
Acq: 7 Jun 2019 11:20

Tgt Ion: 91 Resp: 375376

Ion Ratio Lower Upper

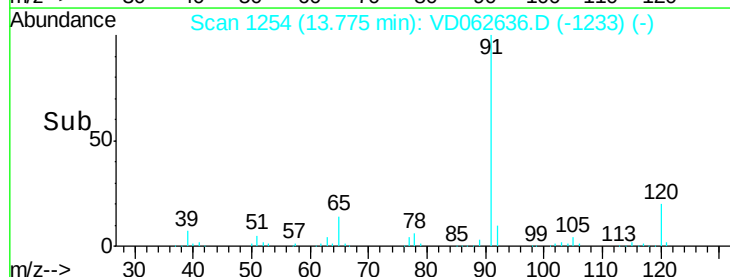
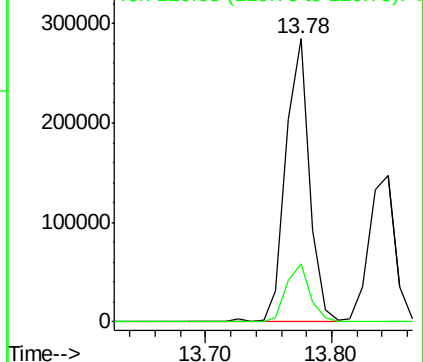
91 100

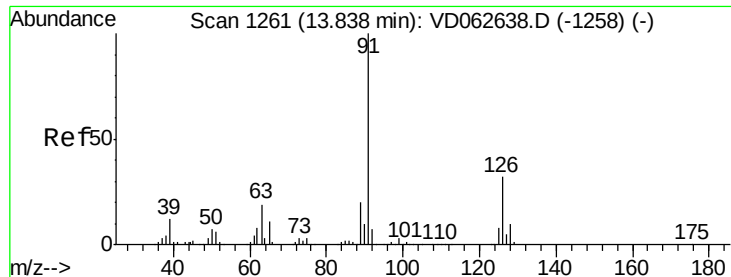
120 20.3 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 8.953 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

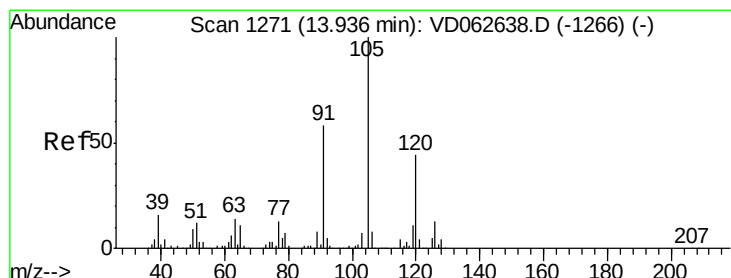
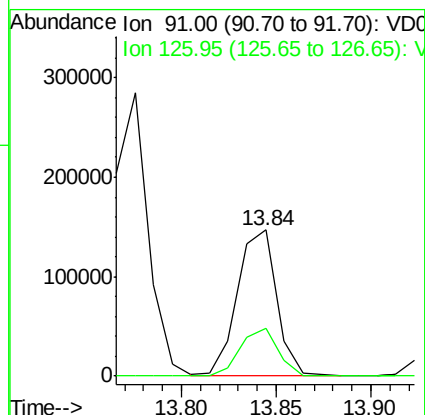
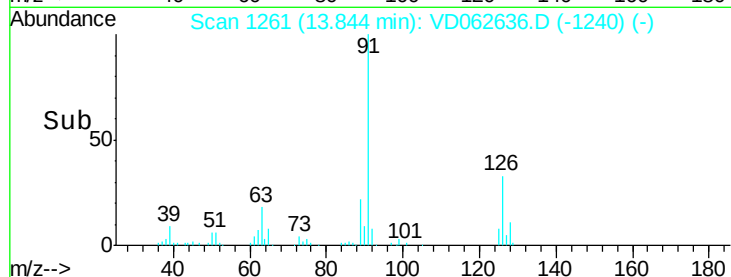
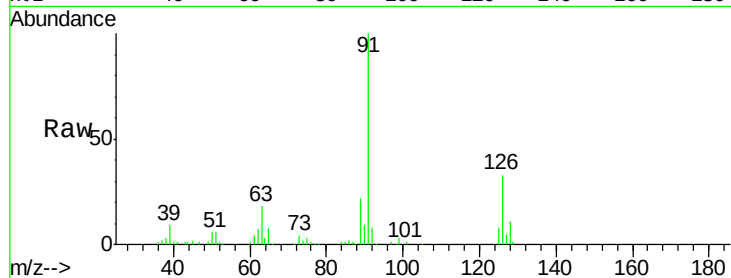
VSTDIC010

Tot Ion: 91 Resp: 209691

Ion Ratio Lower Upper

91 100

126 32.9 15.8 47.4



#80

1,3,5-Trimethylbenzene

Concen: 8.798 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062636.D

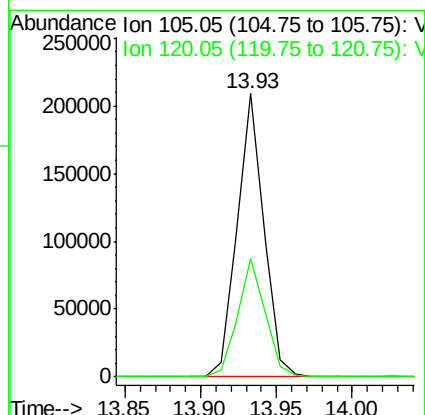
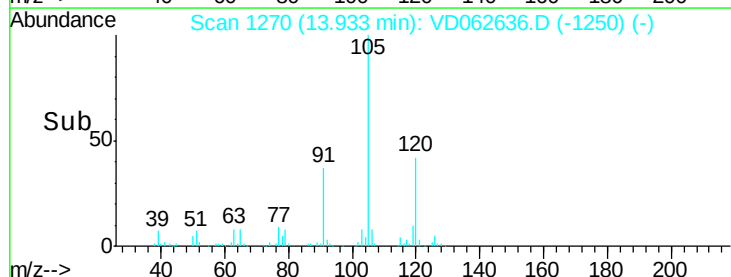
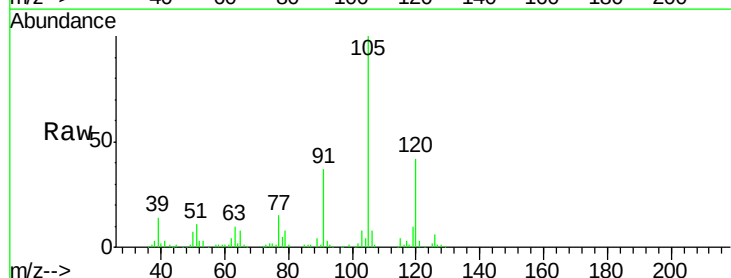
Acq: 7 Jun 2019 11:20

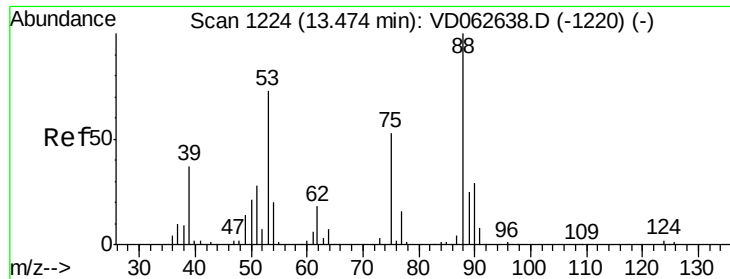
Tgt Ion: 105 Resp: 254638

Ion Ratio Lower Upper

105 100

120 41.7 22.1 66.5





#81

trans-1,4-Dichloro-2-butene

Concen: 8.343 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

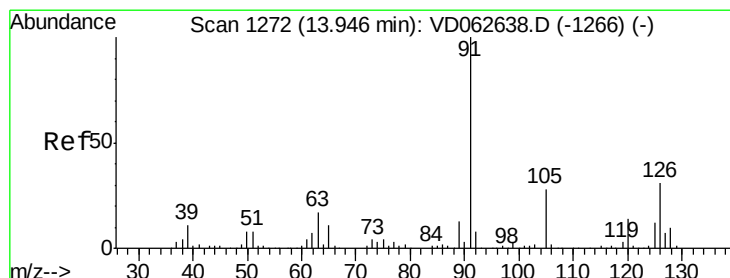
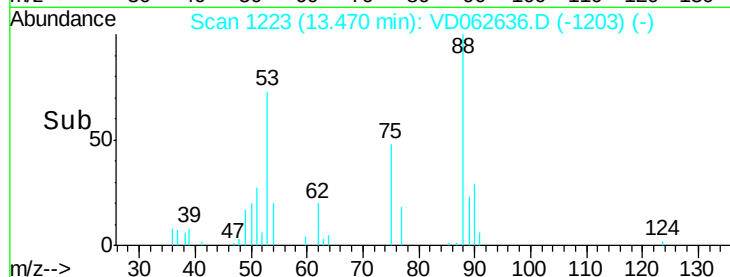
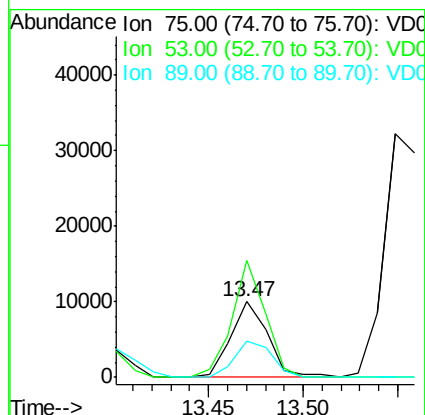
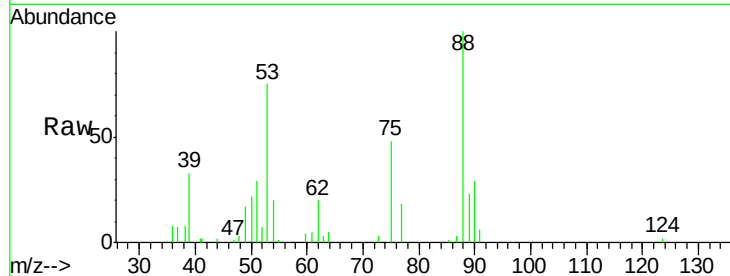
Tot Ion: 75 Resp: 13504

Ion Ratio Lower Upper

75 100

53 155.5 109.4 164.2

89 48.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 9.265 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062636.D

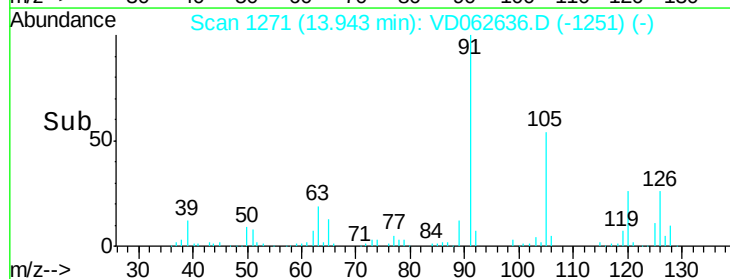
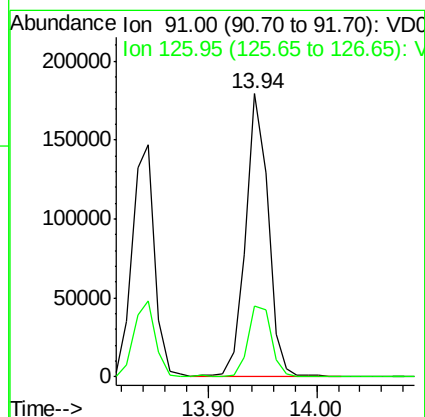
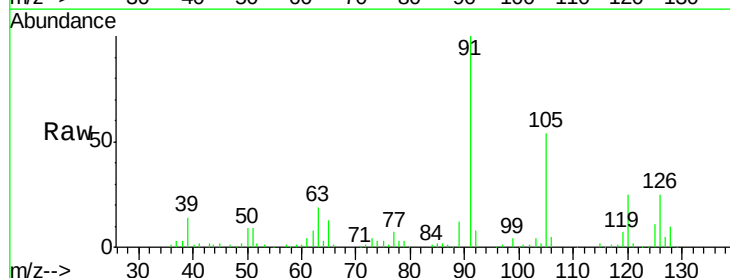
Acq: 7 Jun 2019 11:20

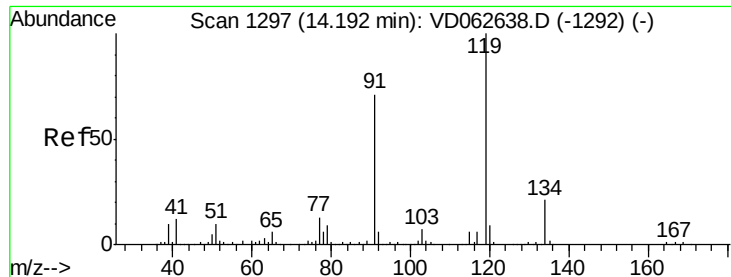
Tgt Ion: 91 Resp: 261068

Ion Ratio Lower Upper

91 100

126 25.2 15.6 46.8

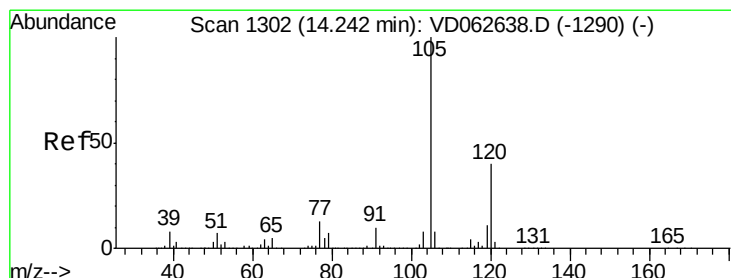
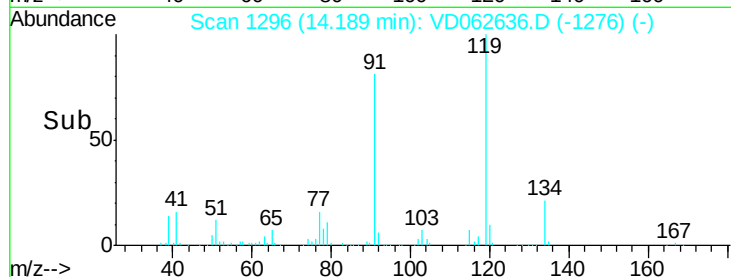
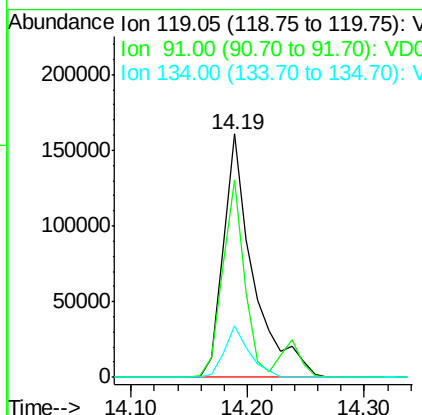
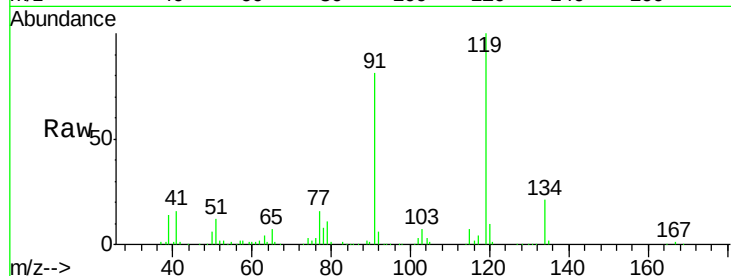




#83
 tert-Butylbenzene
 Concen: 8.815 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

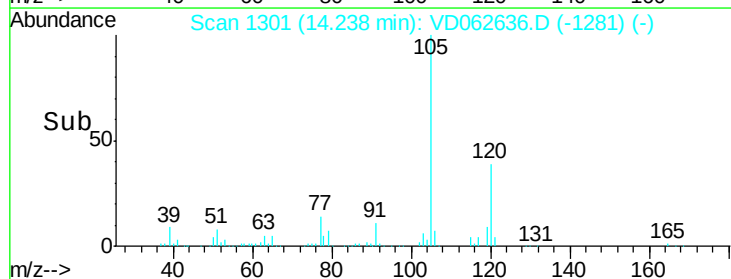
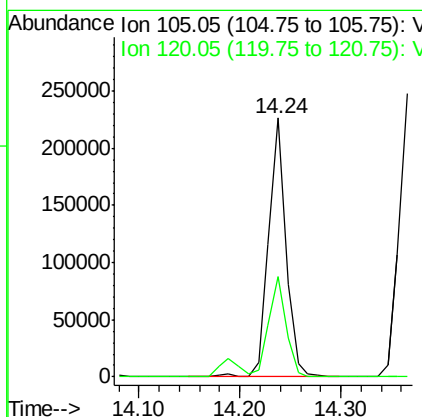
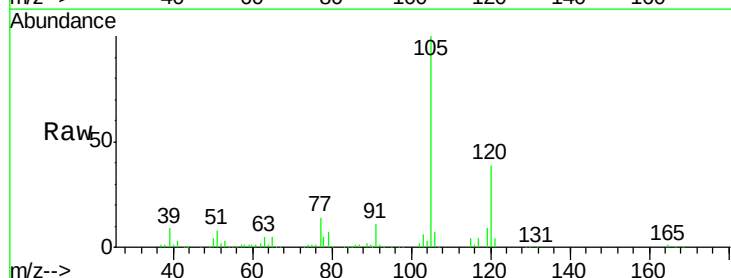
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

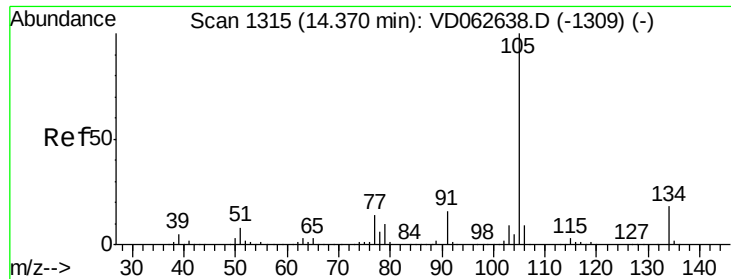
Tot Ion:119 Resp: 284631
 Ion Ratio Lower Upper
 119 100
 91 81.1 35.4 106.1
 134 21.4 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 9.278 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion:105 Resp: 269782
 Ion Ratio Lower Upper
 105 100
 120 38.7 20.3 60.8

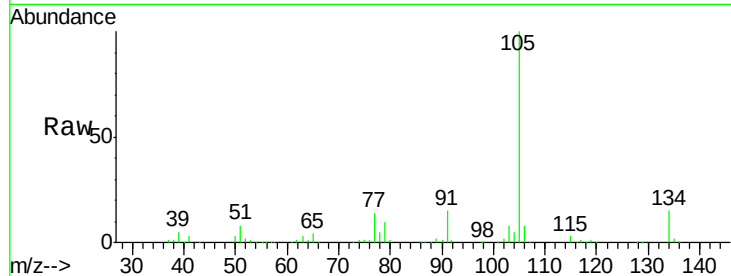




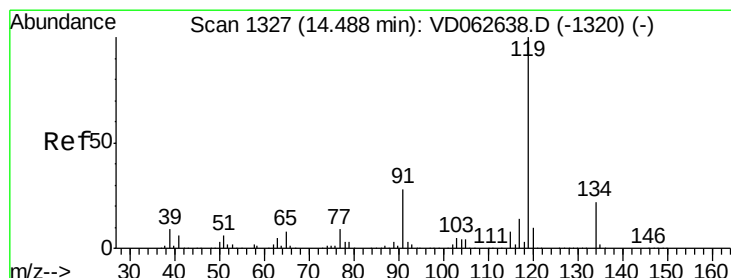
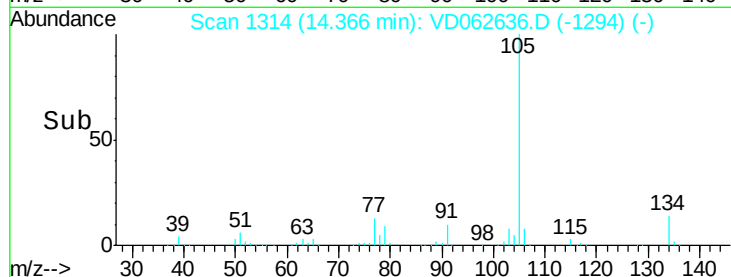
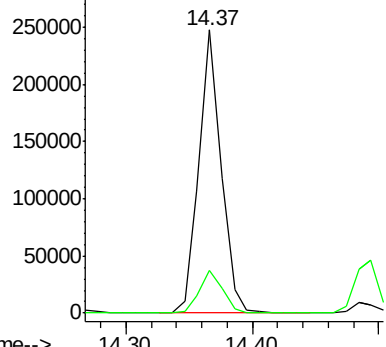
#85
 sec-Butylbenzene
 Concen: 8.965 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:105 Resp: 301042
 Ion Ratio Lower Upper
 105 100
 134 15.0 8.8 26.2

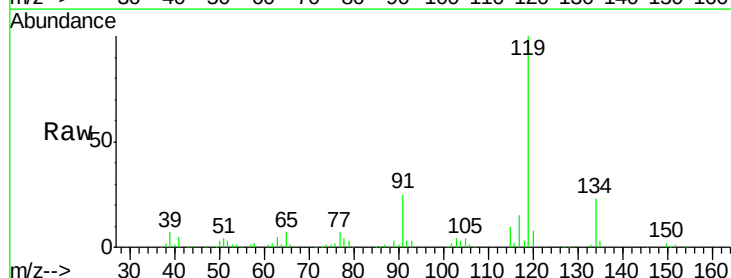


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

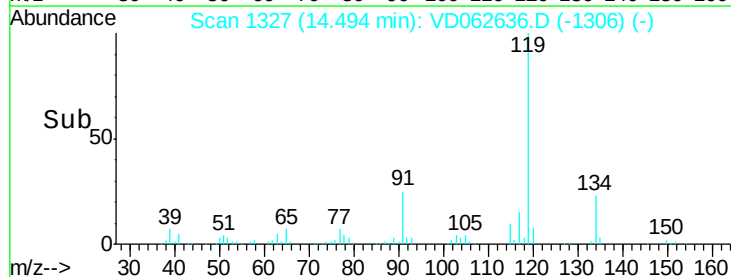
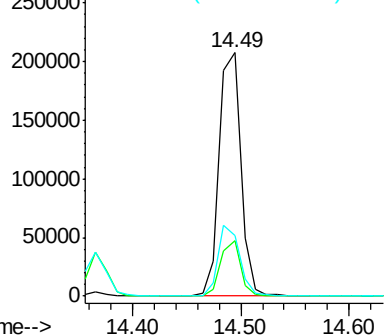


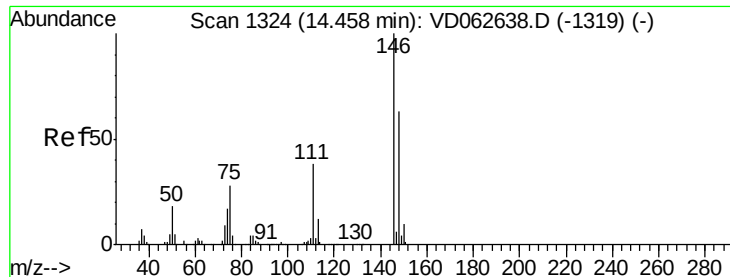
#86
 p-Isopropyltoluene
 Concen: 8.892 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion:119 Resp: 289695
 Ion Ratio Lower Upper
 119 100
 134 22.5 10.9 32.6
 91 25.0 13.9 41.6



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

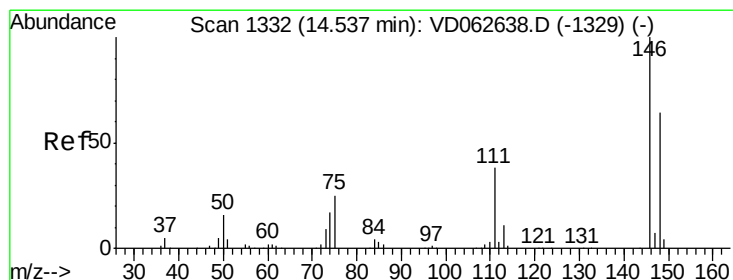
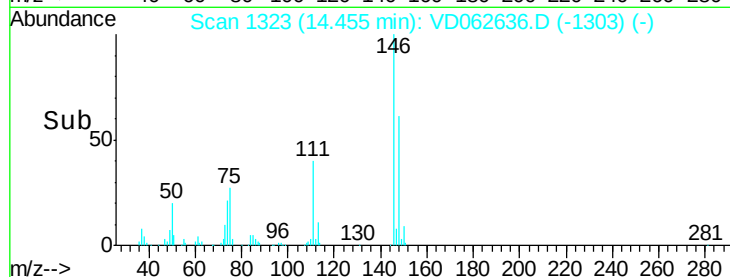
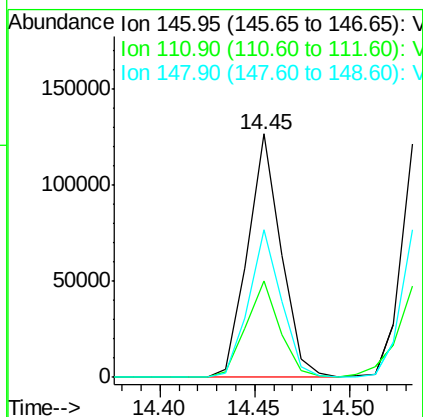
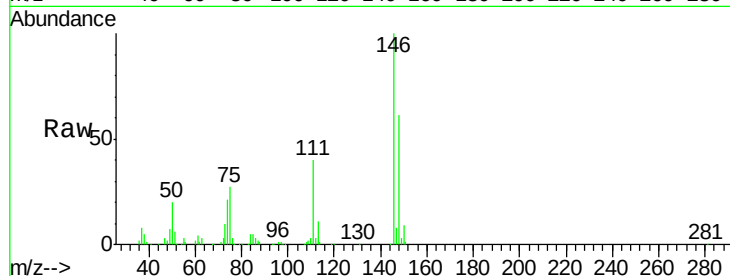




#87
 1,3-Dichlorobenzene
 Concen: 9.038 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

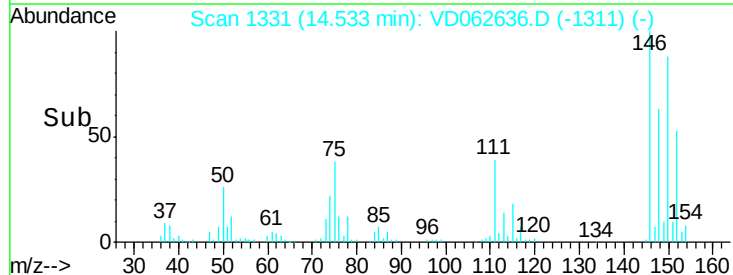
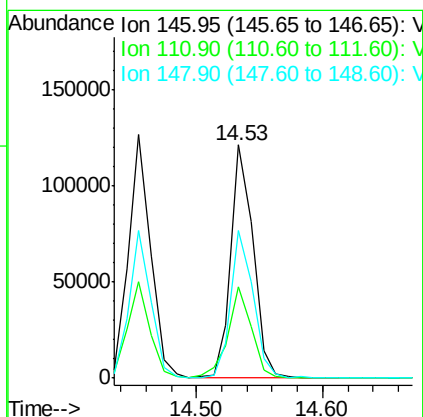
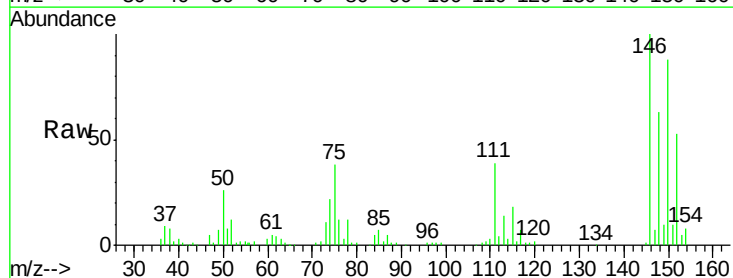
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

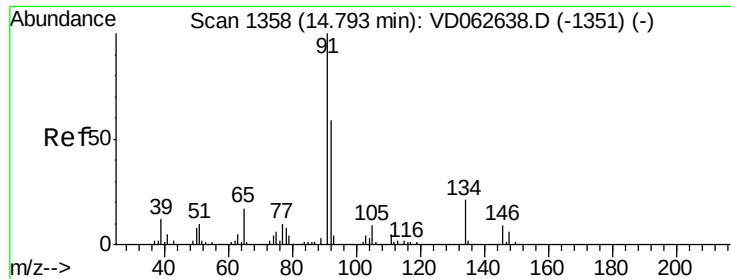
Tot Ion:146 Resp: 155985
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.2 57.6
 148 60.8 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 9.125 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion:146 Resp: 147915
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.9 56.7
 148 63.4 32.3 96.8

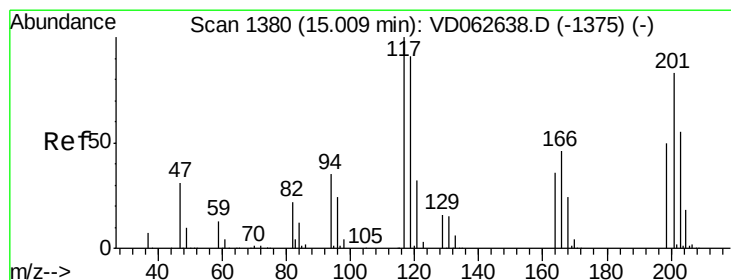
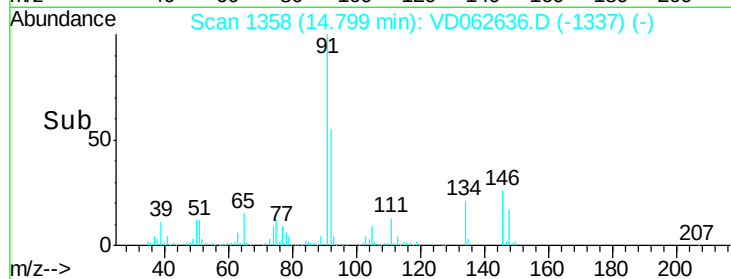
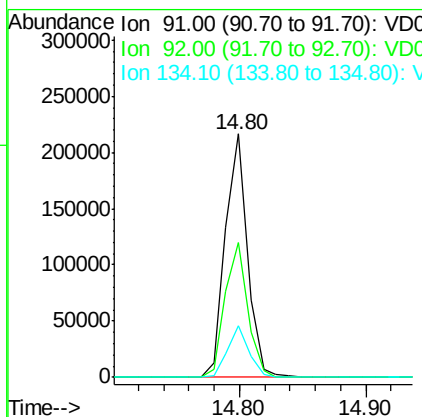
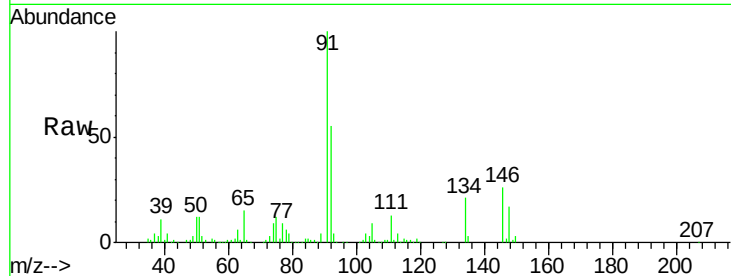




#89
n-Butylbenzene
Concen: 8.859 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

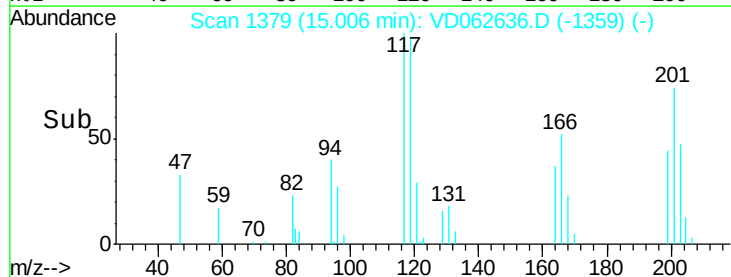
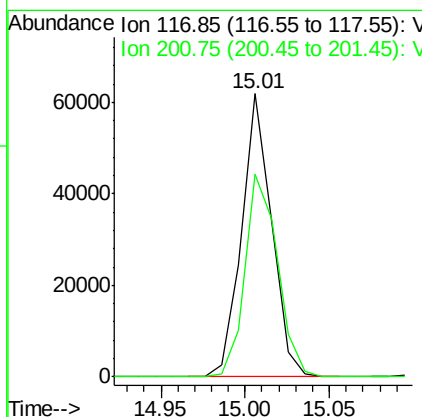
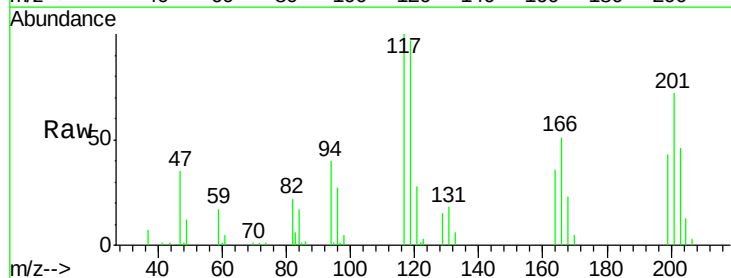
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

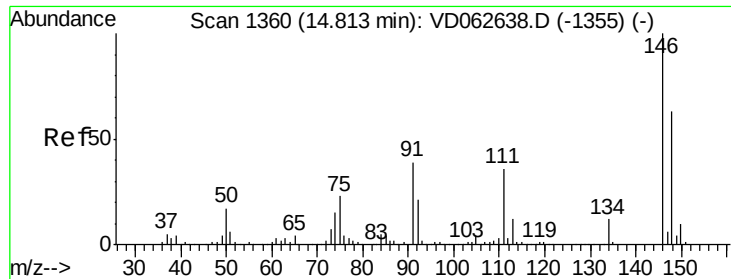
Tot Ion: 91 Resp: 262972
Ion Ratio Lower Upper
91 100
92 55.3 29.4 88.3
134 21.1 10.4 31.2



#90
Hexachloroethane
Concen: 8.876 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 117 Resp: 76171
Ion Ratio Lower Upper
117 100
201 71.7 41.5 124.6

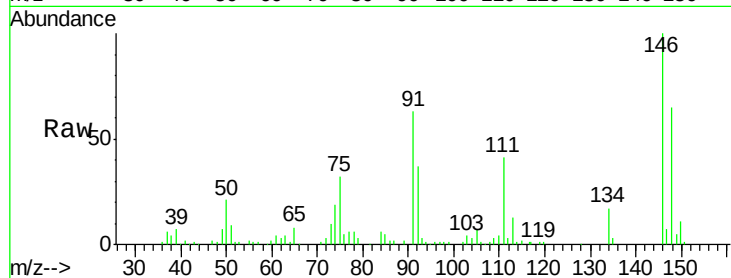




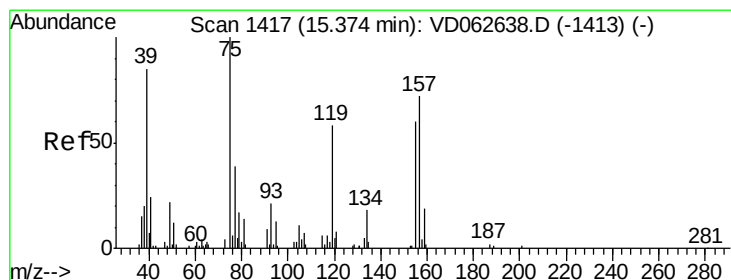
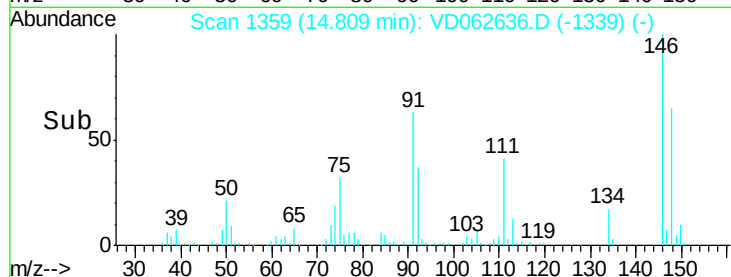
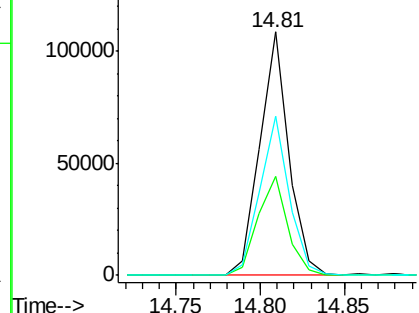
#91
 1,2-Dichlorobenzene
 Concen: 9.131 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 129507
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.3
 148 65.4 31.4 94.0

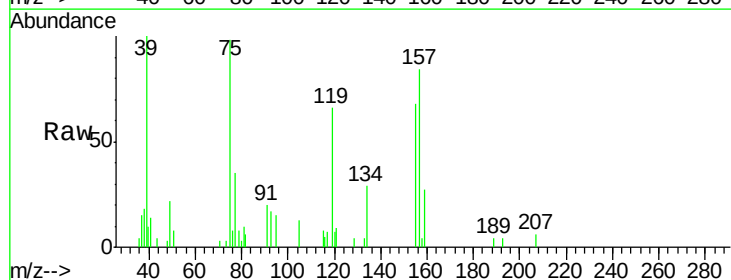


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

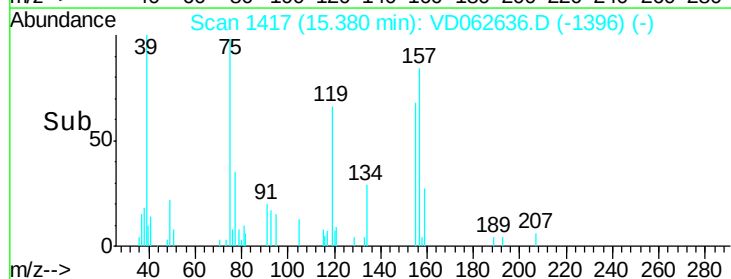
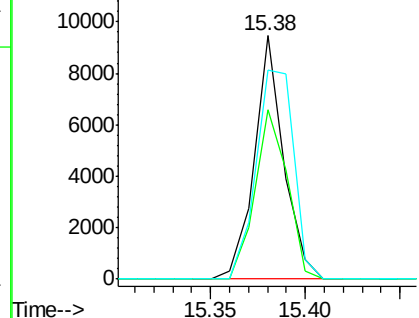


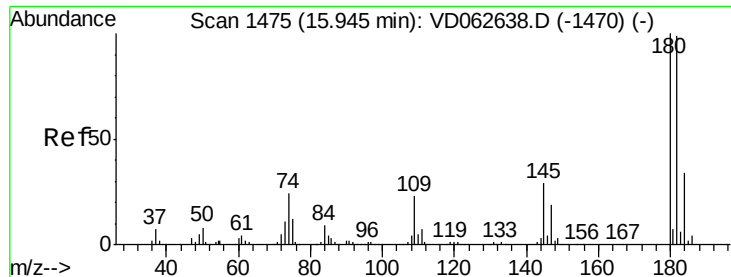
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.188 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion: 75 Resp: 10145
 Ion Ratio Lower Upper
 75 100
 155 69.5 30.1 90.5
 157 85.7 35.9 107.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

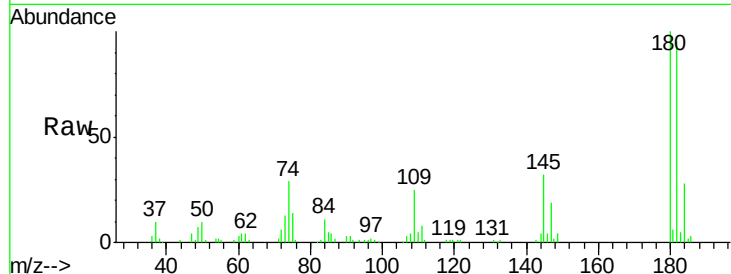




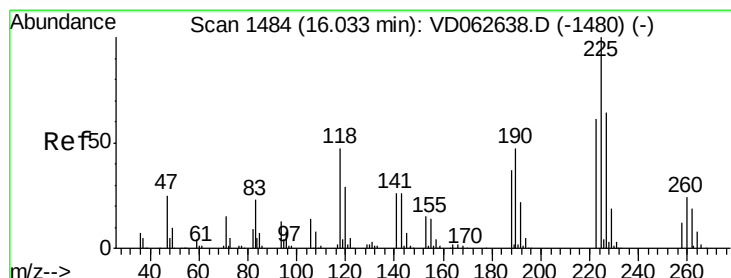
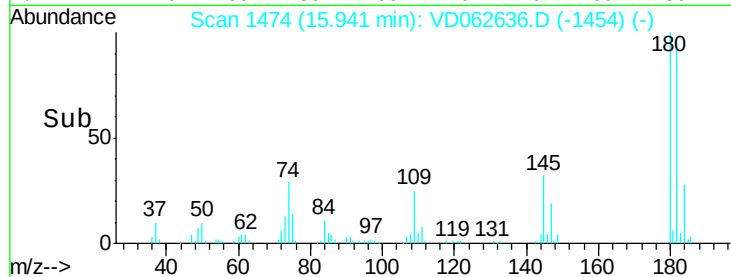
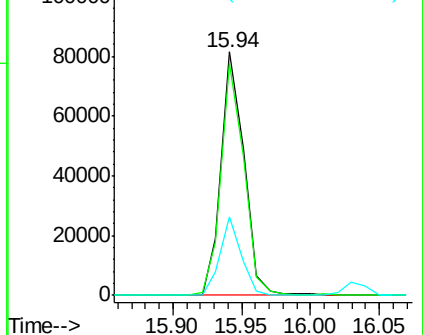
#93
 1,2,4-Trichlorobenzene
 Concen: 8.726 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 93898
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.4 148.2
 145 32.1 14.5 43.6

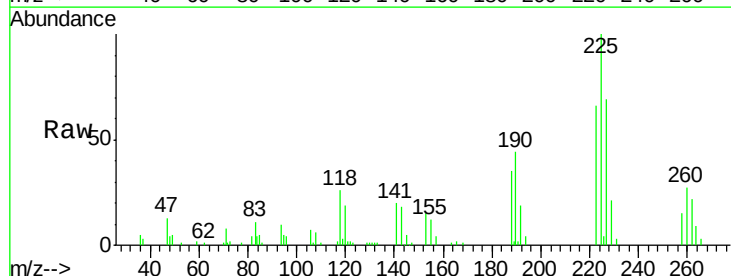


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

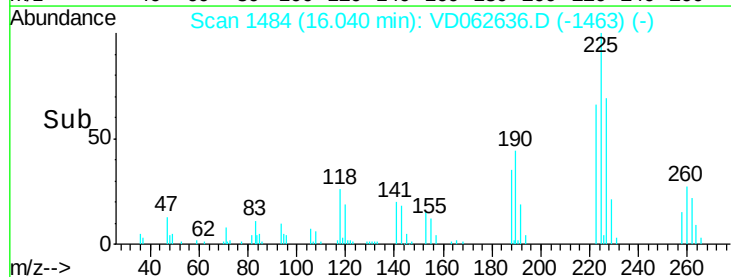
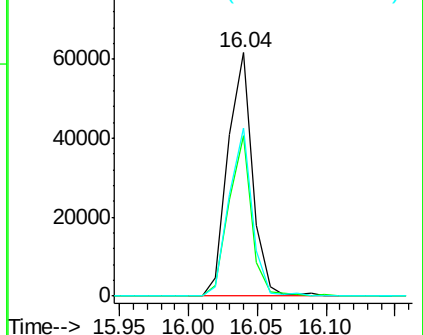


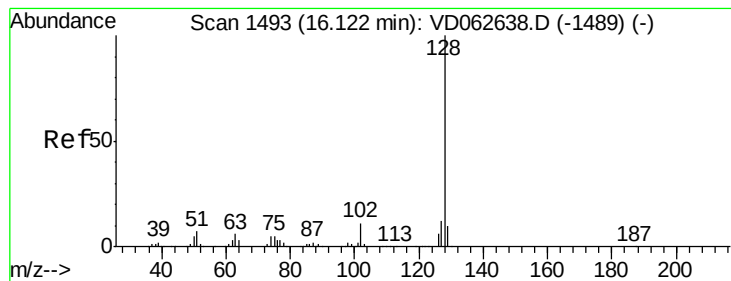
#94
 Hexachlorobutadiene
 Concen: 8.965 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion:225 Resp: 76175
 Ion Ratio Lower Upper
 225 100
 223 66.1 30.3 91.0
 227 69.0 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: 8.173 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

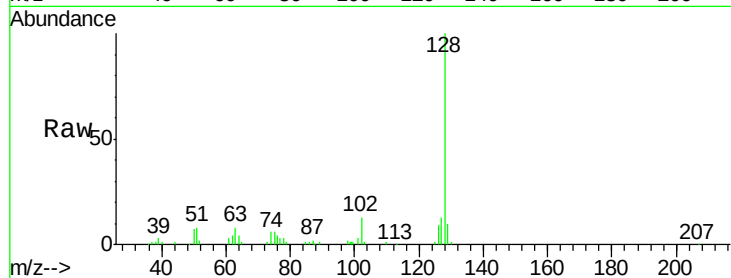
Tot Ion:128 Resp: 122177

Ion Ratio Lower Upper

128 100

127 12.7 9.7 14.5

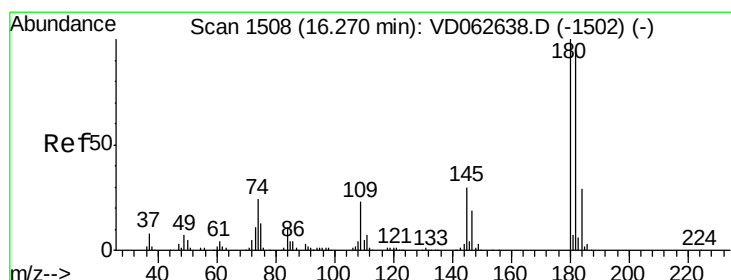
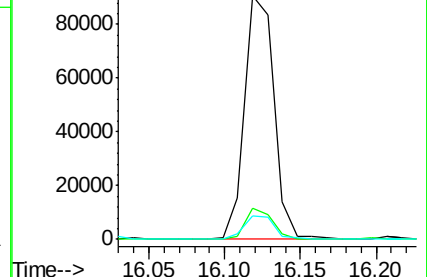
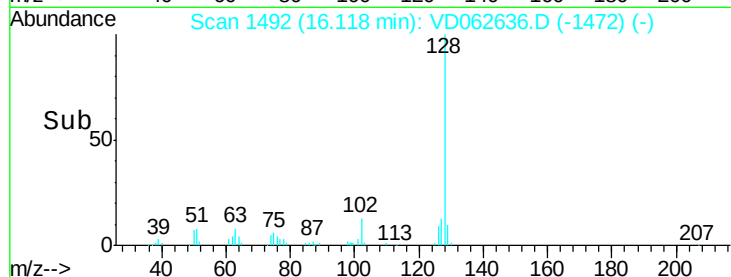
129 9.9 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 7.831 ug/l

RT: 16.27 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

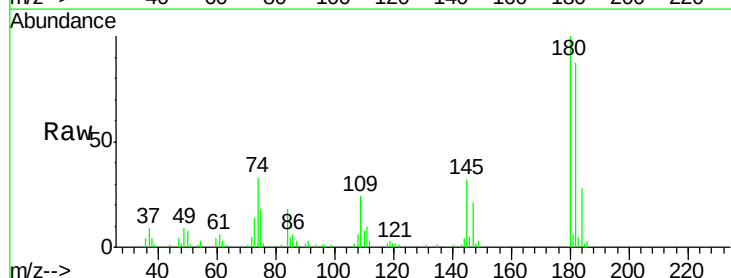
Tgt Ion:180 Resp: 63840

Ion Ratio Lower Upper

180 100

182 87.2 47.7 143.1

145 32.2 15.0 45.0



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

