

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062628.D
 Acq On : 6 Jun 2019 16:53
 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 04:12:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	733735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	950881	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	770072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	441618	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	90715	9.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.10%	
35) Dibromofluoromethane	6.94	113	87770	9.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.10%	
50) Toluene-d8	10.42	98	186310	8.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.62%	
62) 4-Bromofluorobenzene	13.56	95	95356	9.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	91223	10.099	ug/l 96
3) Chloromethane	1.75	50	68799	9.793	ug/l 96
4) Vinyl Chloride	1.86	62	65913	9.519	ug/l 97
5) Bromomethane	2.16	94	34144	9.740	ug/l 98
6) Chloroethane	2.27	64	29409	8.252	ug/l # 85
7) Trichlorofluoromethane	2.54	101	156530	10.201	ug/l 98
8) Diethyl Ether	2.88	74	19585	9.943	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	80041	9.185	ug/l 96
10) Methyl Iodide	3.31	142	80503	7.413	ug/l 92
11) Tert butyl alcohol	4.09	59	21710	49.783	ug/l 95
12) 1,1-Dichloroethene	3.14	96	58931	9.375	ug/l 87
13) Acrolein	3.03	56	5225	33.130	ug/l 88
14) Allyl chloride	3.63	41	81184	8.480	ug/l 89
15) Acrylonitrile	4.21	53	38662	39.888	ug/l # 80
16) Acetone	3.24	43	83905	46.333	ug/l # 91
17) Carbon Disulfide	3.38	76	153459	8.367	ug/l 95
18) Methyl Acetate	3.65	43	24436	7.720	ug/l 99
19) Methyl tert-butyl Ether	4.26	73	120058	7.803	ug/l 97
20) Methylene Chloride	3.83	84	57674	8.351	ug/l # 86
21) trans-1,2-Dichloroethene	4.23	96	53688	7.749	ug/l 97
22) Diisopropyl ether	5.14	45	161314	8.014	ug/l # 92
23) Vinyl Acetate	5.07	43	514911	41.582	ug/l 98
24) 1,1-Dichloroethane	5.00	63	111043	8.670	ug/l # 96
25) 2-Butanone	6.08	43	73370	43.592	ug/l 98
26) 2,2-Dichloropropane	6.03	77	136281	9.741	ug/l 98
27) cis-1,2-Dichloroethene	6.05	96	60789	8.287	ug/l 98
28) Bromochloromethane	6.45	49	38205	7.826	ug/l 95
29) Tetrahydrofuran	6.47	42	32555	41.468	ug/l 97
30) Chloroform	6.68	83	146311	9.126	ug/l 91
31) Cyclohexane	6.97	56	65864	7.999	ug/l 93
32) 1,1,1-Trichloroethane	6.89	97	154302	9.480	ug/l 98
36) 1,1-Dichloropropene	7.16	75	97080	9.431	ug/l 99
37) Ethyl Acetate	6.20	43	39325	9.533	ug/l # 89
38) Carbon Tetrachloride	7.12	117	157550	10.273	ug/l 92

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	75220	8.722	ug/l	95
40) Benzene	7.47	78	168265	8.467	ug/l	100
41) Methacrylonitrile	6.47	41	50399	9.538	ug/l #	97
42) 1,2-Dichloroethane	7.59	62	112617	9.486	ug/l	99
43) Isopropyl Acetate	9.25	43	51150	9.122	ug/l #	94
44) Trichloroethene	8.55	130	73677	8.984	ug/l	98
45) 1,2-Dichloropropane	8.95	63	45680	9.244	ug/l #	85
46) Dibromomethane	9.07	93	36981	8.437	ug/l	86
47) Bromodichloromethane	9.39	83	103110	8.777	ug/l #	92
48) Methyl methacrylate	9.13	41	34745	9.182	ug/l	97
49) 1,4-Dioxane	9.08	88	5662	186.751	ug/l #	59
51) 4-Methyl-2-Pentanone	10.31	43	180594	48.779	ug/l	95
52) Toluene	10.52	92	129505	9.657	ug/l	89
53) t-1,3-Dichloropropene	10.92	75	84403	8.575	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	86028	8.635	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	47105	10.298	ug/l	95
56) Ethyl methacrylate	11.05	69	40501	8.192	ug/l	95
57) 1,3-Dichloropropane	11.42	76	65962	9.366	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	133839	51.506	ug/l	96
59) 2-Hexanone	11.54	43	125809	45.062	ug/l	98
60) Dibromochloromethane	11.69	129	81688	9.140	ug/l	91
61) 1,2-Dibromoethane	11.81	107	52475	9.400	ug/l	83
64) Tetrachloroethene	11.26	164	69430	10.107	ug/l	90
65) Chlorobenzene	12.41	112	150542	9.516	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.52	131	77061	10.099	ug/l	91
67) Ethyl Benzene	12.53	91	283998	9.862	ug/l	96
68) m/p-Xylenes	12.68	106	193702	19.388	ug/l	99
69) o-Xylene	13.06	106	92442	9.651	ug/l	91
70) Styrene	13.08	104	155093	9.603	ug/l	98
71) Bromoform	13.24	173	48948	9.389	ug/l #	91
73) Isopropylbenzene	13.40	105	291260	9.548	ug/l	99
74) N-amyl acetate	13.27	43	67688	8.579	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	44256	8.699	ug/l	89
76) 1,2,3-Trichloropropane	13.74	75	51400	8.889	ug/l	97
77) Bromobenzene	13.68	156	82413	9.774	ug/l	73
78) n-propylbenzene	13.78	91	327667	9.149	ug/l	95
79) 2-Chlorotoluene	13.85	91	189856	8.875	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	245715	9.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	13088	8.938	ug/l	95
82) 4-Chlorotoluene	13.96	91	251050	9.833	ug/l	97
83) tert-Butylbenzene	14.19	119	299259	10.273	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	259861	9.655	ug/l	99
85) sec-Butylbenzene	14.37	105	282833	9.372	ug/l	96
86) p-Isopropyltoluene	14.50	119	302064	10.422	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	145224	9.991	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	134430	9.245	ug/l	99
89) n-Butylbenzene	14.80	91	270697	10.223	ug/l	98
90) Hexachloroethane	15.01	117	76858	10.155	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	128621	9.858	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10202	9.779	ug/l	76

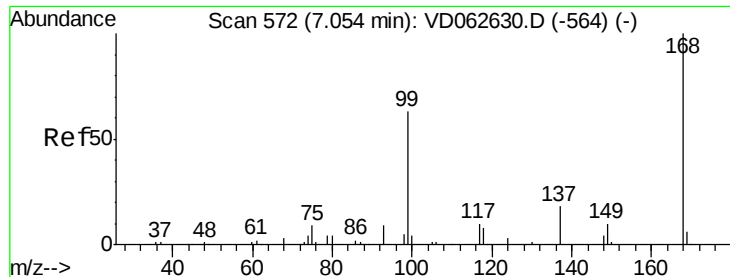
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060619\
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Quant Title : SW846 8260
QLast Update : Fri Jun 07 04:07:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	93039	9.663	ug/l	99
94) Hexachlorobutadiene	16.04	225	68585	9.502	ug/l	96
95) Naphthalene	16.13	128	121115	8.866	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	66043	9.082	ug/l	84

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

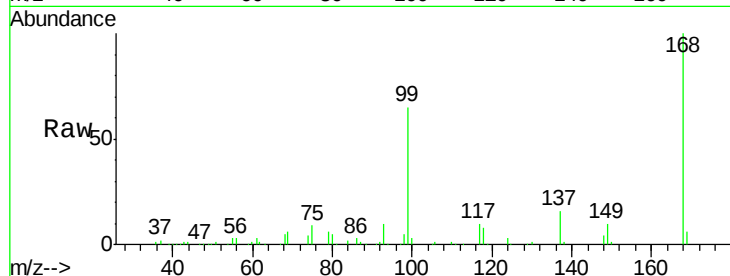
VSTDIC010

Tot Ion:168 Resp: 733735

Ion Ratio Lower Upper

168 100

99 65.4 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

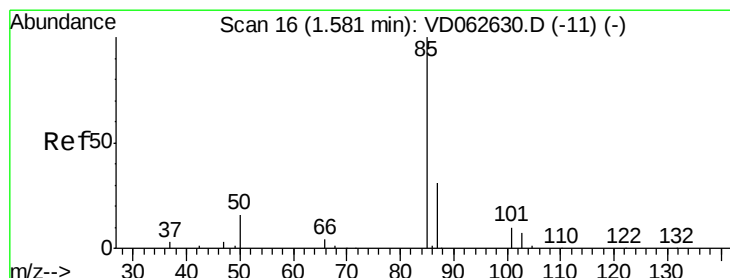
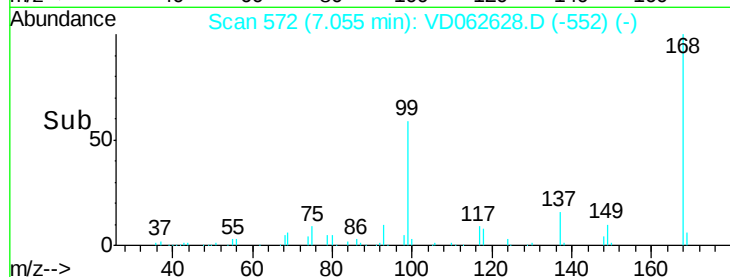
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 10.099 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062628.D

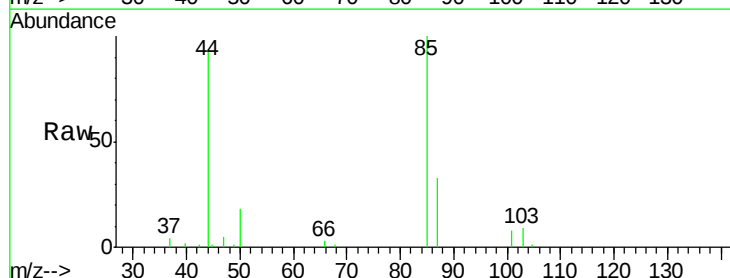
Acq: 6 Jun 2019 16:53

Tgt Ion: 85 Resp: 91223

Ion Ratio Lower Upper

85 100

87 33.2 15.4 46.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

40000

30000

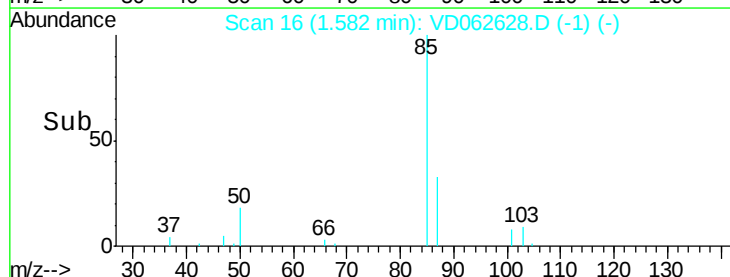
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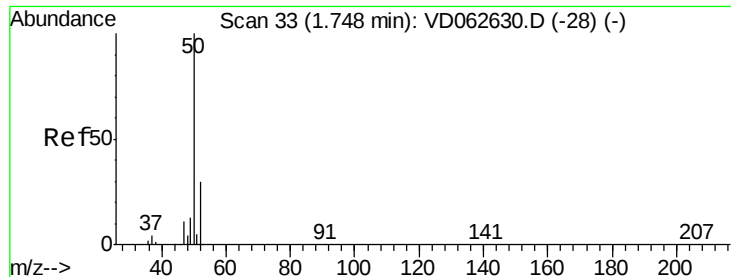
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 9.793 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

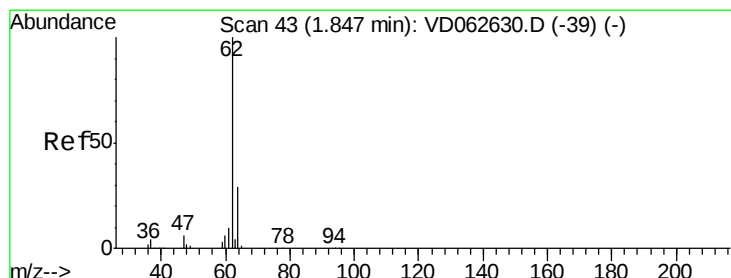
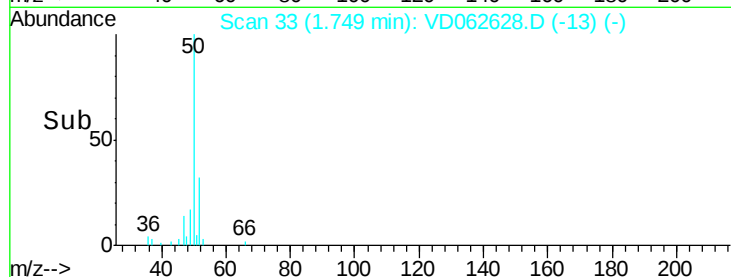
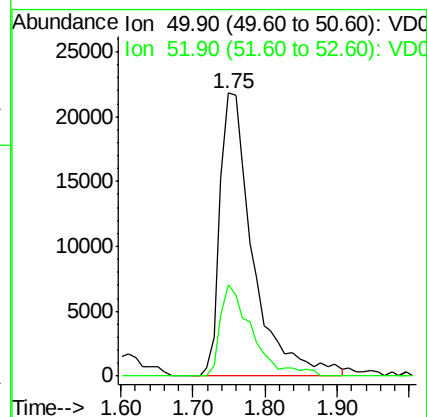
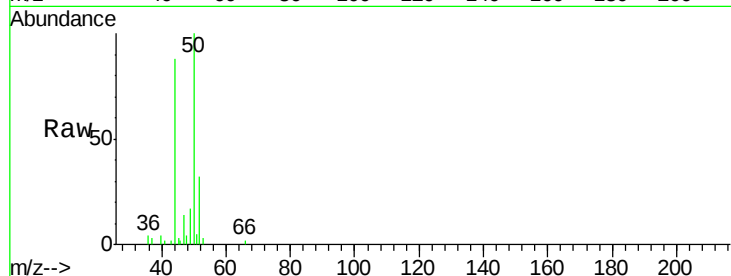
VSTDIC010

Tot Ion: 50 Resp: 68799

Ion Ratio Lower Upper

50 100

52 32.2 24.2 36.2



#4

Vinyl Chloride

Concen: 9.519 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062628.D

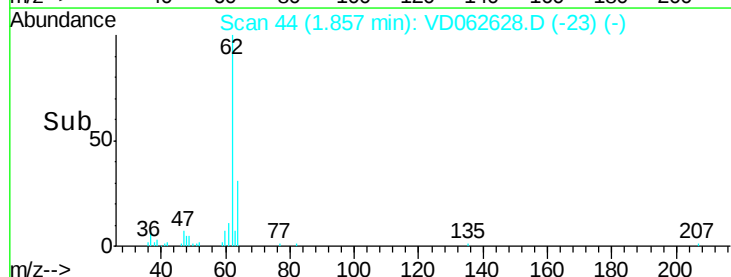
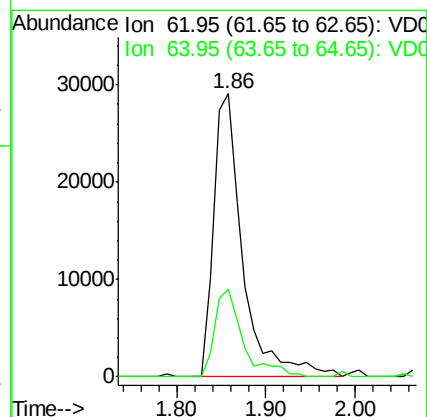
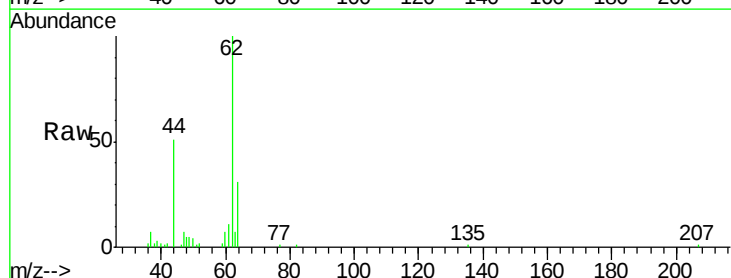
Acq: 6 Jun 2019 16:53

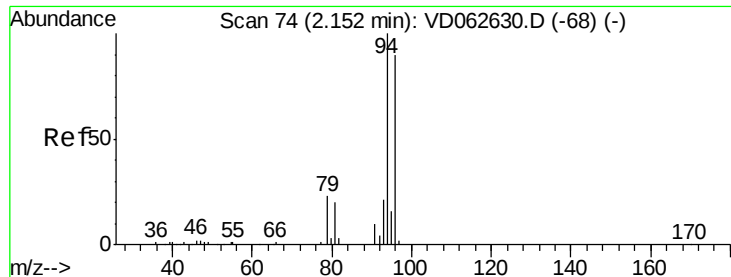
Tgt Ion: 62 Resp: 65913

Ion Ratio Lower Upper

62 100

64 30.8 23.3 34.9





#5

Bromomethane

Concen: 9.740 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

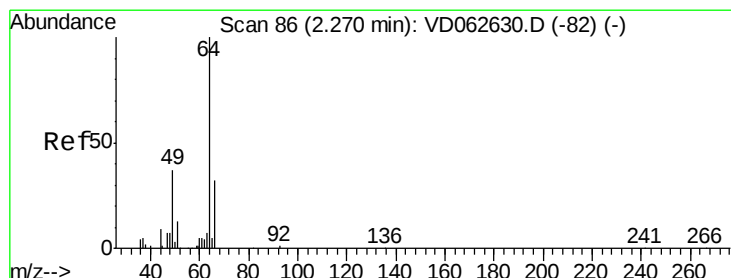
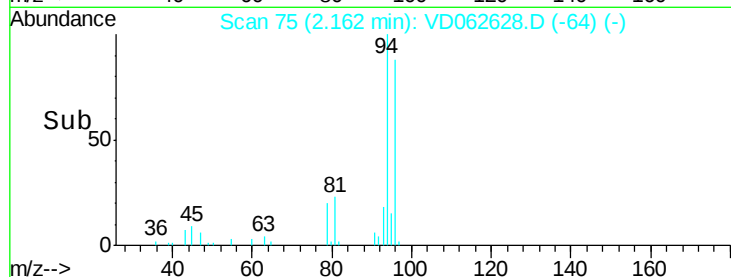
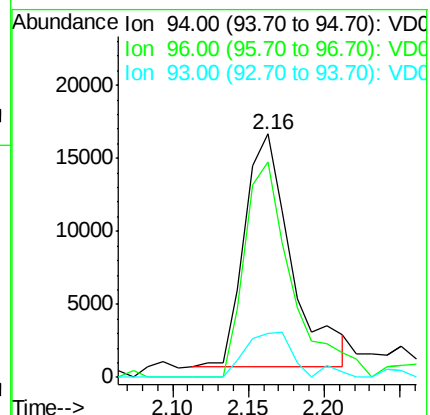
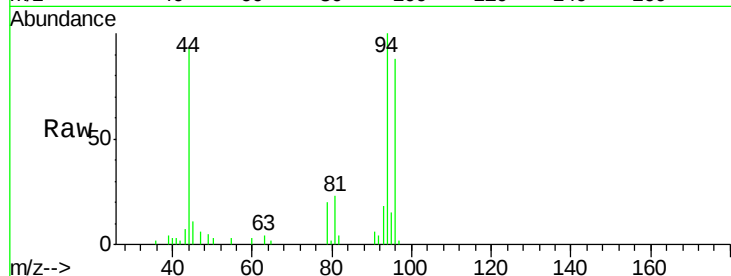
Tot Ion: 94 Resp: 34144

Ion Ratio Lower Upper

94 100

96 90.6 72.2 108.4

93 18.1 17.0 25.6



#6

Chloroethane

Concen: 8.252 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD062628.D

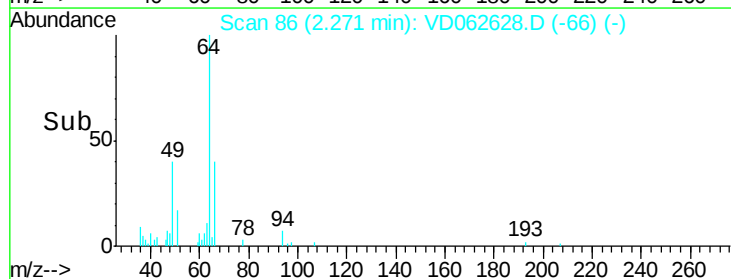
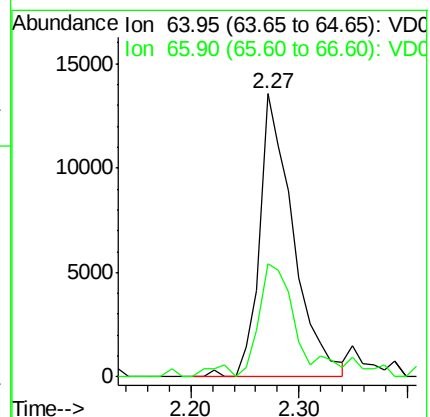
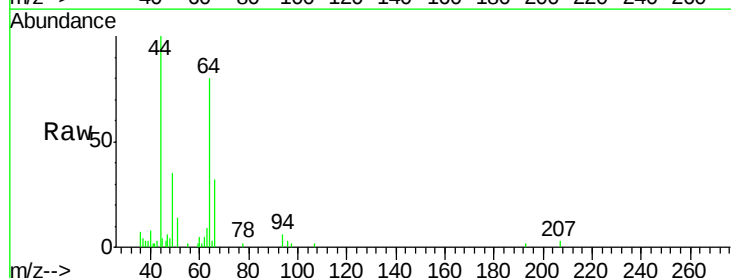
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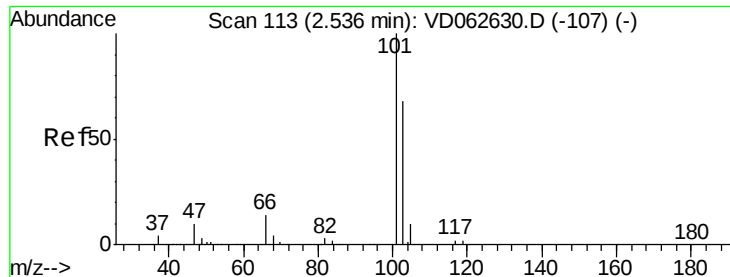
Tgt Ion: 64 Resp: 29409

Ion Ratio Lower Upper

64 100

66 40.1 25.5 38.3#



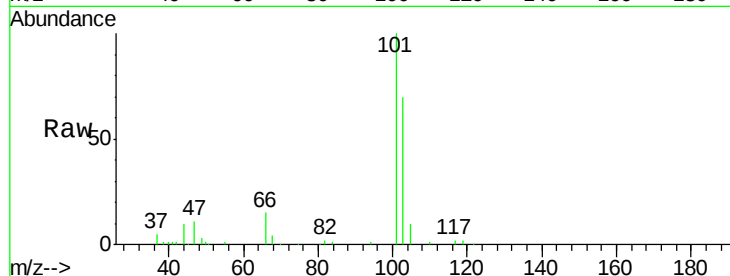


#7

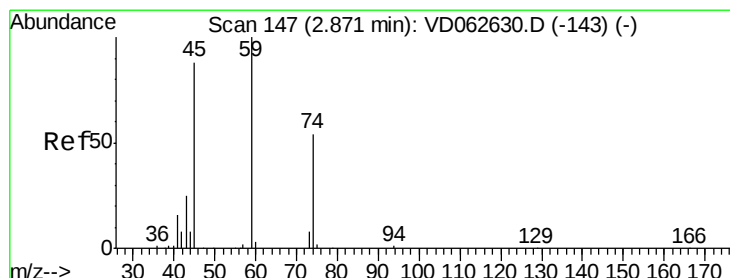
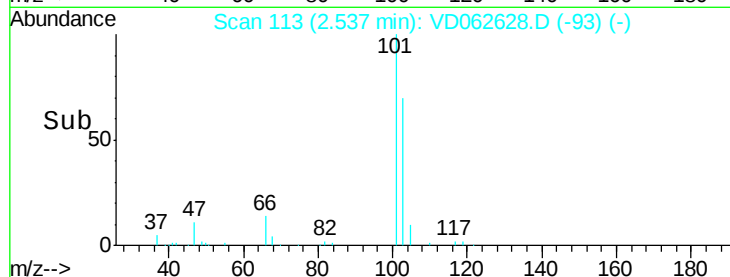
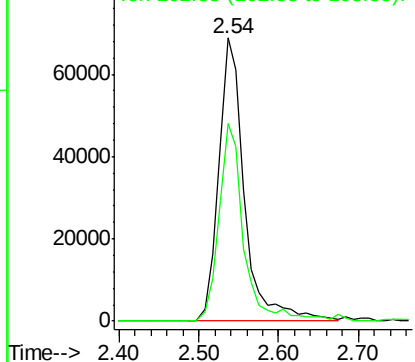
Trichlorofluoromethane
Concen: 10.201 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:101 Resp: 156530
Ion Ratio Lower Upper
101 100
103 69.7 54.6 81.8



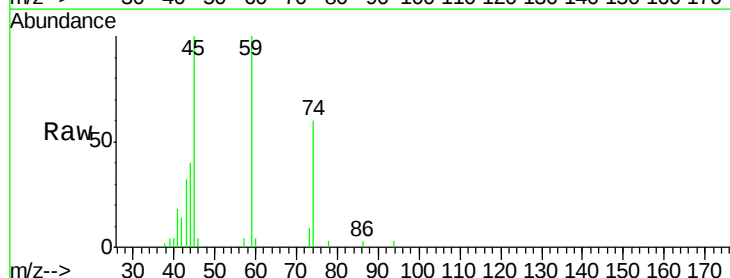
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



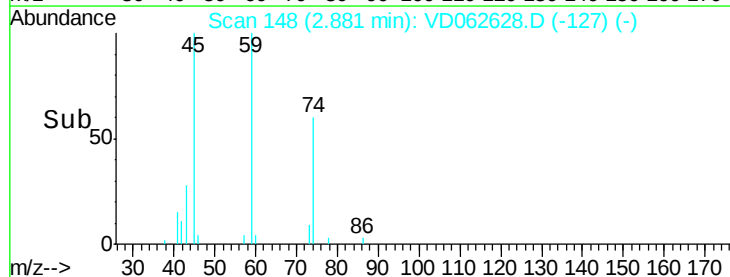
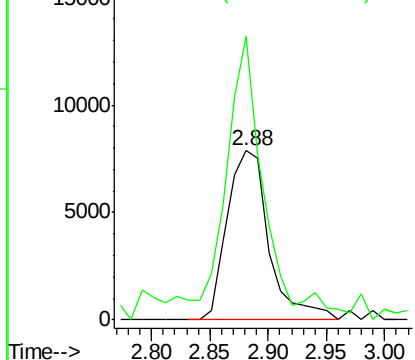
#8

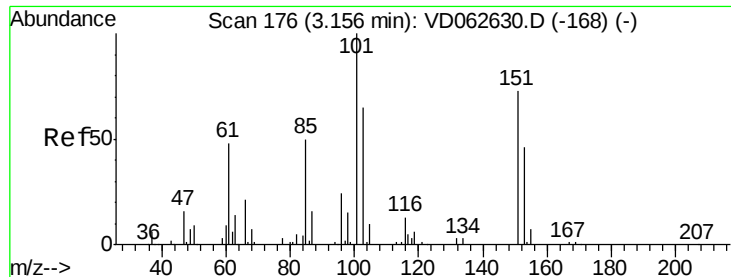
Diethyl Ether
Concen: 9.943 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 74 Resp: 19585
Ion Ratio Lower Upper
74 100
45 167.6 82.5 247.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.185 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

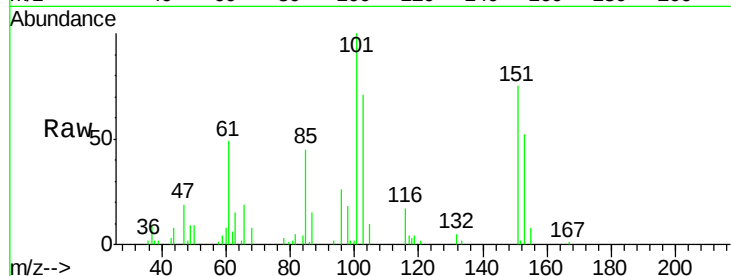
Tot Ion:101 Resp: 80041

Ion Ratio Lower Upper

101 100

85 44.6 39.8 59.6

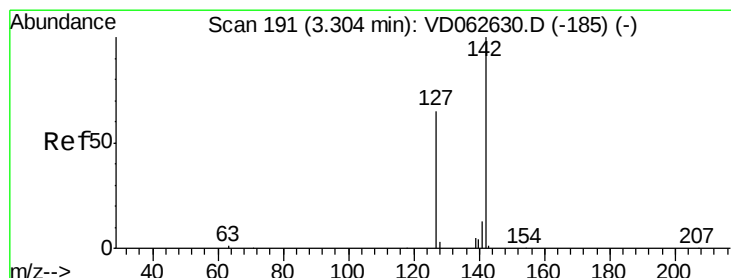
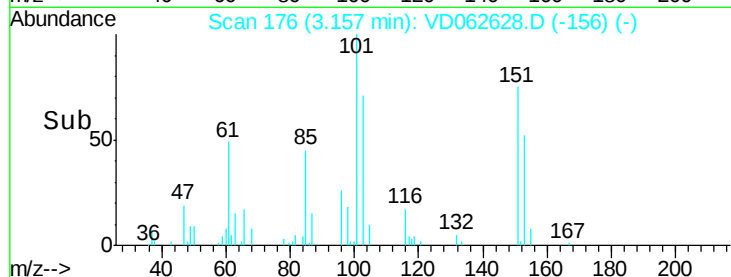
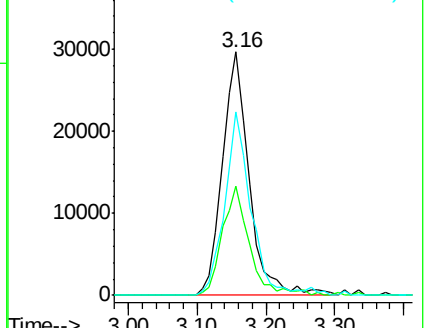
151 75.1 58.4 87.6



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: 7.413 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

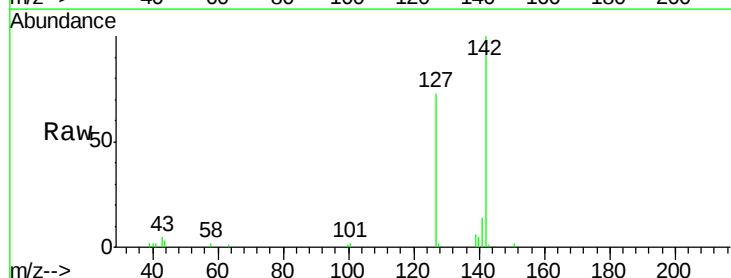
Tgt Ion:142 Resp: 80503

Ion Ratio Lower Upper

142 100

127 72.7 52.1 78.1

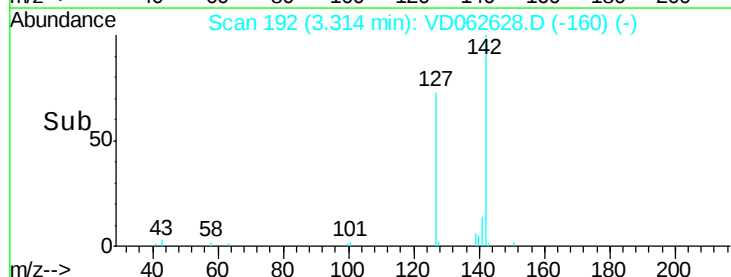
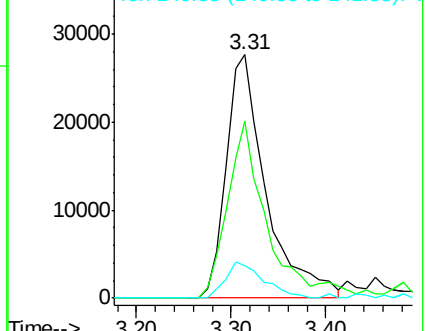
141 13.5 10.3 15.5

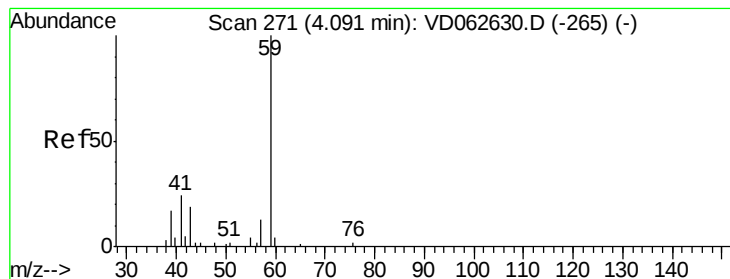


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



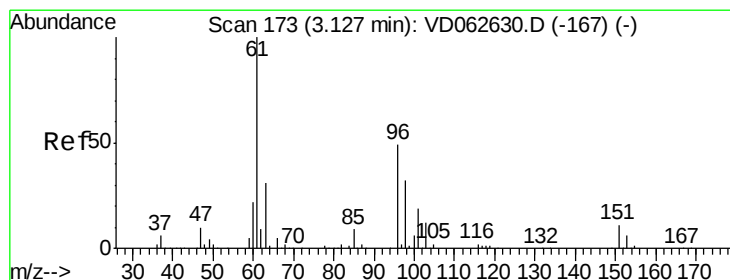
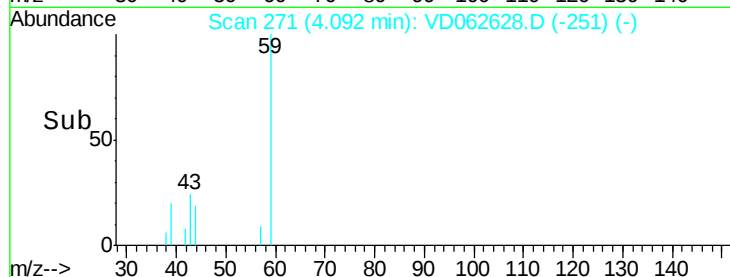
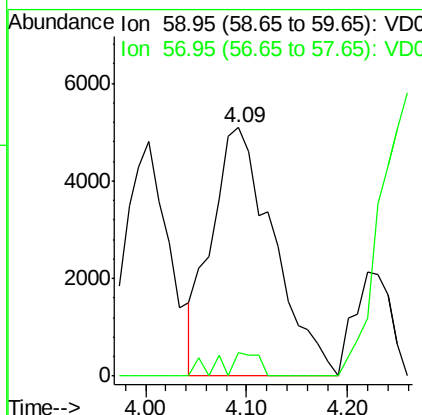
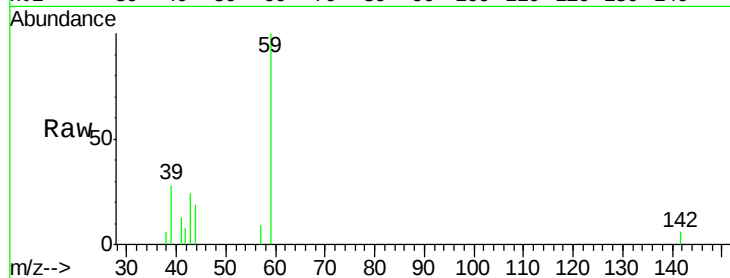


#11

Tert butyl alcohol
 Concen: 49.783 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

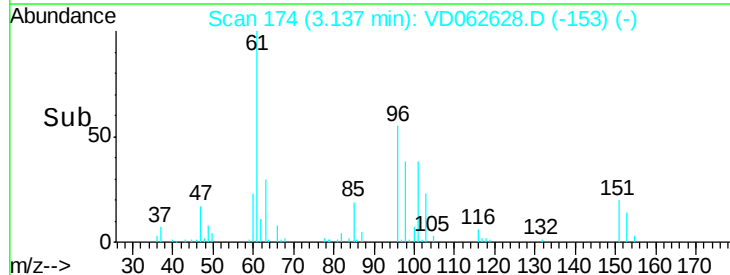
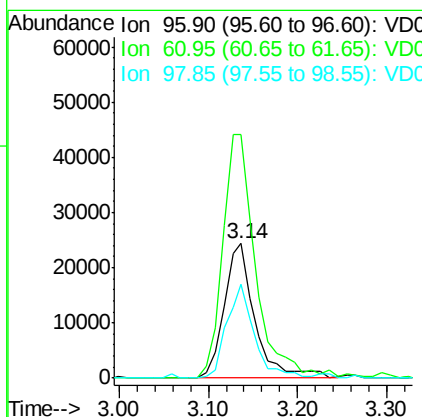
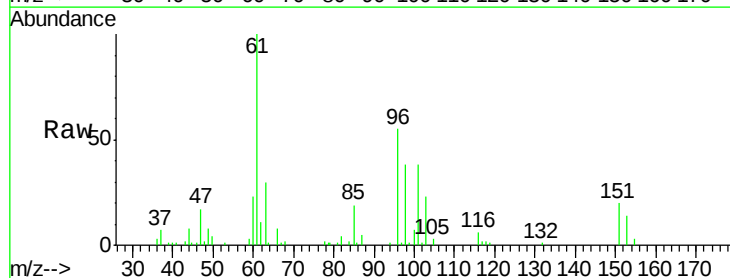
Tot Ion: 59 Resp: 21710
 Ion Ratio Lower Upper
 59 100
 57 9.4 9.2 13.8

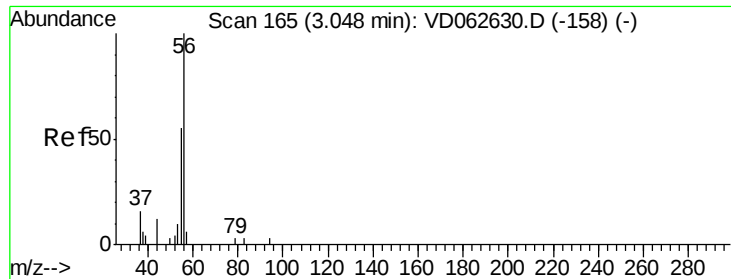


#12

1,1-Dichloroethene
 Concen: 9.375 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 96 Resp: 58931
 Ion Ratio Lower Upper
 96 100
 61 181.2 163.6 245.4
 98 69.7 52.5 78.7





#13

Acrolein

Concen: 33.130 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

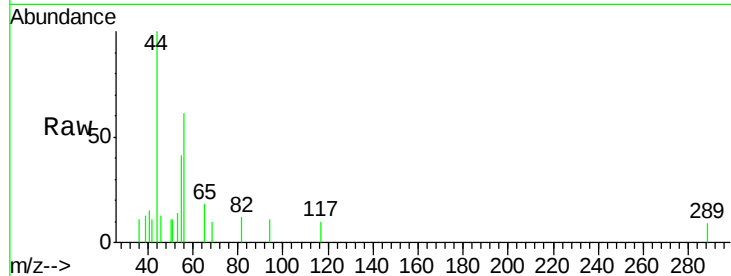
VSTDIC010

Tot Ion: 56 Resp: 5225

Ion Ratio Lower Upper

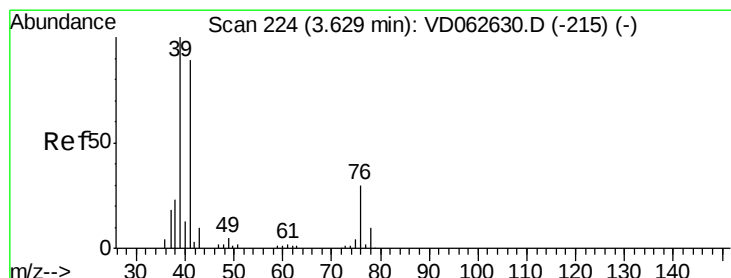
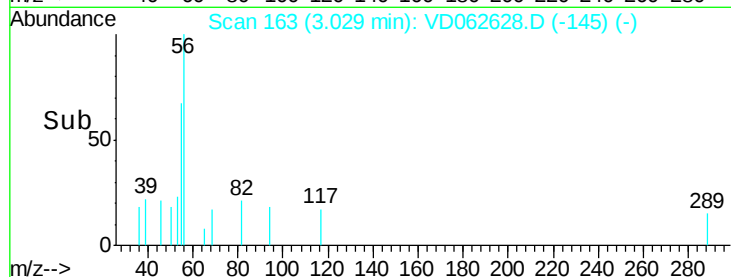
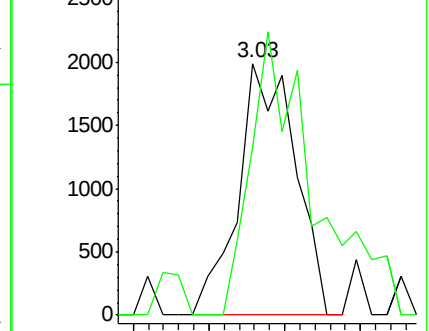
56 100

55 67.0 46.3 69.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 8.480 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

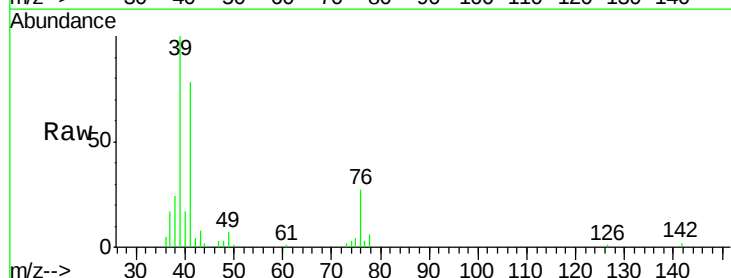
Tgt Ion: 41 Resp: 81184

Ion Ratio Lower Upper

41 100

39 127.5 90.1 135.1

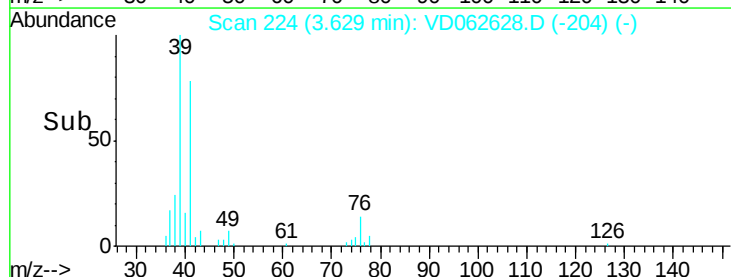
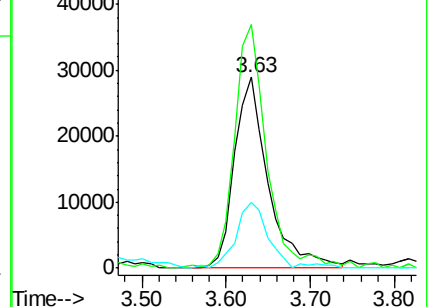
76 34.6 28.9 43.3

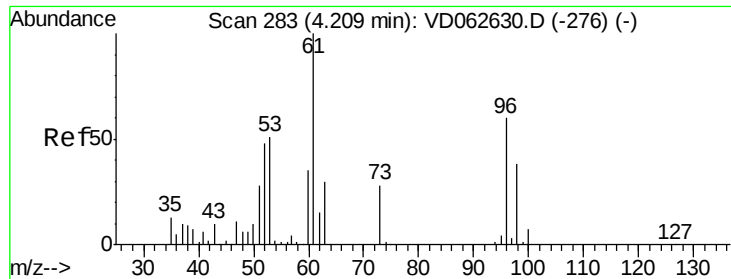


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 39.888 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

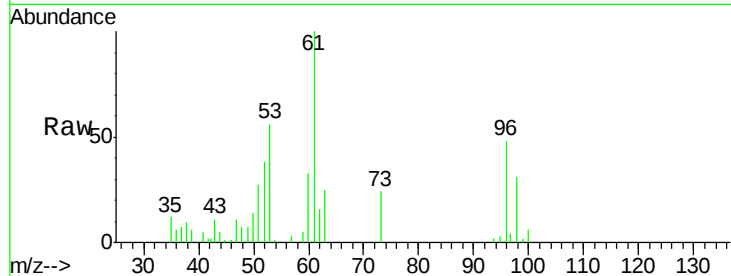
Tot Ion: 53 Resp: 38662

Ion Ratio Lower Upper

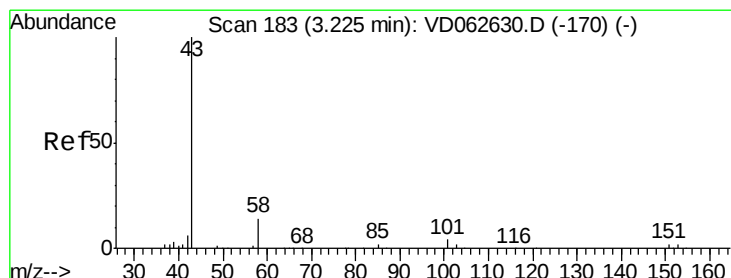
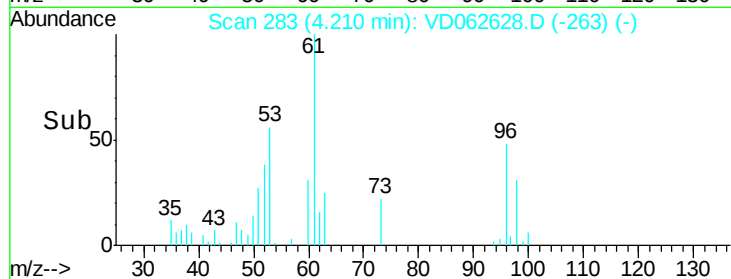
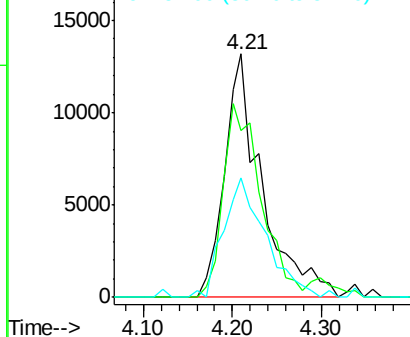
53 100

52 68.3 74.8 112.2#

51 48.9 43.9 65.9



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



#16

Acetone

Concen: 46.333 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062628.D

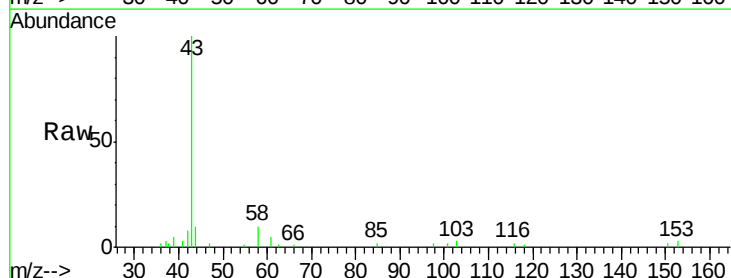
Acq: 6 Jun 2019 16:53

Tgt Ion: 43 Resp: 83905

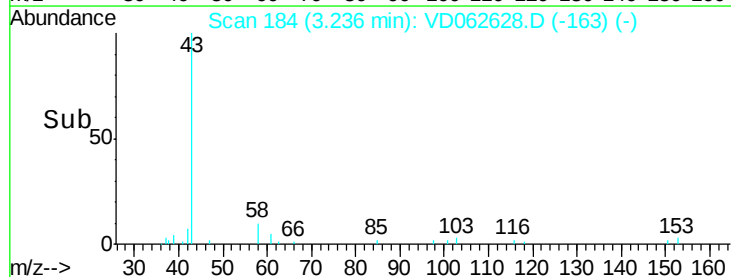
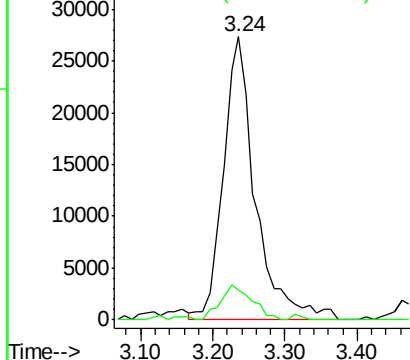
Ion Ratio Lower Upper

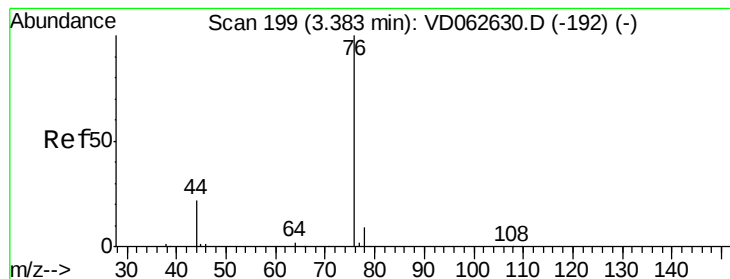
43 100

58 10.5 11.3 16.9#



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





#17

Carbon Disulfide

Concen: 8.367 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

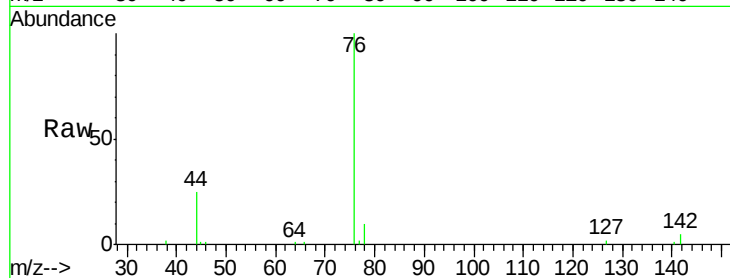
VSTDIC010

Tot Ion: 76 Resp: 153459

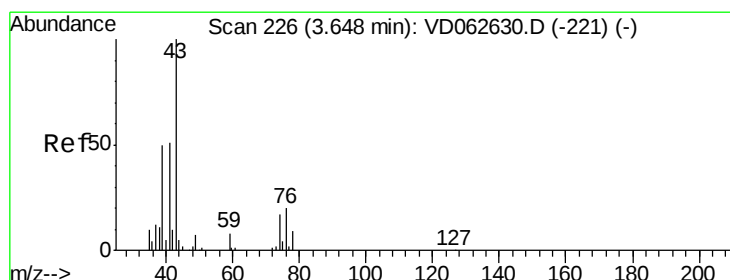
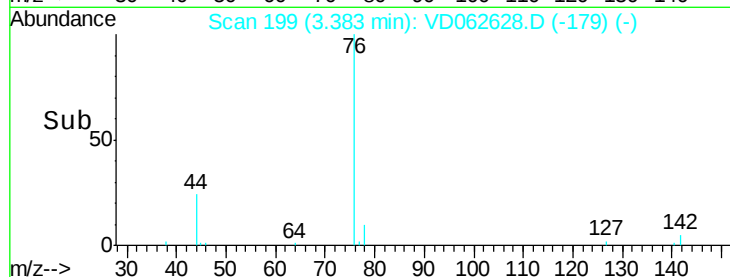
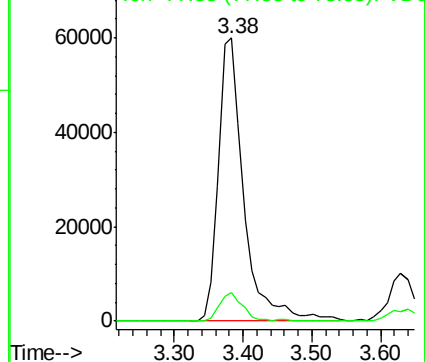
Ion Ratio Lower Upper

76 100

78 10.3 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: 7.720 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062628.D

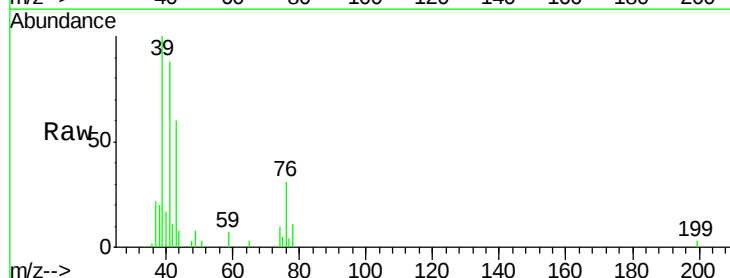
Acq: 6 Jun 2019 16:53

Tgt Ion: 43 Resp: 24436

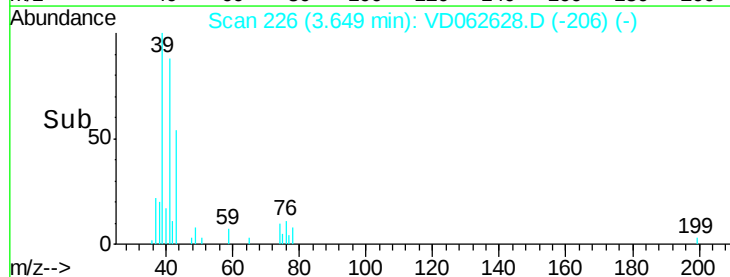
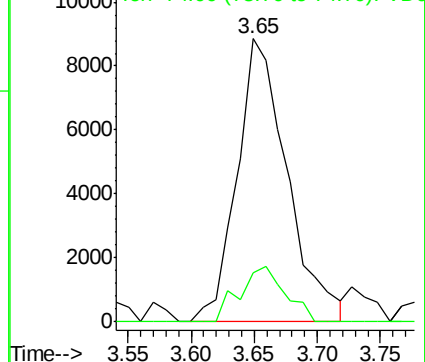
Ion Ratio Lower Upper

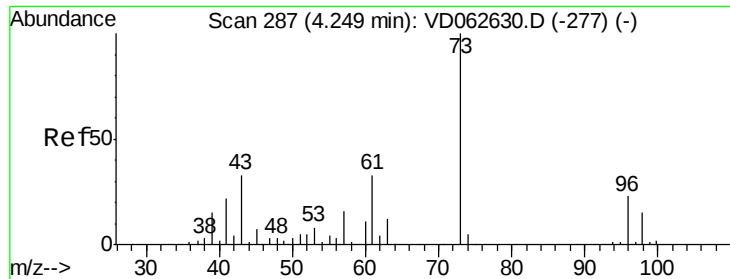
43 100

74 17.3 13.4 20.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

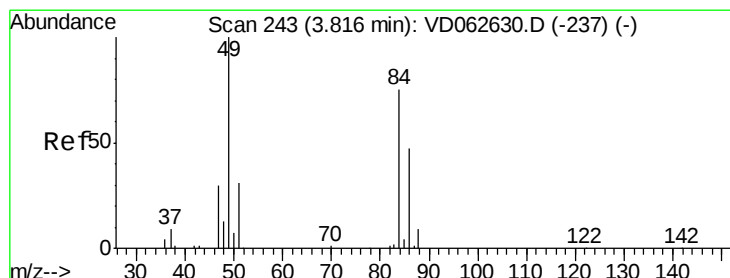
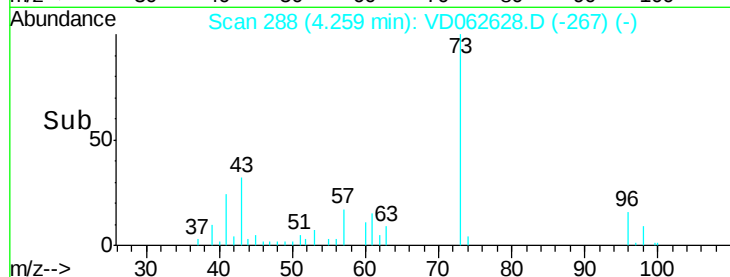
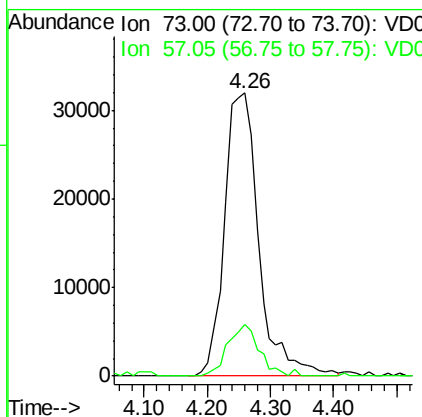
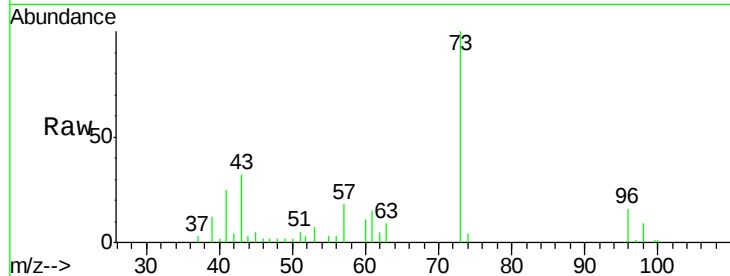




#19
Methvl tert-butvl Ether
Concen: 7.803 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

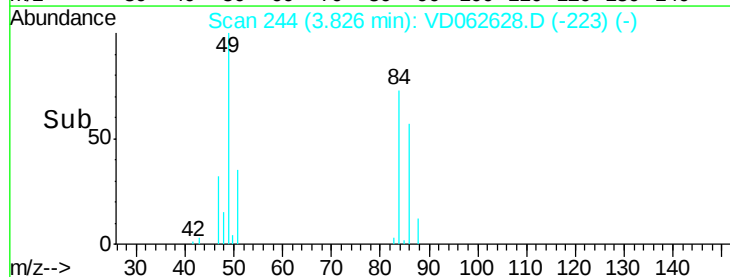
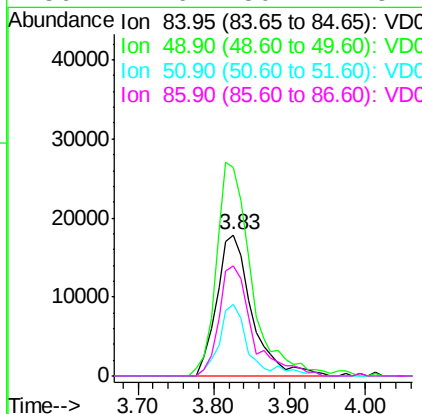
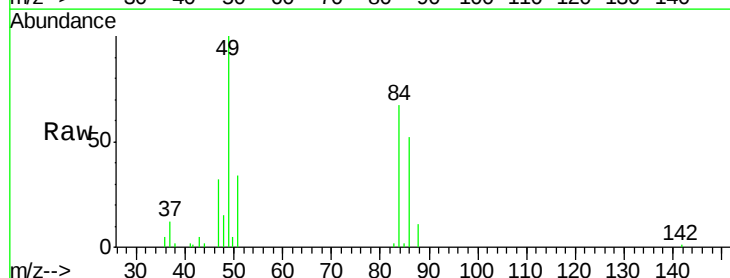
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

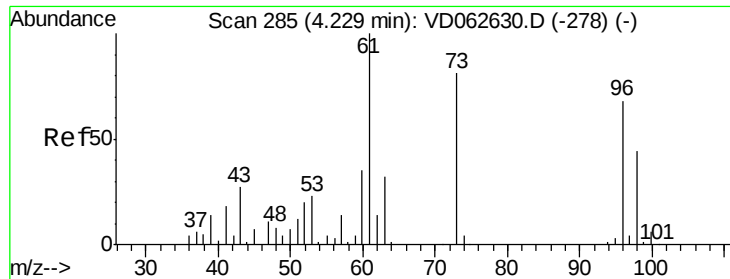
Tot Ion: 73 Resp: 120058
Ion Ratio Lower Upper
73 100
57 18.2 13.4 20.0



#20
Methylene Chloride
Concen: 8.351 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 84 Resp: 57674
Ion Ratio Lower Upper
84 100
49 148.2 107.1 160.7
51 51.1 33.5 50.3#
86 77.6 50.2 75.2#





#21

trans-1,2-Dichloroethene

Concen: 7.749 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

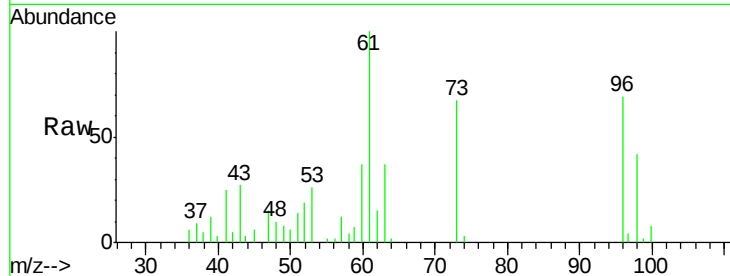
Tot Ion: 96 Resp: 53688

Ion Ratio Lower Upper

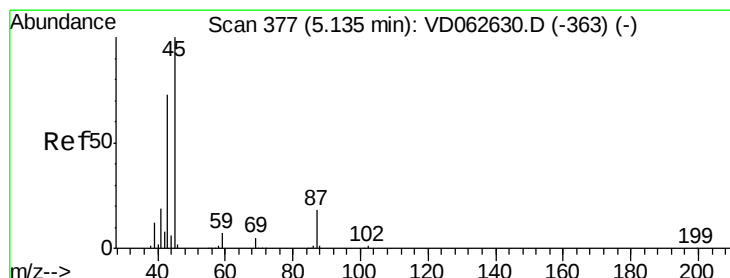
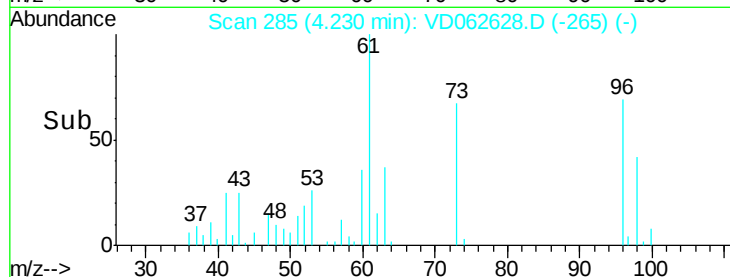
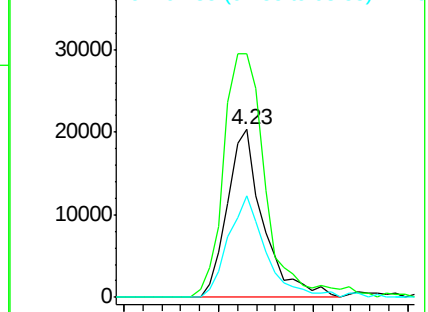
96 100

61 145.1 118.0 177.0

98 60.5 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: 8.014 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Tgt Ion: 45 Resp: 161314

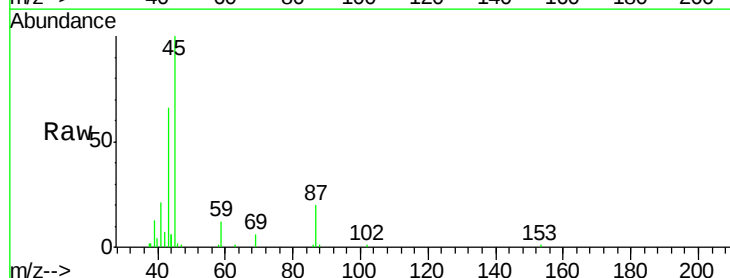
Ion Ratio Lower Upper

45 100

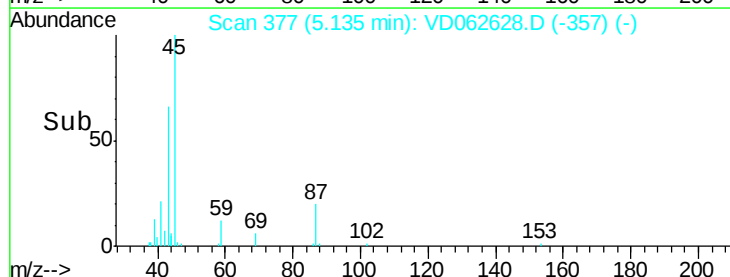
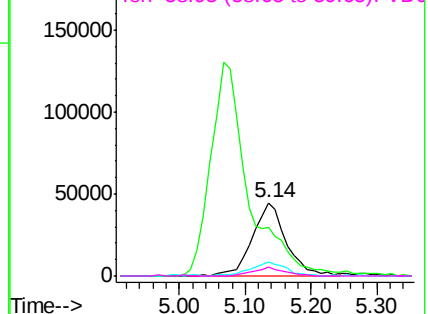
43 65.7 58.7 88.1

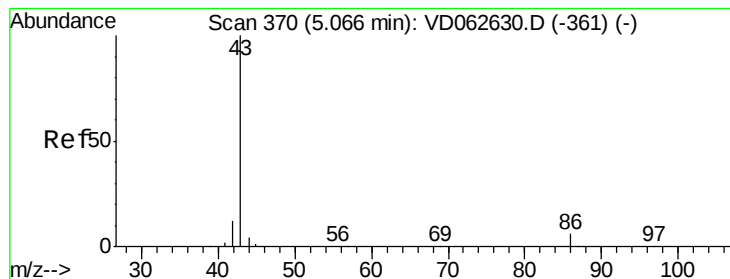
87 20.0 14.6 21.8

59 11.5 6.4 9.6#



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: 41.582 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

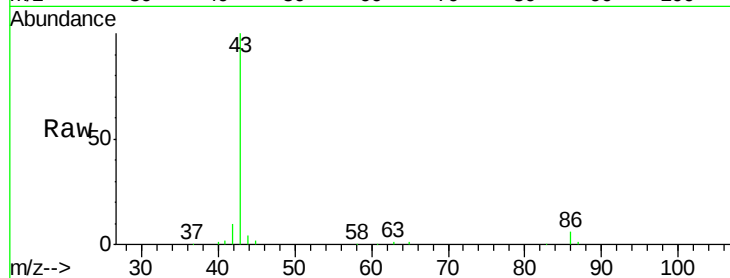
VSTDIC010

Tot Ion: 43 Resp: 514911

Ion Ratio Lower Upper

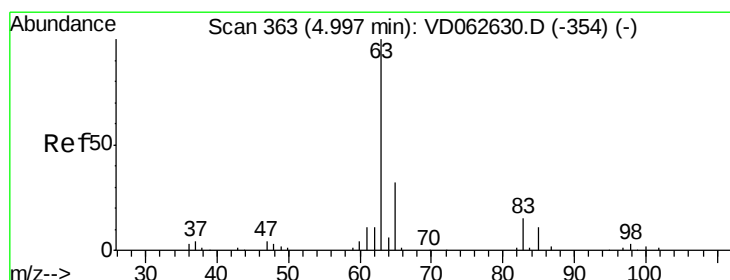
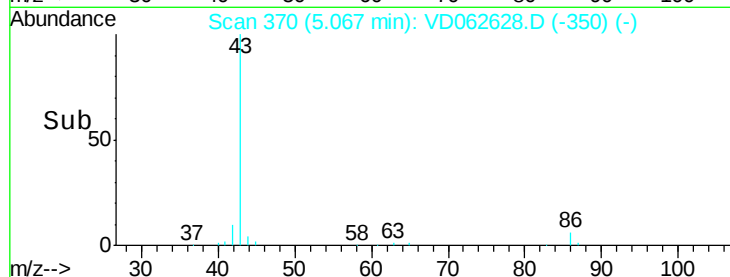
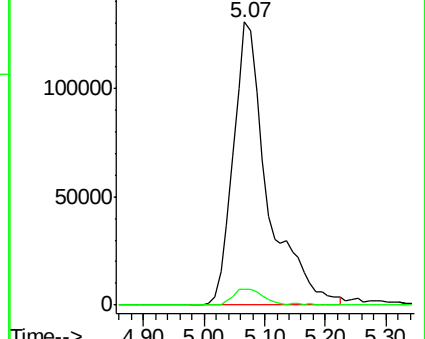
43 100

86 5.6 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 8.670 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

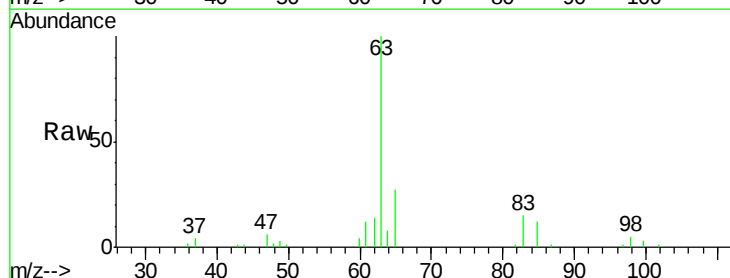
Tgt Ion: 63 Resp: 111043

Ion Ratio Lower Upper

63 100

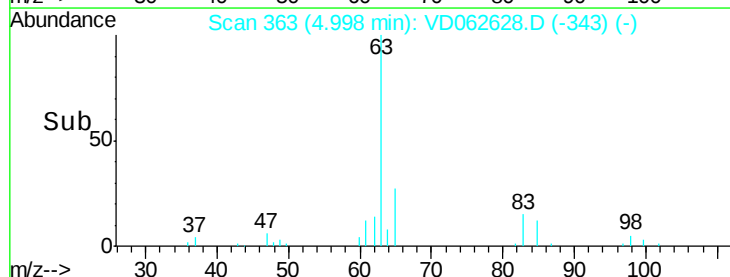
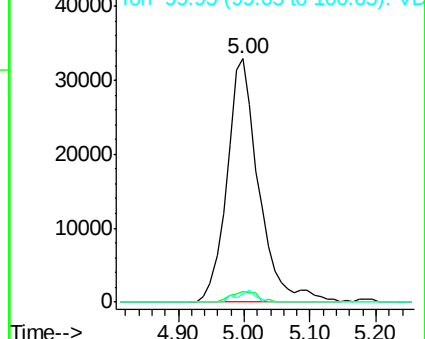
98 4.6 1.7 5.1

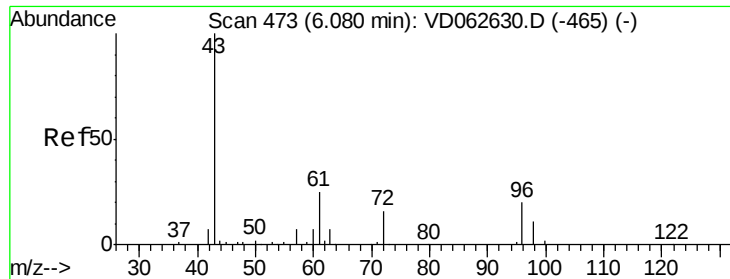
100 3.4 1.0 3.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC





#25

2-Butanone

Concen: 43.592 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

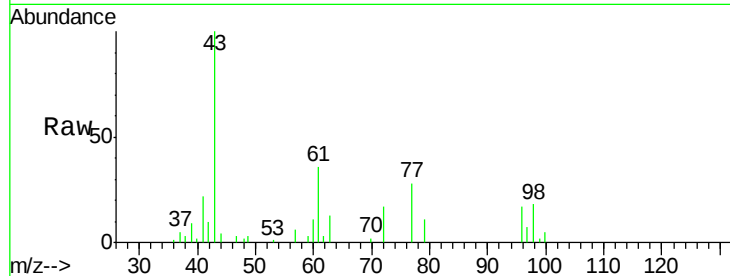
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 73370

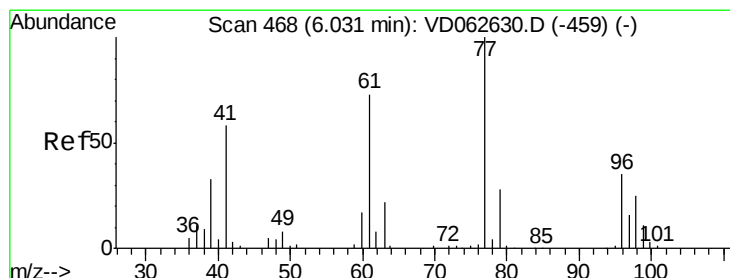
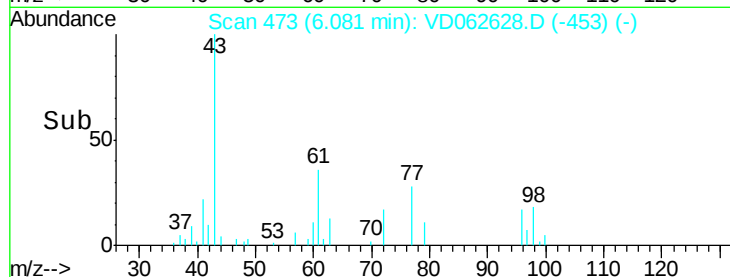
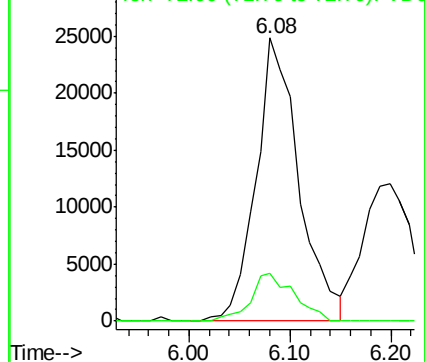
Ion Ratio Lower Upper

43 100

72 17.0 12.9 19.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.741 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD062628.D

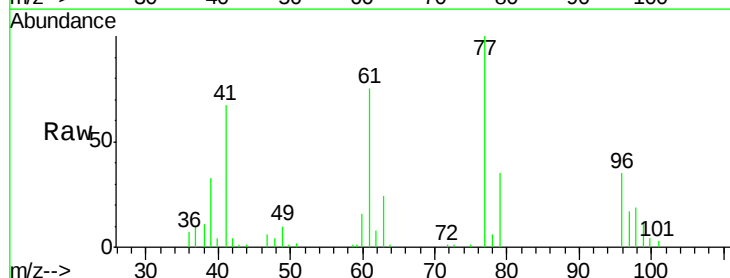
Acq: 6 Jun 2019 16:53

Tgt Ion: 77 Resp: 136281

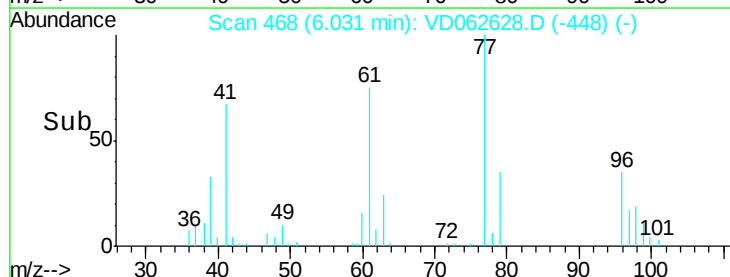
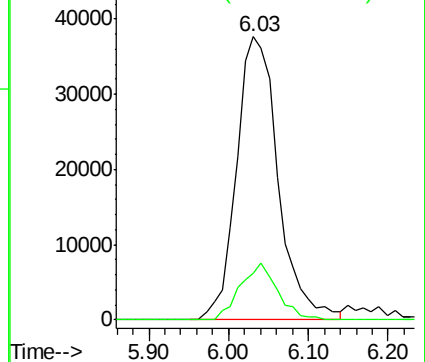
Ion Ratio Lower Upper

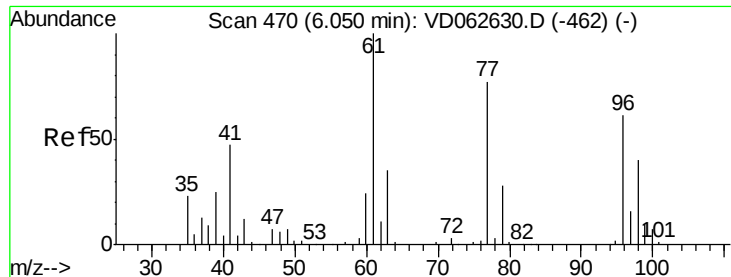
77 100

97 16.6 7.9 23.7



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: 8.287 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

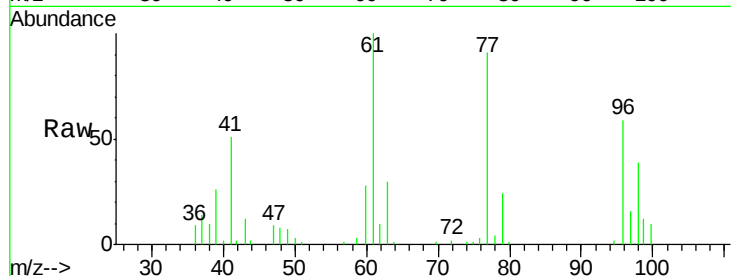
Tot Ion: 96 Resp: 60789

Ion Ratio Lower Upper

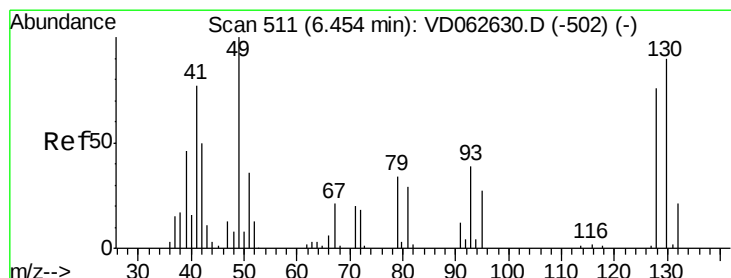
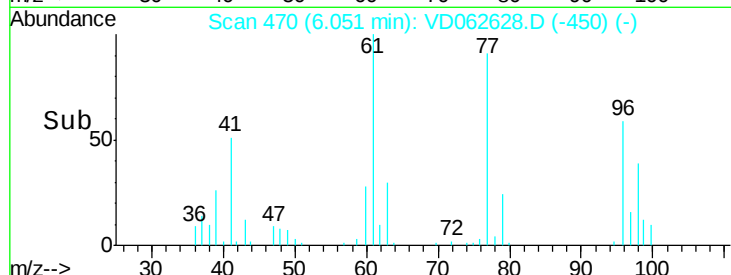
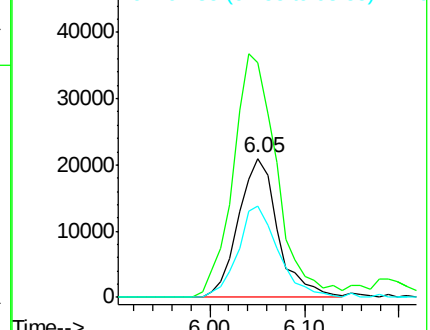
96 100

61 169.0 0.0 330.2

98 65.8 0.0 132.4



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: 7.826 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

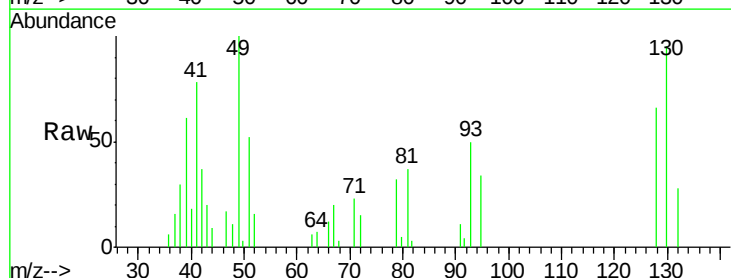
Tgt Ion: 49 Resp: 38205

Ion Ratio Lower Upper

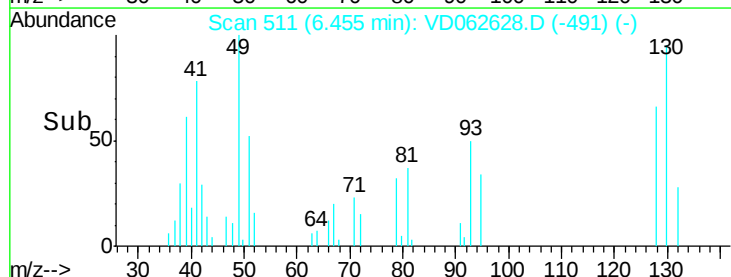
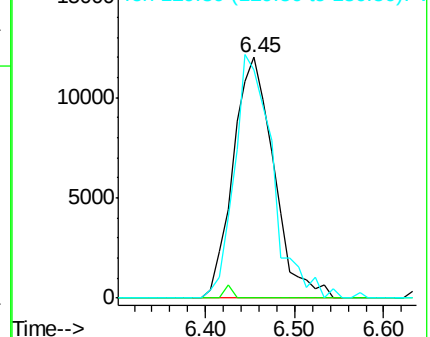
49 100

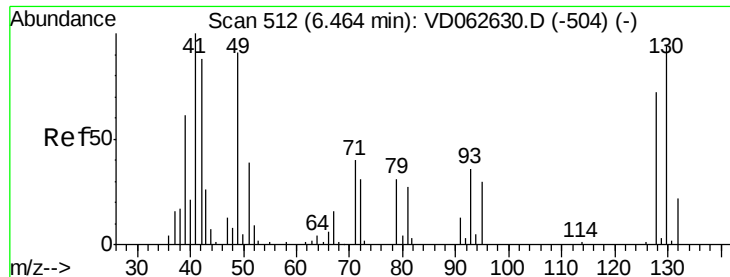
129 0.0 0.0 0.0

130 94.7 72.2 108.2



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

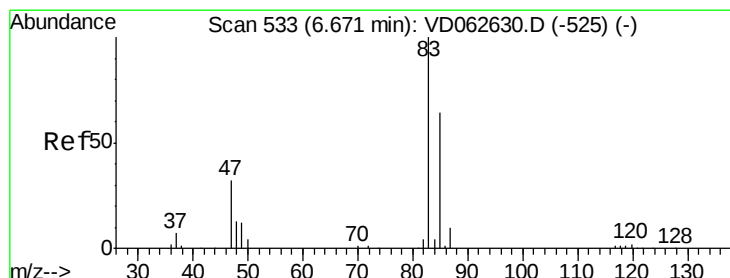
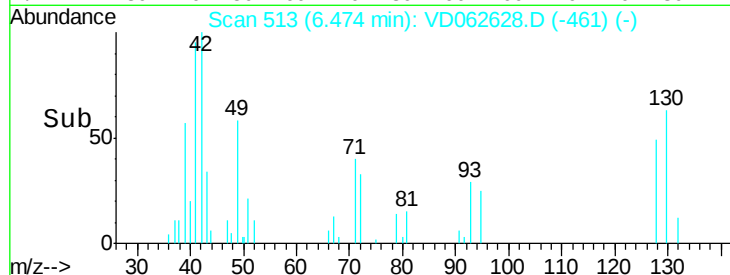
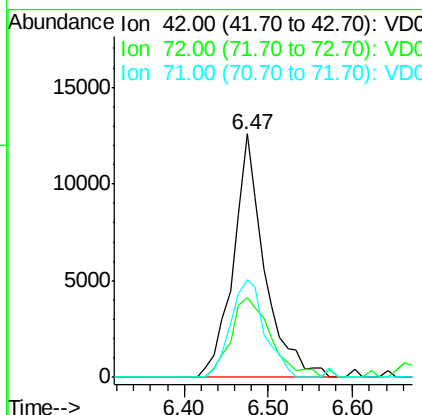
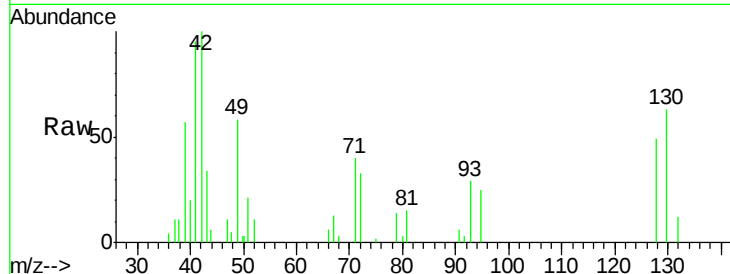




#29
Tetrahydrofuran
Concen: 41.468 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

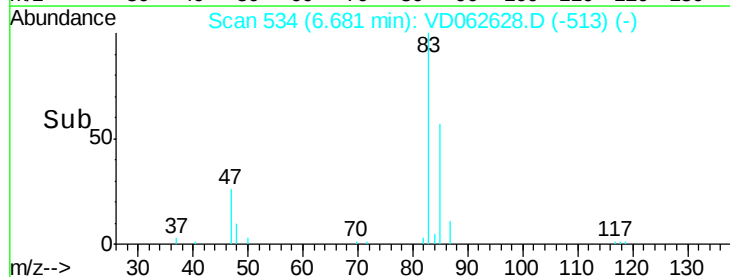
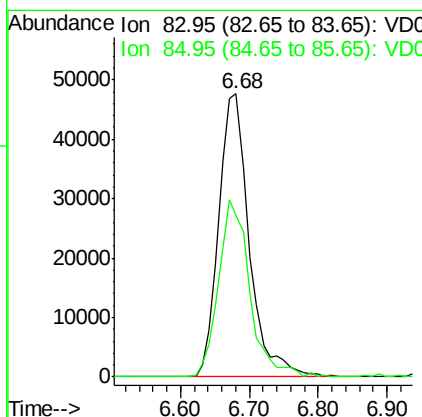
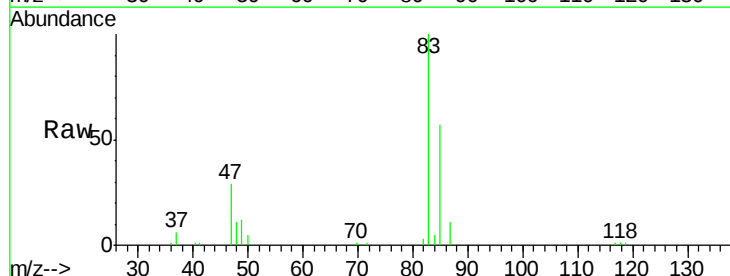
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

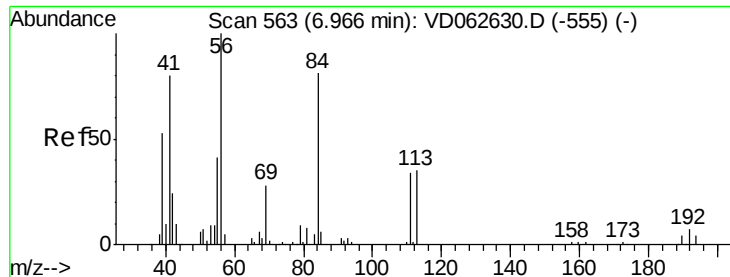
Tot Ion: 42 Resp: 32555
Ion Ratio Lower Upper
42 100
72 42.6 31.4 47.2
71 43.4 34.0 51.0



#30
Chloroform
Concen: 9.126 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 83 Resp: 146311
Ion Ratio Lower Upper
83 100
85 57.0 51.0 76.6

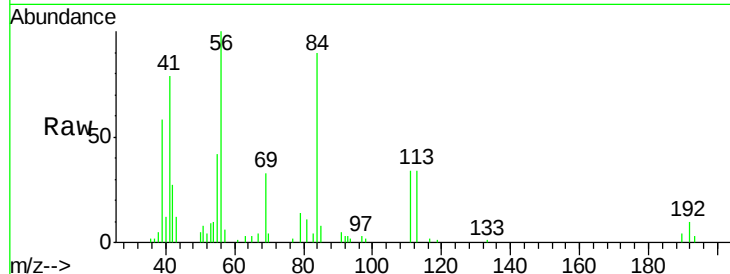




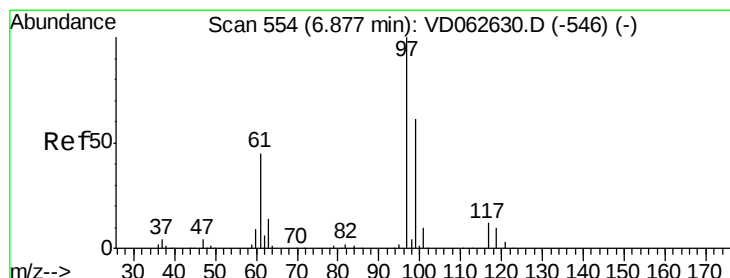
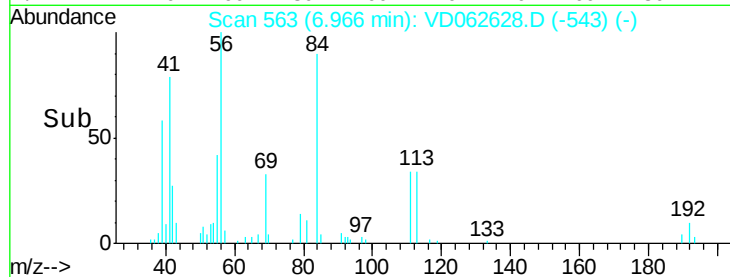
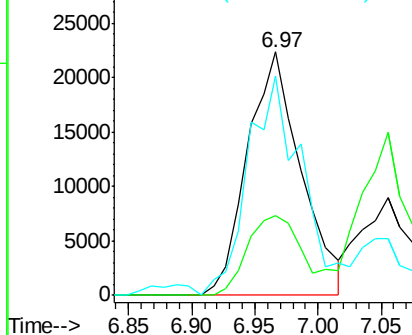
#31
Cyclohexane
Concen: 7.999 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 65864
Ion Ratio Lower Upper
56 100
69 32.7 22.4 33.6
84 90.0 67.8 101.8

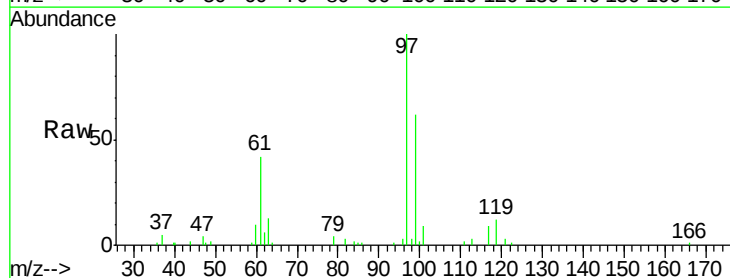


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

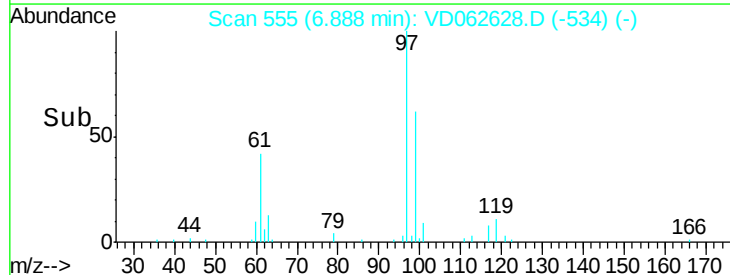
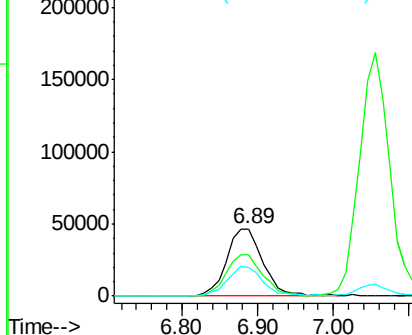


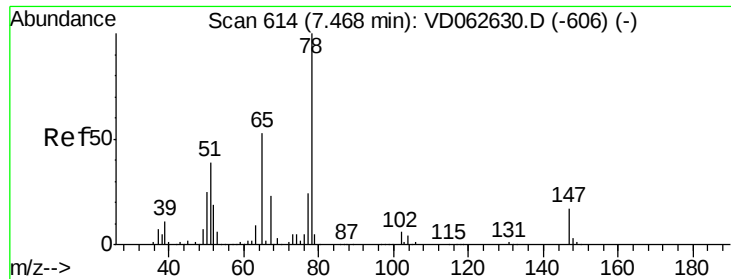
#32
1,1,1-Trichloroethane
Concen: 9.480 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 97 Resp: 154302
Ion Ratio Lower Upper
97 100
99 62.1 49.0 73.6
61 42.5 36.2 54.2



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

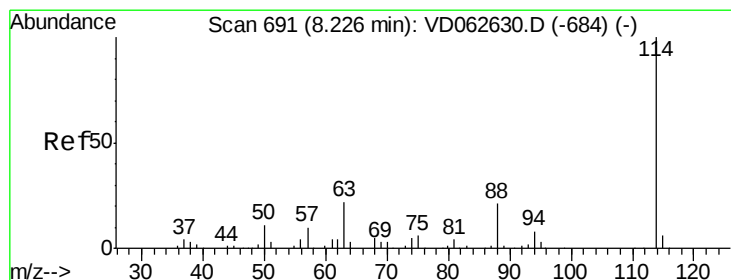
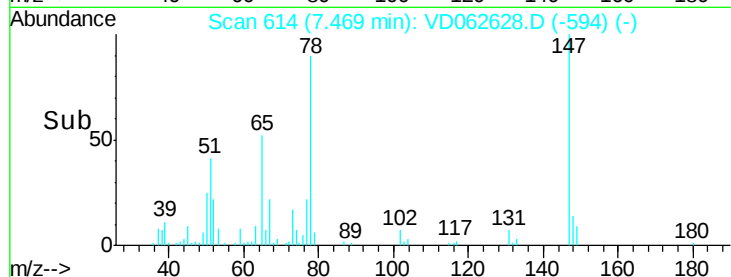
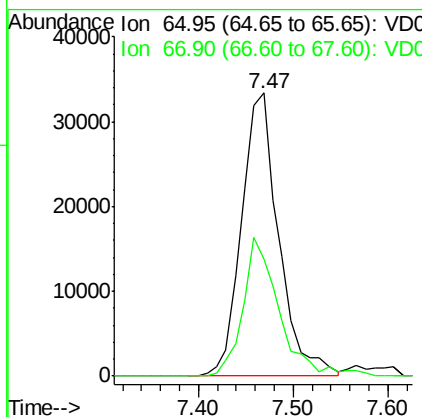
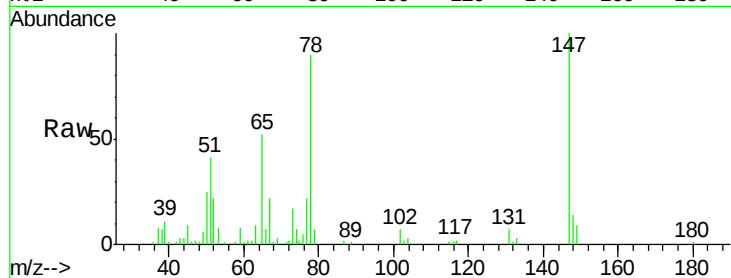




#33
 1,2-Dichloroethane-d4
 Concen: 9.051 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

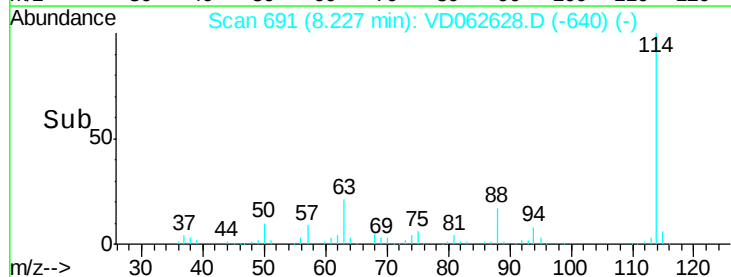
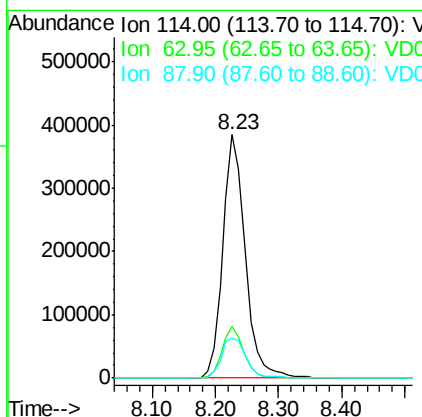
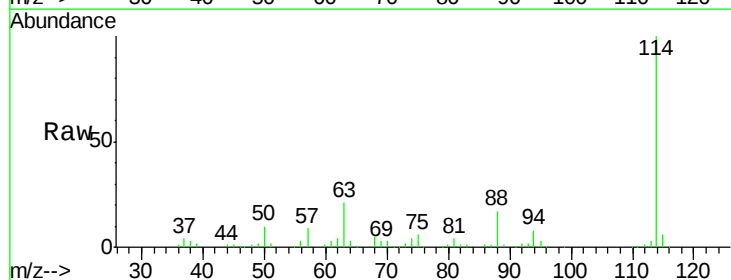
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

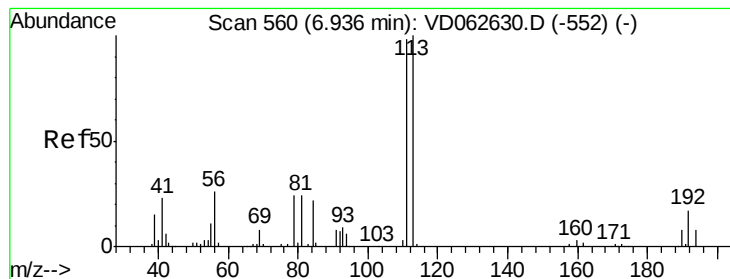
Tot Ion: 65 Resp: 90715
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 114 Resp: 950881
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.6
 88 16.7 0.0 41.4





#35

Dibromofluoromethane

Concen: 9.046 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

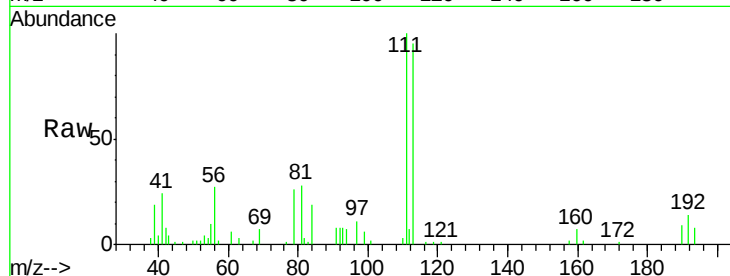
Tot Ion:113 Resp: 87770

Ion Ratio Lower Upper

113 100

111 105.1 78.5 117.7

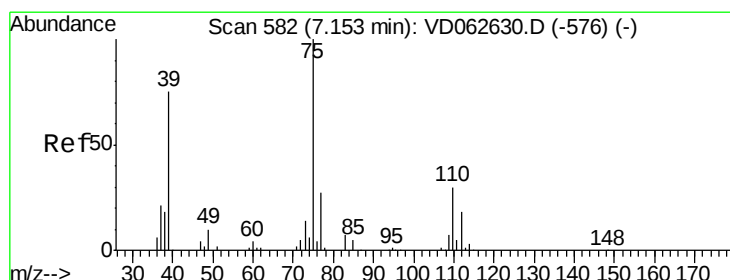
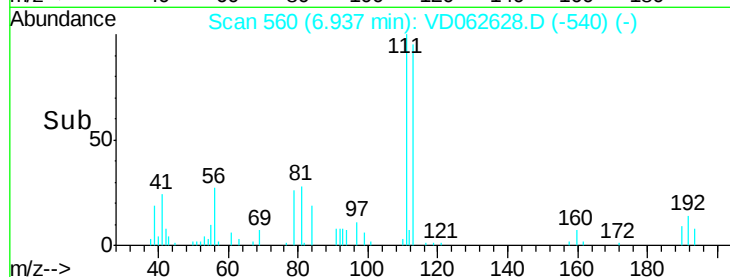
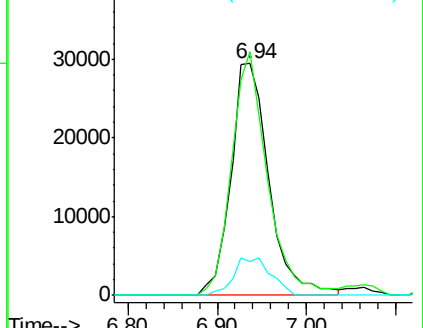
192 14.6 13.8 20.6



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: 9.431 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.01 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

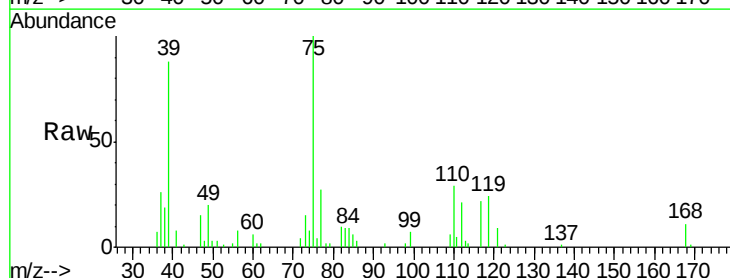
Tgt Ion: 75 Resp: 97080

Ion Ratio Lower Upper

75 100

110 29.2 14.8 44.3

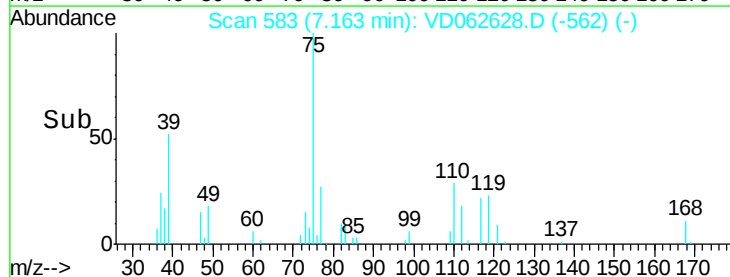
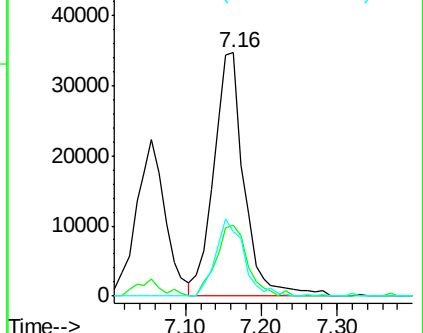
77 26.6 21.8 32.6

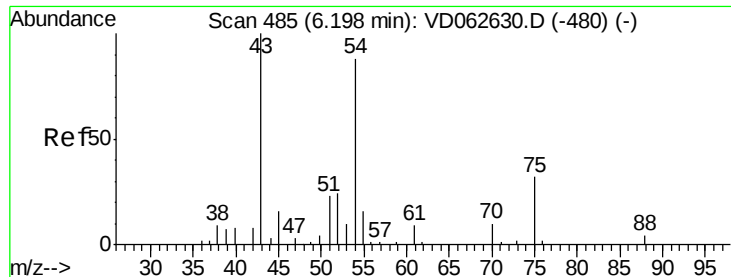


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

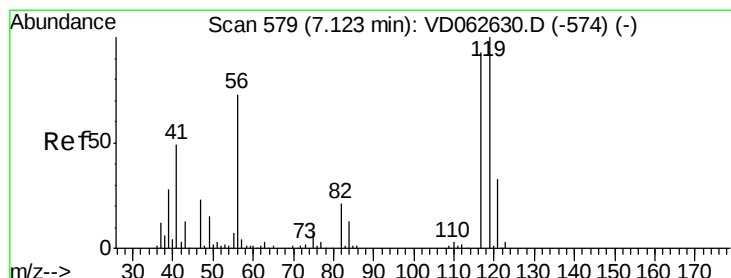
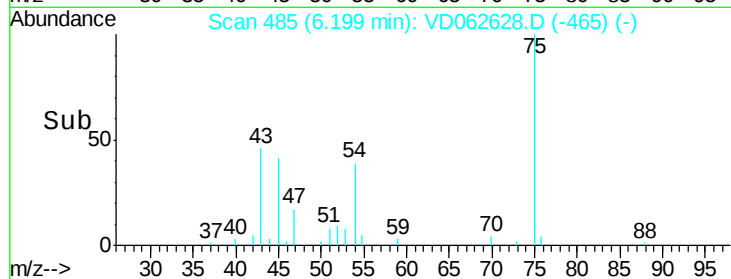
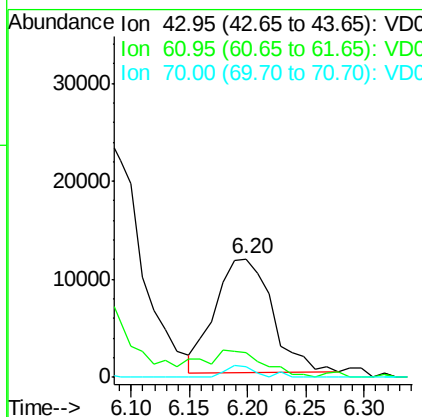
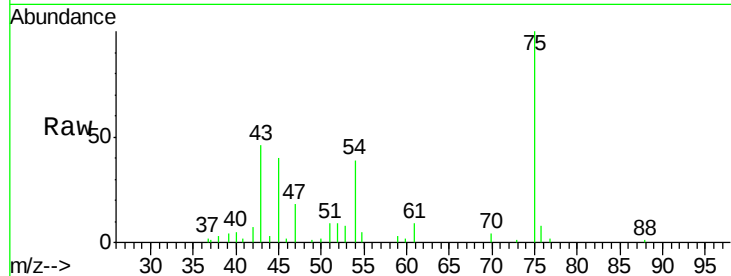




#37
Ethyl Acetate
Concen: 9.533 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

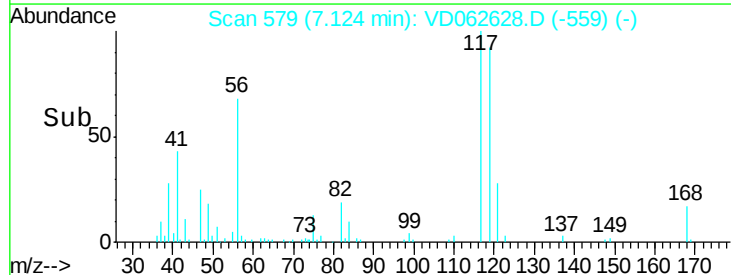
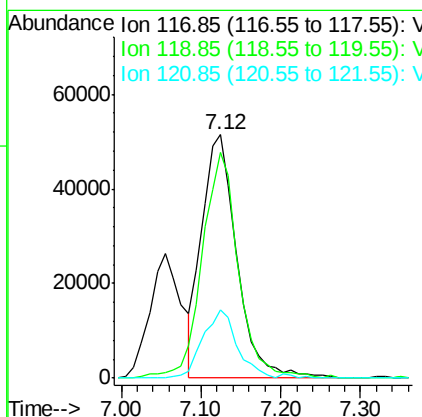
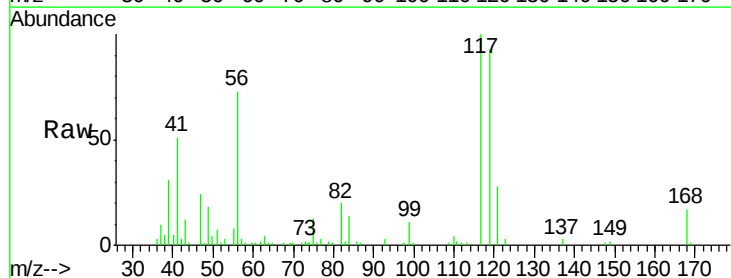
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

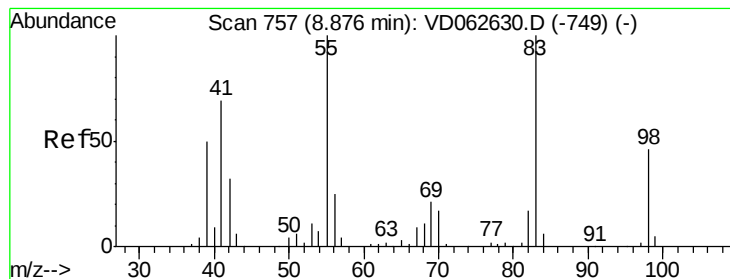
Tot Ion: 43 Resp: 39325
Ion Ratio Lower Upper
43 100
61 20.4 11.7 17.5#
70 9.5 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 10.273 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 117 Resp: 157550
Ion Ratio Lower Upper
117 100
119 92.7 81.0 121.4
121 28.0 26.2 39.4





#39

Methvlcvclohexane

Concen: 8.722 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

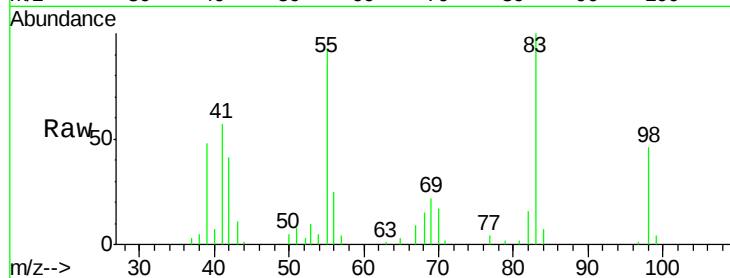
Tot Ion: 83 Resp: 75220

Ion Ratio Lower Upper

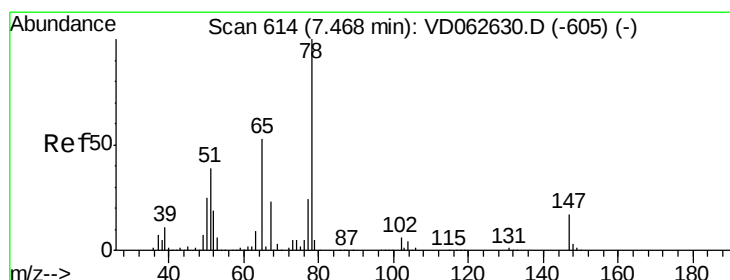
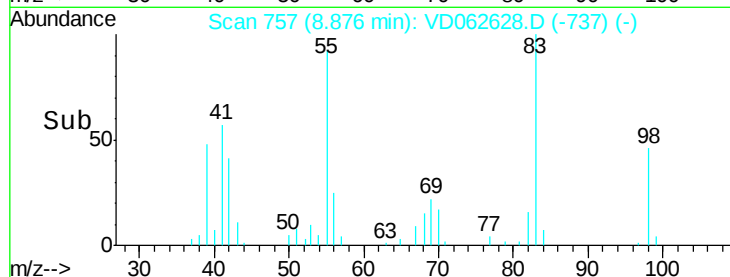
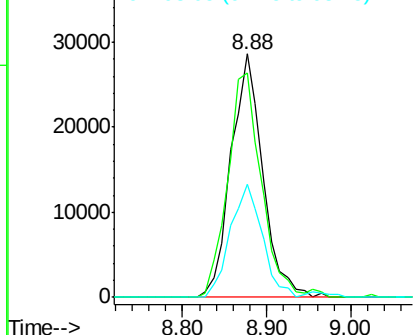
83 100

55 92.0 79.8 119.8

98 46.3 36.9 55.3



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: 8.467 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062628.D

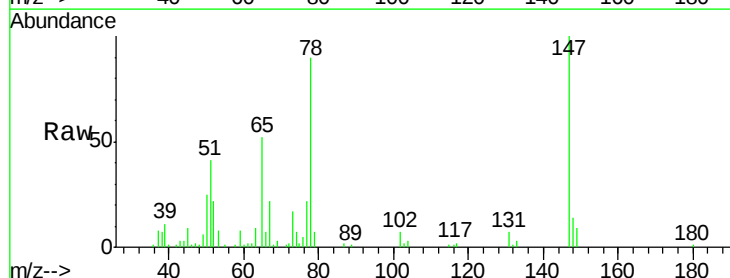
Acq: 6 Jun 2019 16:53

Tgt Ion: 78 Resp: 168265

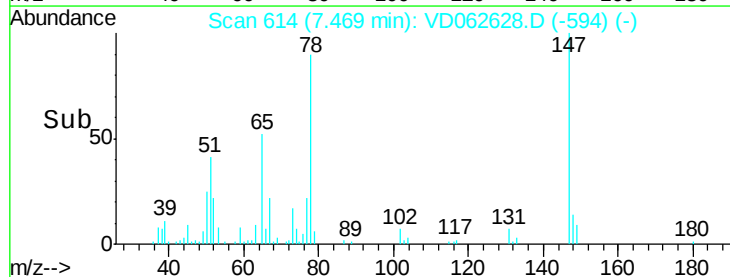
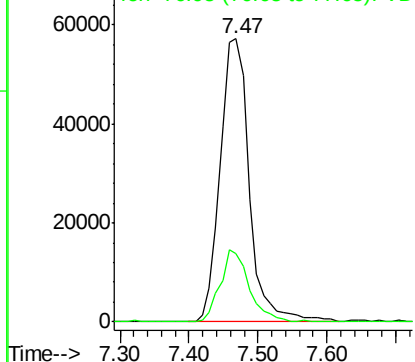
Ion Ratio Lower Upper

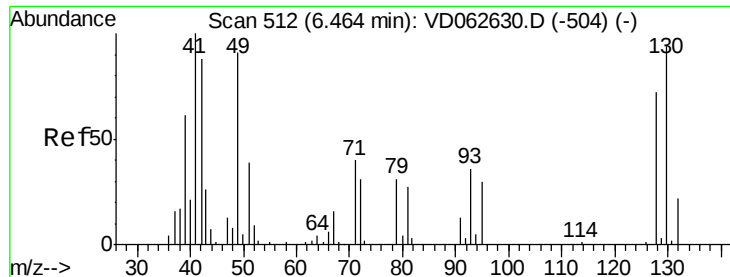
78 100

77 24.3 19.5 29.3



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

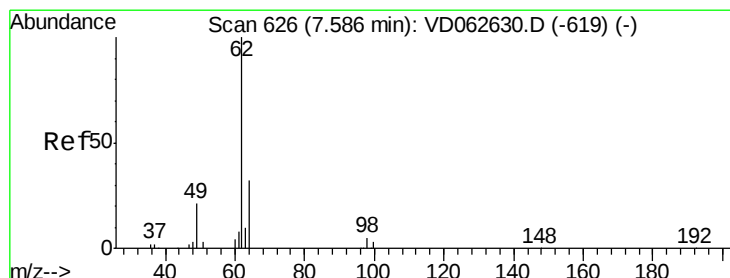
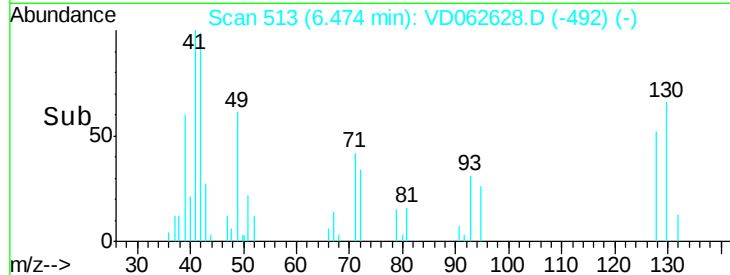
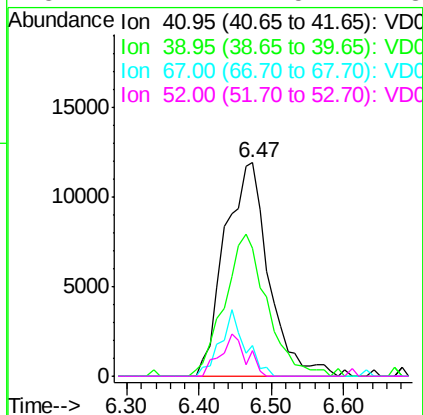
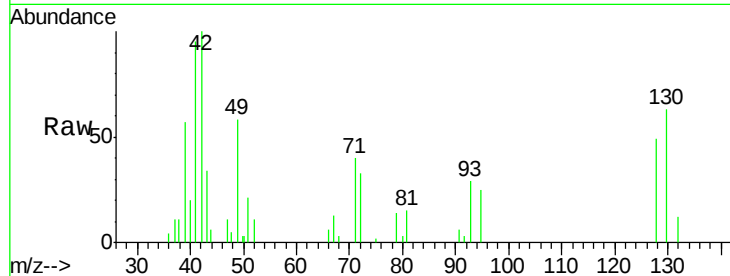




#41
Methacrylonitrile
Concen: 9.538 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

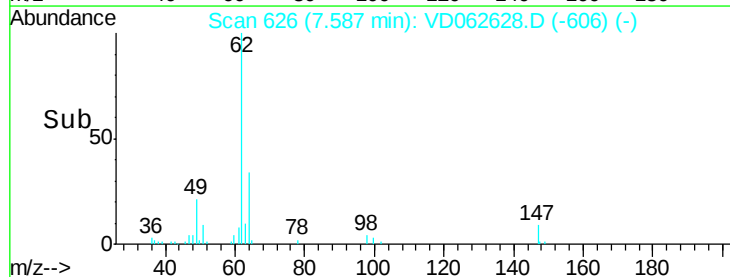
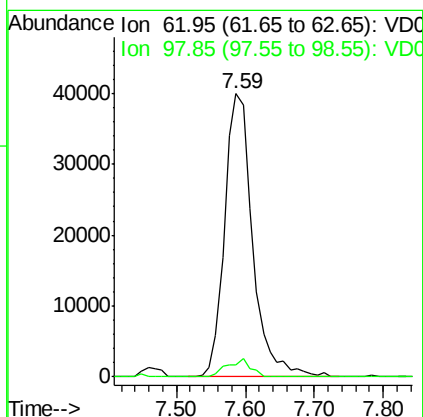
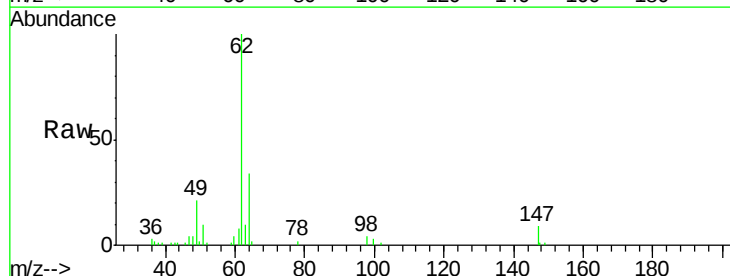
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

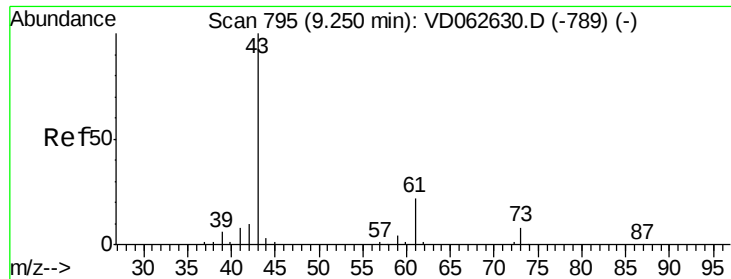
Tot Ion: 41 Resp: 50399
Ion Ratio Lower Upper
41 100
39 59.9 48.9 73.3
67 14.1 12.6 18.8
52 12.1 7.5 11.3#



#42
1,2-Dichloroethane
Concen: 9.486 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 62 Resp: 112617
Ion Ratio Lower Upper
62 100
98 4.4 0.0 9.6





#43

Isopropyl Acetate

Concen: 9.122 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

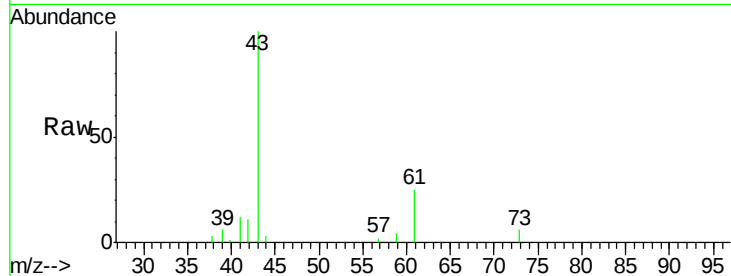
Tot Ion: 43 Resp: 51150

Ion Ratio Lower Upper

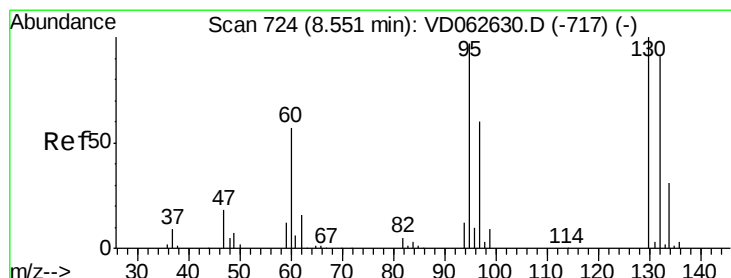
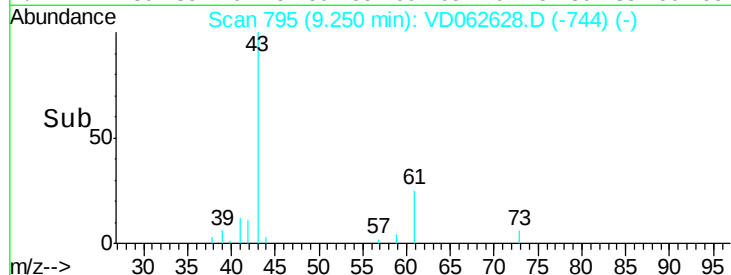
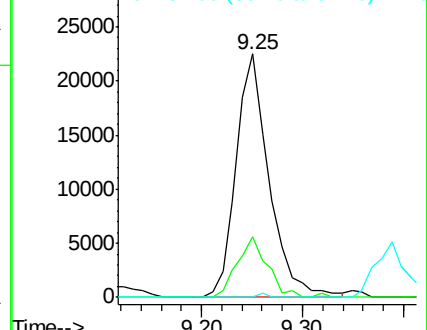
43 100

61 25.1 17.8 26.8

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: 8.984 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD062628.D

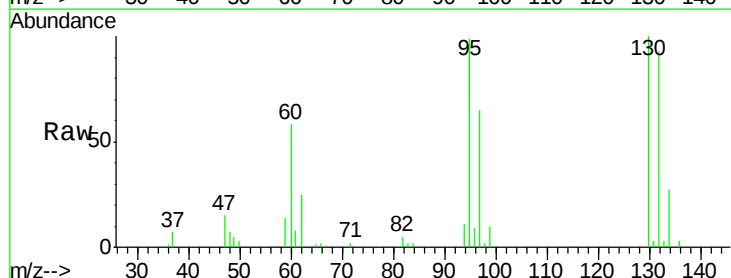
Acq: 6 Jun 2019 16:53

Tgt Ion:130 Resp: 73677

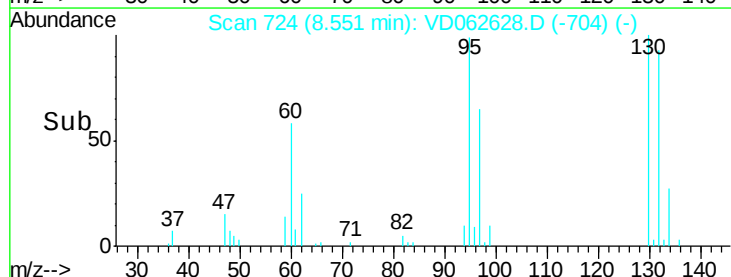
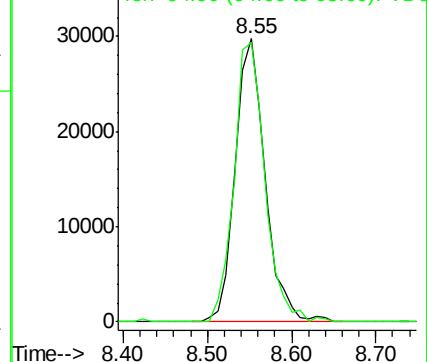
Ion Ratio Lower Upper

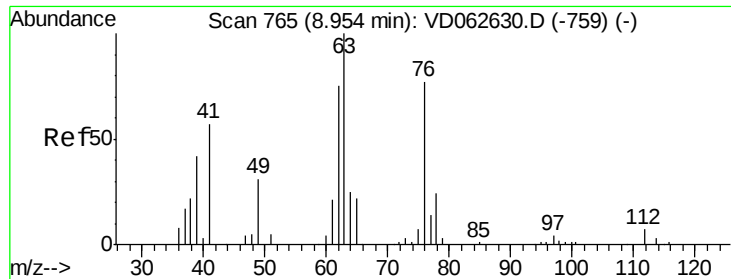
130 100

95 98.8 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

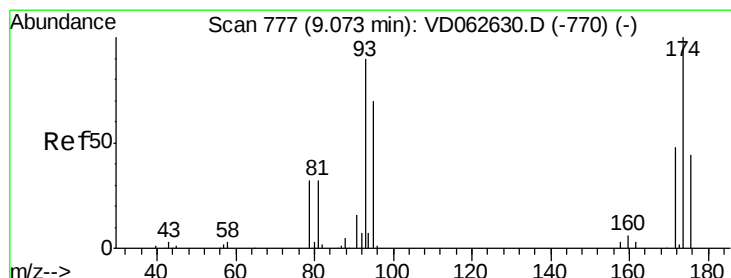
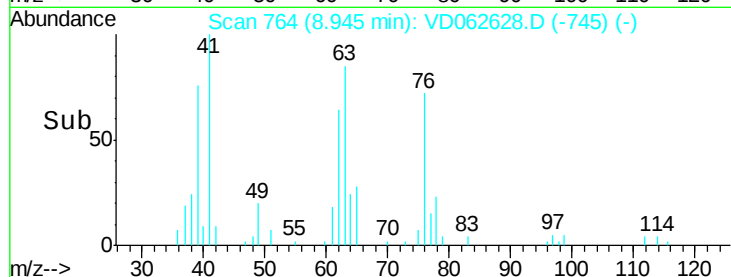
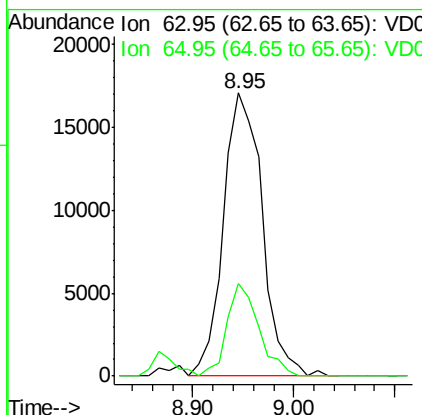
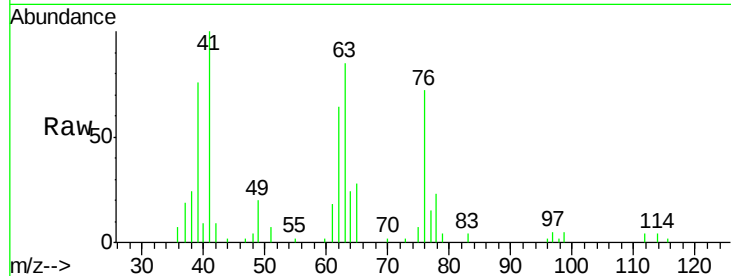




#45
 1,2-Dichloropropane
 Concen: 9.244 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

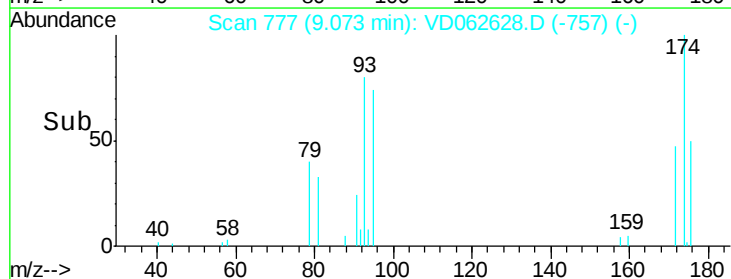
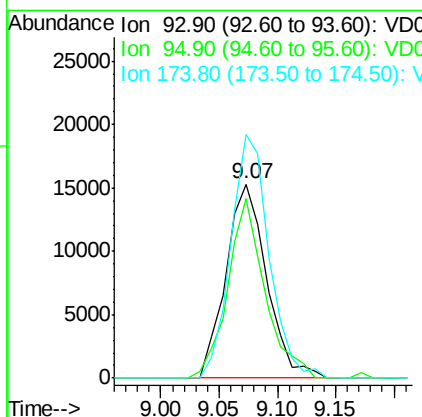
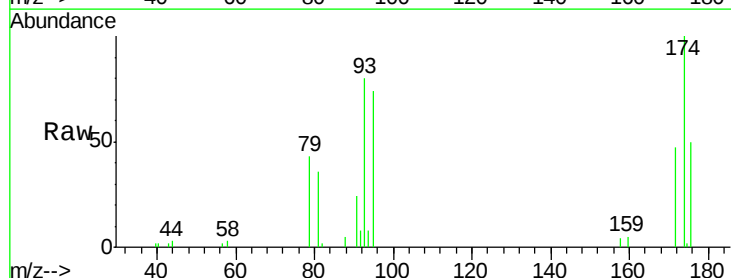
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

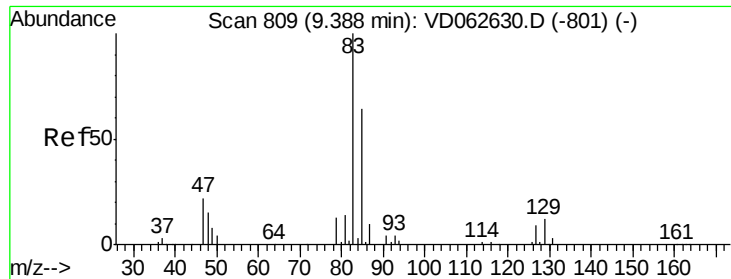
Tot Ion: 63 Resp: 45680
 Ion Ratio Lower Upper
 63 100
 65 32.6 20.1 30.1#



#46
 Dibromomethane
 Concen: 8.437 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 93 Resp: 36981
 Ion Ratio Lower Upper
 93 100
 95 92.2 62.8 94.2
 174 125.4 89.1 133.7





#47

Bromodichloromethane

Concen: 8.777 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

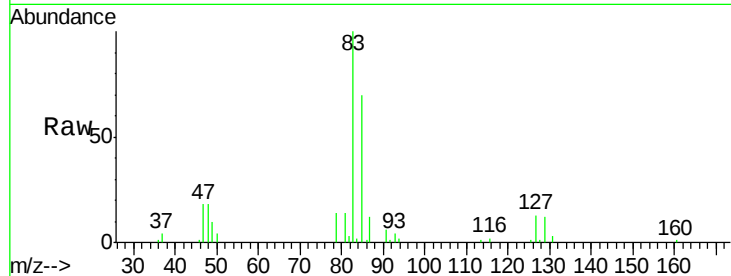
Tot Ion: 83 Resp: 103110

Ion Ratio Lower Upper

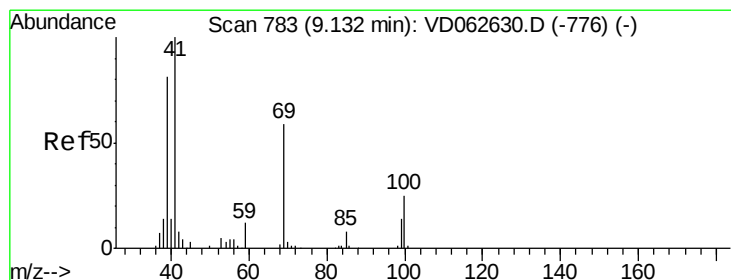
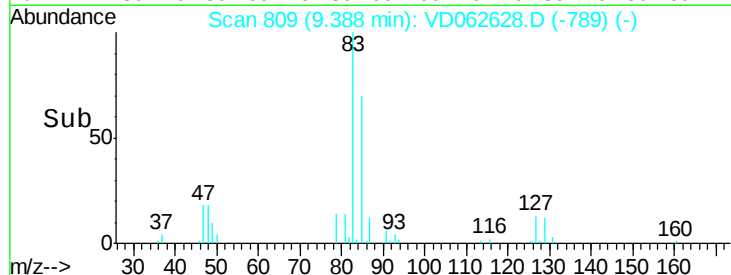
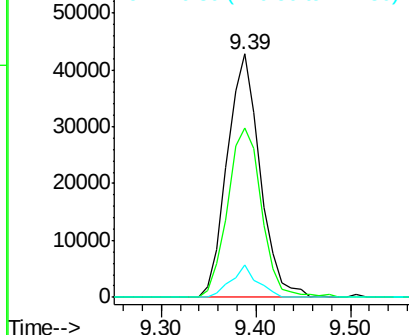
83 100

85 69.7 50.9 76.3

127 13.4 7.4 11.2#



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



#48

Methyl methacrylate

Concen: 9.182 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

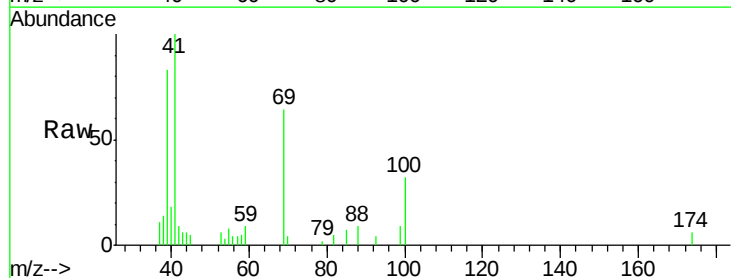
Tgt Ion: 41 Resp: 34745

Ion Ratio Lower Upper

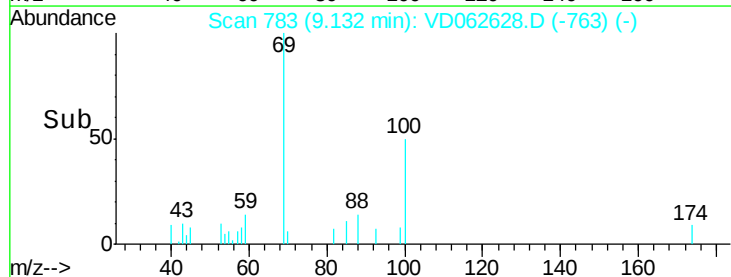
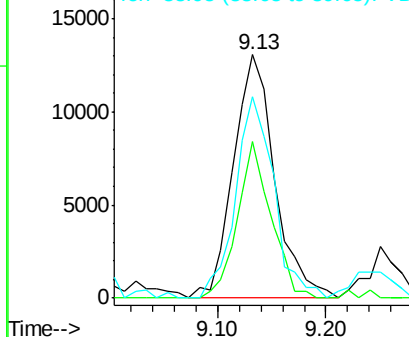
41 100

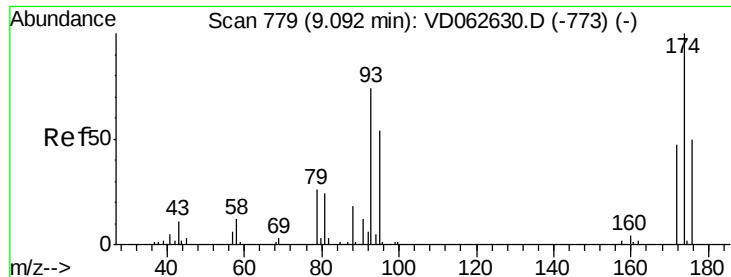
69 64.3 47.0 70.6

39 82.7 65.8 98.6



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

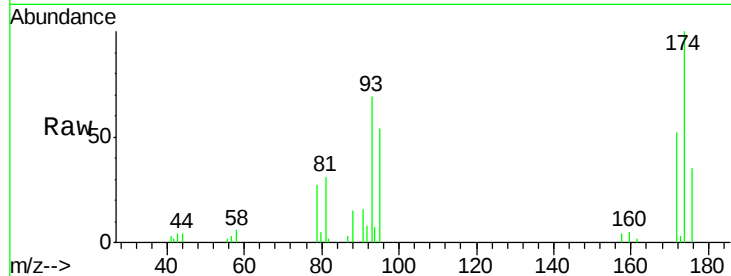




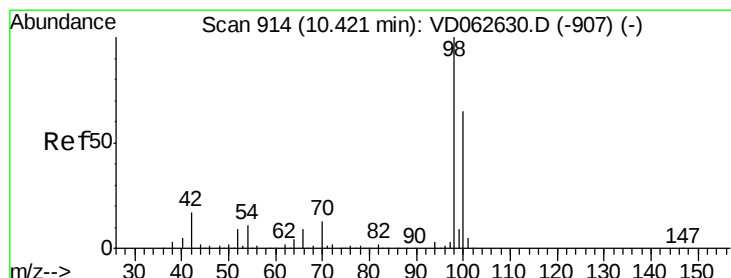
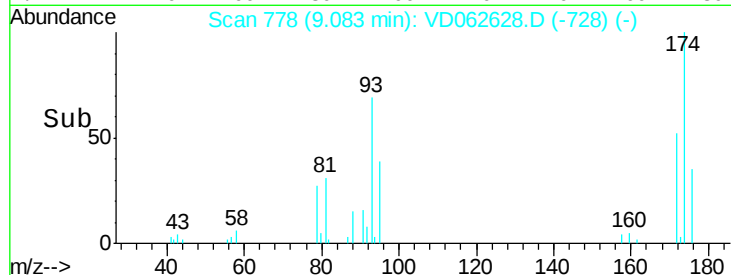
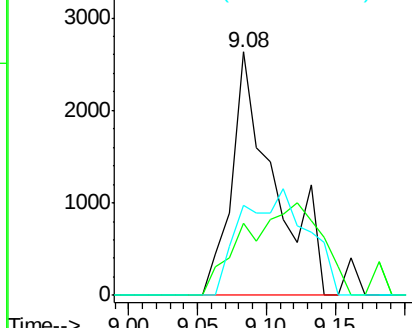
#49
1,4-Dioxane
Concen: 186.751 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 5662
Ion Ratio Lower Upper
88 100
43 29.7 50.2 75.2#
58 37.0 56.2 84.4#

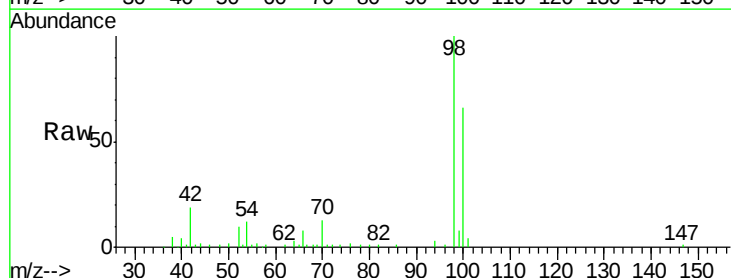


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

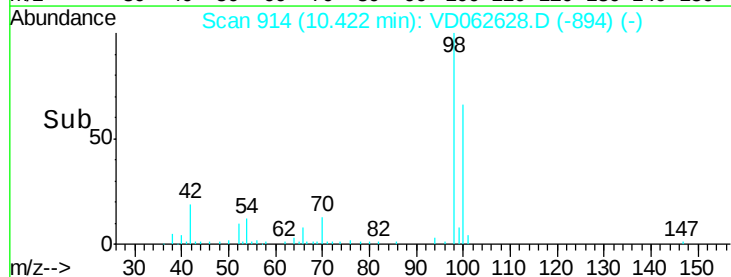
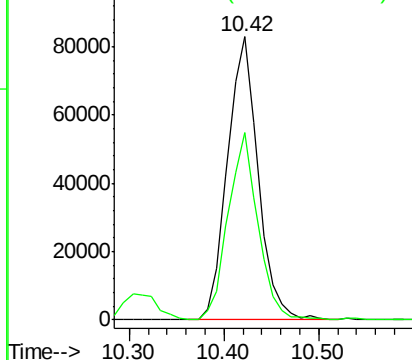


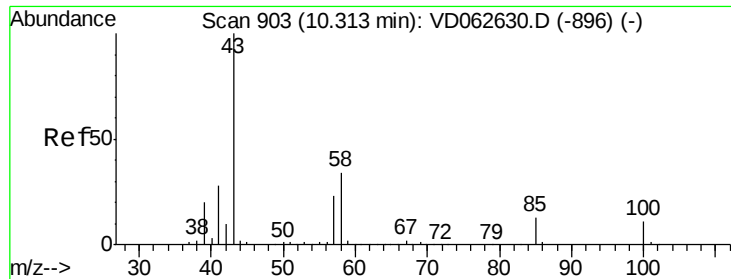
#50
Toluene-d8
Concen: 8.813 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 98 Resp: 186310
Ion Ratio Lower Upper
98 100
100 66.1 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: 48.779 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

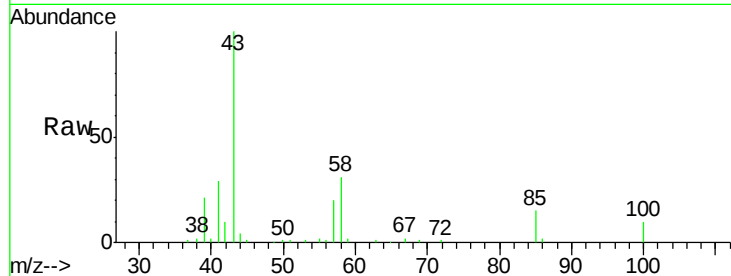
VSTDIC010

Tot Ion: 43 Resp: 180594

Ion Ratio Lower Upper

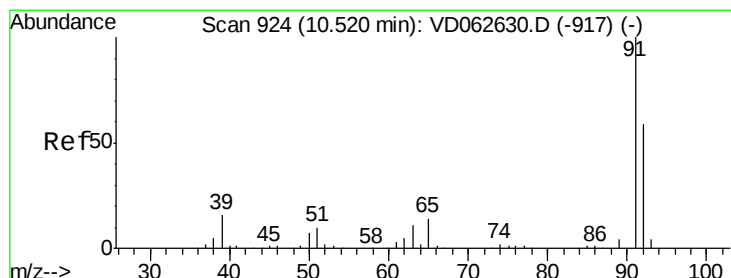
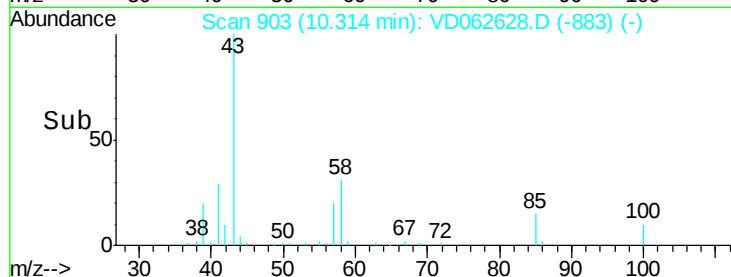
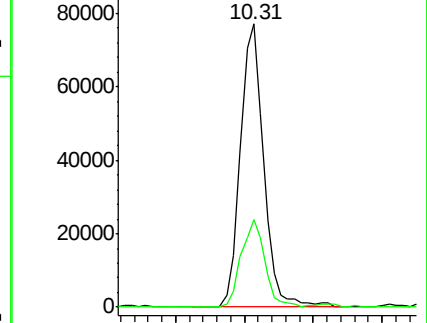
43 100

58 30.7 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 9.657 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062628.D

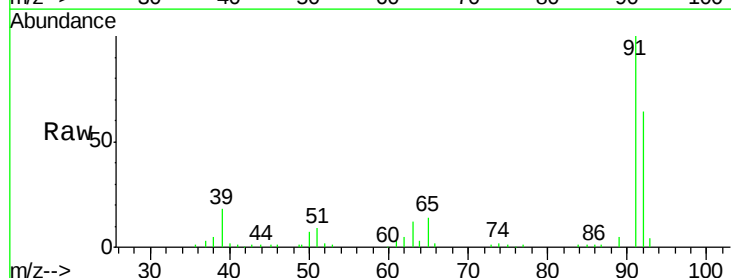
Acq: 6 Jun 2019 16:53

Tgt Ion: 92 Resp: 129505

Ion Ratio Lower Upper

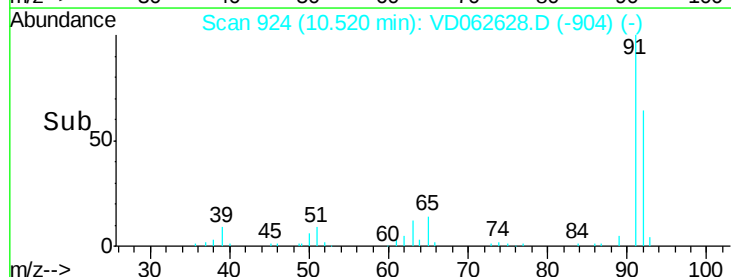
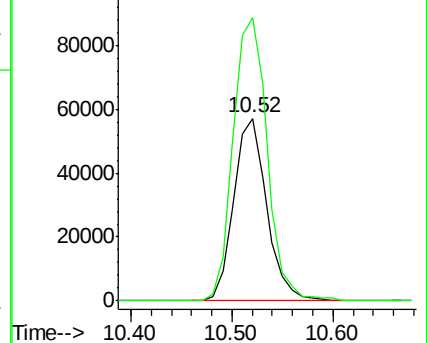
92 100

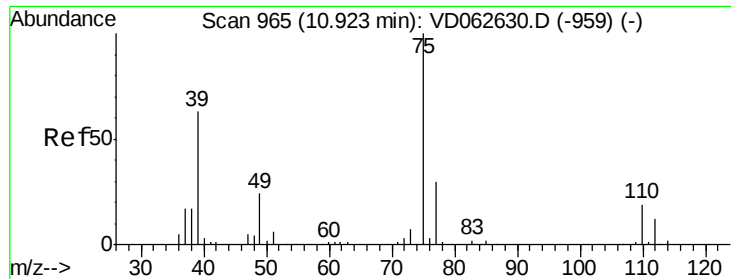
91 155.3 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

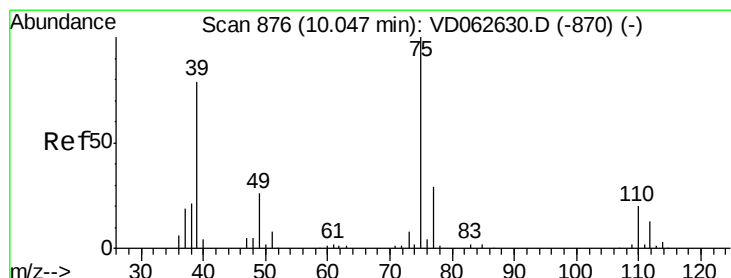
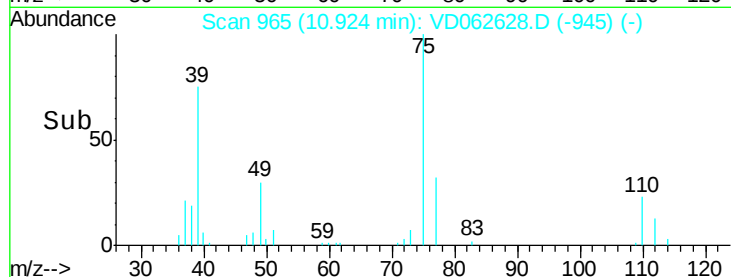
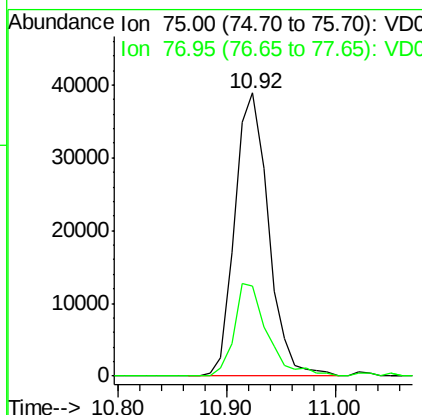
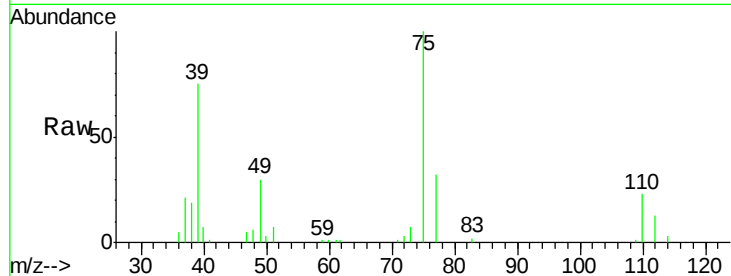




#53
 t-1,3-Dichloropropene
 Concen: 8.575 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

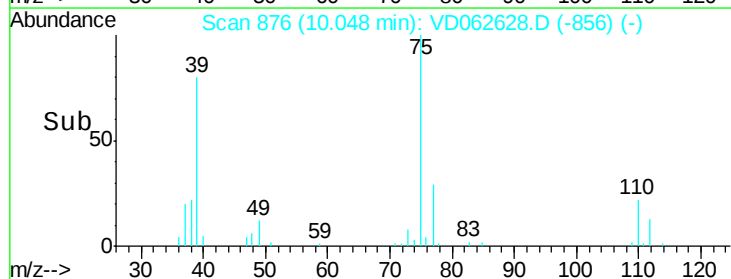
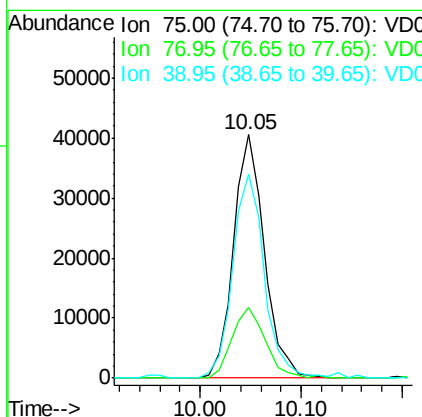
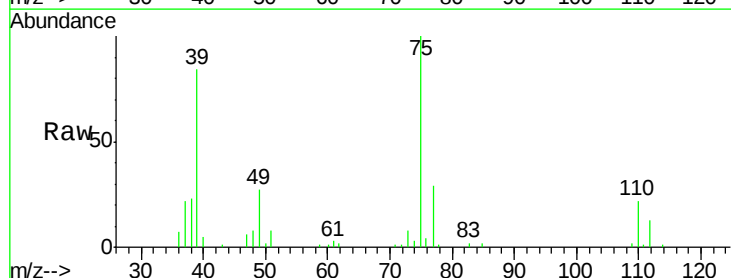
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

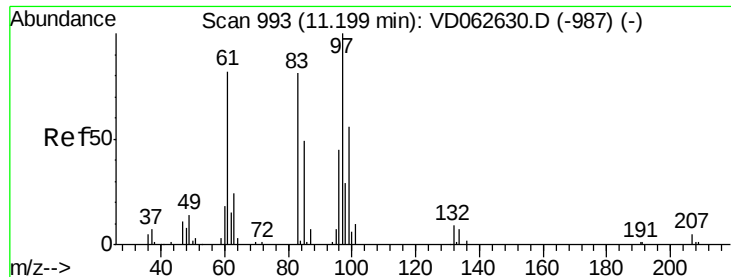
Tot Ion: 75 Resp: 84403
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.7 35.5



#54
 cis-1,3-Dichloropropene
 Concen: 8.635 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 75 Resp: 86028
 Ion Ratio Lower Upper
 75 100
 77 28.9 23.4 35.2
 39 83.6 63.0 94.4





#55

1,1,2-Trichloroethane

Concen: 10.298 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 47105

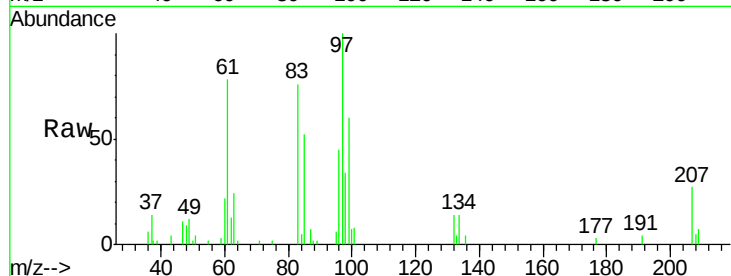
Ion Ratio Lower Upper

97 100

83 76.4 64.7 97.1

85 52.1 39.3 58.9

99 59.5 45.0 67.6

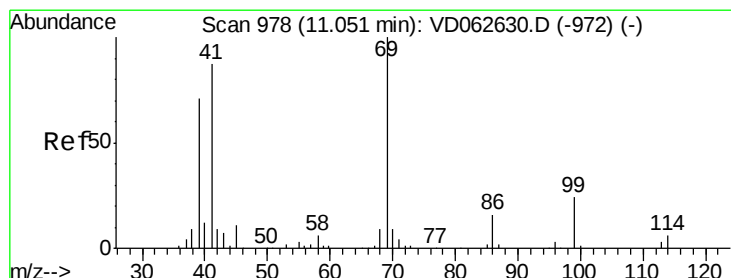
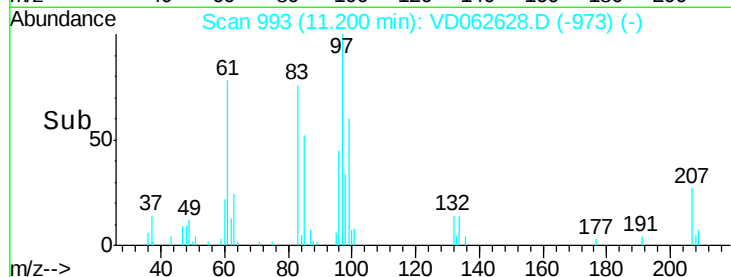
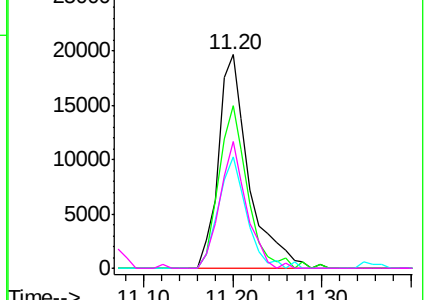


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 8.192 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

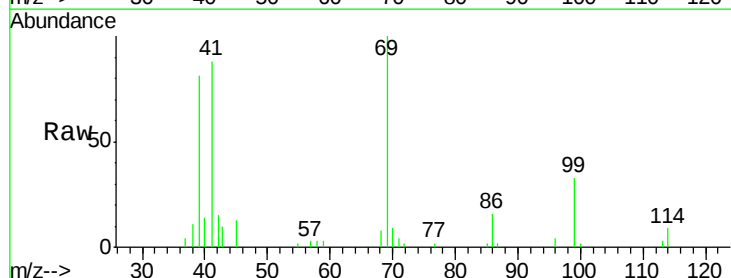
Tgt Ion: 69 Resp: 40501

Ion Ratio Lower Upper

69 100

41 87.6 69.8 104.8

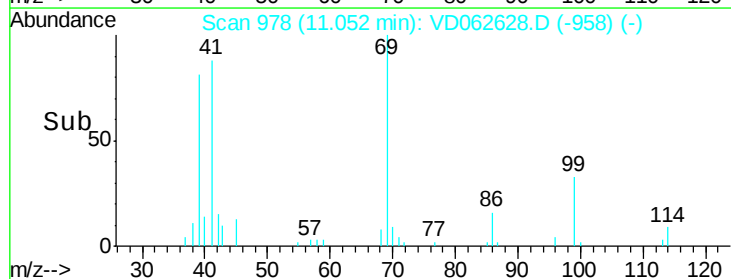
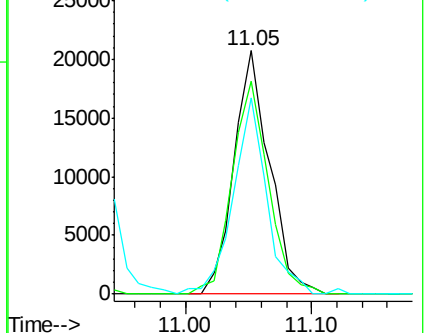
39 80.7 57.6 86.4

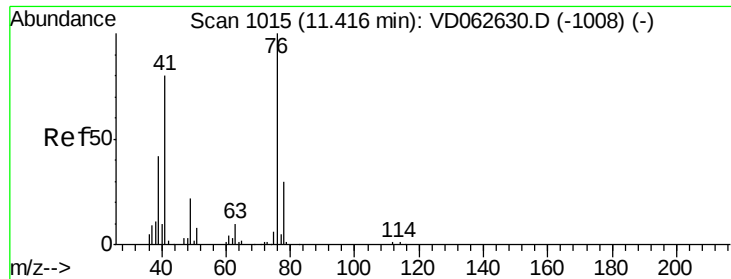


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

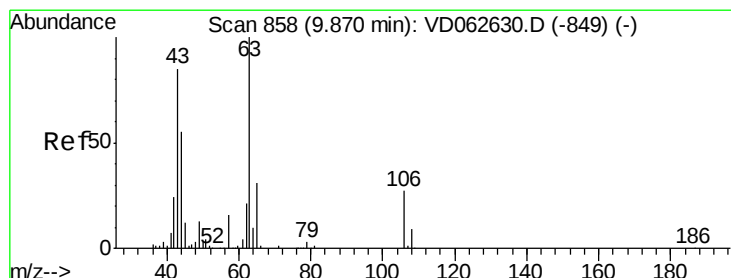
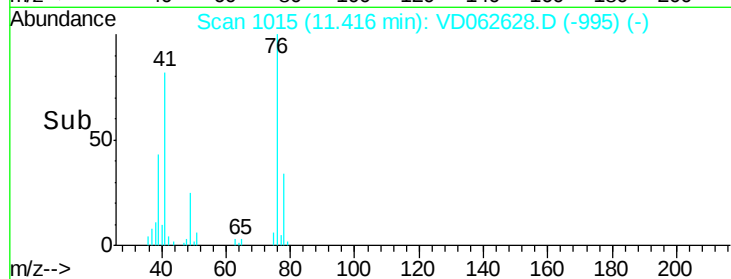
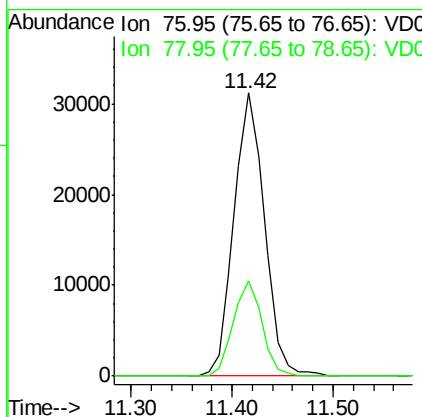
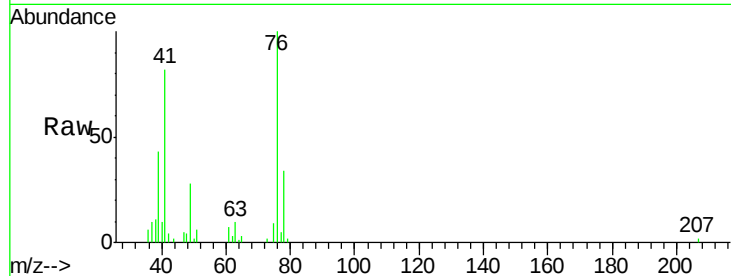




#57
 1,3-Dichloropropane
 Concen: 9.366 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

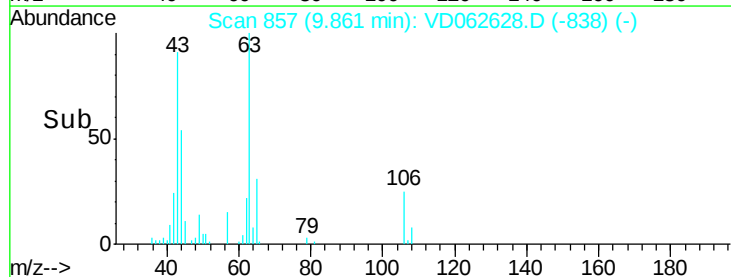
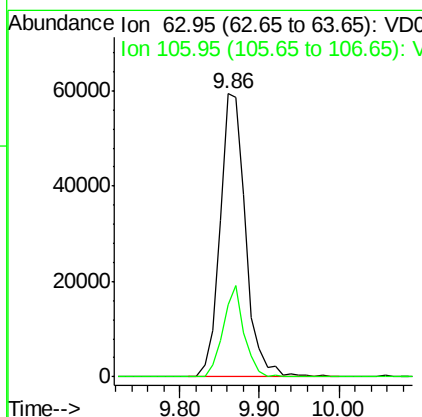
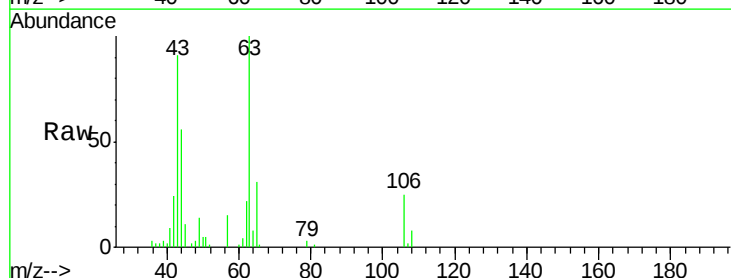
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

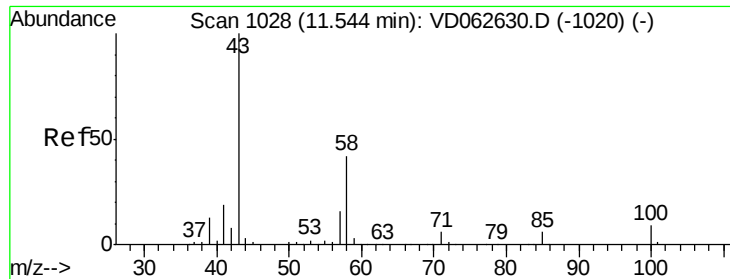
Tot Ion: 76 Resp: 65962
 Ion Ratio Lower Upper
 76 100
 78 33.8 23.8 35.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 51.506 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 63 Resp: 133839
 Ion Ratio Lower Upper
 63 100
 106 25.4 21.8 32.8

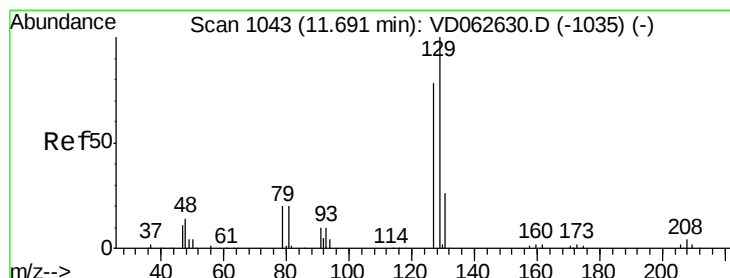
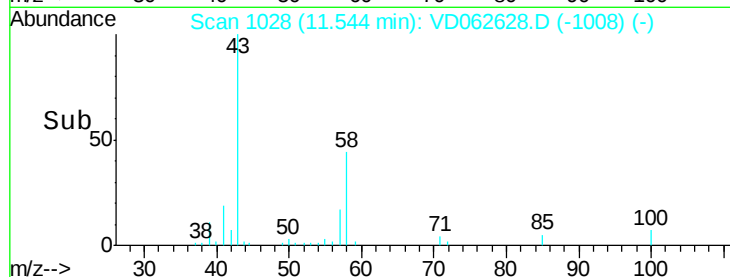
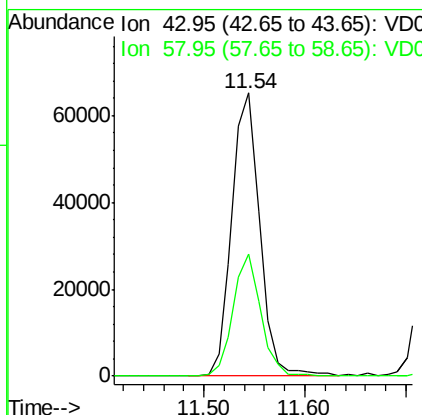
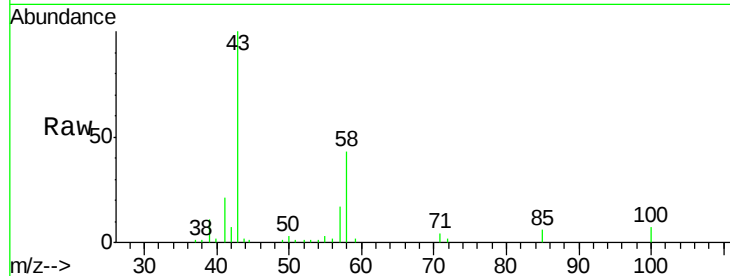




#59
2-Hexanone
Concen: 45.062 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

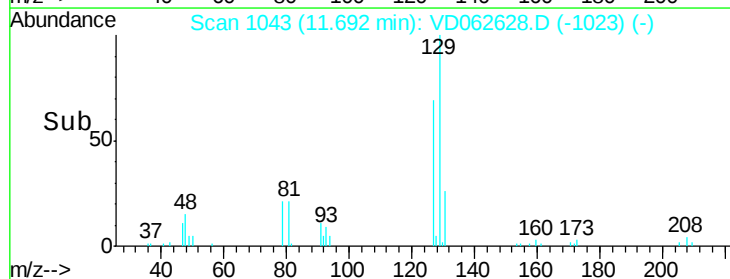
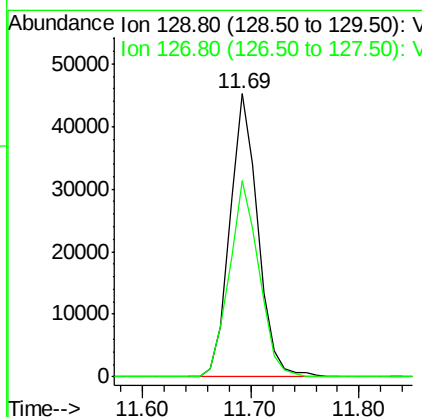
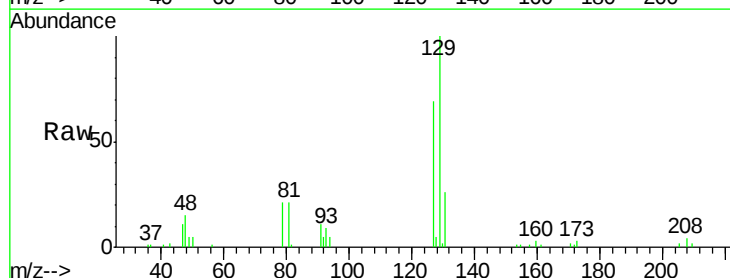
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

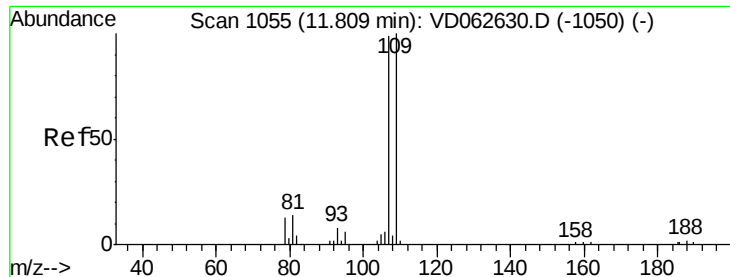
Tot Ion: 43 Resp: 125809
Ion Ratio Lower Upper
43 100
58 43.0 20.8 62.4



#60
Dibromochloromethane
Concen: 9.140 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 129 Resp: 81688
Ion Ratio Lower Upper
129 100
127 69.5 38.9 116.6

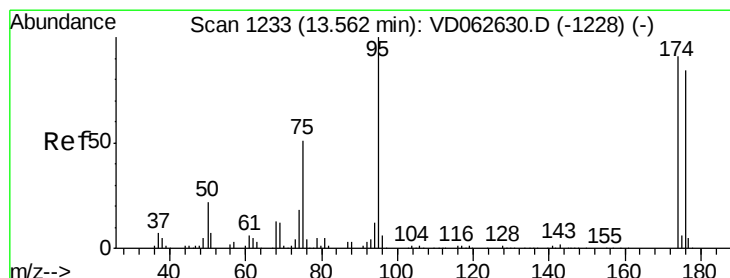
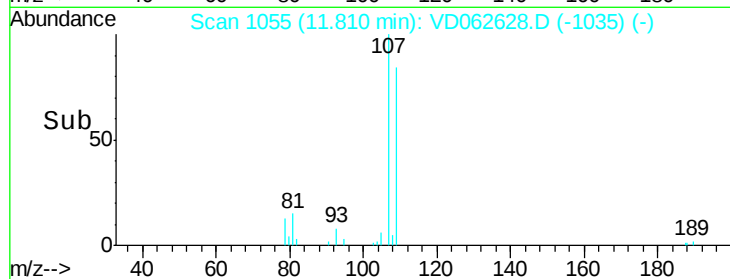
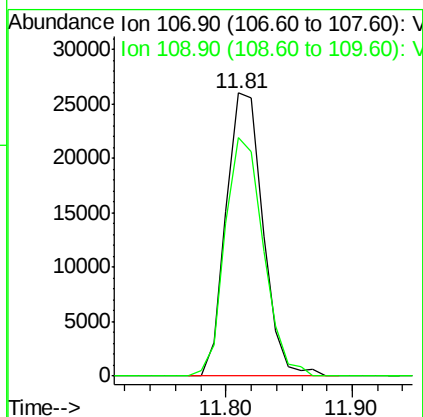
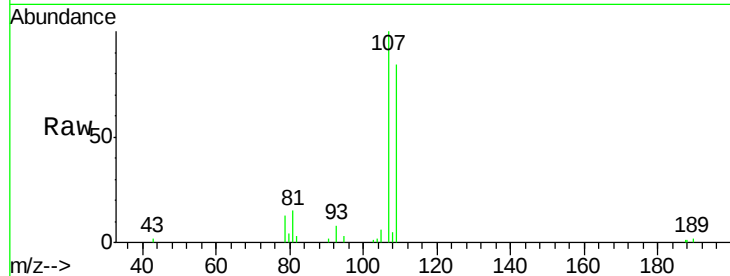




#61
 1,2-Dibromoethane
 Concen: 9.400 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

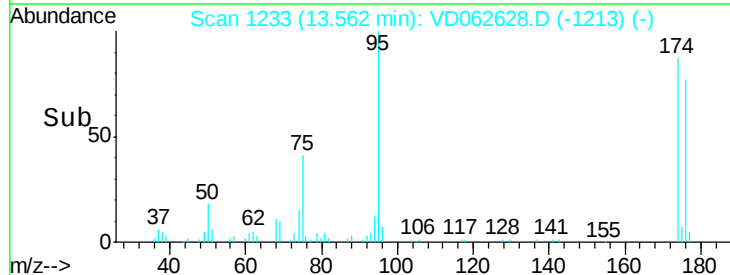
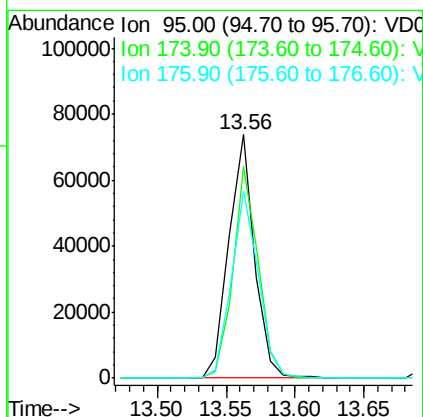
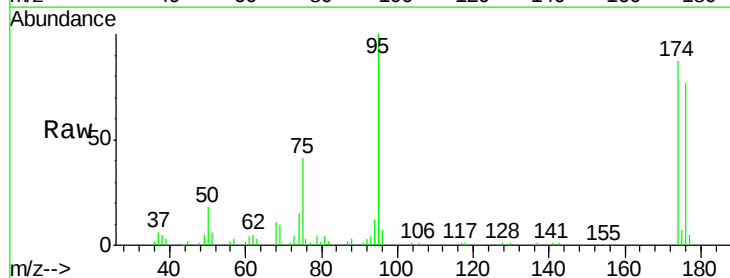
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

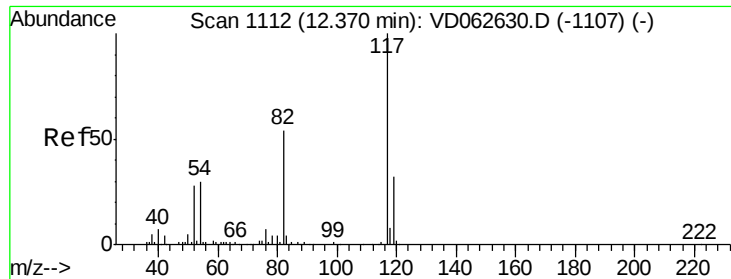
Tot Ion:107 Resp: 52475
 Ion Ratio Lower Upper
 107 100
 109 84.3 80.9 121.3



#62
 4-Bromofluorobenzene
 Concen: 9.688 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 95 Resp: 95356
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 181.6
 176 76.7 0.0 168.6

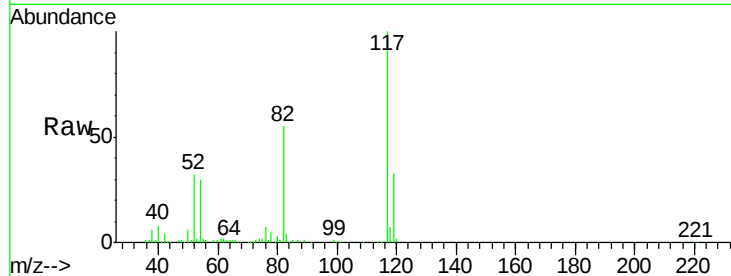




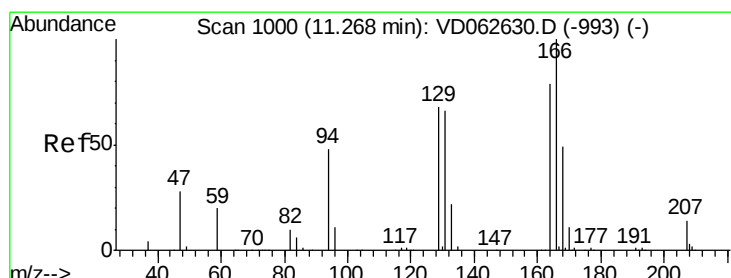
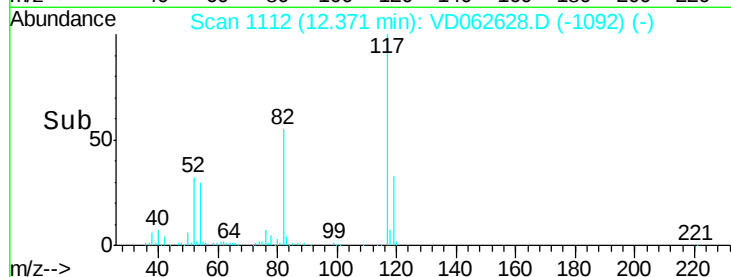
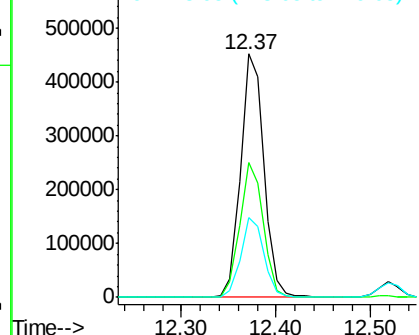
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 770072
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.6
119 32.7 25.9 38.9

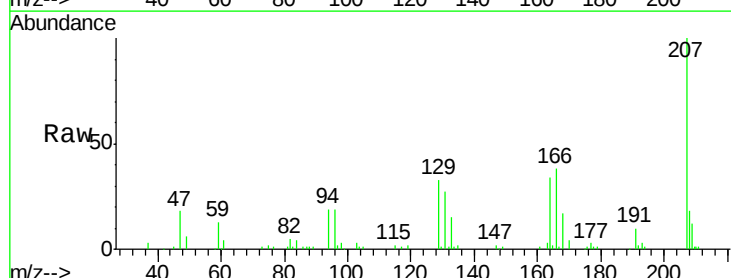


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

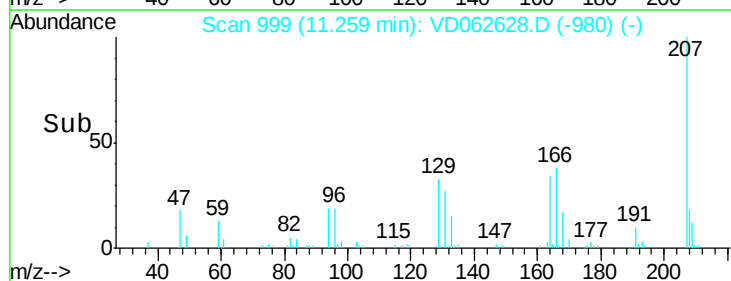
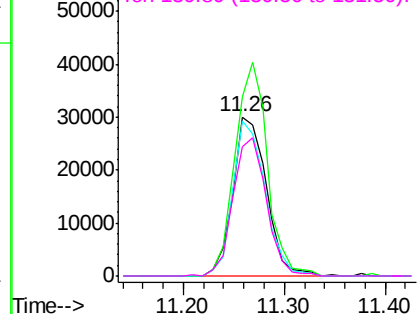


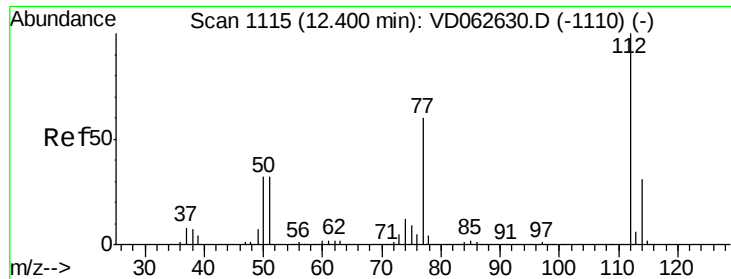
#64
Tetrachloroethene
Concen: 10.107 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion:164 Resp: 69430
Ion Ratio Lower Upper
164 100
166 112.5 101.0 151.6
129 97.3 68.2 102.4
131 81.4 66.9 100.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 9.516 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.01 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

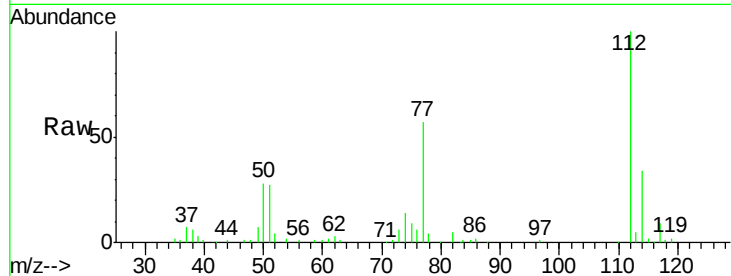
VSTDIC010

Tot Ion:112 Resp: 150542

Ion Ratio Lower Upper

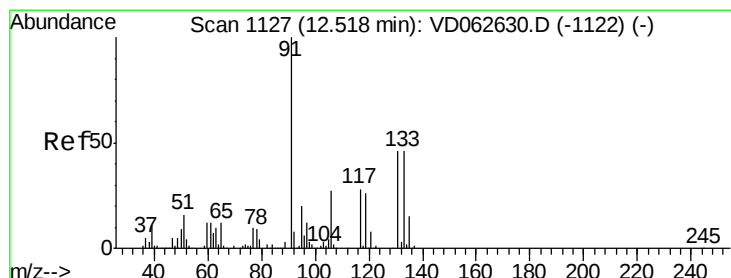
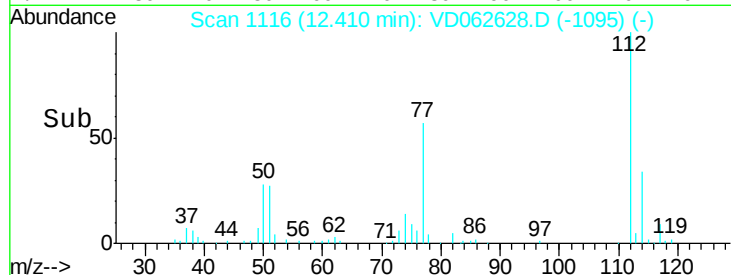
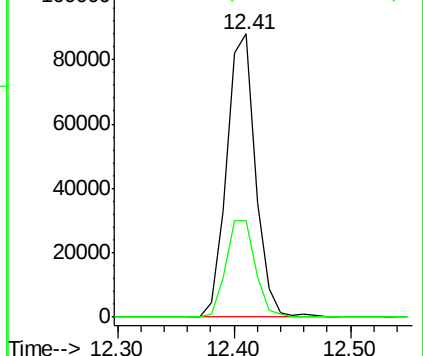
112 100

114 34.2 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.099 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

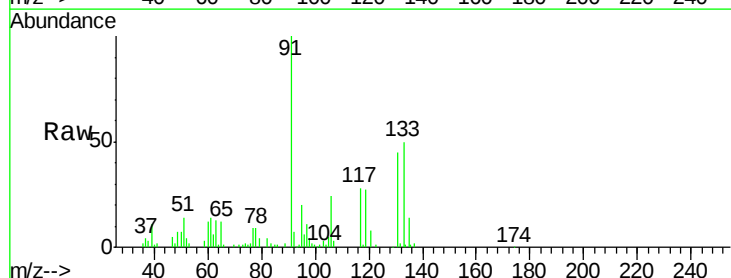
Tgt Ion:131 Resp: 77061

Ion Ratio Lower Upper

131 100

133 112.2 49.9 149.7

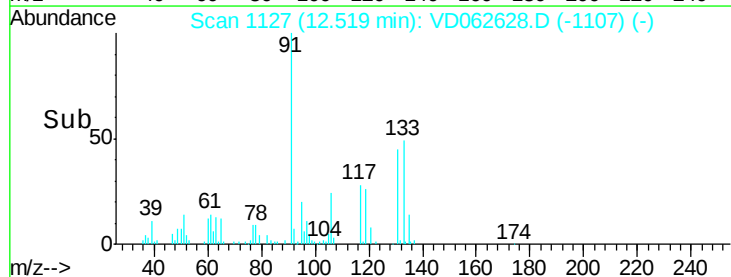
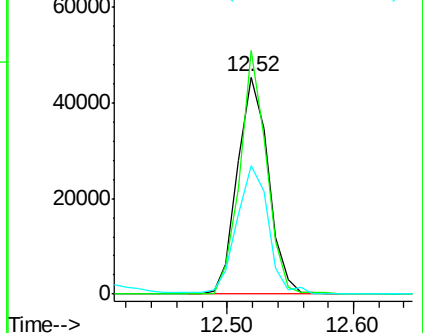
119 59.1 28.0 84.0

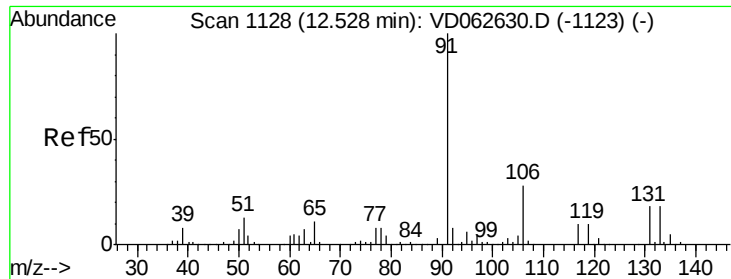


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

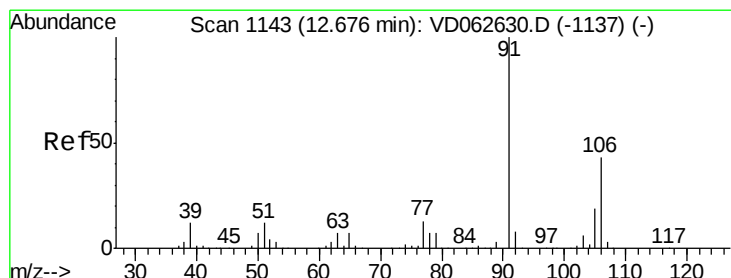
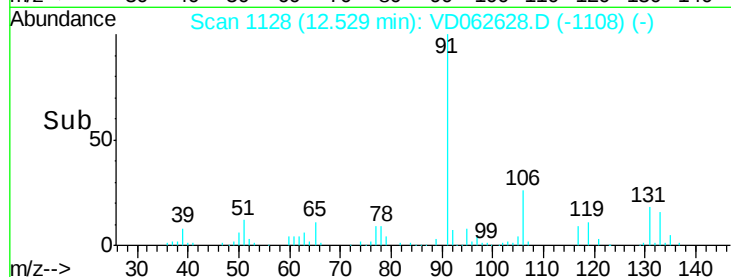
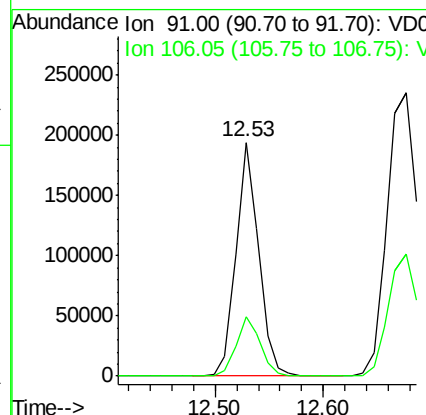
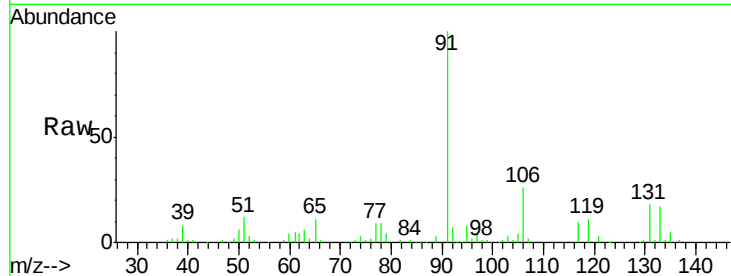




#67
Ethyl Benzene
Concen: 9.862 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

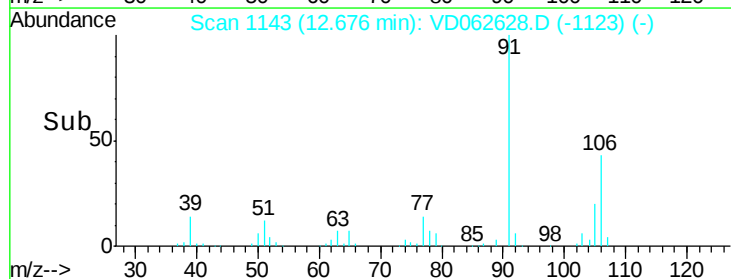
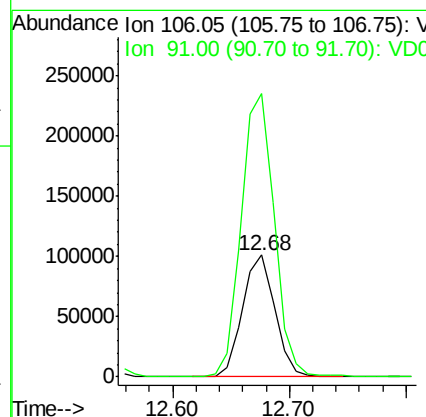
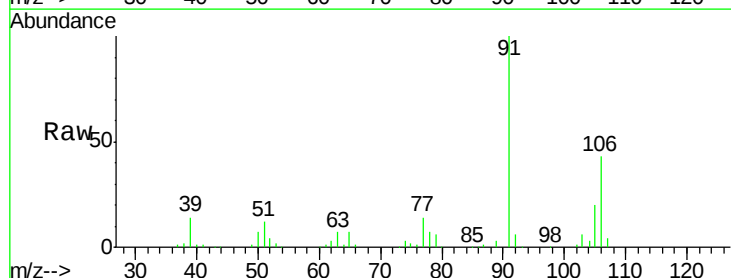
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

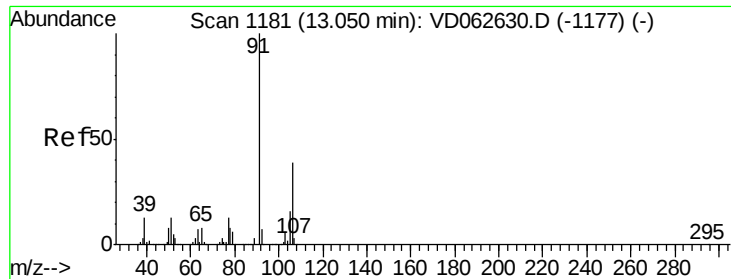
Tot Ion: 91 Resp: 283998
Ion Ratio Lower Upper
91 100
106 25.5 22.2 33.2



#68
m/p-Xylenes
Concen: 19.388 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 106 Resp: 193702
Ion Ratio Lower Upper
106 100
91 232.5 184.7 277.1

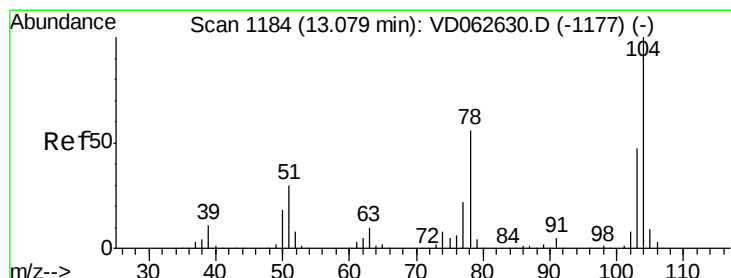
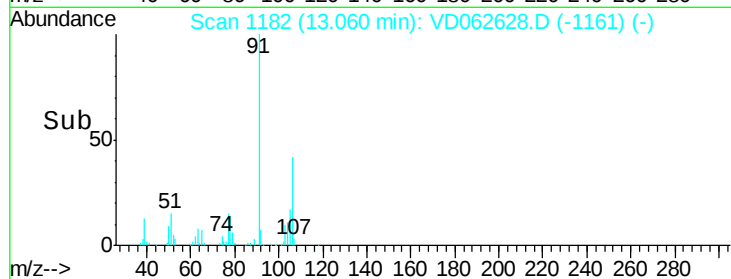
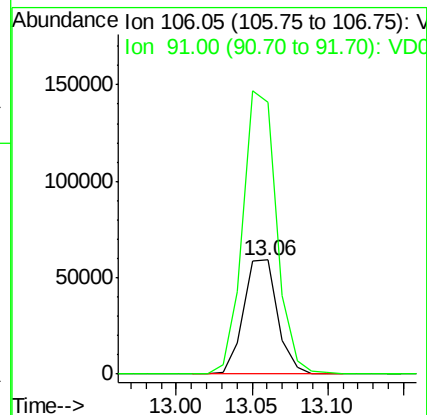
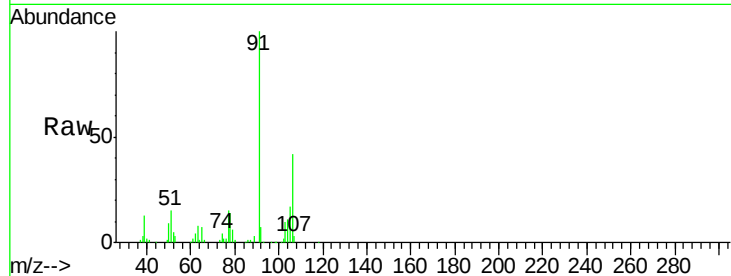




#69
o-Xylene
Concen: 9.651 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

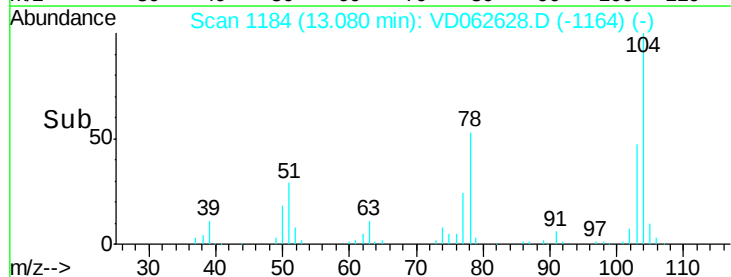
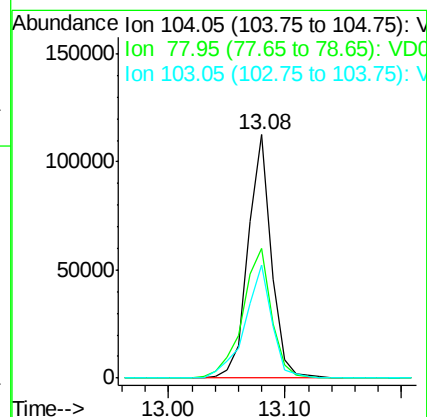
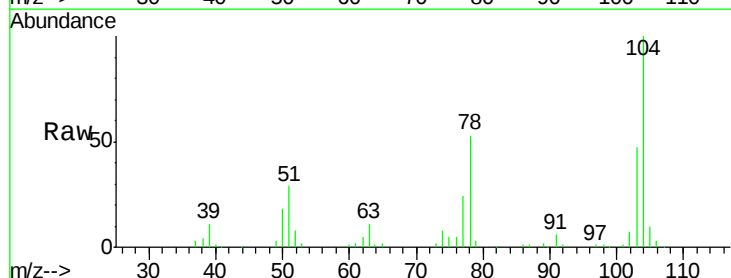
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

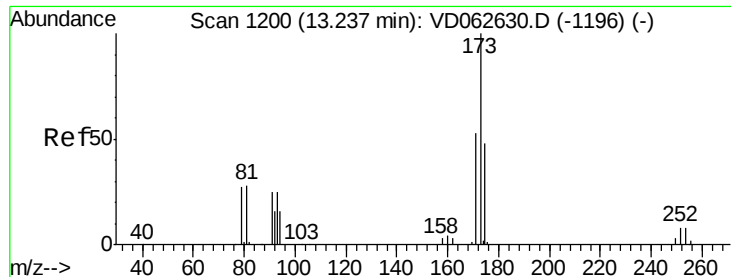
Tot Ion:106 Resp: 92442
Ion Ratio Lower Upper
106 100
91 237.9 127.0 380.9



#70
Styrene
Concen: 9.603 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion:104 Resp: 155093
Ion Ratio Lower Upper
104 100
78 53.4 44.4 66.6
103 46.6 37.4 56.0





#71

Bromoform

Concen: 9.389 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

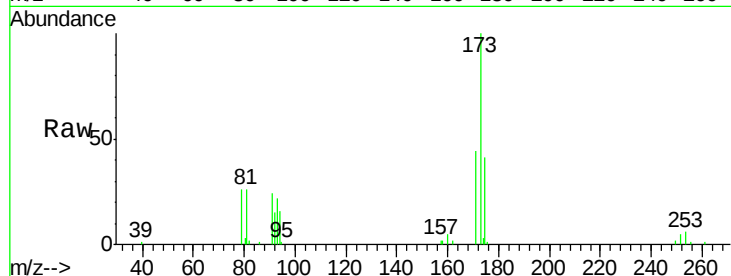
Tot Ion:173 Resp: 48948

Ion Ratio Lower Upper

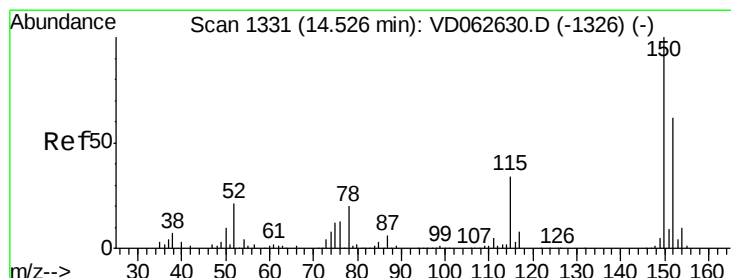
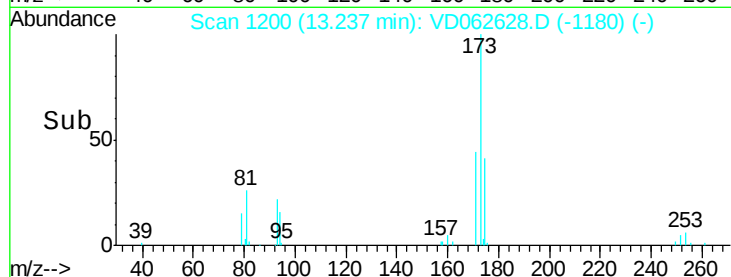
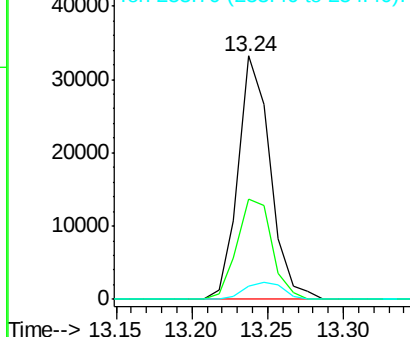
173 100

175 41.4 23.9 71.8

254 5.5 6.2 9.2#



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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

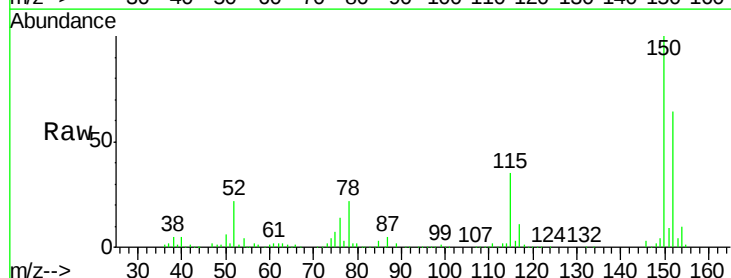
Tgt Ion:152 Resp: 441618

Ion Ratio Lower Upper

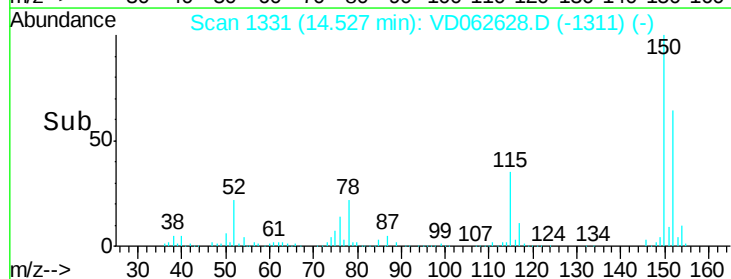
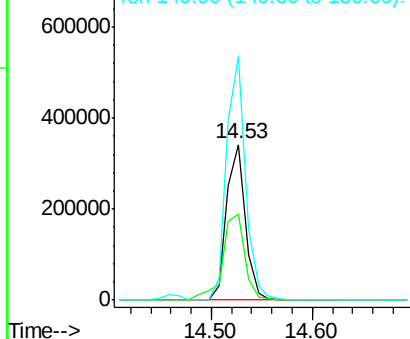
152 100

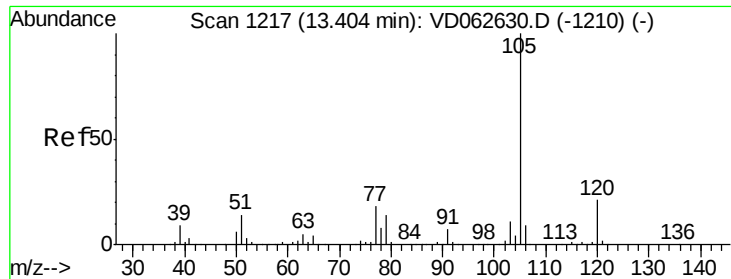
115 55.2 28.7 86.1

150 156.6 0.0 328.8



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: 9.548 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

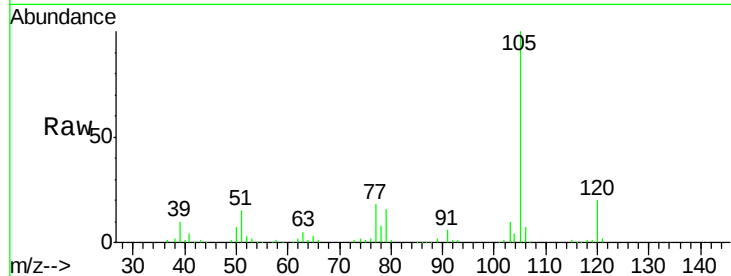
VSTDIC010

Tot Ion:105 Resp: 291260

Ion Ratio Lower Upper

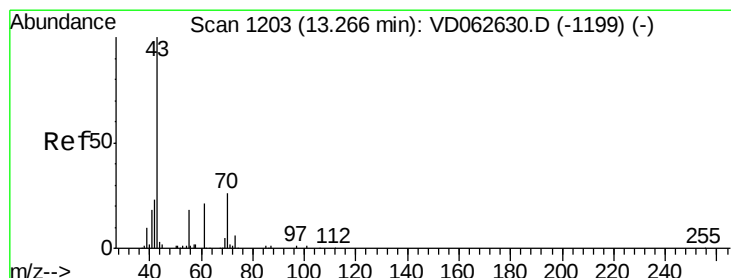
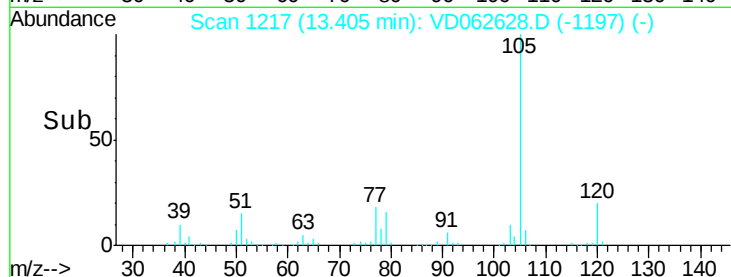
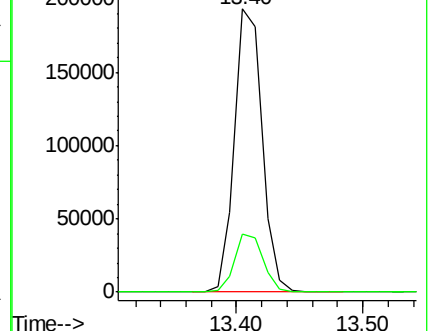
105 100

120 20.4 10.4 31.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 8.579 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Tgt Ion: 43 Resp: 67688

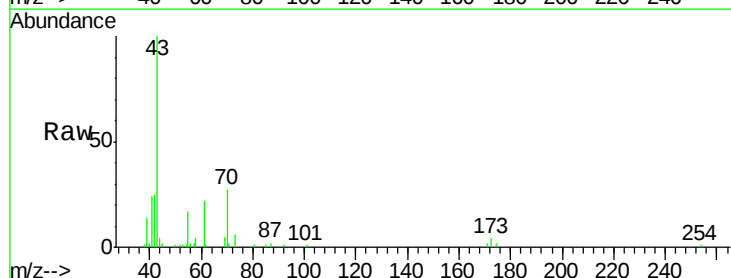
Ion Ratio Lower Upper

43 100

70 26.6 21.0 31.6

55 16.8 14.6 21.8

61 22.1 16.5 24.7

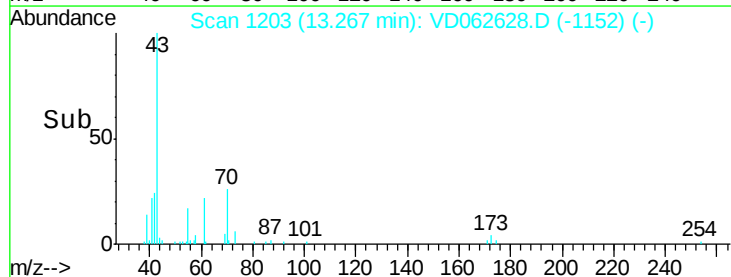
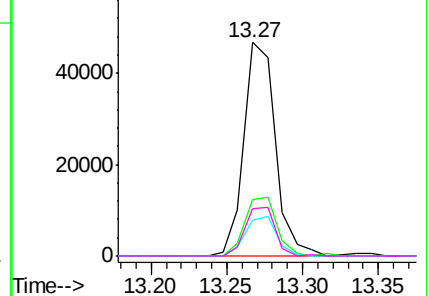


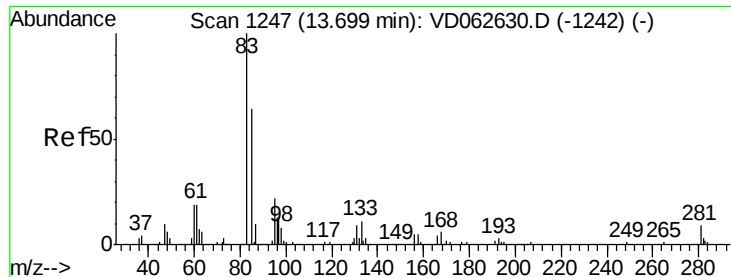
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 8.699 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

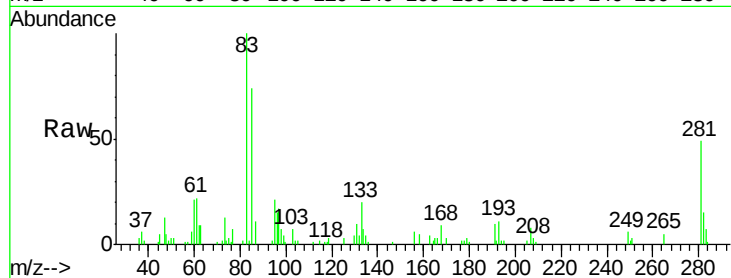
MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 44256

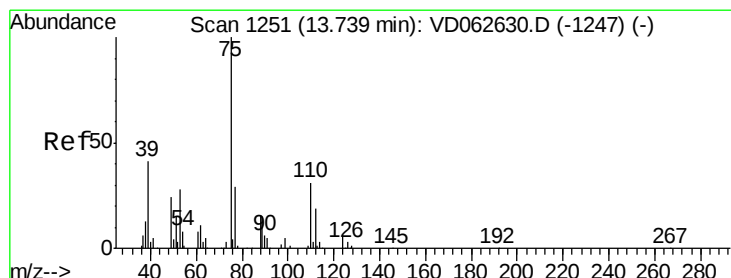
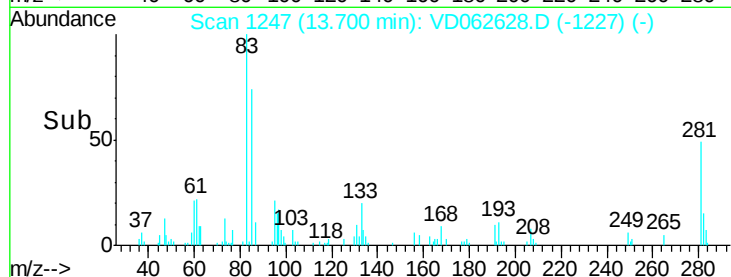
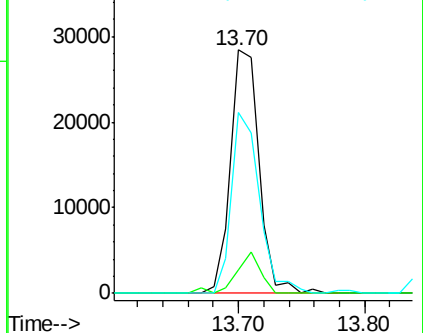
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.6	13.8
85	74.2	32.0	96.2



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: 8.889 ug/l

RT: 13.74 min Scan# 1251

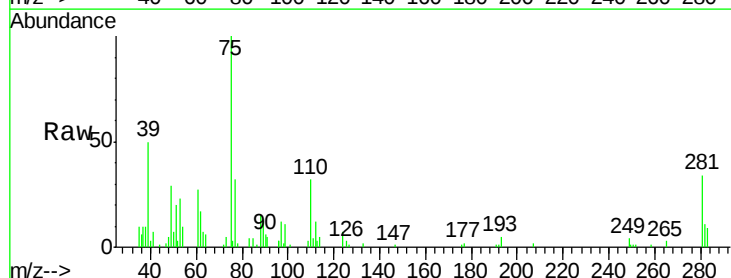
Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

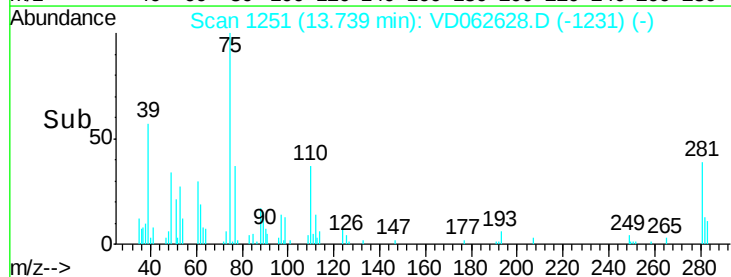
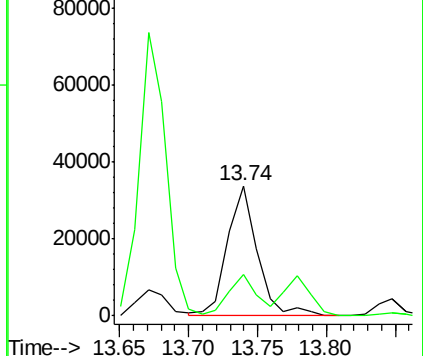
Tgt Ion: 75 Resp: 51400

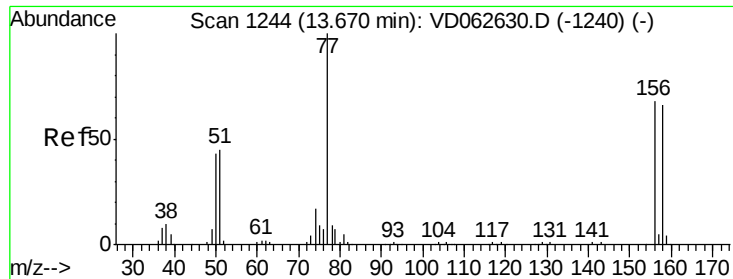
Ion	Ratio	Lower	Upper
75	100		
77	31.6	16.6	49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 9.774 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

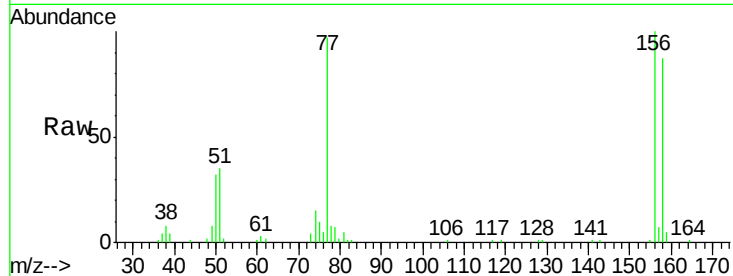
Tot Ion:156 Resp: 82413

Ion Ratio Lower Upper

156 100

77 97.4 73.5 220.3

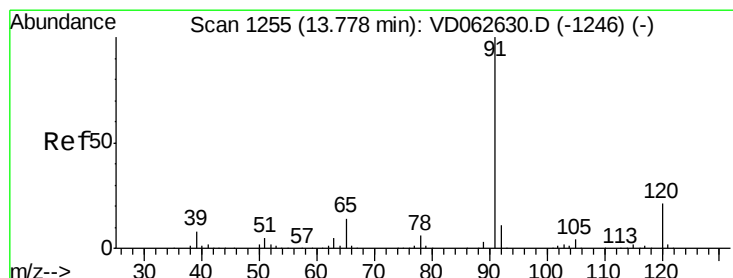
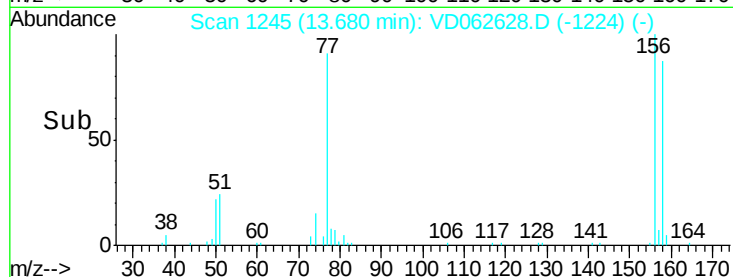
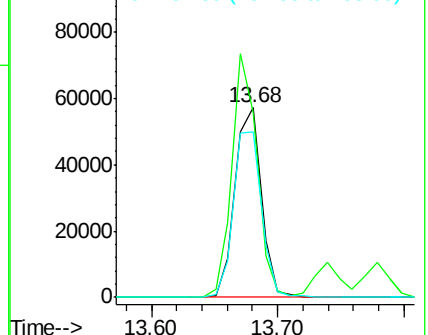
158 87.5 48.2 144.6



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: 9.149 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062628.D

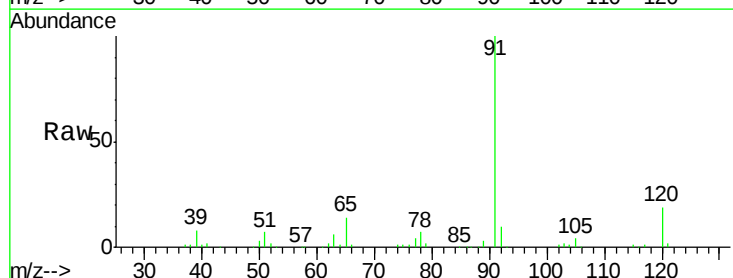
Acq: 6 Jun 2019 16:53

Tgt Ion: 91 Resp: 327667

Ion Ratio Lower Upper

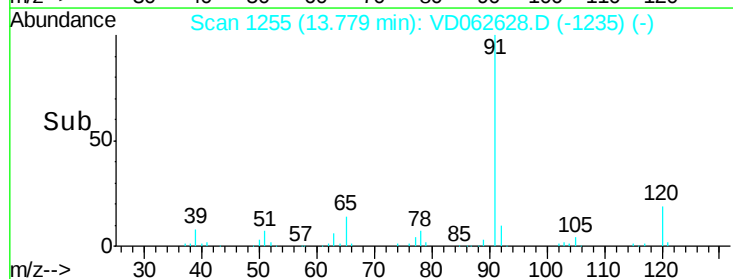
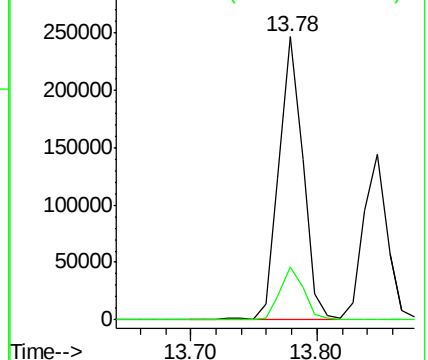
91 100

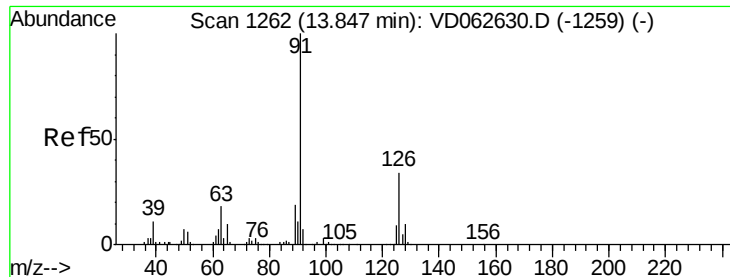
120 18.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

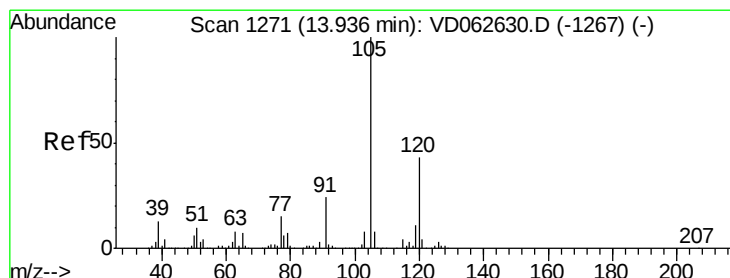
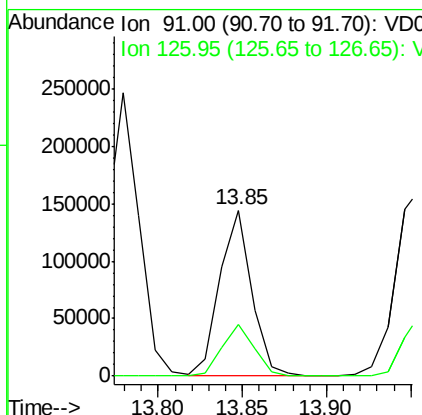
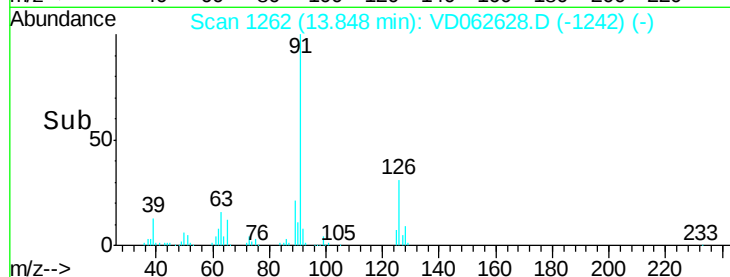
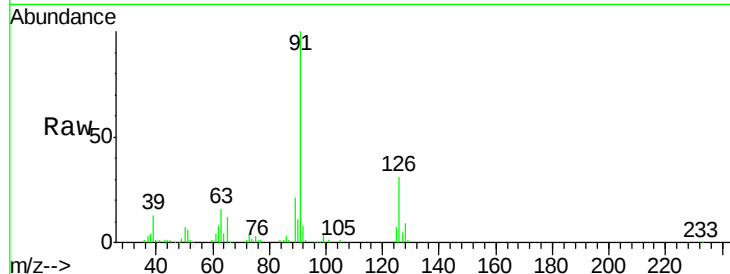




#79
 2-Chlorotoluene
 Concen: 8.875 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

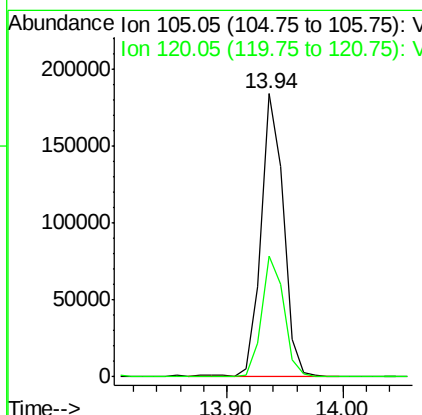
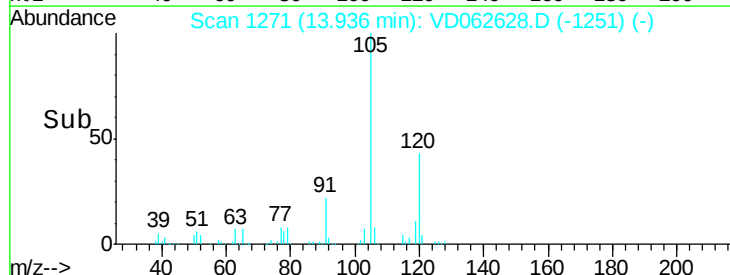
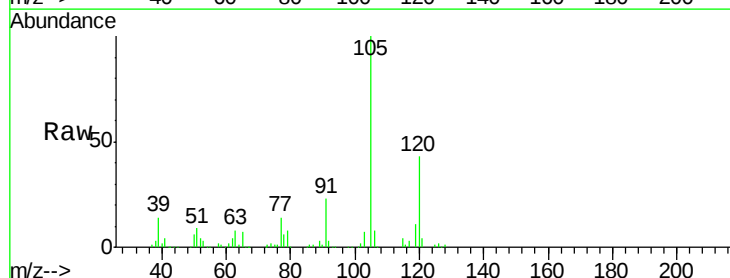
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

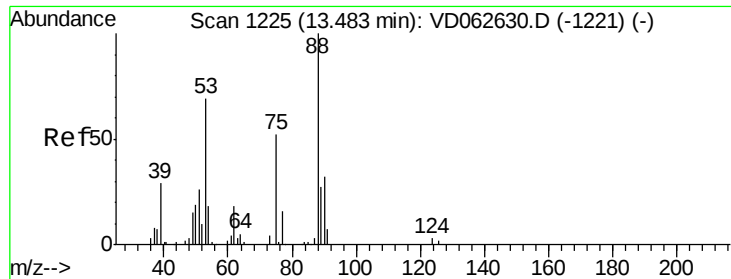
Tot Ion: 91 Resp: 189856
 Ion Ratio Lower Upper
 91 100
 126 31.3 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 9.142 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 105 Resp: 245715
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.3 64.0





#81

trans-1,4-Dichloro-2-butene

Concen: 8.938 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

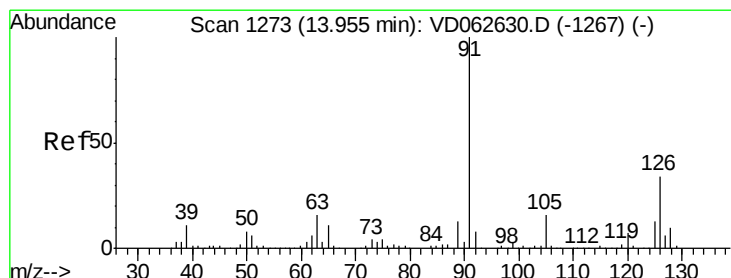
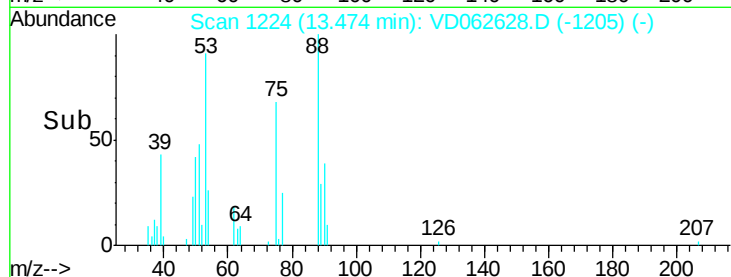
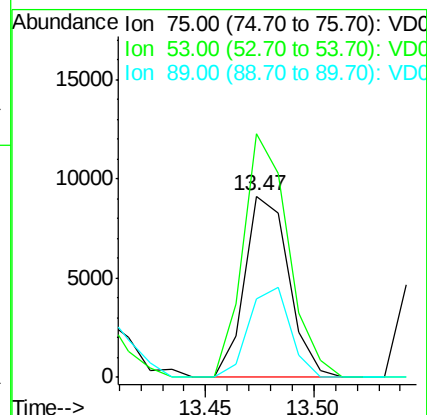
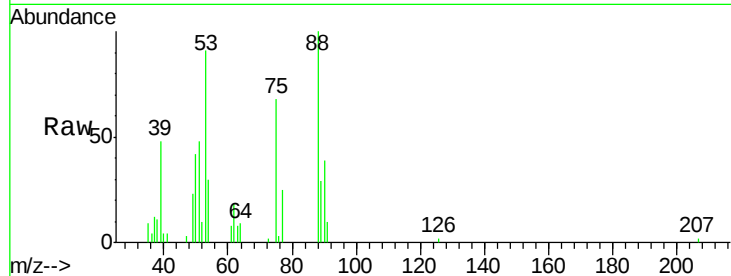
Tot Ion: 75 Resp: 13088

Ion Ratio Lower Upper

75 100

53 134.2 105.6 158.4

89 43.1 40.9 61.3



#82

4-Chlorotoluene

Concen: 9.833 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD062628.D

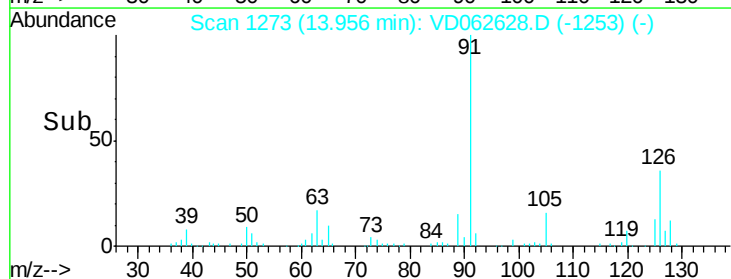
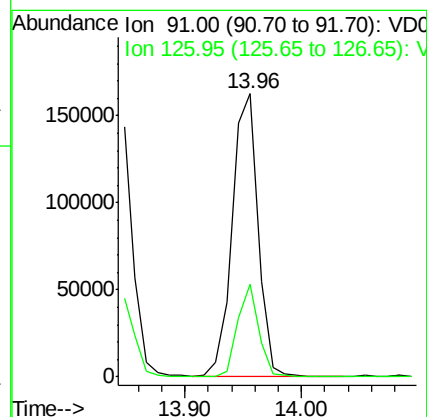
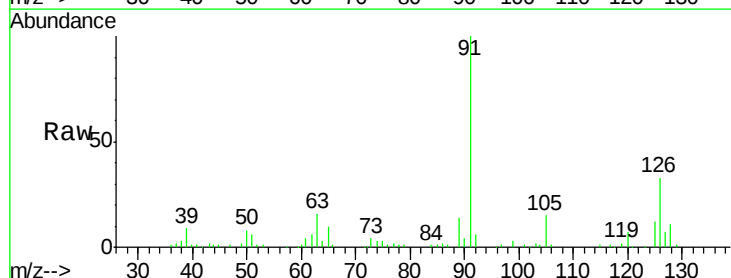
Acq: 6 Jun 2019 16:53

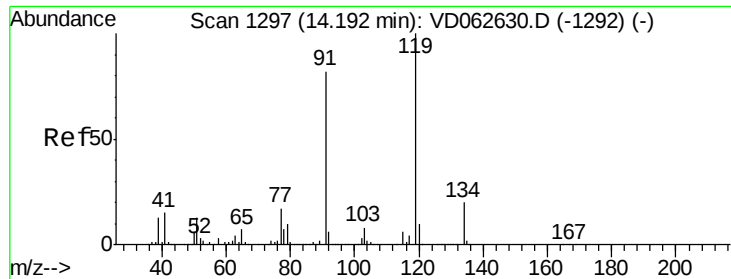
Tgt Ion: 91 Resp: 251050

Ion Ratio Lower Upper

91 100

126 32.9 17.2 51.6

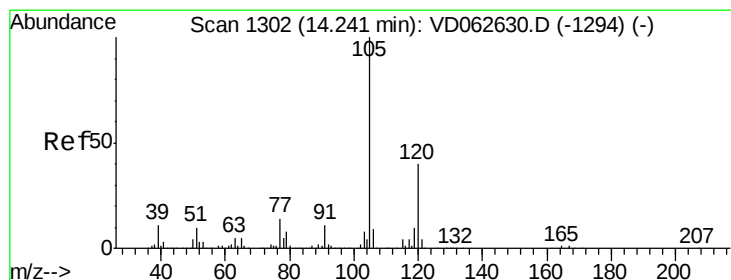
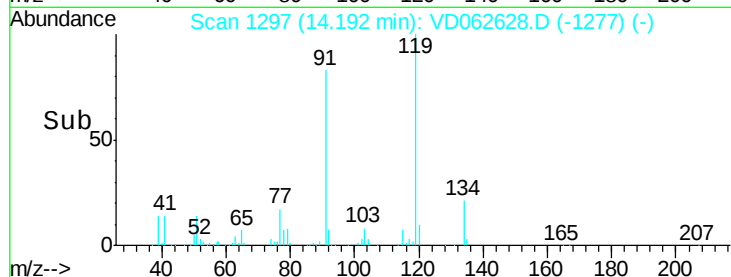
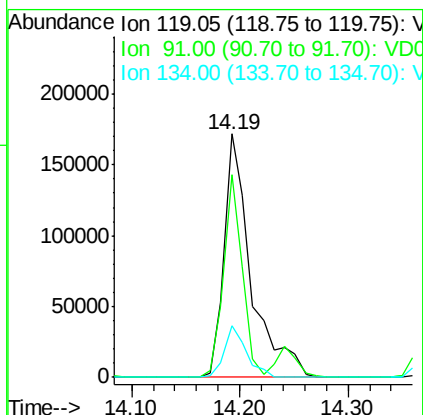
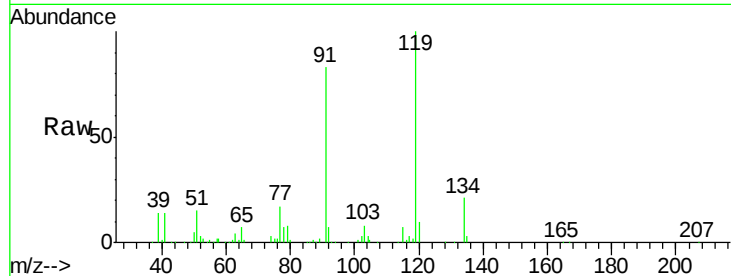




#83
tert-Butylbenzene
Concen: 10.273 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

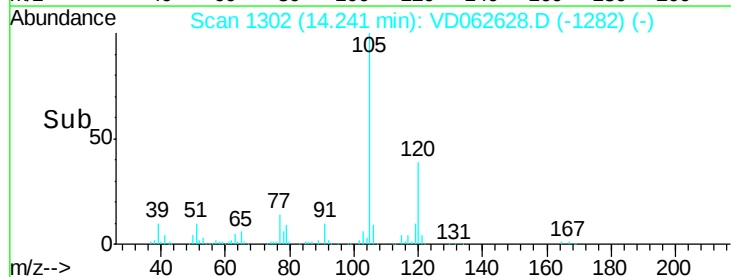
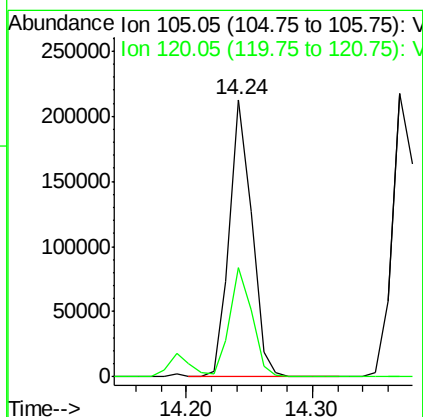
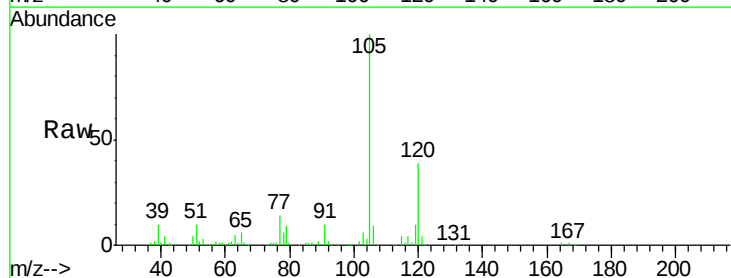
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

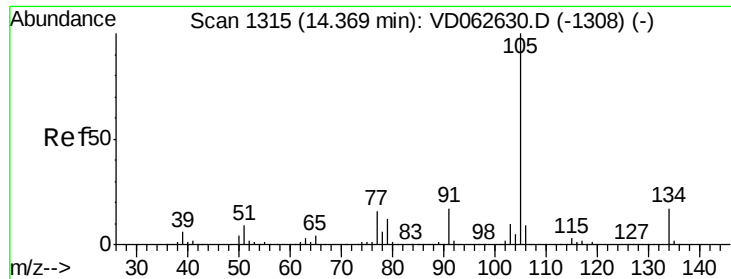
Tot Ion:119 Resp: 299259
Ion Ratio Lower Upper
119 100
91 83.3 40.8 122.5
134 21.0 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 9.655 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion:105 Resp: 259861
Ion Ratio Lower Upper
105 100
120 39.3 20.0 59.9

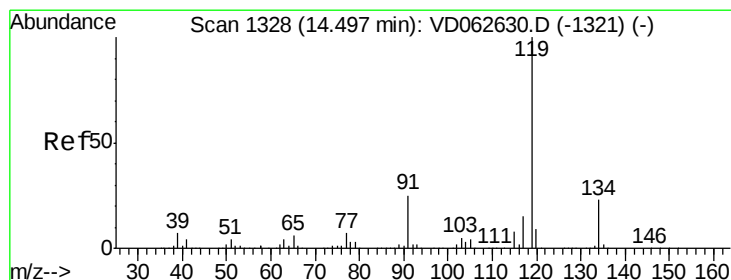
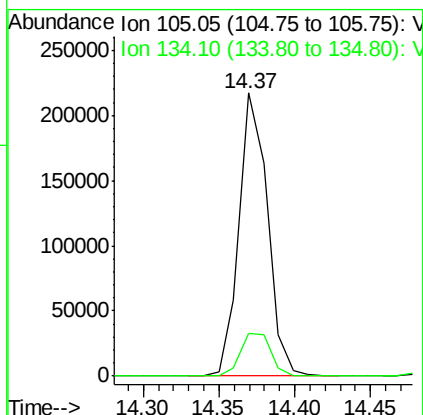
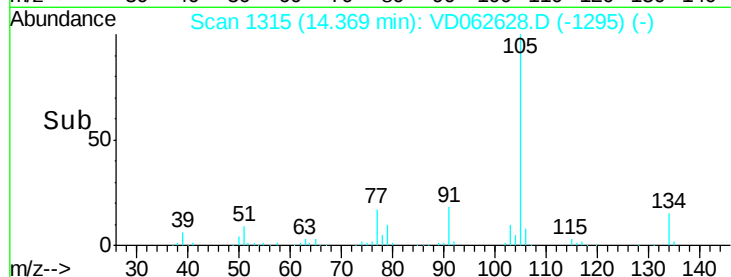
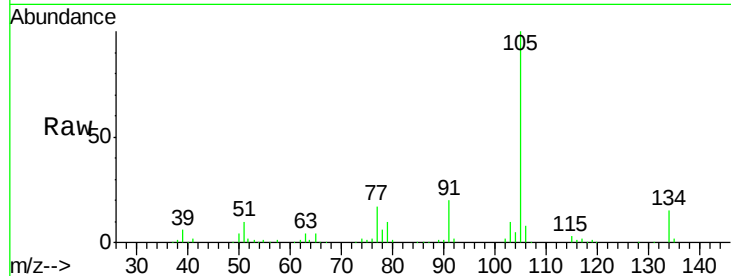




#85
 sec-Butylbenzene
 Concen: 9.372 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

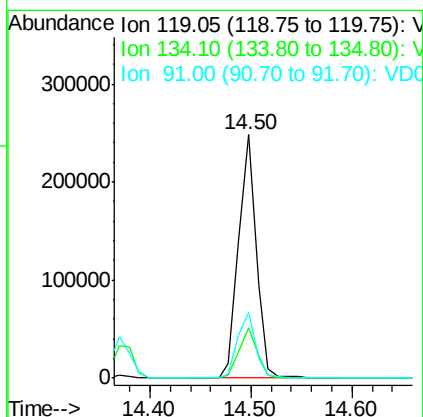
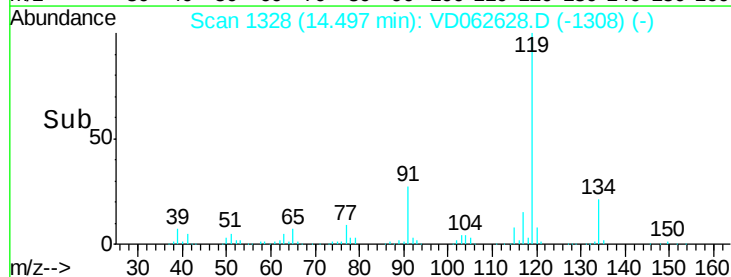
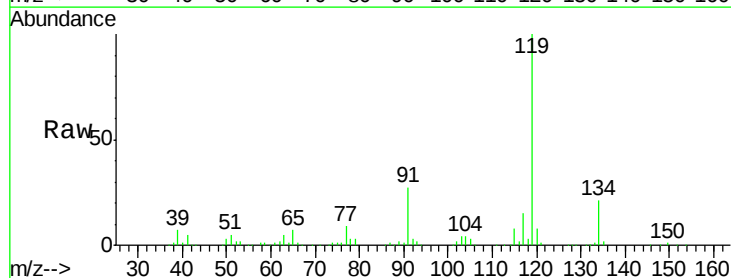
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

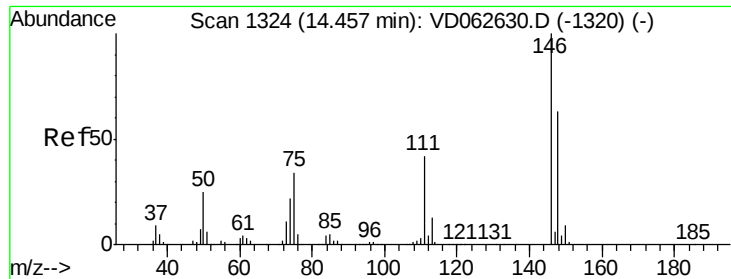
Tot Ion:105 Resp: 282833
 Ion Ratio Lower Upper
 105 100
 134 15.2 8.5 25.5



#86
 p-Isopropyltoluene
 Concen: 10.422 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion:119 Resp: 302064
 Ion Ratio Lower Upper
 119 100
 134 20.9 11.3 33.8
 91 26.8 12.8 38.3

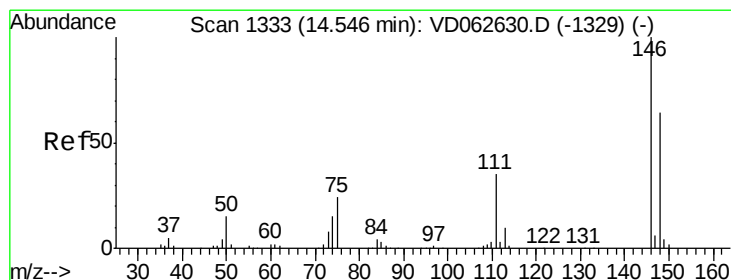
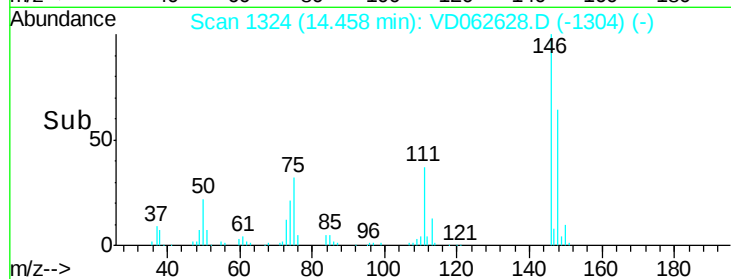
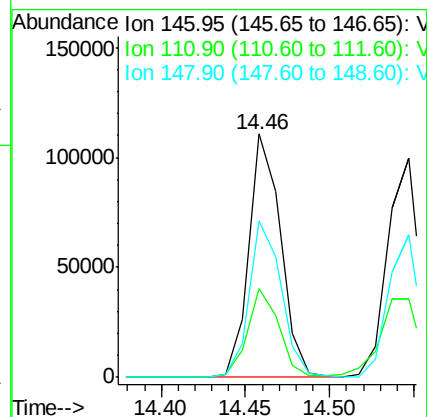
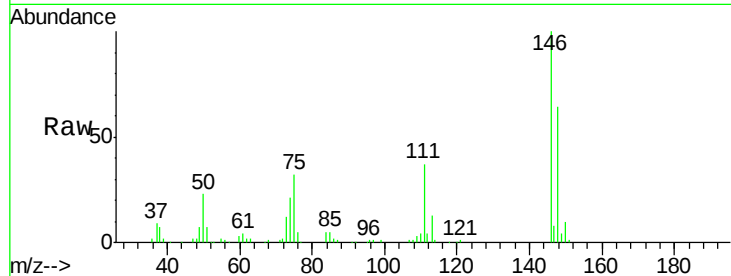




#87
 1,3-Dichlorobenzene
 Concen: 9.991 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

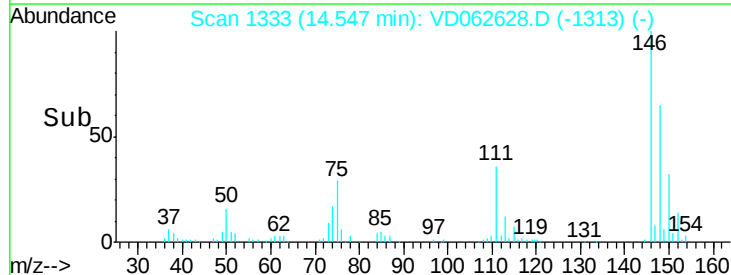
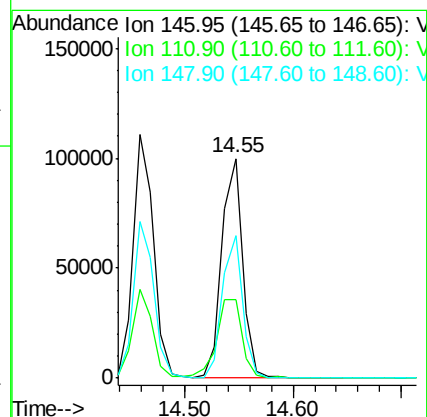
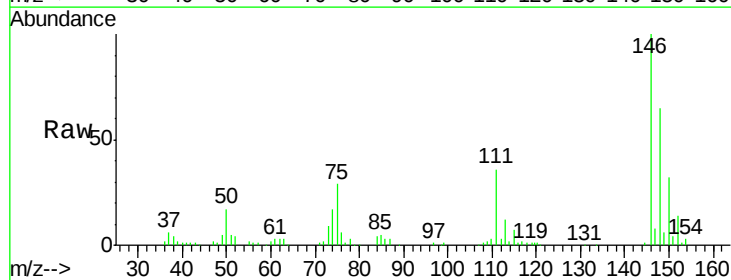
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

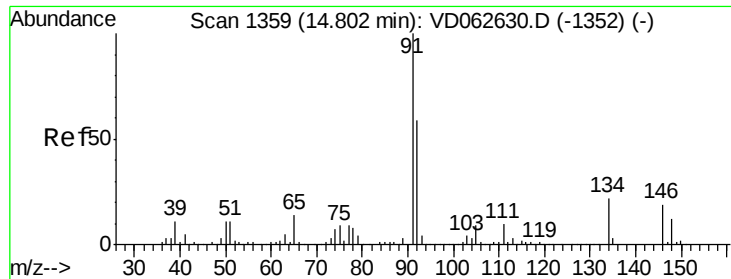
Tot Ion:146 Resp: 145224
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.8 62.5
 148 64.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 9.245 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion:146 Resp: 134430
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.5 52.6
 148 64.8 31.9 95.7

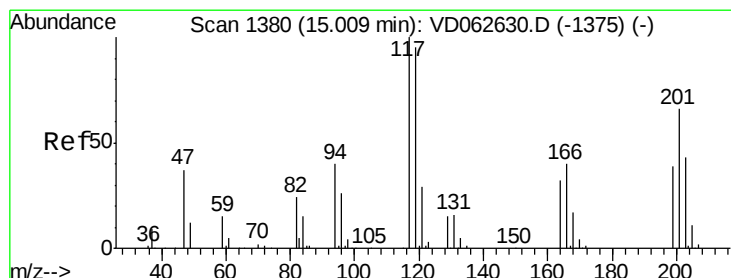
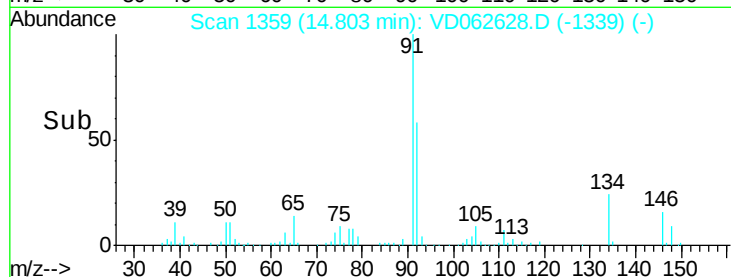
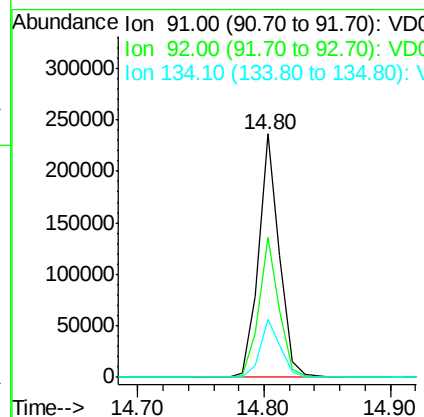
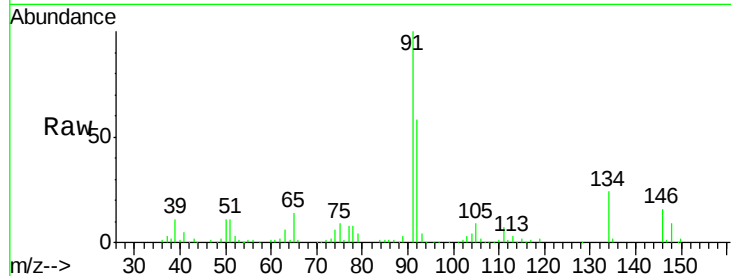




#89
n-Butylbenzene
Concen: 10.223 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

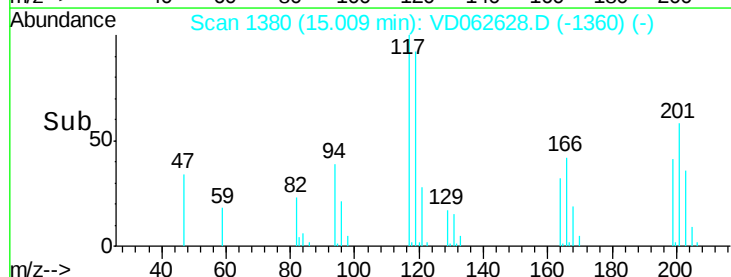
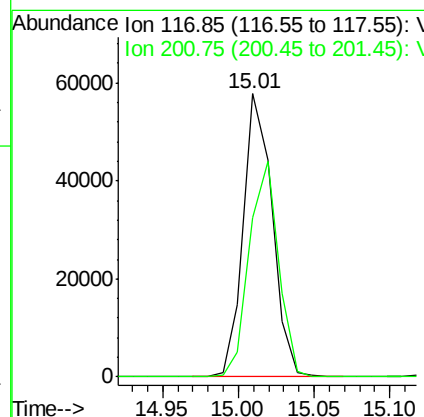
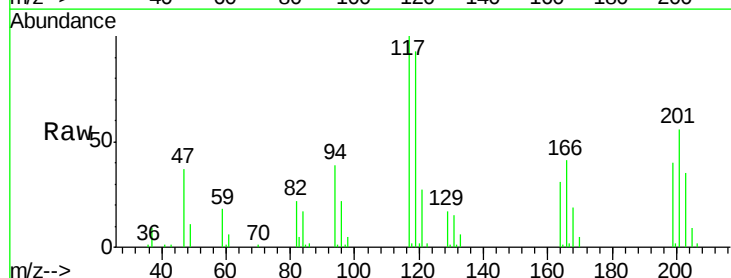
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

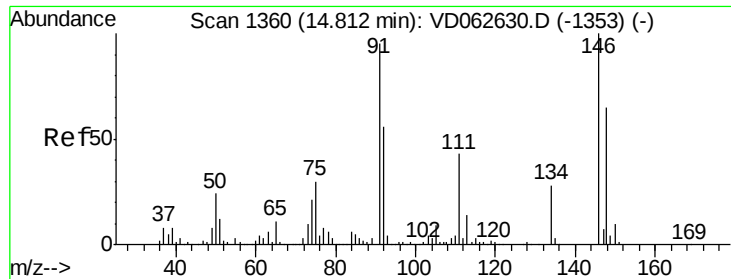
Tot Ion: 91 Resp: 270697
Ion Ratio Lower Upper
91 100
92 57.6 29.3 87.8
134 24.0 11.3 33.8



#90
Hexachloroethane
Concen: 10.155 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062628.D
Acq: 6 Jun 2019 16:53

Tgt Ion: 117 Resp: 76858
Ion Ratio Lower Upper
117 100
201 56.5 32.8 98.4

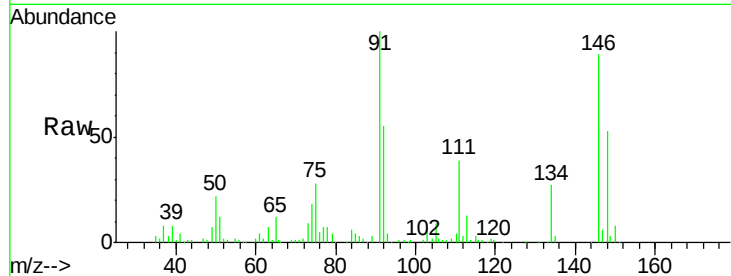




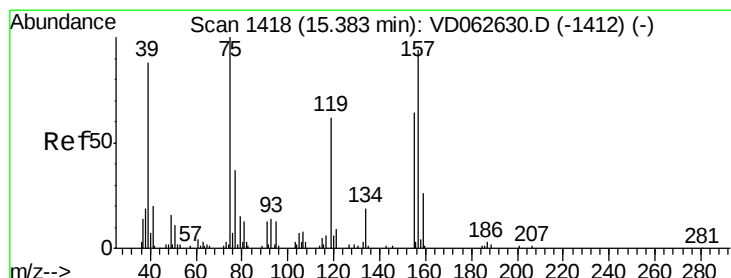
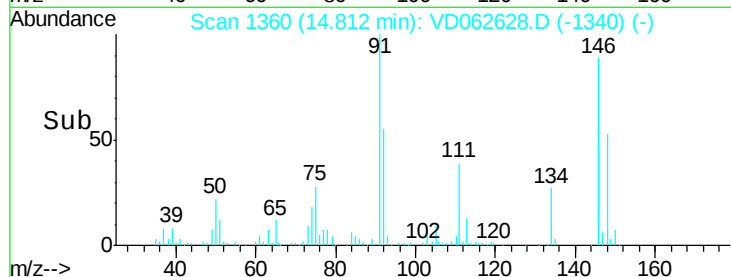
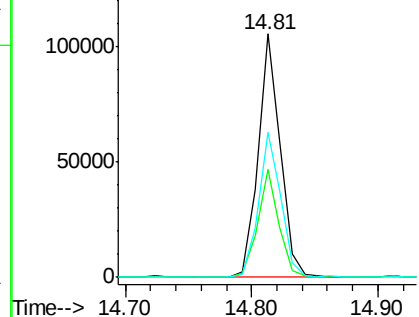
#91
 1,2-Dichlorobenzene
 Concen: 9.858 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 128621
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.4 64.3
 148 59.3 32.6 98.0

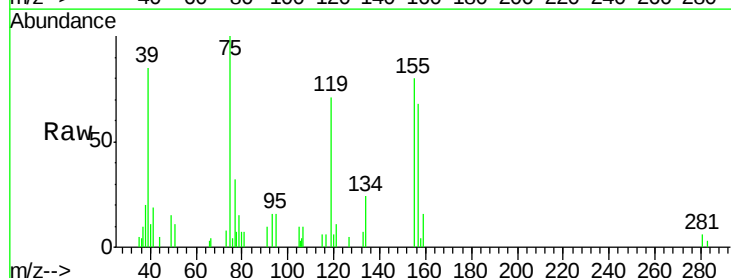


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

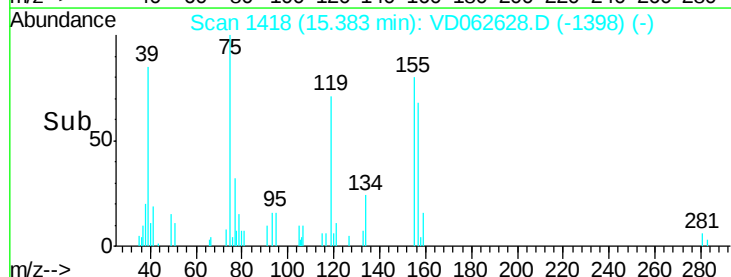
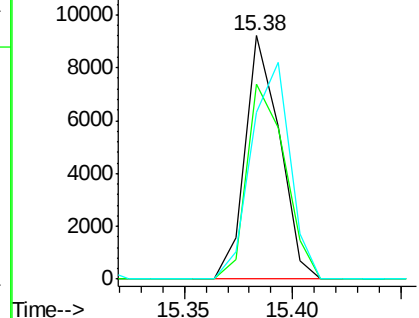


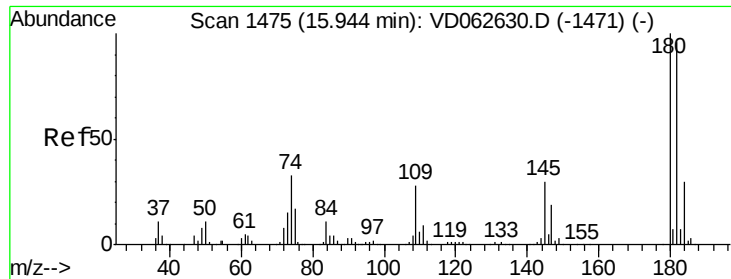
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.779 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion: 75 Resp: 10202
 Ion Ratio Lower Upper
 75 100
 155 80.0 32.2 96.6
 157 68.4 47.0 141.0



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

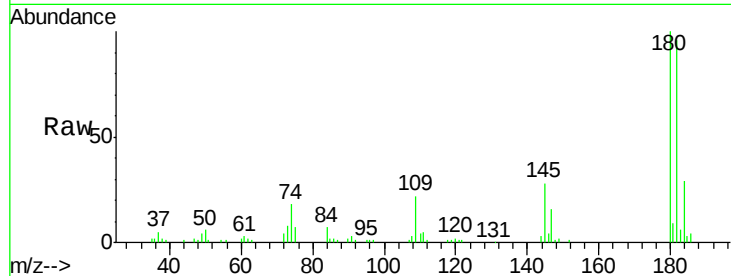




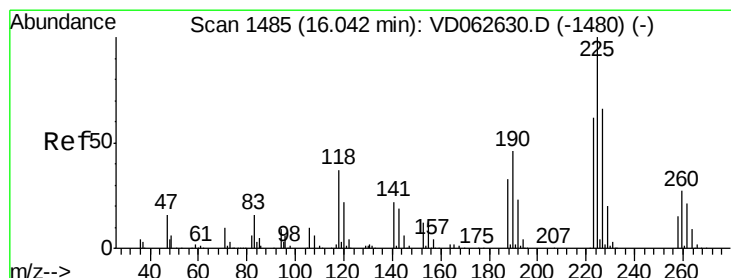
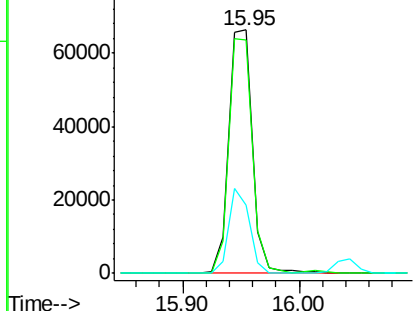
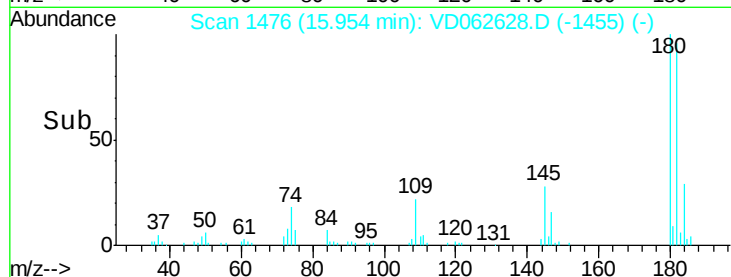
#93
 1,2,4-Trichlorobenzene
 Concen: 9.663 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 93039
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.0 144.2
 145 27.9 15.2 45.6

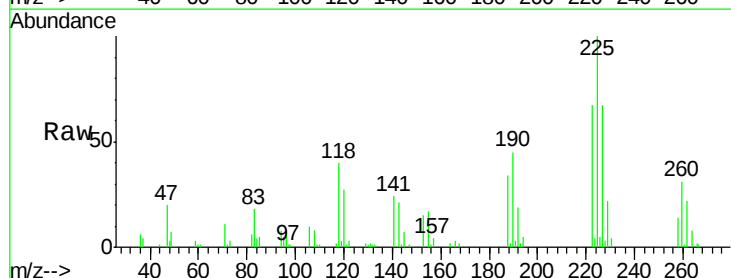


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

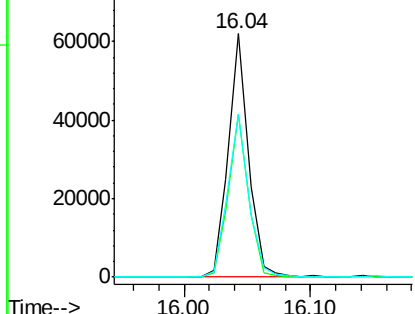
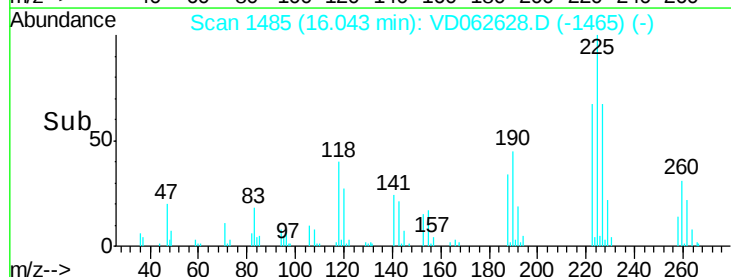


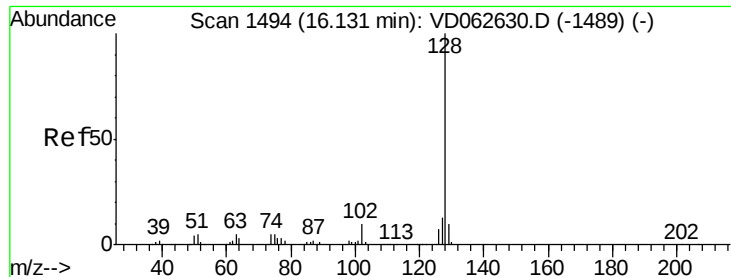
#94
 Hexachlorobutadiene
 Concen: 9.502 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062628.D
 Acq: 6 Jun 2019 16:53

Tgt Ion:225 Resp: 68585
 Ion Ratio Lower Upper
 225 100
 223 66.7 30.9 92.7
 227 67.0 32.9 98.7



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: 8.866 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

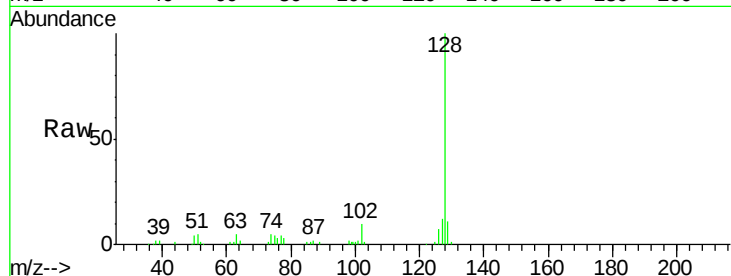
Tot Ion:128 Resp: 121115

Ion Ratio Lower Upper

128 100

127 12.3 10.5 15.7

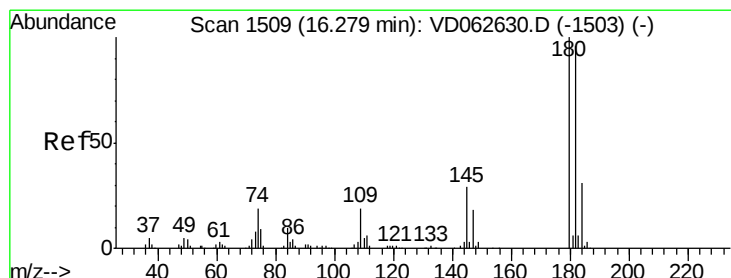
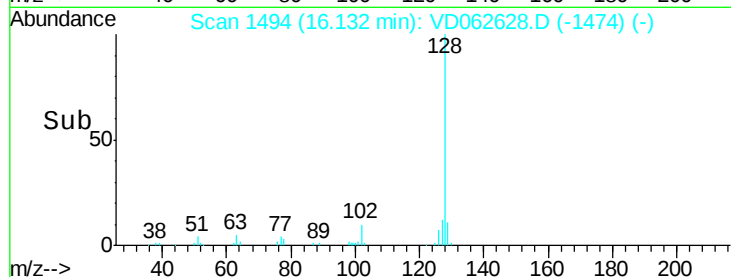
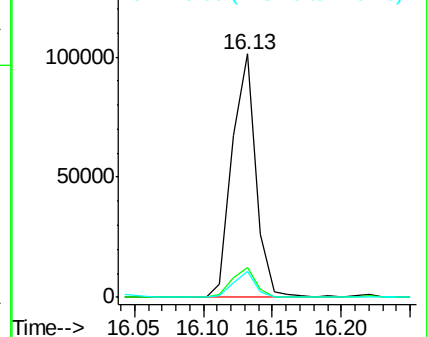
129 10.7 8.3 12.5



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: 9.082 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD062628.D

Acq: 6 Jun 2019 16:53

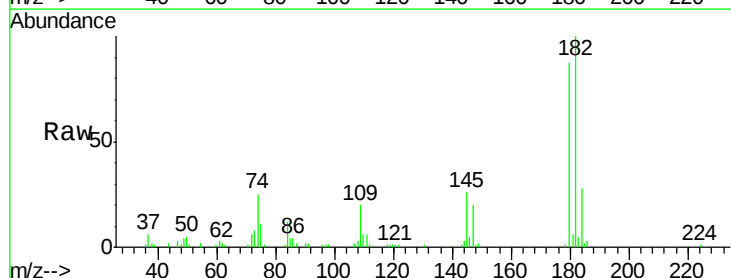
Tgt Ion:180 Resp: 66043

Ion Ratio Lower Upper

180 100

182 115.3 48.0 144.2

145 30.5 14.4 43.2



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

