

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062523.D
 Acq On : 23 May 2019 15:41
 Operator : VA/AP
 Sample : K2996-08
 Misc : 6.27g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 24 01:21:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	32428	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	48448	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	42539	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	24806	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	20601	59.35	ug/l	-0.02
Spiked Amount			Recovery	=	118.70%	
35) Dibromofluoromethane	6.91	113	18137	41.50	ug/l	-0.03
Spiked Amount			Recovery	=	83.00%	
50) Toluene-d8	10.40	98	62603	65.45	ug/l	-0.03
Spiked Amount			Recovery	=	130.90%	
62) 4-Bromofluorobenzene	13.56	95	38999	93.21	ug/l	-0.01
Spiked Amount			Recovery	=	186.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.16	56	6183	464.681	ug/l	88
15) Acrylonitrile	4.22	53	20287	552.558	ug/l #	41
16) Acetone	3.17	43	26386	424.189	ug/l #	50
17) Carbon Disulfide	3.37	76	993	1.365	ug/l #	75
20) Methylene Chloride	3.81	84	1418	Below Cal	#	1
23) Vinyl Acetate	5.06	43	6158	13.521	ug/l #	77
24) 1,1-Dichloroethane	5.05	63	1465	3.018	ug/l #	85
25) 2-Butanone	6.01	43	4526	69.568	ug/l #	56
29) Tetrahydrofuran	6.65	42	7522	242.089	ug/l #	1
30) Chloroform	6.61	83	62790	101.462	ug/l #	23
31) Cyclohexane	6.96	56	281961	860.291	ug/l #	54
36) 1,1-Dichloropropene	7.04	75	2407	5.197	ug/l #	40
37) Ethyl Acetate	6.14	43	707	3.929	ug/l #	1
38) Carbon Tetrachloride	7.03	117	2597	3.772	ug/l #	12
39) Methylcyclohexane	8.86	83	395058	1034.063	ug/l	95
40) Benzene	7.44	78	2218	2.441	ug/l #	51
41) Methacrylonitrile	6.47	41	18105	80.112	ug/l #	74
43) Isopropyl Acetate	9.27	43	28043	117.475	ug/l #	43
45) 1,2-Dichloropropane	8.86	63	7745	34.980	ug/l #	1
46) Dibromomethane	9.02	93	1450	7.225	ug/l #	1
47) Bromodichloromethane	9.38	83	95093	186.246	ug/l #	26
48) Methyl methacrylate	9.15	41	101836	633.928	ug/l #	86
51) 4-Methyl-2-Pentanone	10.36	43	43910	278.440	ug/l #	65
52) Toluene	10.50	92	5605	9.011	ug/l #	63
55) 1,1,2-Trichloroethane	11.24	97	13611	64.567	ug/l #	27
56) Ethyl methacrylate	11.08	69	89537	397.315	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	6374	55.082	ug/l #	46
59) 2-Hexanone	11.48	43	82582	720.529	ug/l #	32
61) 1,2-Dibromoethane	11.74	107	429	1.651	ug/l #	1
65) Chlorobenzene	12.32	112	1319	1.612	ug/l #	42
67) Ethyl Benzene	12.52	91	1115683	791.811	ug/l	98
68) m/p-Xylenes	12.66	106	81847	161.822	ug/l	87
69) o-Xylene	13.04	106	2426	5.084	ug/l	61
73) Isopropylbenzene	13.40	105	2356330	1506.975	ug/l	100

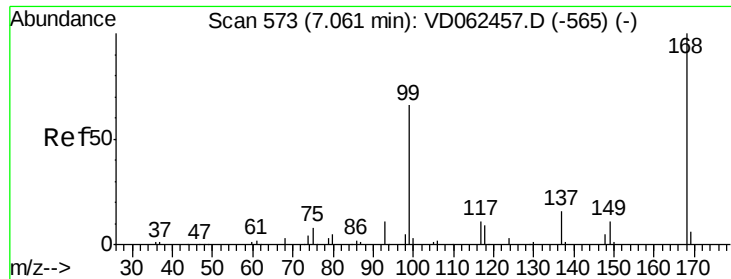
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	13.30	43	41570	107.642	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.71	83	6552	23.227	ug/l #	74
76) 1,2,3-Trichloropropane	13.77	75	17508	59.921	ug/l #	1
78) n-propylbenzene	13.77	91	2917950	1611.069	ug/l	100
79) 2-Chlorotoluene	13.77	91	2917950	2654.758	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.93	105	464724	343.259	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.56	75	8743	106.099	ug/l #	44
82) 4-Chlorotoluene	14.09	91	99986	78.989	ug/l #	37
83) tert-Butylbenzene	14.18	119	37373	24.886	ug/l	88
84) 1,2,4-Trimethylbenzene	14.23	105	111570	80.424	ug/l	98
85) sec-Butylbenzene	14.36	105	286842	183.181	ug/l	98
86) p-Isopropyltoluene	14.49	119	104477	73.624	ug/l	91
89) n-Butylbenzene	14.79	91	676036	493.635	ug/l	98
90) Hexachloroethane	14.97	117	36136	92.141	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	15.42	75	3789	70.764	ug/l #	1
95) Naphthalene	16.12	128	881675	1230.328	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	445	1.035	ug/l #	1

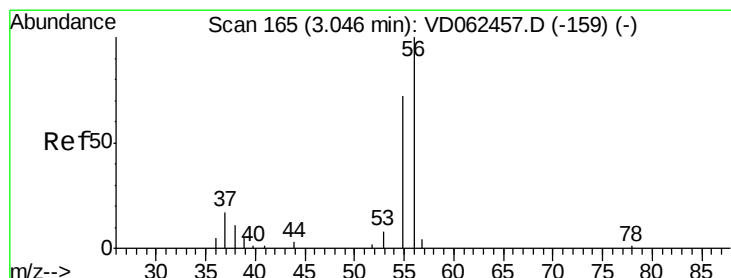
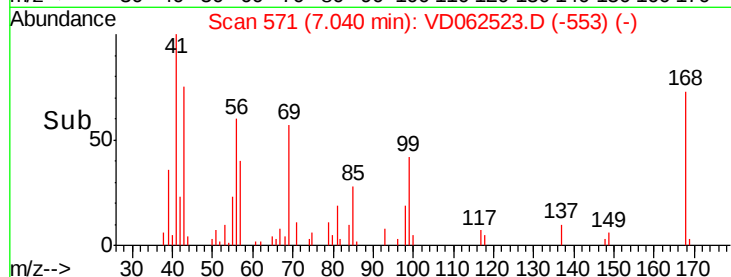
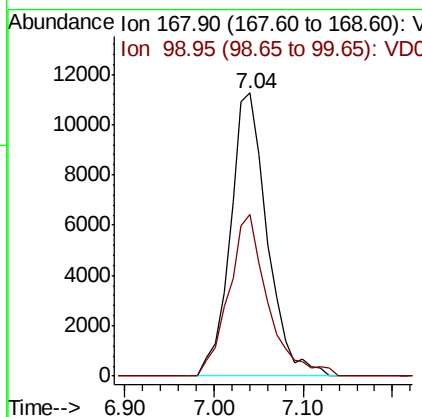
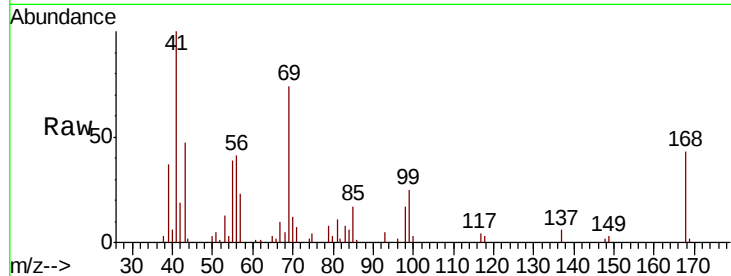
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.02 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

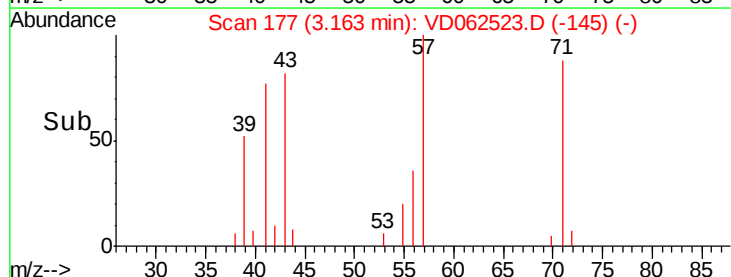
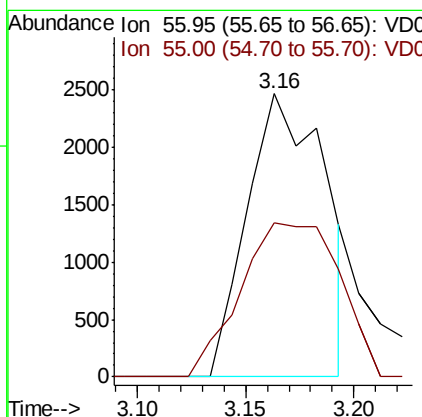
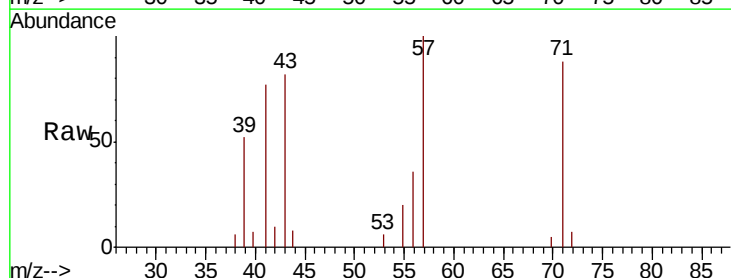
Instrument :
MSVOA_D
ClientSampleId :

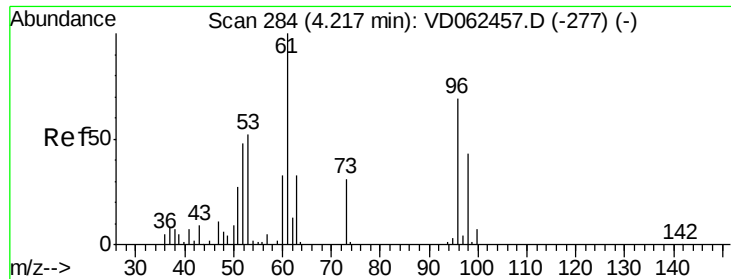
Tot Ion:168 Resp: 32428
Ion Ratio Lower Upper
168 100
99 57.3 46.5 69.7



#13
Acrolein
Concen: 464.681 ug/l
RT: 3.16 min Scan# 177
Delta R.T. 0.12 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 56 Resp: 6183
Ion Ratio Lower Upper
56 100
55 54.6 51.4 77.2





#15

Acrylonitrile

Concen: 552.558 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampled :

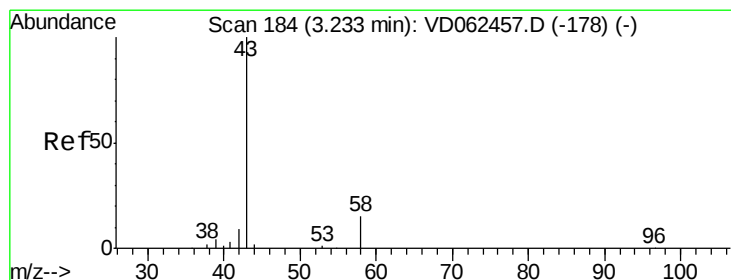
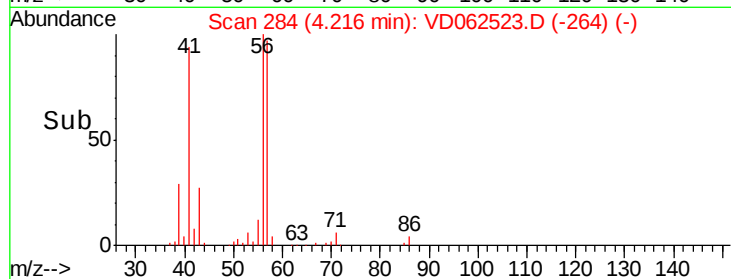
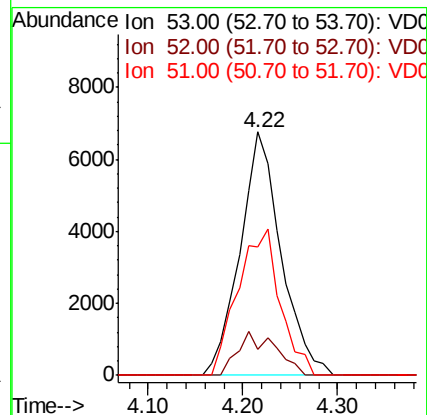
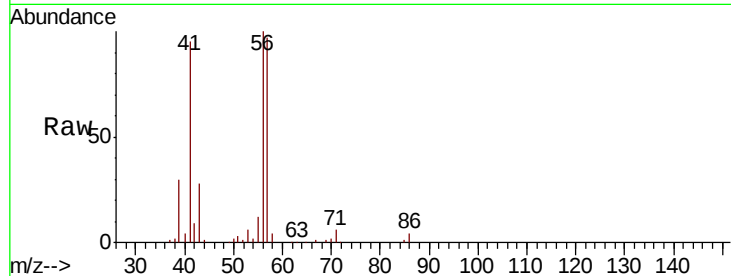
Tot Ion: 53 Resp: 20287

Ion Ratio Lower Upper

53 100

52 10.7 65.0 97.4#

51 52.9 32.6 48.8#



#16

Acetone

Concen: 424.189 ug/l

RT: 3.17 min Scan# 178

Delta R.T. -0.06 min

Lab File: VD062523.D

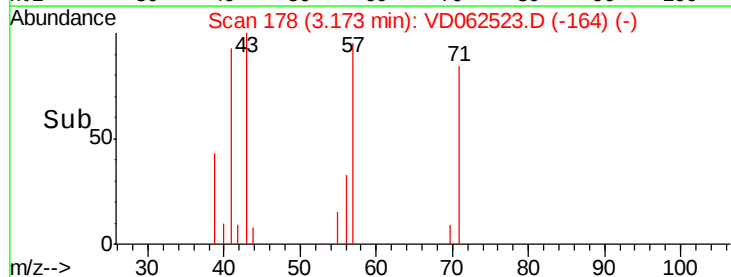
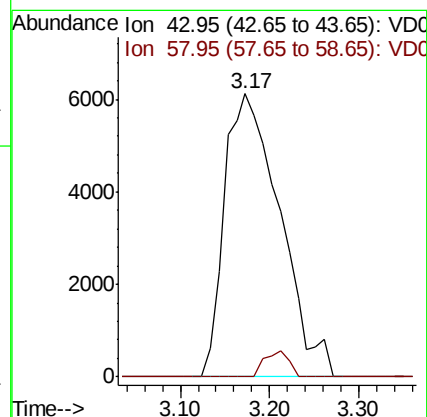
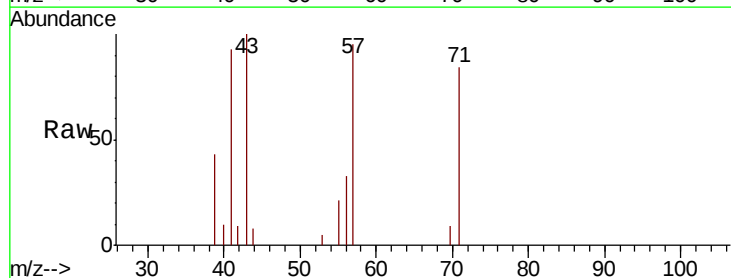
Acq: 23 May 2019 15:41

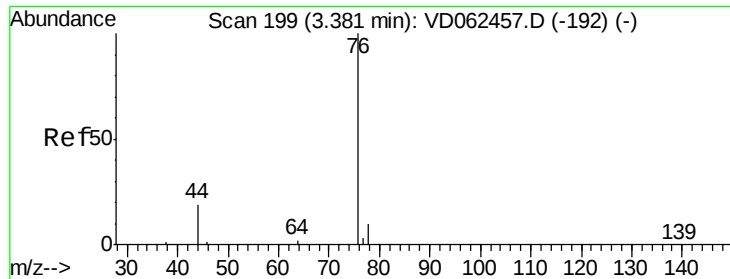
Tgt Ion: 43 Resp: 26386

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#

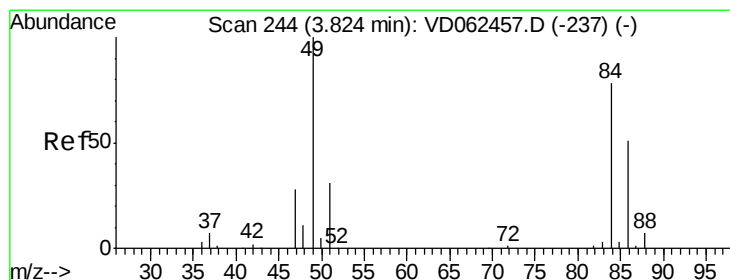
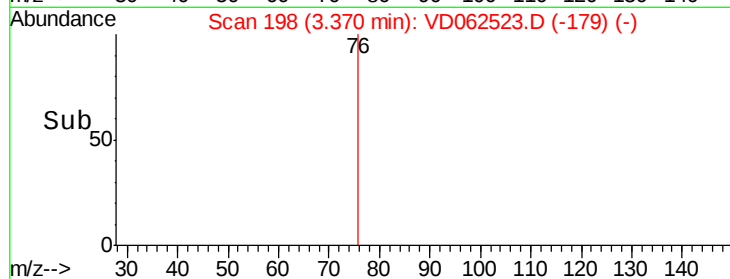
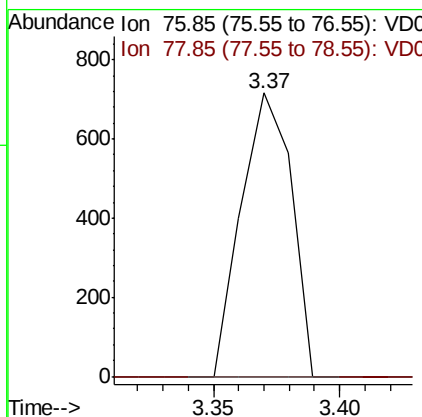
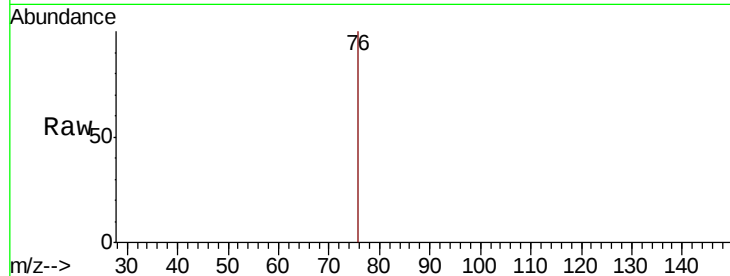




#17
Carbon Disulfide
Concen: 1.365 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

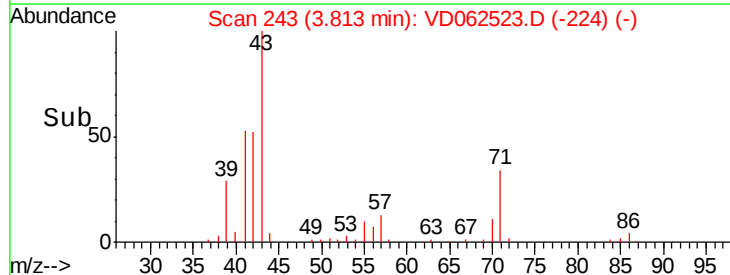
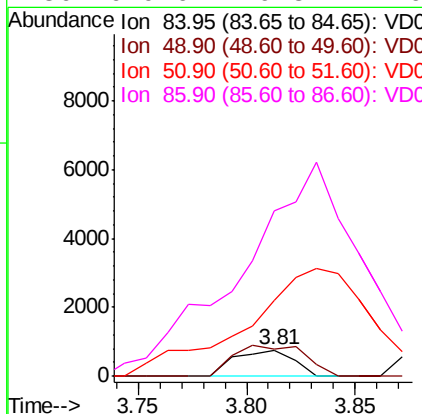
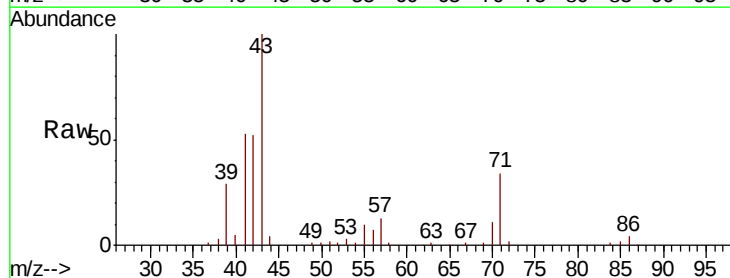
Instrument :
MSVOA_D
ClientSampleId :

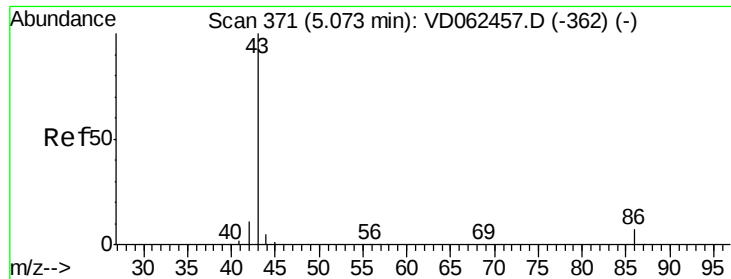
Tot Ion: 76 Resp: 993
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 84 Resp: 1418
Ion Ratio Lower Upper
84 100
49 103.0 94.0 141.0
51 288.2 29.0 43.4#
86 629.6 49.8 74.6#





#23

Vinyl Acetate

Concen: 13.521 ug/l

RT: 5.06 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

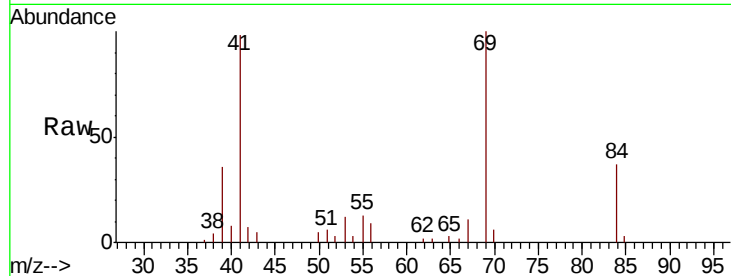
ClientSampleId :

Tot Ion: 43 Resp: 6158

Ion Ratio Lower Upper

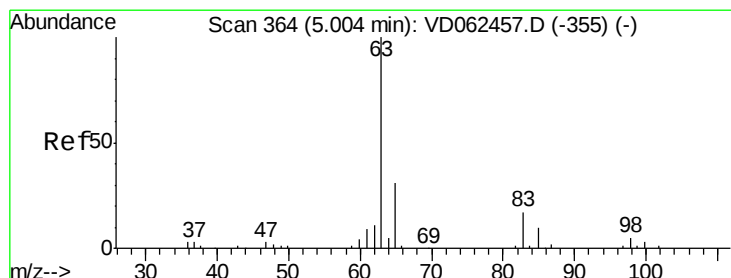
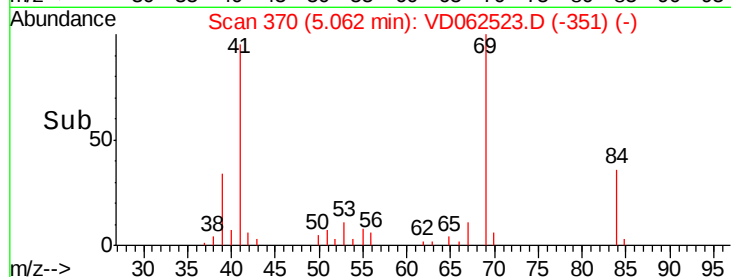
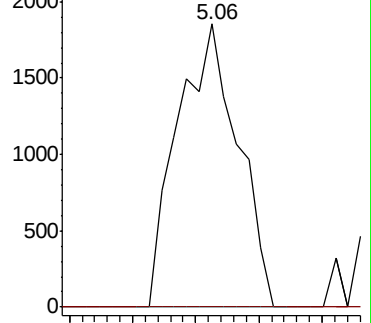
43 100

86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 3.018 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.05 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

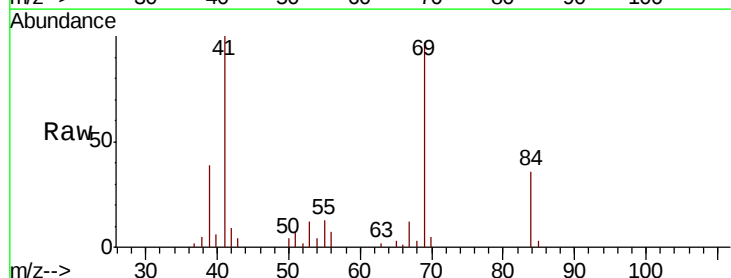
Tgt Ion: 63 Resp: 1465

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

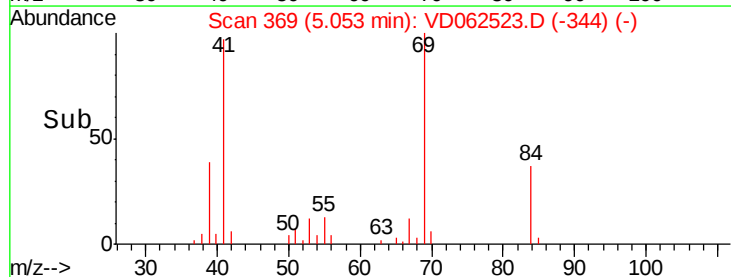
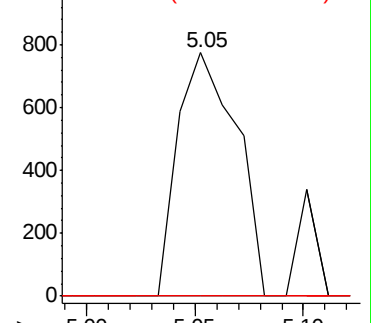
100 0.0 1.8 5.5#

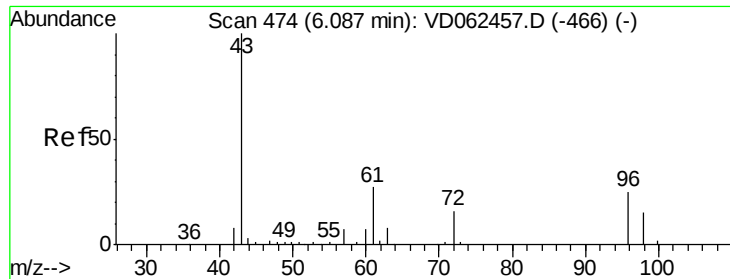


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

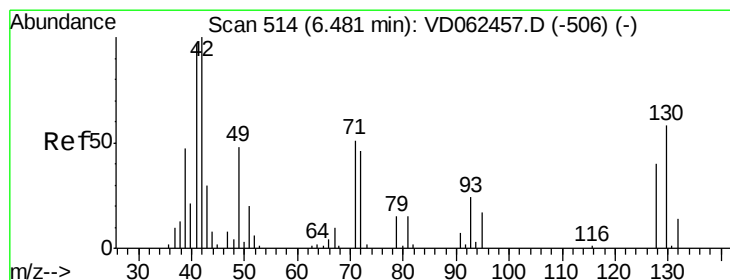
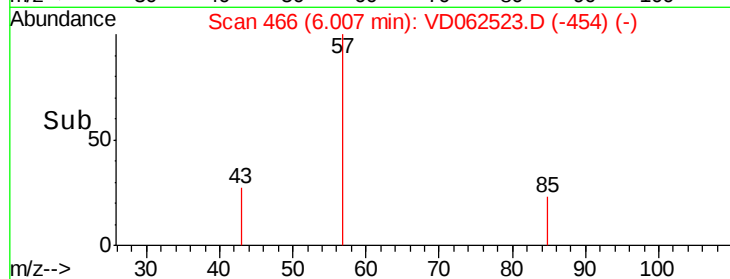
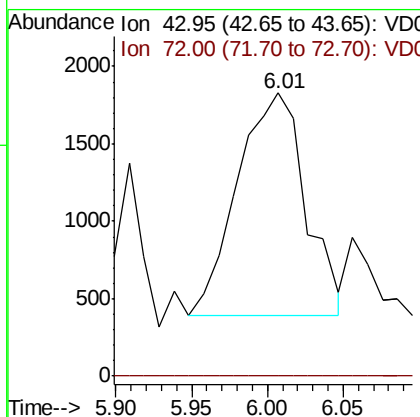
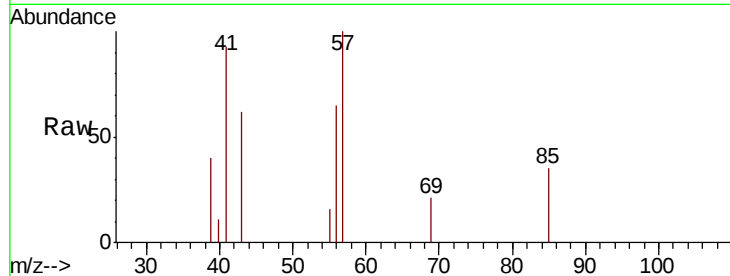




#25
2-Butanone
Concen: 69.568 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.08 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

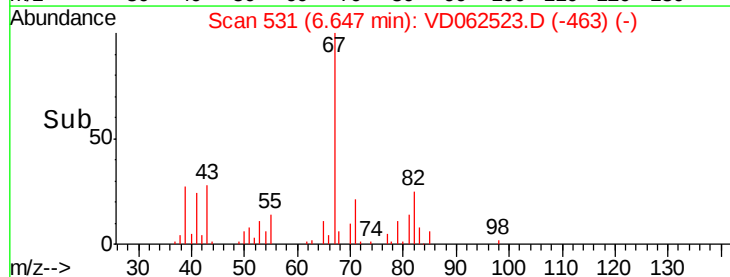
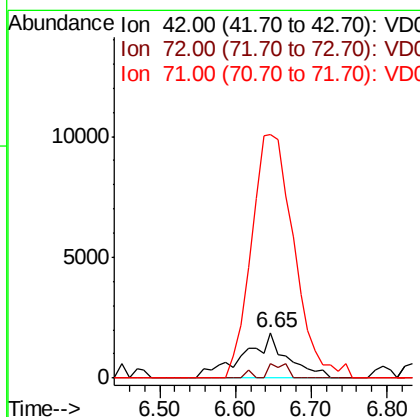
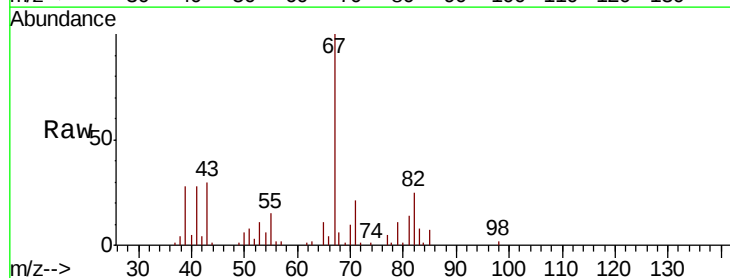
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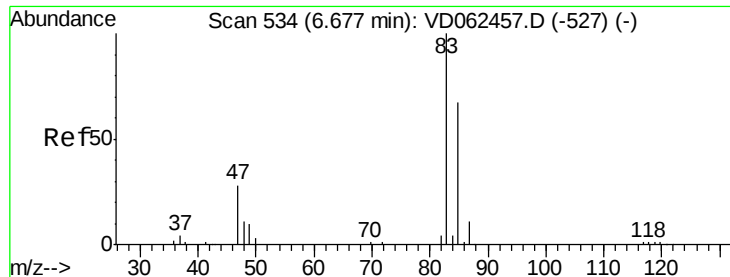
Tot Ion: 43 Resp: 4526
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#29
Tetrahydrofuran
Concen: 242.089 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.17 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 42 Resp: 7522
Ion Ratio Lower Upper
42 100
72 12.9 37.8 56.6#
71 525.8 36.7 55.1#

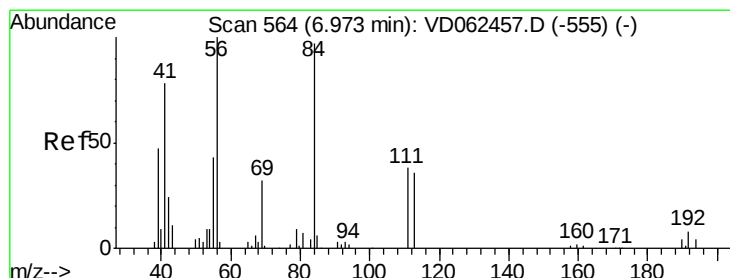
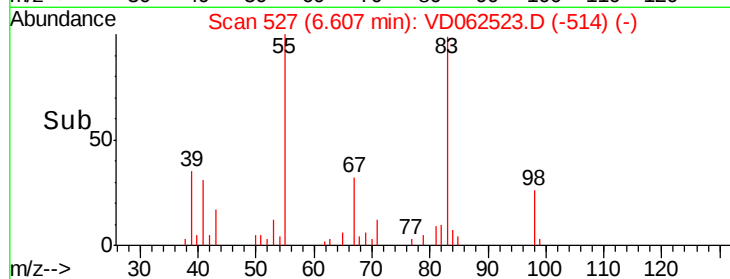
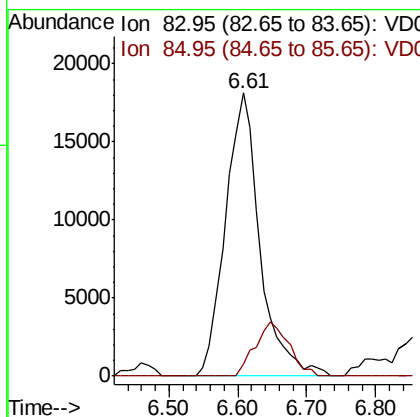
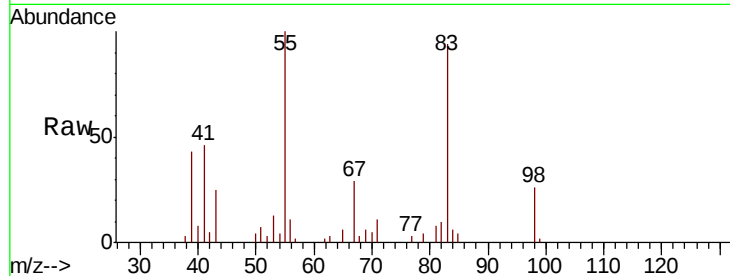




#30
Chloroform
Concen: 101.462 ug/l
RT: 6.61 min Scan# 527
Delta R.T. -0.07 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

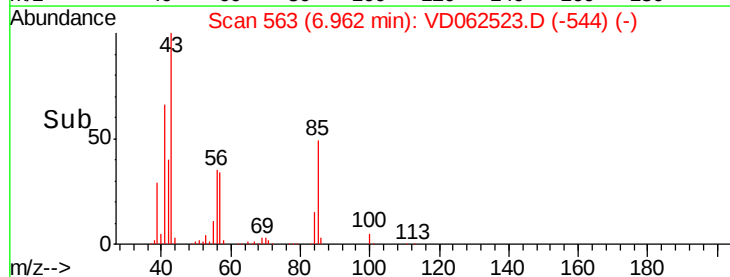
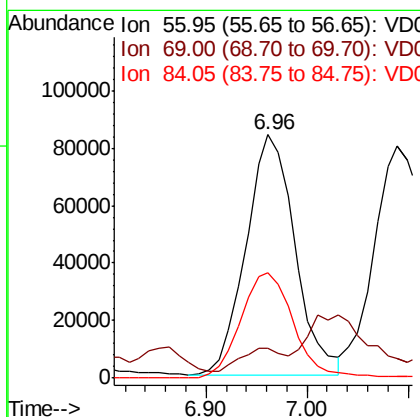
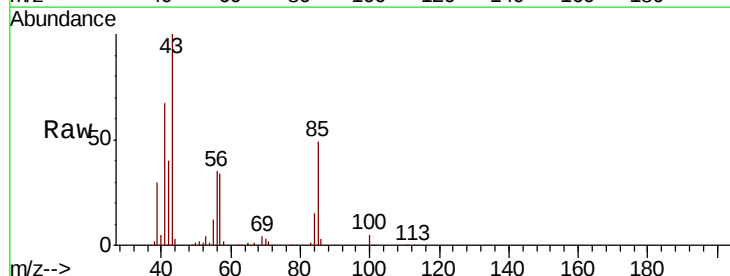
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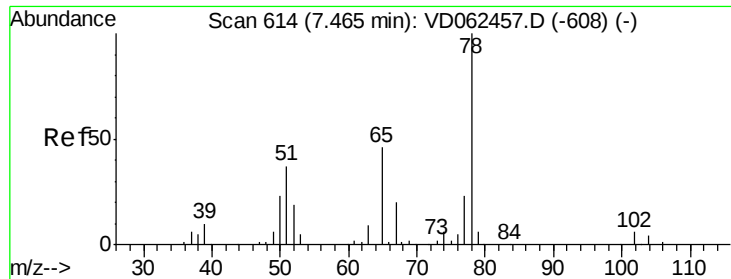
Tot Ion: 83 Resp: 62790
Ion Ratio Lower Upper
83 100
85 4.4 51.7 77.5#



#31
Cyclohexane
Concen: 860.291 ug/l
RT: 6.96 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 56 Resp: 281961
Ion Ratio Lower Upper
56 100
69 12.2 25.8 38.6#
84 43.3 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 59.348 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

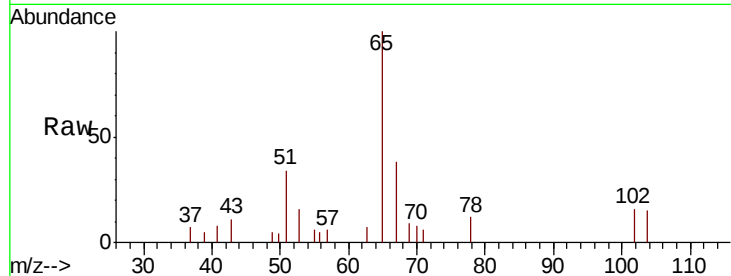
ClientSampleId :

Tot Ion: 65 Resp: 20601

Ion Ratio Lower Upper

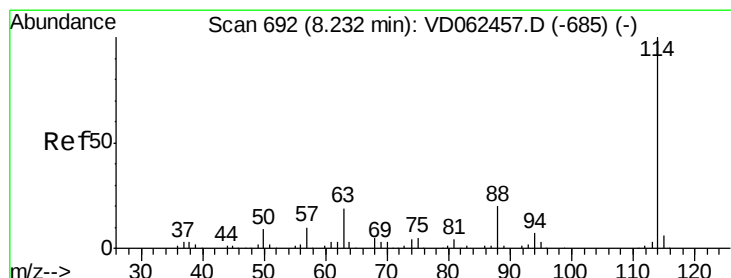
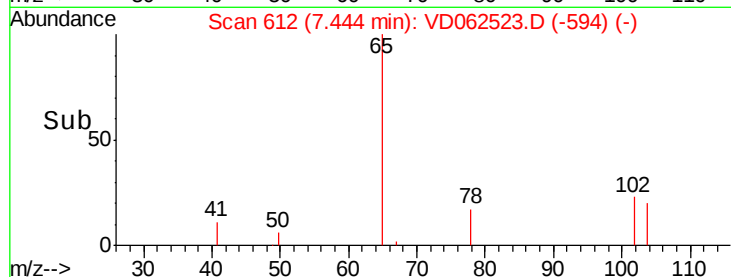
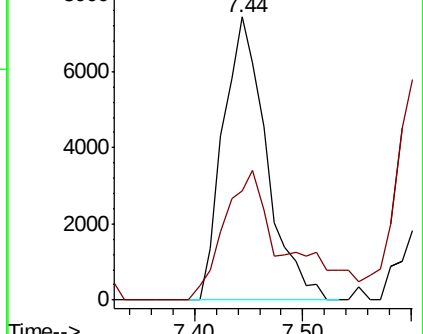
65 100

67 38.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

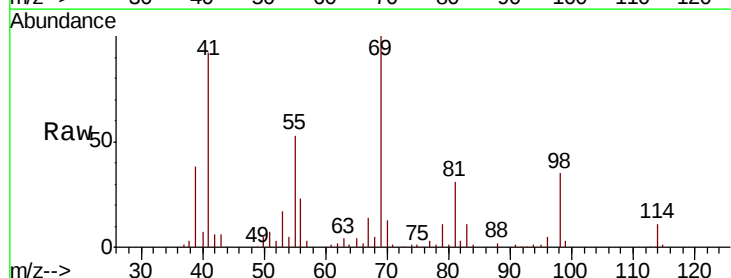
Tgt Ion: 114 Resp: 48448

Ion Ratio Lower Upper

114 100

63 37.7 0.0 32.4#

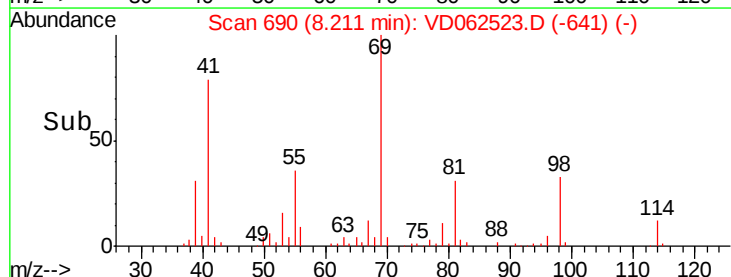
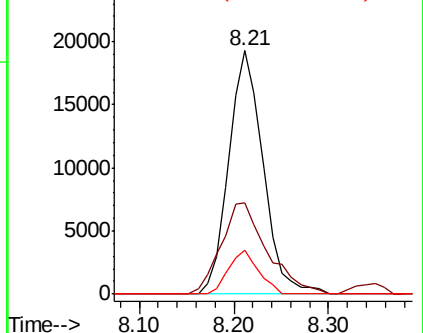
88 18.1 0.0 33.6

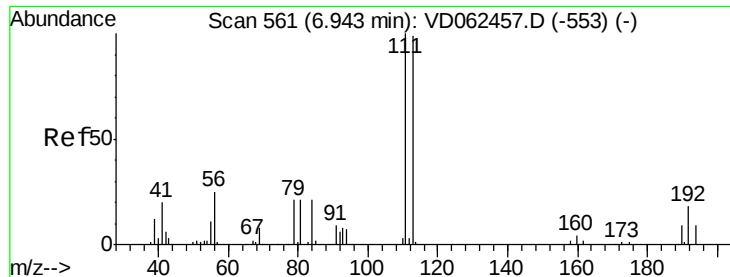


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

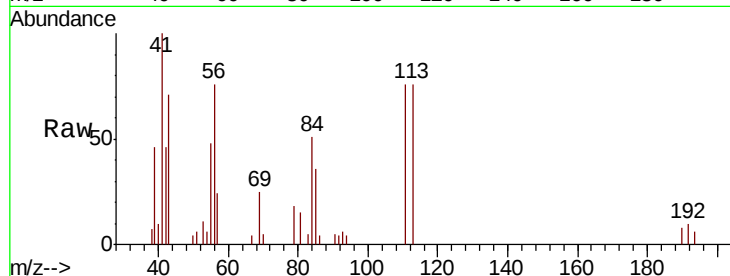




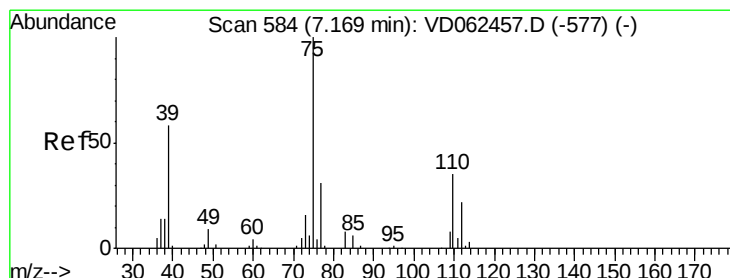
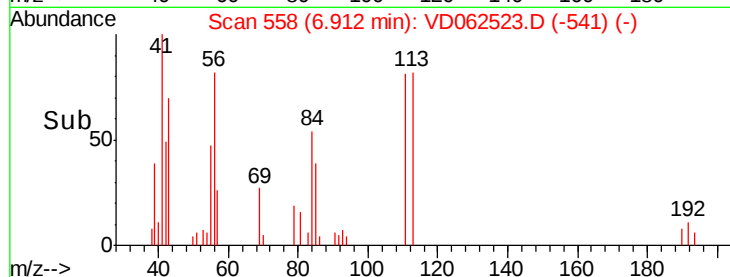
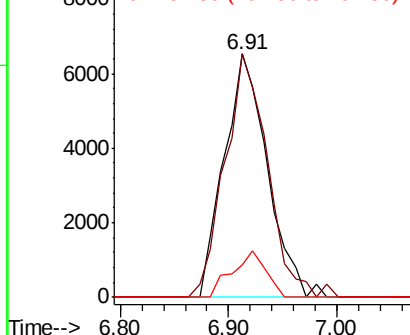
#35
 Dibromofluoromethane
 Concen: 41.498 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 18137
 Ion Ratio Lower Upper
 113 100
 111 99.8 78.5 117.7
 192 13.4 13.0 19.4

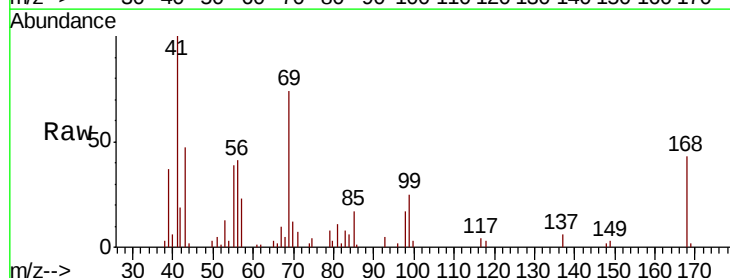


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

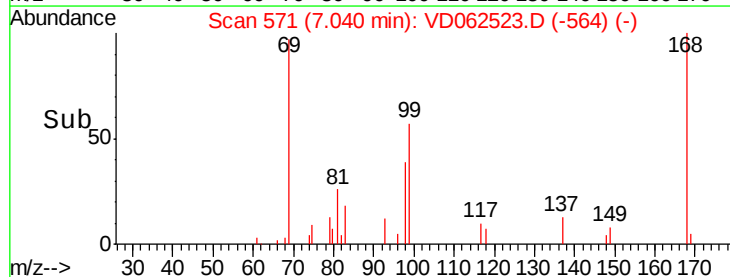
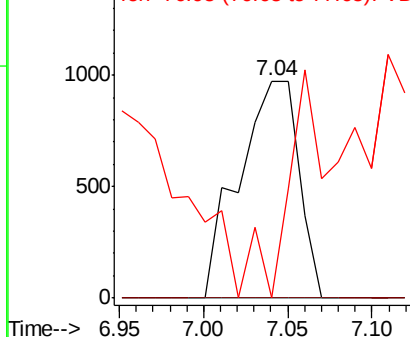


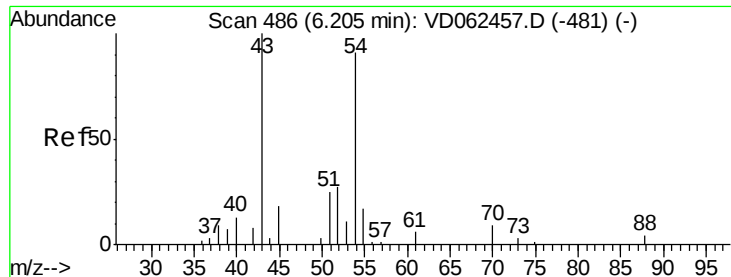
#36
 1,1-Dichloropropene
 Concen: 5.197 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.13 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Tgt Ion: 75 Resp: 2407
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#



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

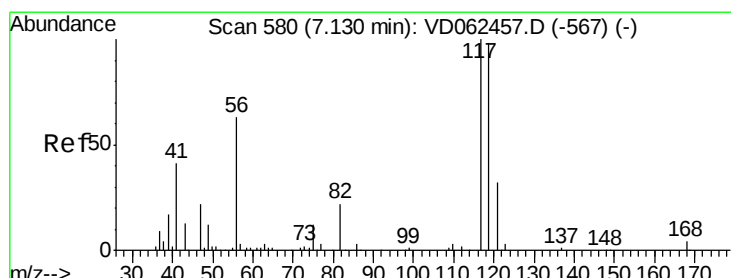
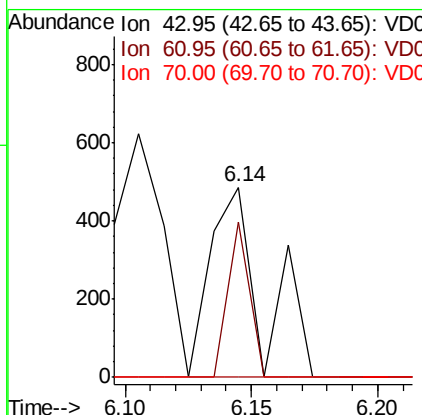
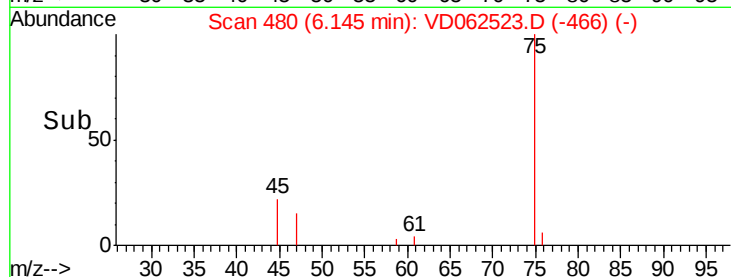
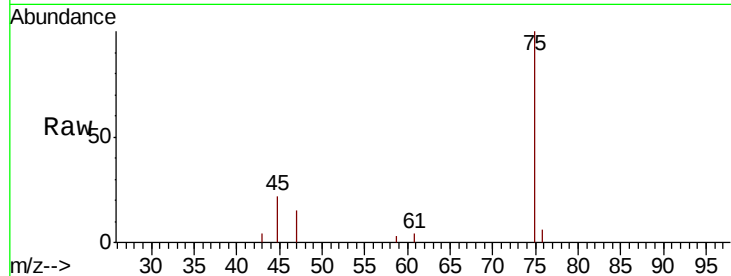




#37
Ethyl Acetate
Concen: 3.929 ug/l
RT: 6.14 min Scan# 480
Delta R.T. -0.06 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

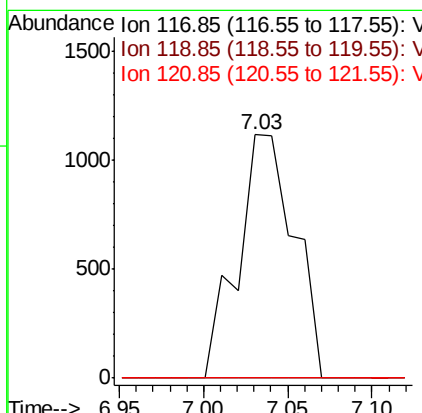
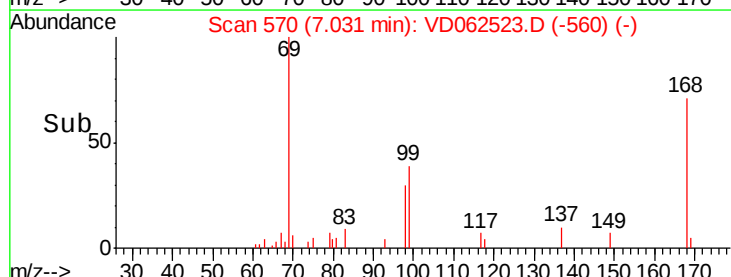
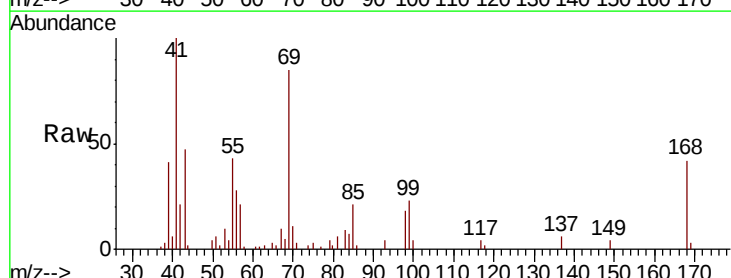
Instrument :
MSVOA_D
ClientSampled :

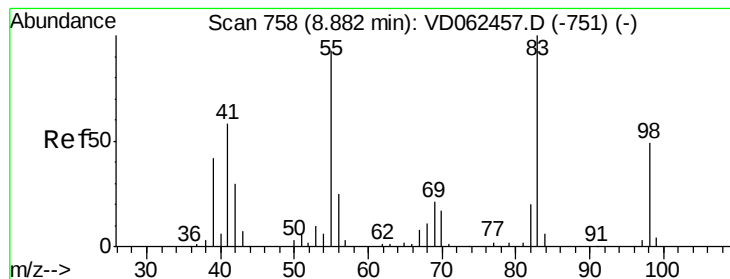
Tot Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
61 81.9 14.7 22.1#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 3.772 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 117 Resp: 2597
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#





#39

Methvlcvclohexane

Concen: 1034.063 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

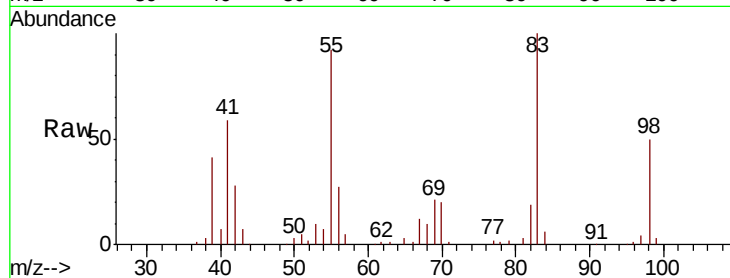
Tot Ion: 83 Resp: 395058

Ion Ratio Lower Upper

83 100

55 91.7 68.2 102.4

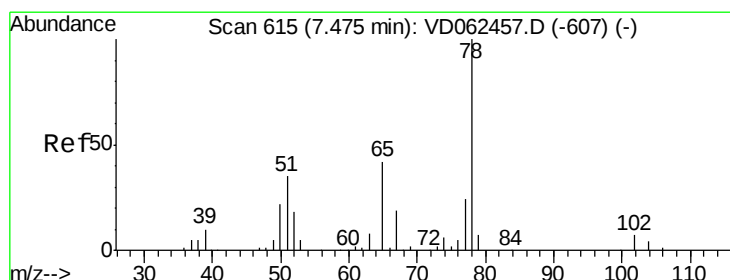
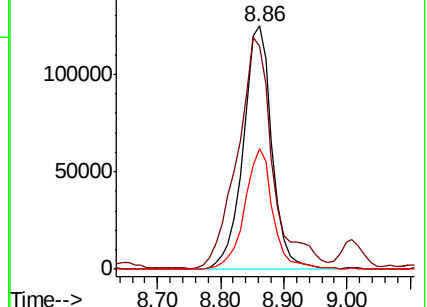
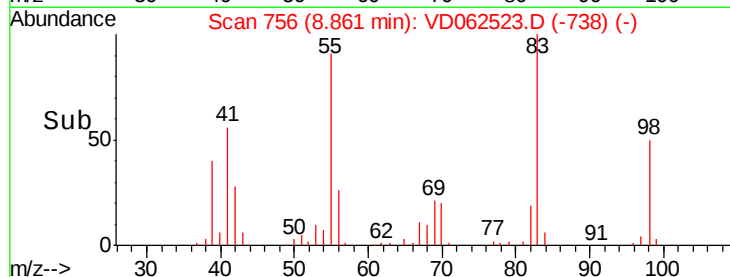
98 49.5 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 2.441 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.03 min

Lab File: VD062523.D

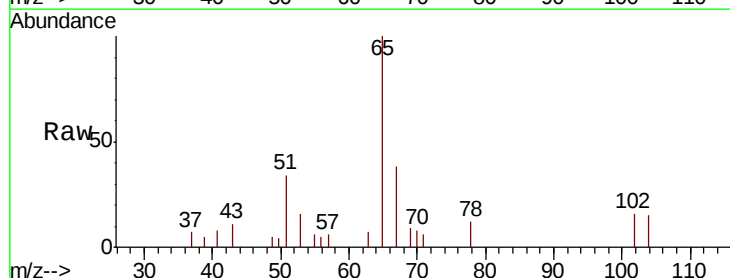
Acq: 23 May 2019 15:41

Tgt Ion: 78 Resp: 2218

Ion Ratio Lower Upper

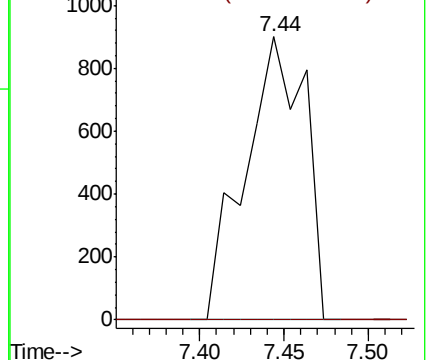
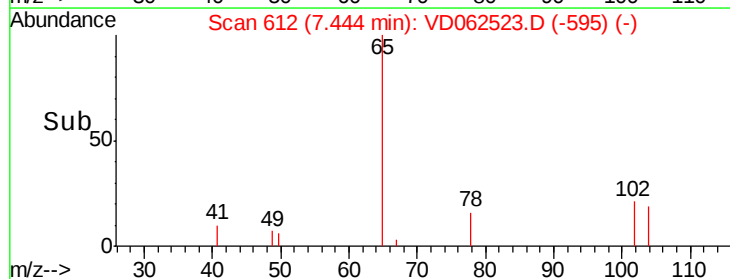
78 100

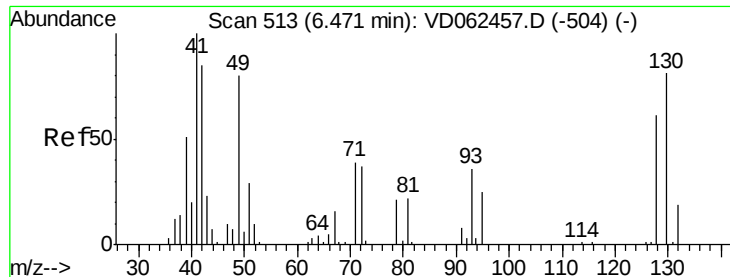
77 0.0 19.7 29.5#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 80.112 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 18105

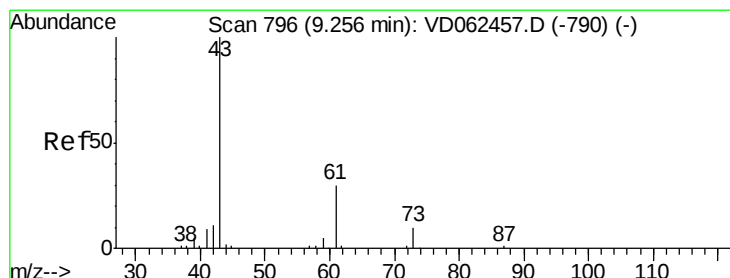
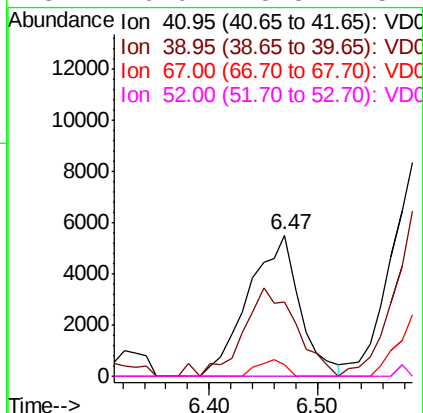
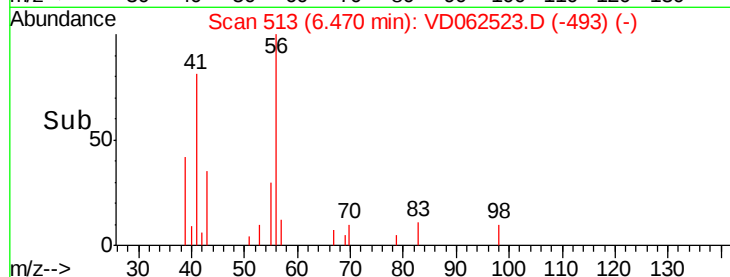
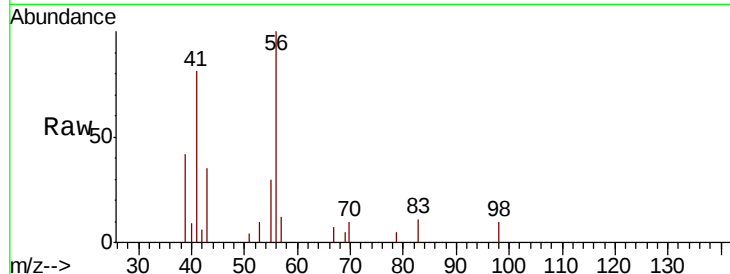
Ion Ratio Lower Upper

41 100

39 52.5 34.1 51.1#

67 8.1 23.8 35.6#

52 0.0 8.8 13.2#



#43

Isopropyl Acetate

Concen: 117.475 ug/l

RT: 9.27 min Scan# 798

Delta R.T. 0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

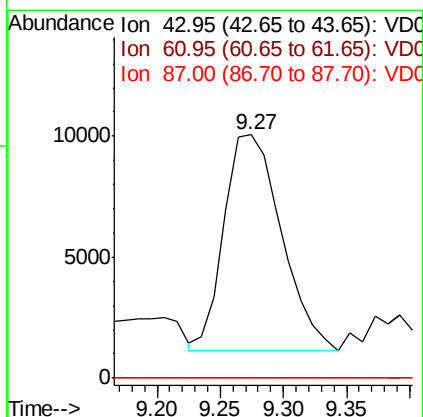
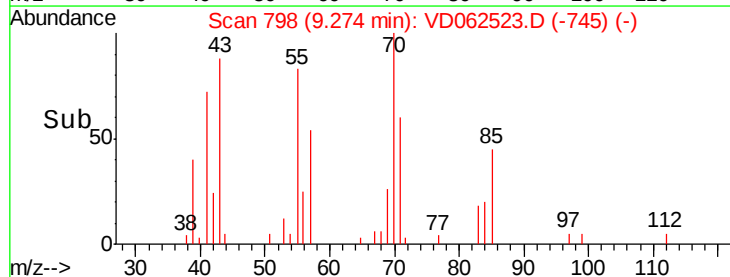
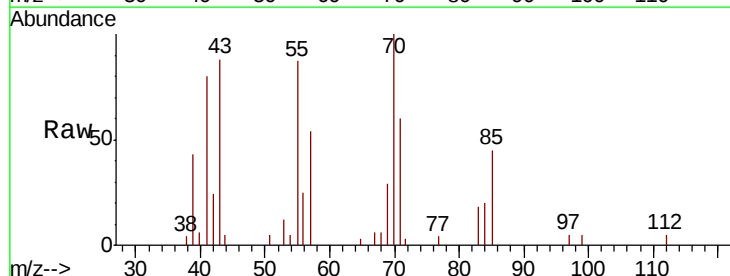
Tgt Ion: 43 Resp: 28043

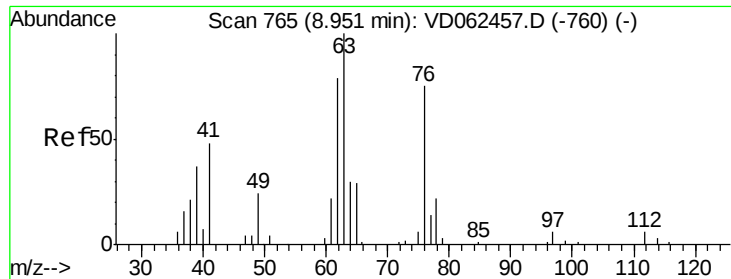
Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

87 0.0 0.0 0.0





#45

1,2-Dichloropropane

Concen: 34.980 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.09 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

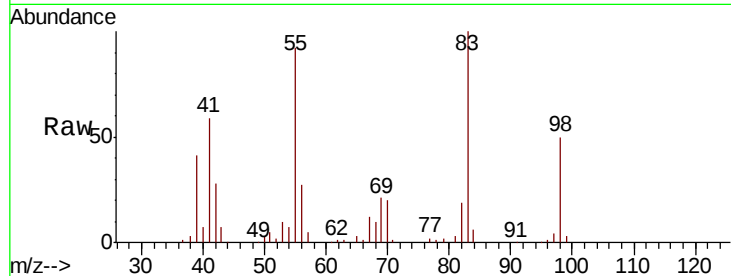
ClientSampleId :

Tot Ion: 63 Resp: 7745

Ion Ratio Lower Upper

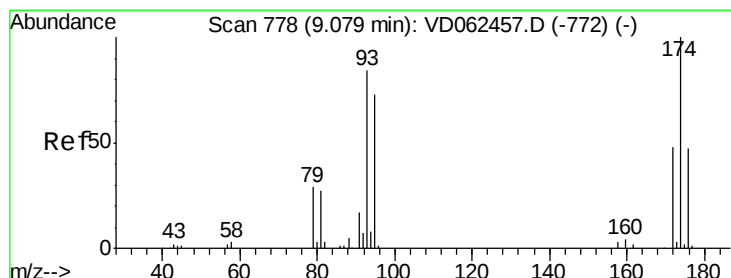
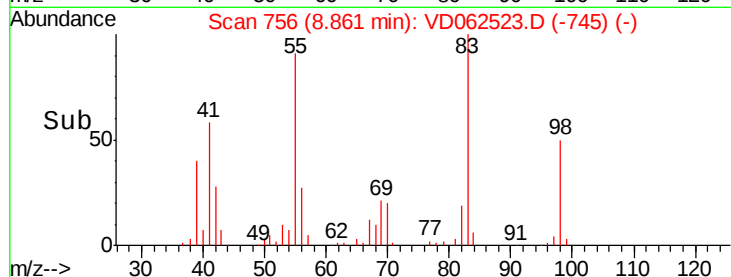
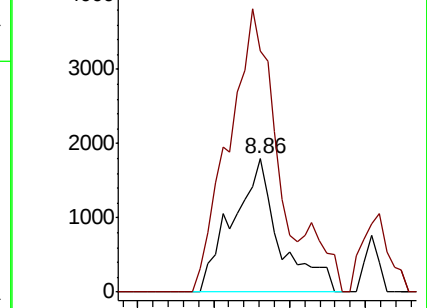
63 100

65 180.8 23.8 35.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 7.225 ug/l

RT: 9.02 min Scan# 772

Delta R.T. -0.06 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

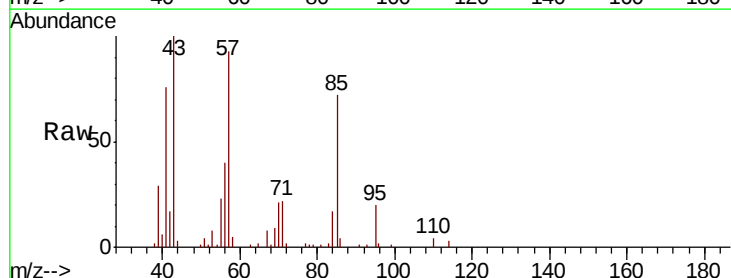
Tgt Ion: 93 Resp: 1450

Ion Ratio Lower Upper

93 100

95 1510.0 64.8 97.2#

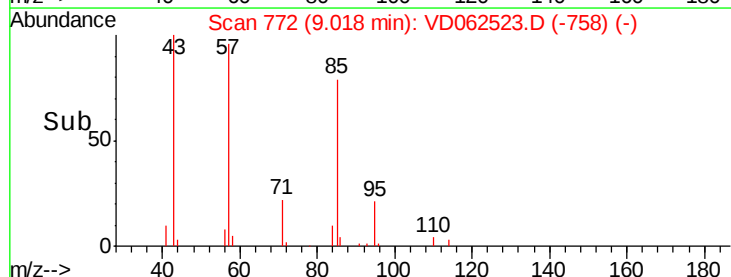
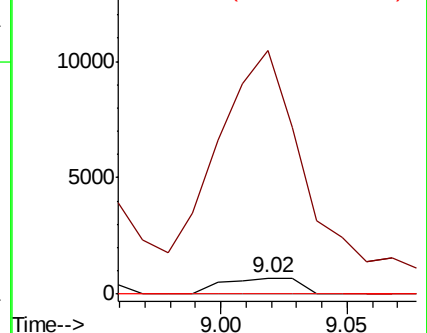
174 0.0 79.3 118.9#

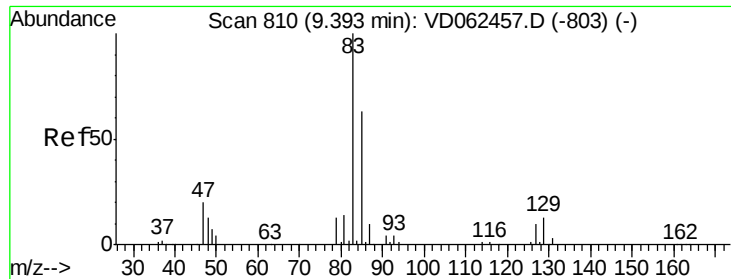


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 186.246 ug/l

RT: 9.38 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

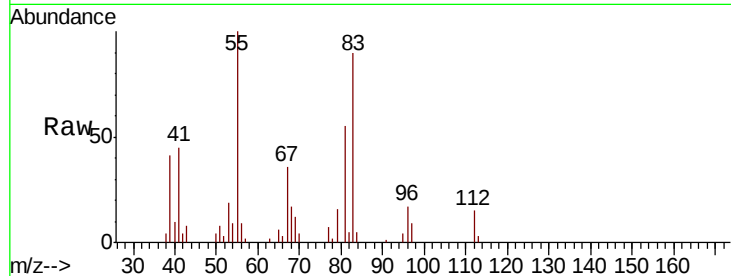
Tot Ion: 83 Resp: 95093

Ion Ratio Lower Upper

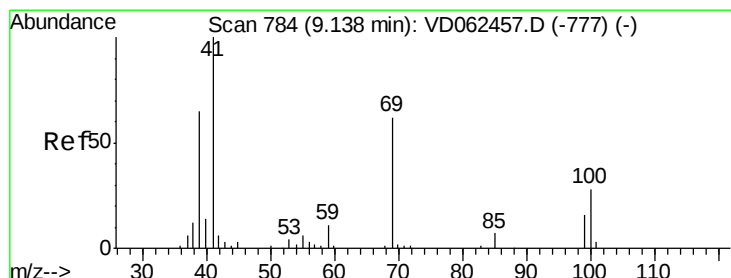
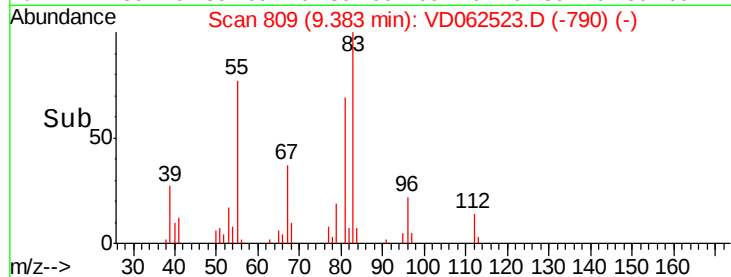
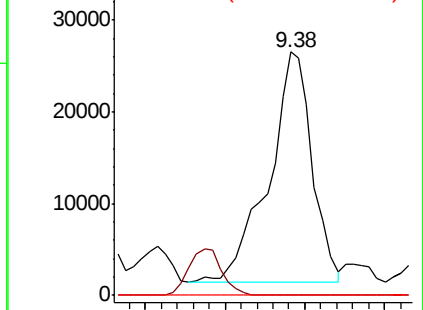
83 100

85 0.0 50.9 76.3#

127 0.0 8.1 12.1#



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: 633.928 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

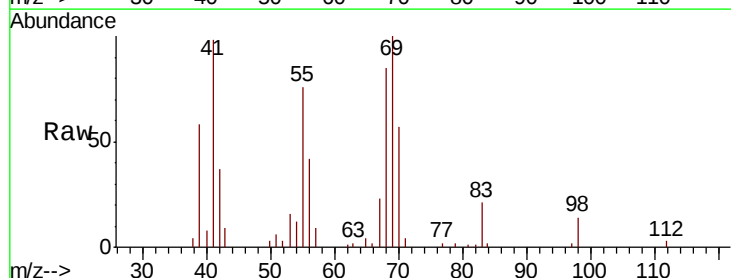
Tgt Ion: 41 Resp: 101836

Ion Ratio Lower Upper

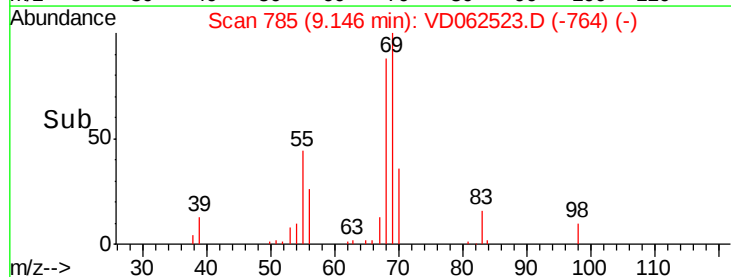
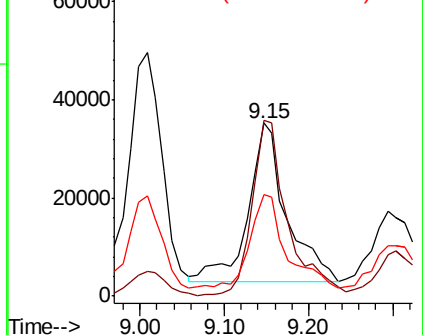
41 100

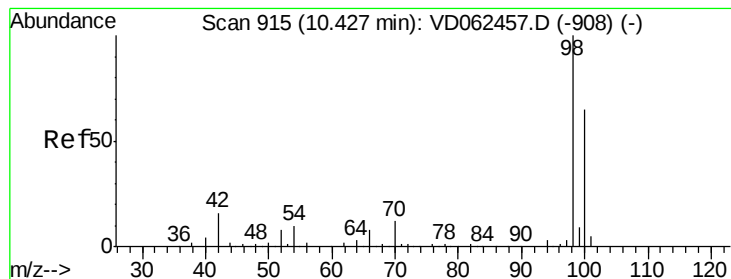
69 101.6 64.2 96.2#

39 58.6 46.8 70.2



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





#50

Toluene-d8

Concen: 65.453 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.03 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

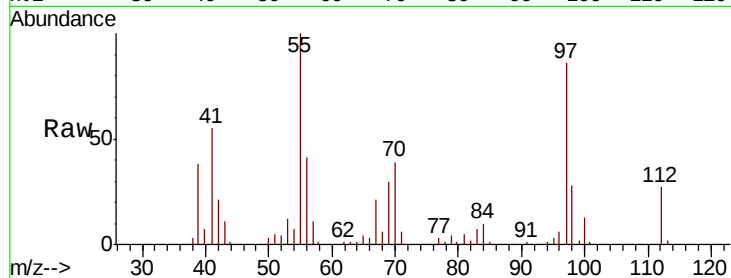
ClientSampled :

Tot Ion: 98 Resp: 62603

Ion Ratio Lower Upper

98 100

100 46.9 53.8 80.8#



Abundance Ion 98.05 (97.75 to 98.75): VD062457.D (-908) (-)

Ion 100.05 (99.75 to 100.75): VD062457.D (-908) (-)

10.40

20000

15000

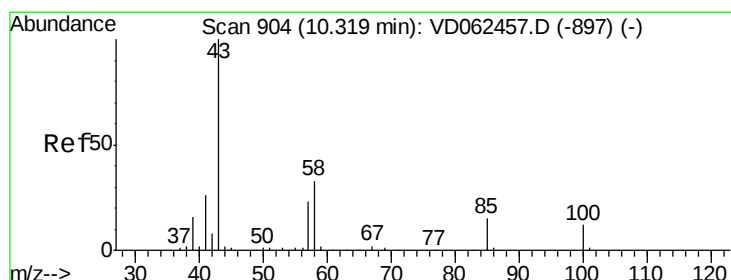
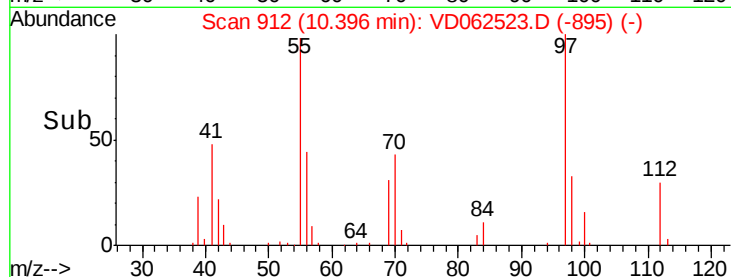
10000

5000

0

10.30 10.40 10.50

Time-->



#51

4-Methyl-2-Pentanone

Concen: 278.440 ug/l

RT: 10.36 min Scan# 908

Delta R.T. 0.04 min

Lab File: VD062523.D

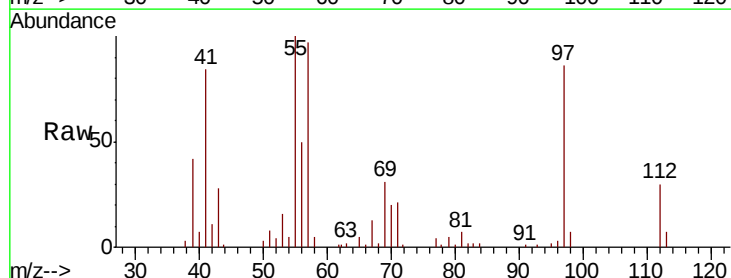
Acq: 23 May 2019 15:41

Tgt Ion: 43 Resp: 43910

Ion Ratio Lower Upper

43 100

58 16.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062457.D (-897) (-)

Ion 57.95 (57.65 to 58.65): VD062457.D (-897) (-)

10.36

15000

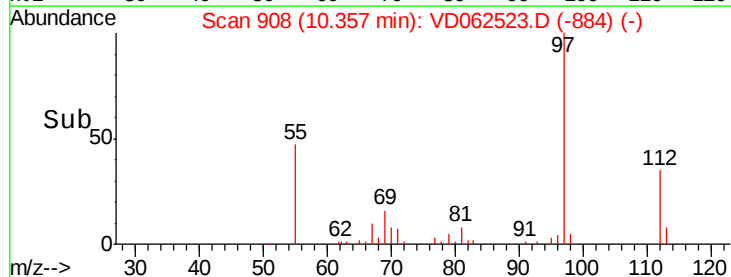
10000

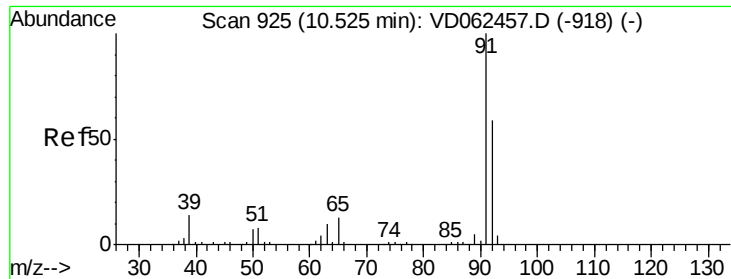
5000

0

10.30 10.40 10.50

Time-->





#52

Toluene

Concen: 9.011 ug/l

RT: 10.50 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

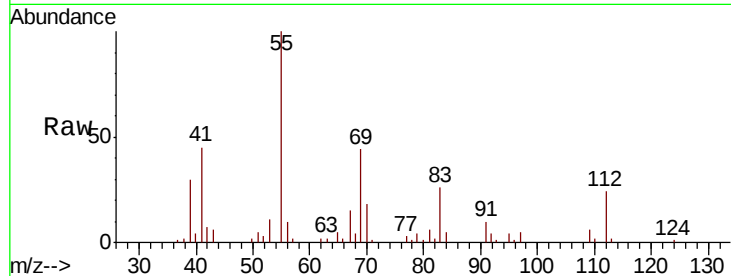
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 5605

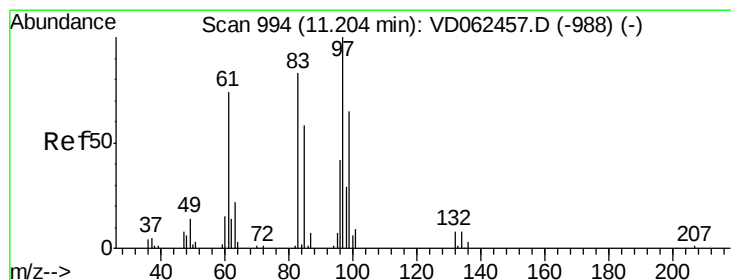
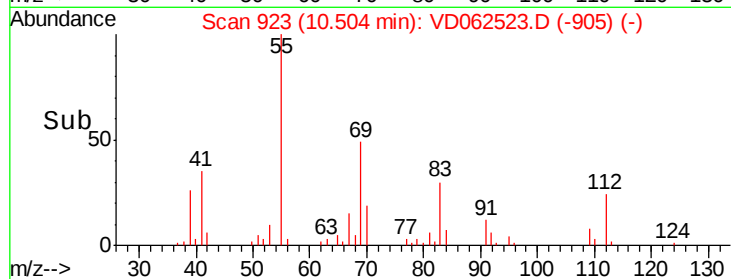
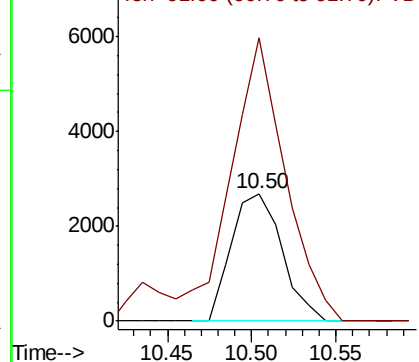
Ion Ratio Lower Upper

92 100

91 221.7 136.6 204.8#



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



#55

1,1,2-Trichloroethane

Concen: 64.567 ug/l

RT: 11.24 min Scan# 998

Delta R.T. 0.04 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Tgt Ion: 97 Resp: 13611

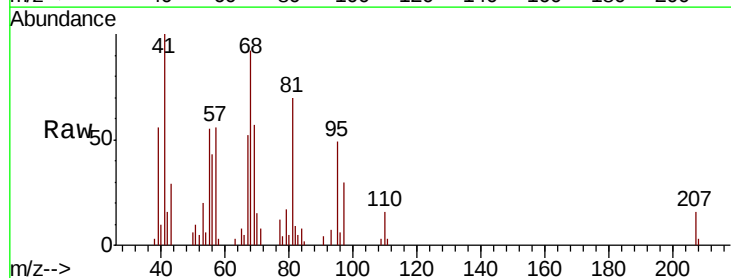
Ion Ratio Lower Upper

97 100

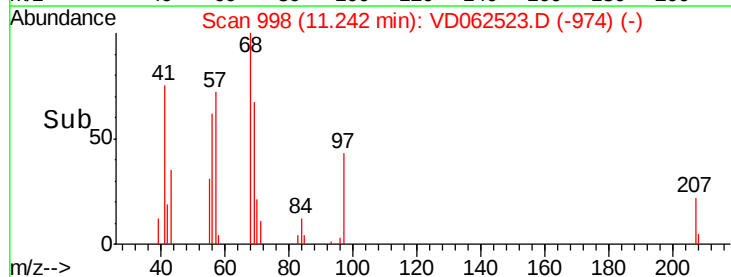
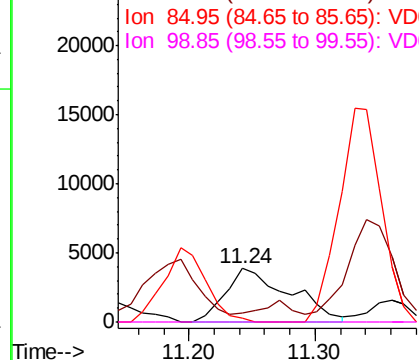
83 17.7 65.7 98.5#

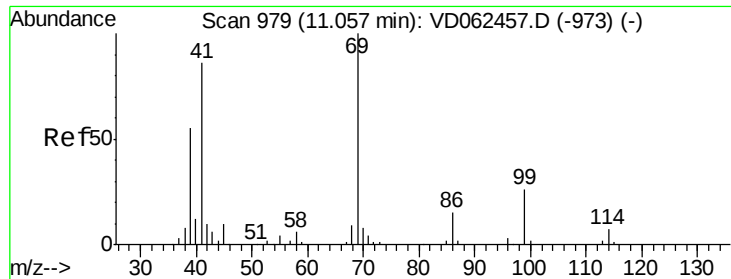
85 8.1 45.6 68.4#

99 0.0 48.4 72.6#



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: 397.315 ug/l

RT: 11.08 min Scan# 982

Delta R.T. 0.03 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampled :

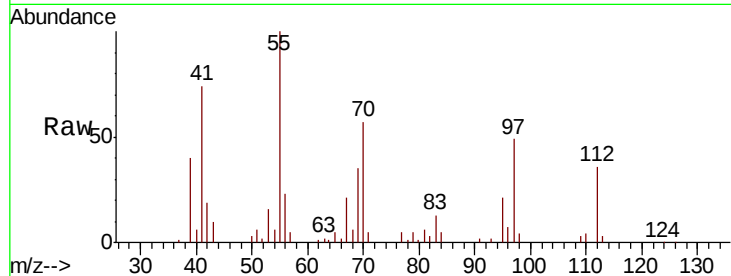
Tot Ion: 69 Resp: 89537

Ion Ratio Lower Upper

69 100

41 211.3 56.3 84.5#

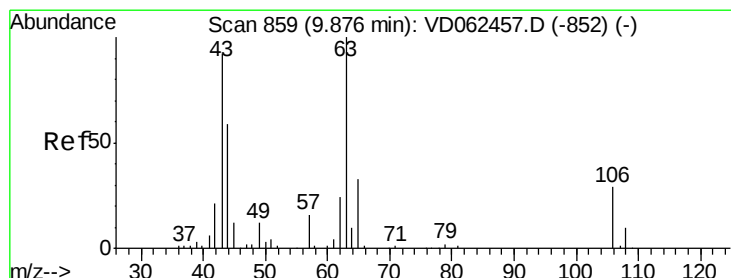
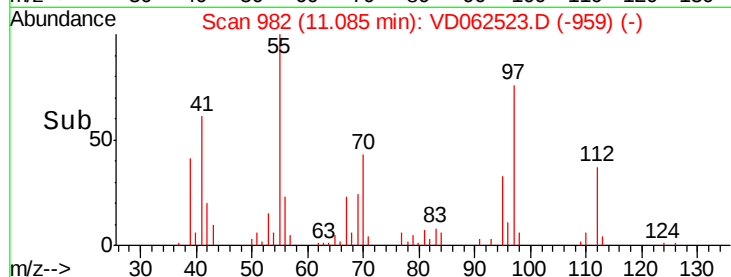
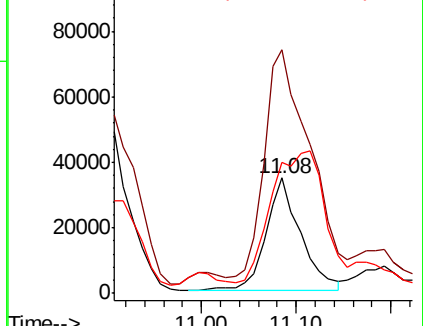
39 114.0 29.4 44.2#



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



#58

2-Chloroethyl Vinyl ether

Concen: 55.082 ug/l

RT: 9.93 min Scan# 865

Delta R.T. 0.06 min

Lab File: VD062523.D

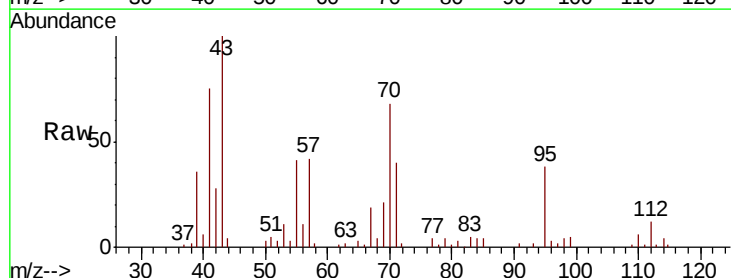
Acq: 23 May 2019 15:41

Tgt Ion: 63 Resp: 6374

Ion Ratio Lower Upper

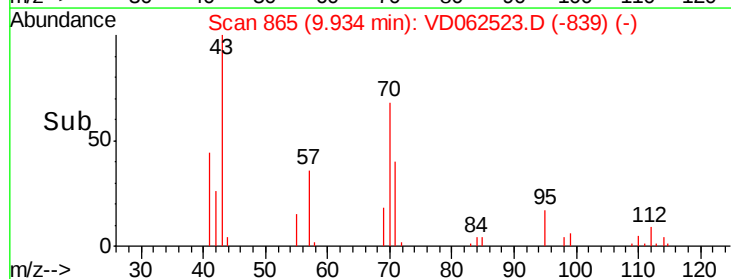
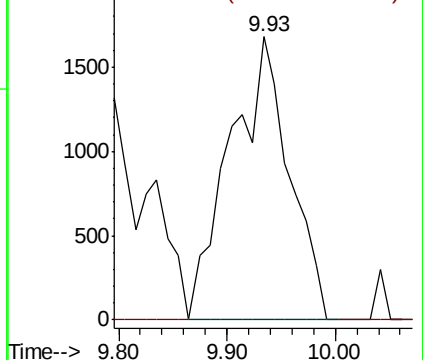
63 100

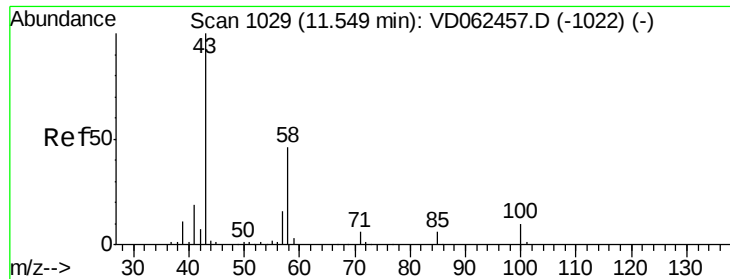
106 0.0 22.6 34.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

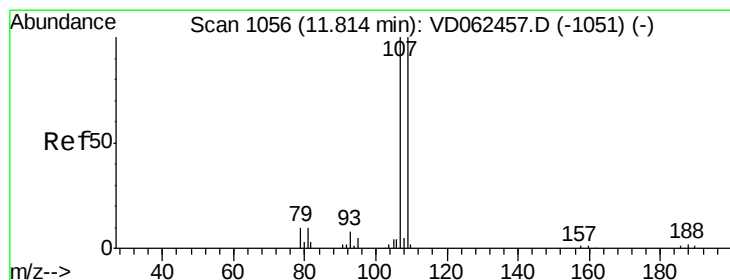
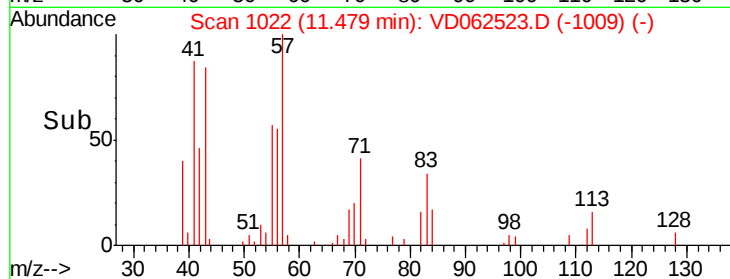
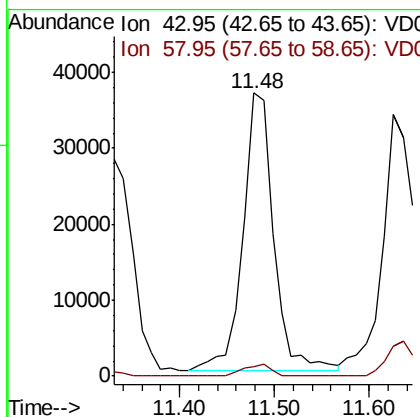
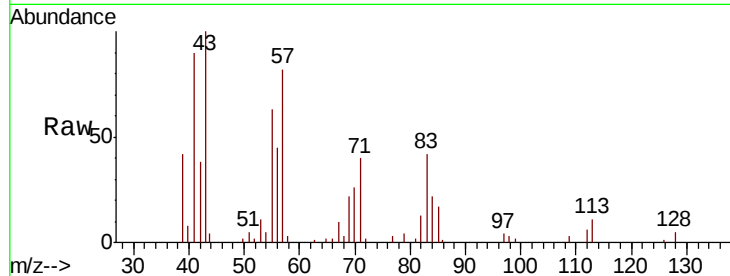




#59
2-Hexanone
Concen: 720.529 ug/l
RT: 11.48 min Scan# 1022
Delta R.T. -0.07 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

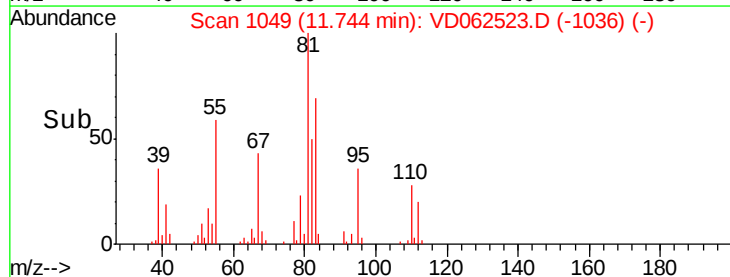
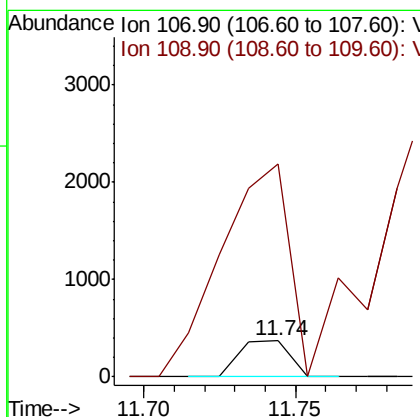
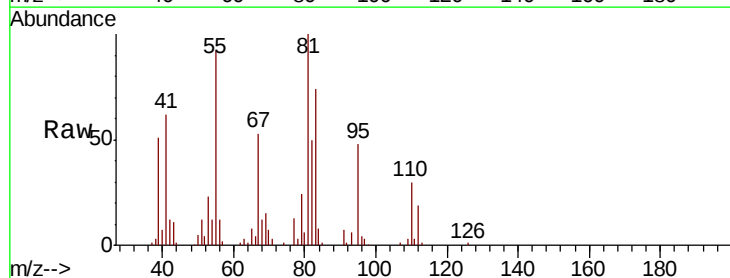
Instrument :
MSVOA_D
ClientSampled :

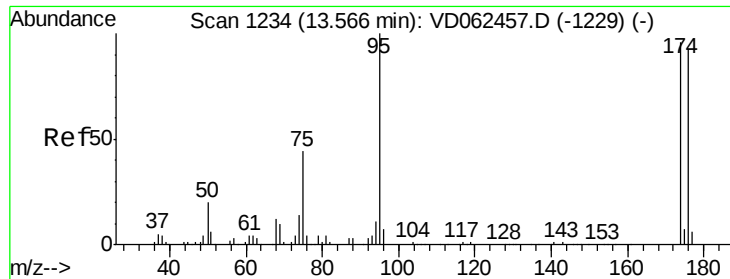
Tot Ion: 43 Resp: 82582
Ion Ratio Lower Upper
43 100
58 3.5 25.4 76.4#



#61
1,2-Dibromoethane
Concen: 1.651 ug/l
RT: 11.74 min Scan# 1049
Delta R.T. -0.07 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion:107 Resp: 429
Ion Ratio Lower Upper
107 100
109 592.7 78.3 117.5#

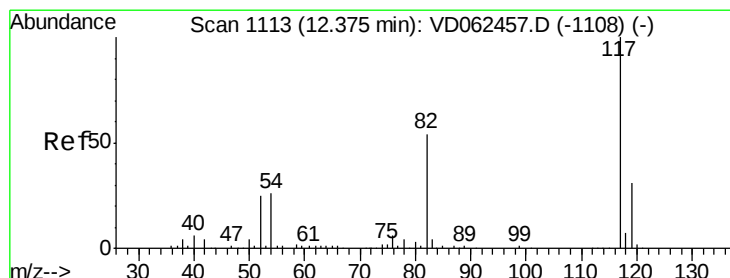
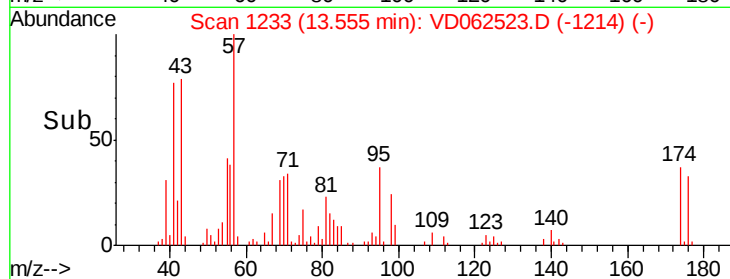
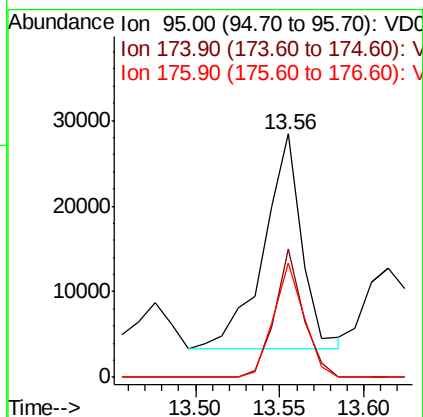
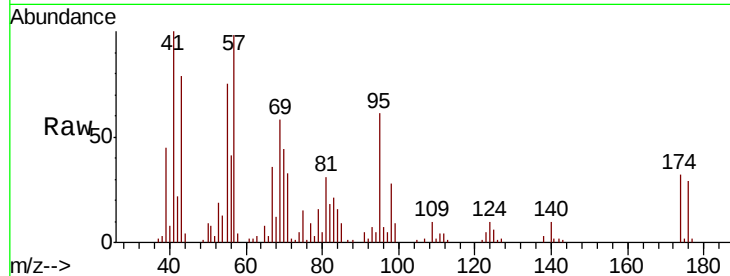




#62
4-Bromofluorobenzene
Concen: 93.212 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

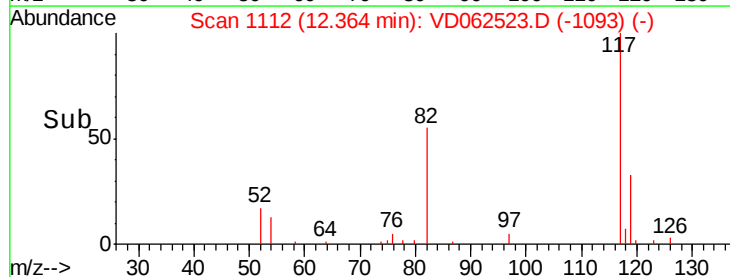
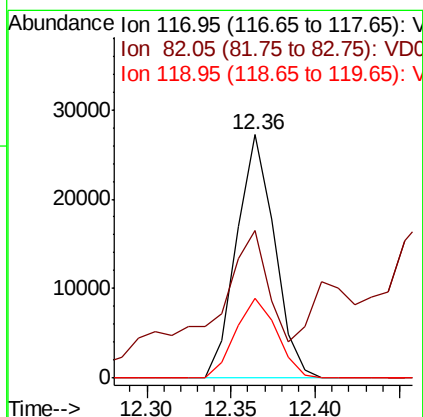
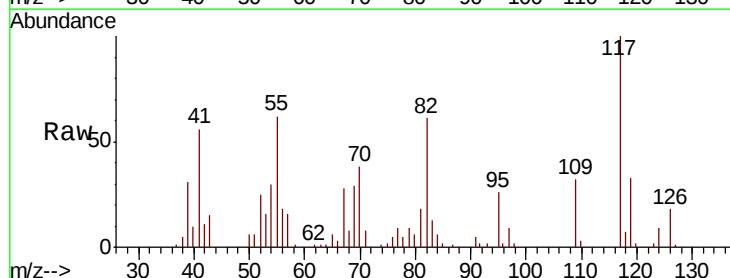
Instrument :
MSVOA_D
ClientSampleId :

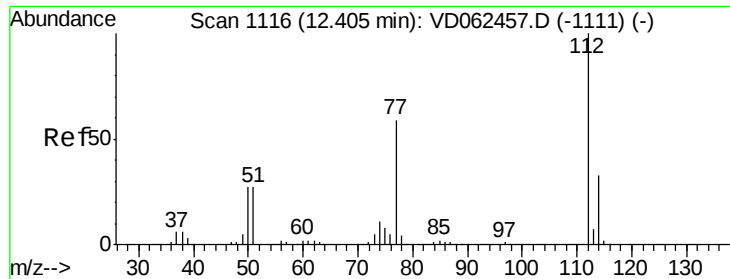
Tot Ion: 95 Resp: 38999
Ion Ratio Lower Upper
95 100
174 52.9 0.0 181.8
176 47.1 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 117 Resp: 42539
Ion Ratio Lower Upper
117 100
82 60.8 36.2 54.2#
119 32.6 26.2 39.4

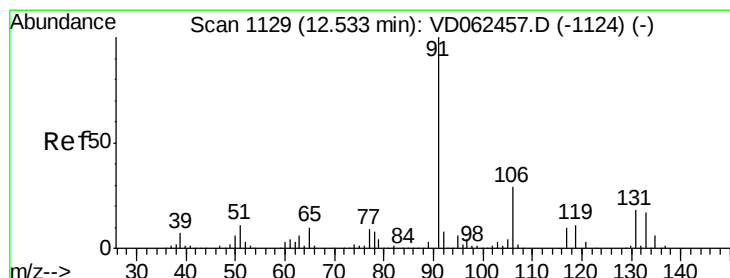
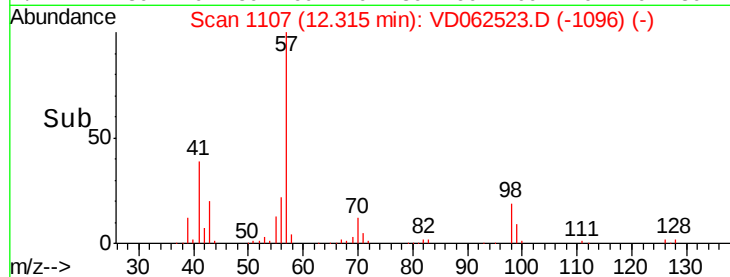
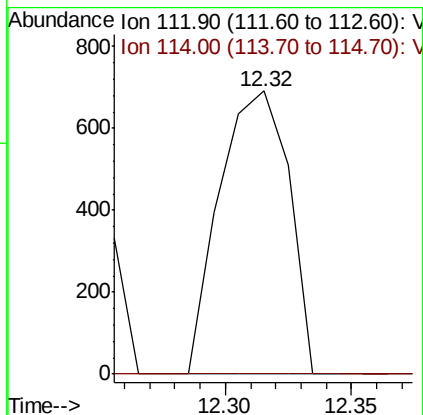
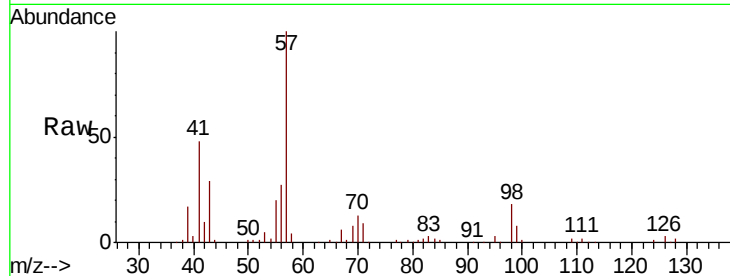




#65
Chlorobenzene
Concen: 1.612 ug/l
RT: 12.32 min Scan# 1107
Delta R.T. -0.09 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

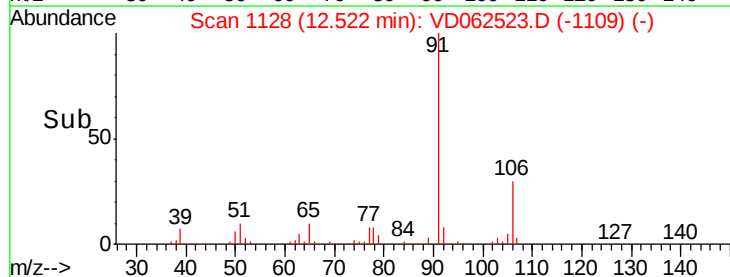
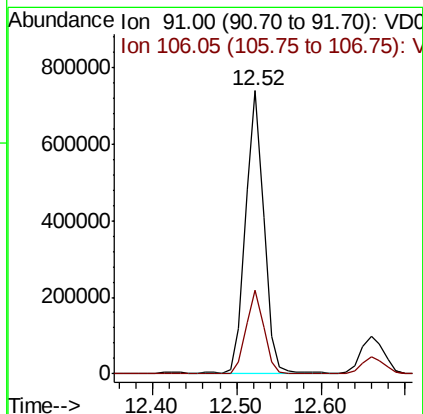
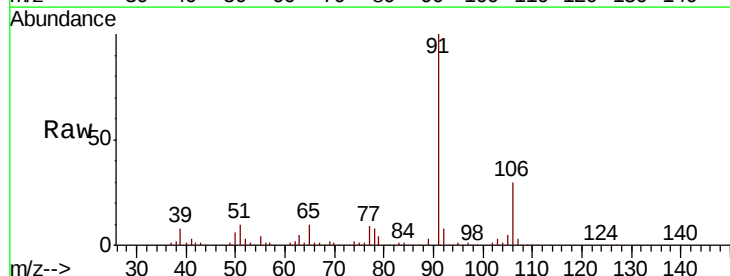
Instrument :
MSVOA_D
ClientSampleId :

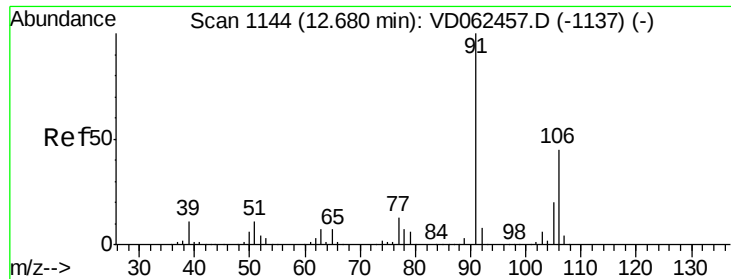
Tot Ion:112 Resp: 1319
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.8#



#67
Ethyl Benzene
Concen: 791.811 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 91 Resp: 1115683
Ion Ratio Lower Upper
91 100
106 29.8 24.7 37.1

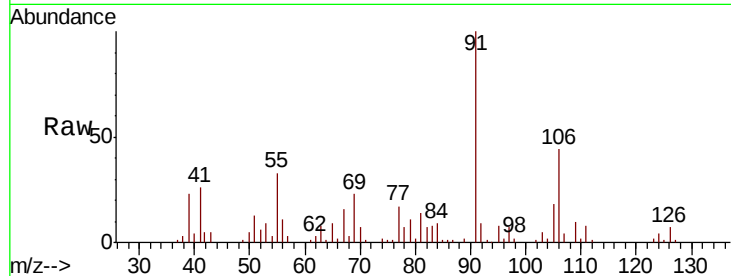




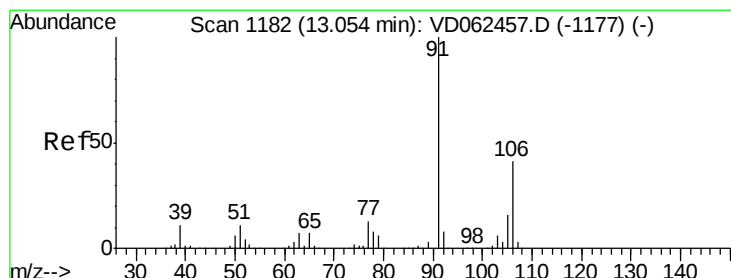
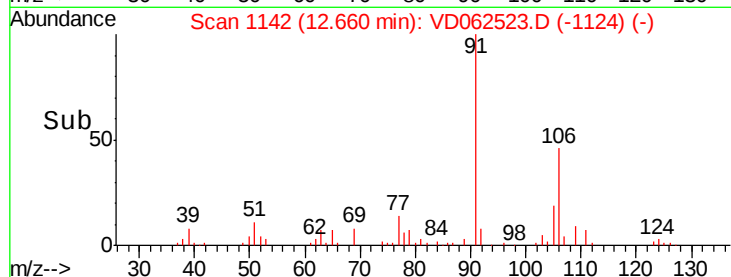
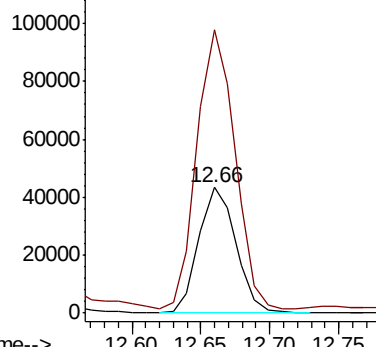
#68
m/p-Xylenes
Concen: 161.822 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 81847
Ion Ratio Lower Upper
106 100
91 224.9 164.0 246.0

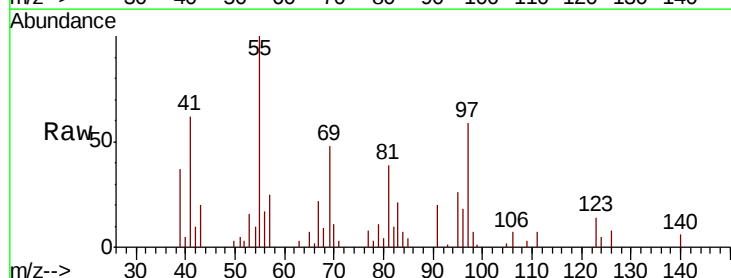


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

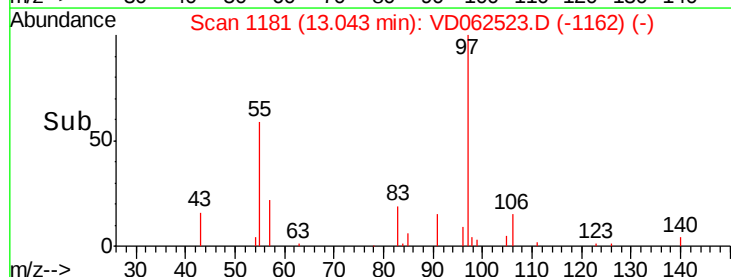
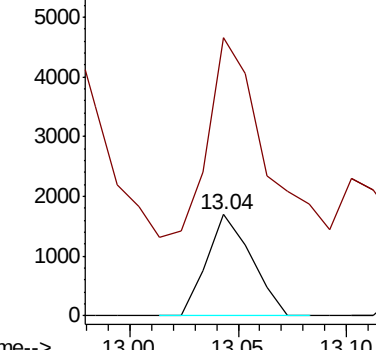


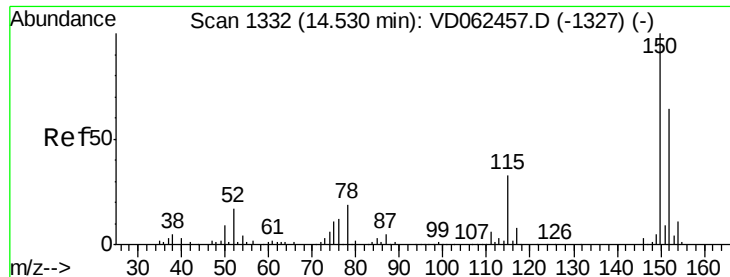
#69
o-Xylene
Concen: 5.084 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion:106 Resp: 2426
Ion Ratio Lower Upper
106 100
91 274.1 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

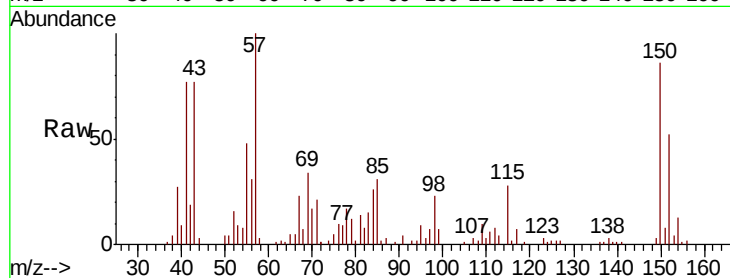
Tot Ion:152 Resp: 24806

Ion Ratio Lower Upper

152 100

115 54.0 30.9 92.7

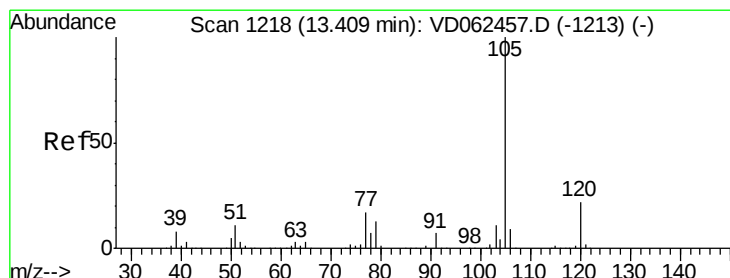
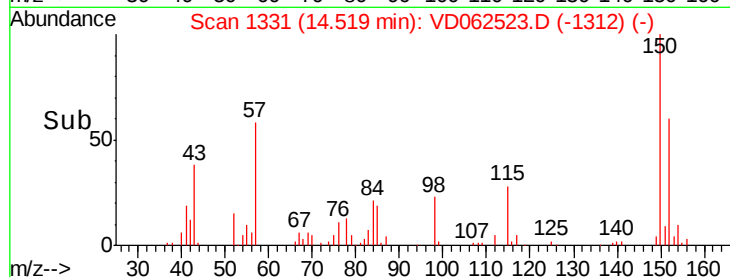
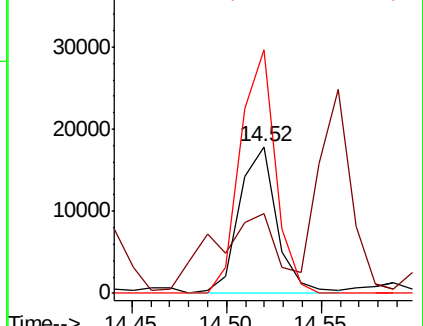
150 165.8 0.0 314.8



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: 1506.975 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062523.D

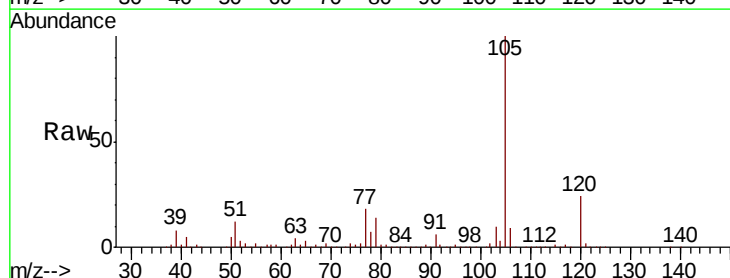
Acq: 23 May 2019 15:41

Tgt Ion:105 Resp: 2356330

Ion Ratio Lower Upper

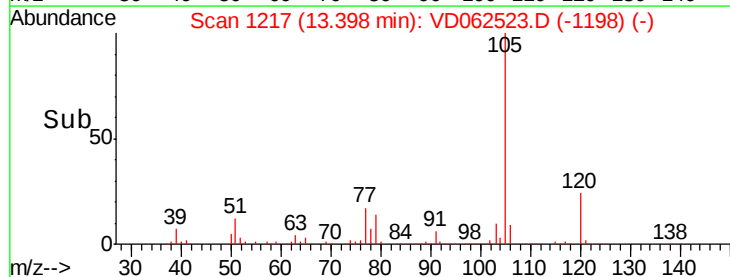
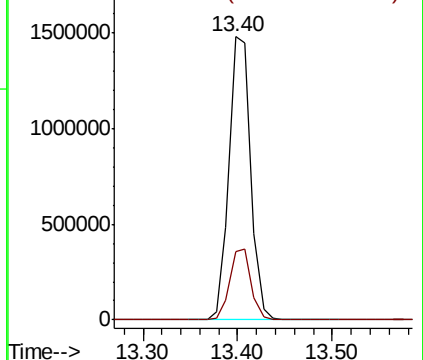
105 100

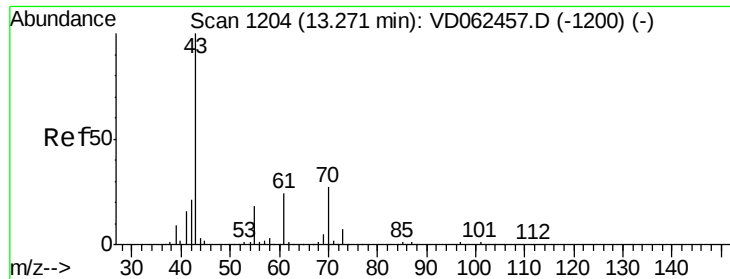
120 24.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 107.642 ug/l

RT: 13.30 min Scan# 1207

Delta R.T. 0.03 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 41570

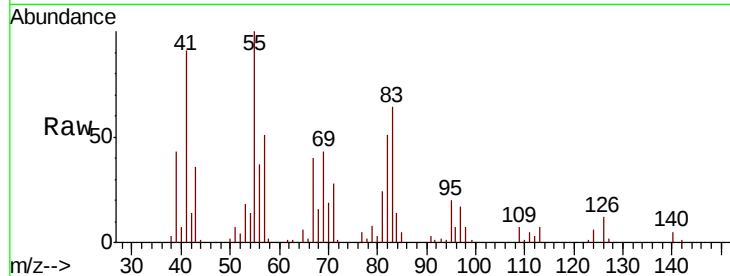
Ion Ratio Lower Upper

43 100

70 54.2 24.2 36.4#

55 279.1 16.0 24.0#

61 0.0 21.6 32.4#

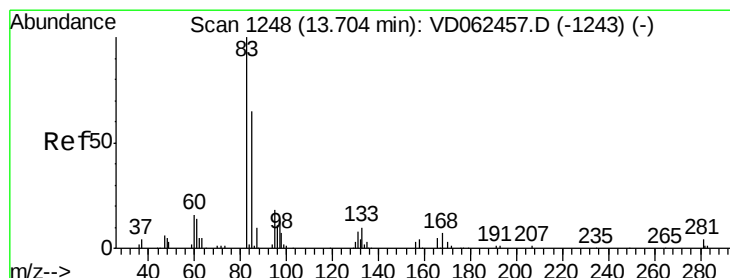
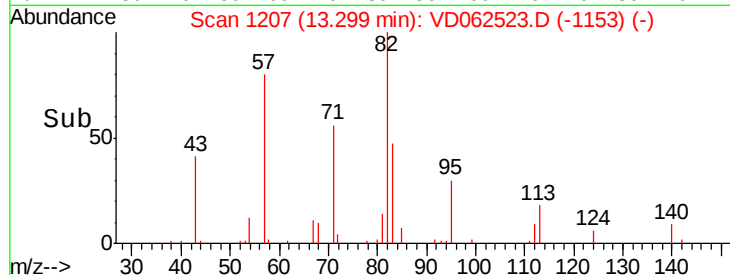
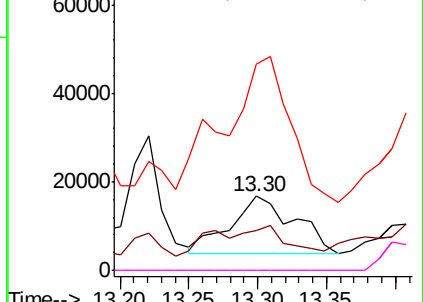


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 23.227 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

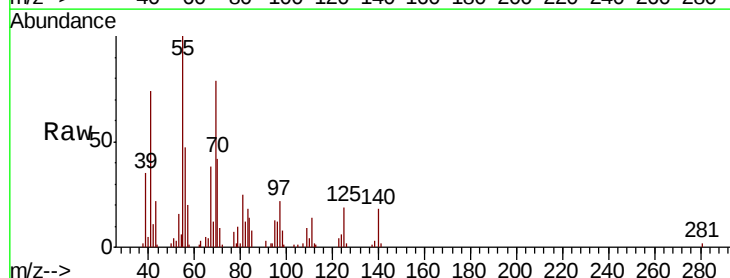
Tgt Ion: 83 Resp: 6552

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

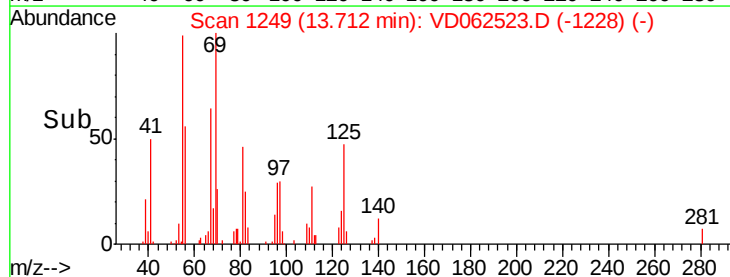
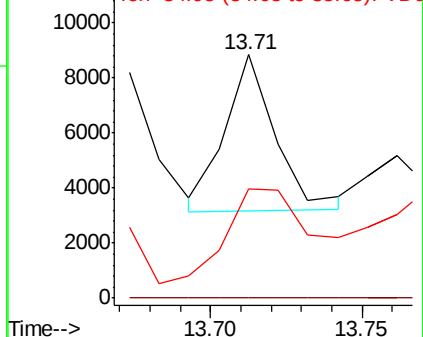
85 44.7 32.6 97.7

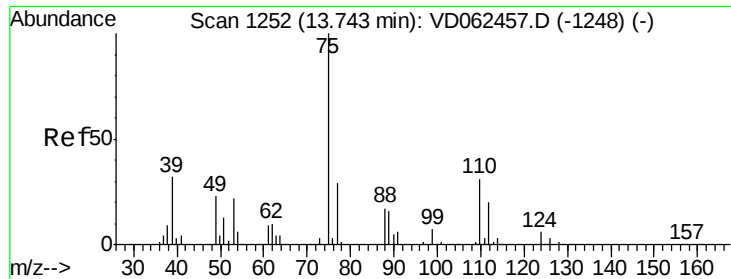


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 59.921 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.03 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

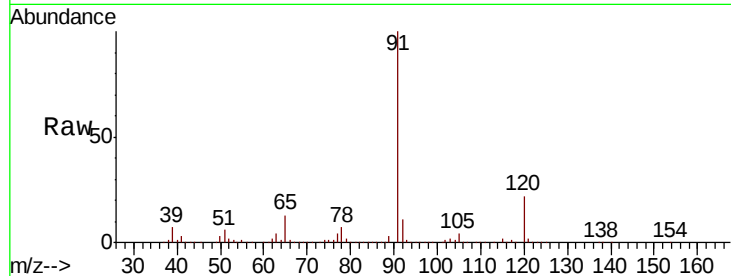
ClientSampled :

Tot Ion: 75 Resp: 17508

Ion Ratio Lower Upper

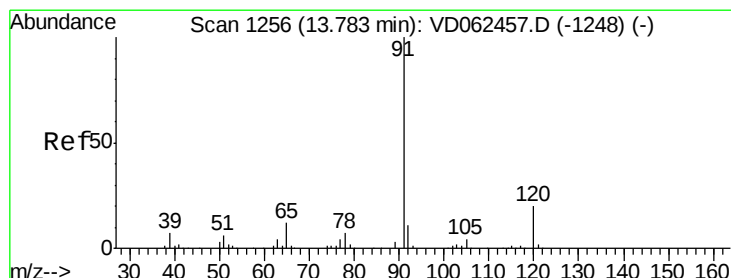
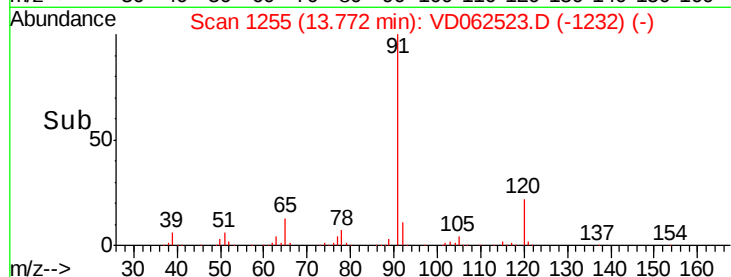
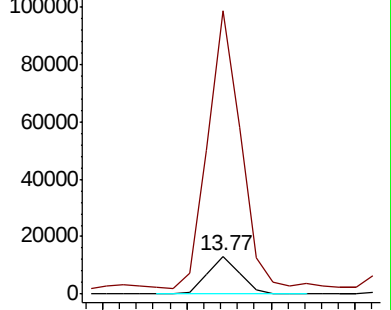
75 100

77 740.7 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#78

n-propylbenzene

Concen: 1611.069 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062523.D

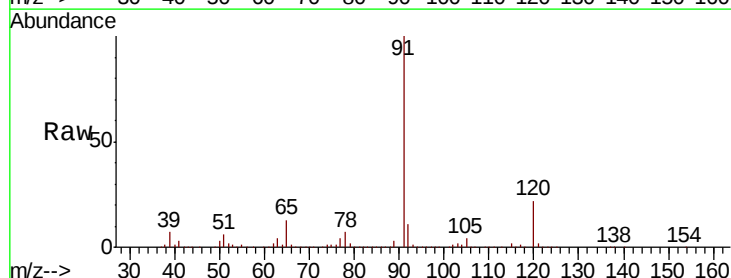
Acq: 23 May 2019 15:41

Tgt Ion: 91 Resp: 2917950

Ion Ratio Lower Upper

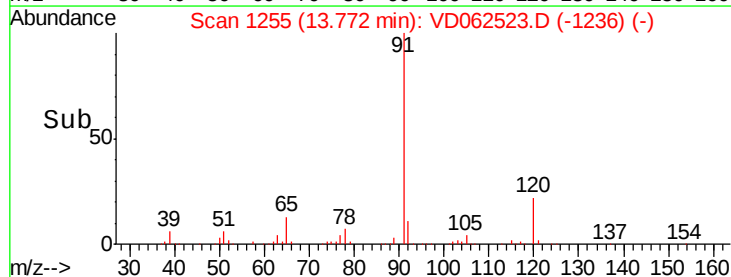
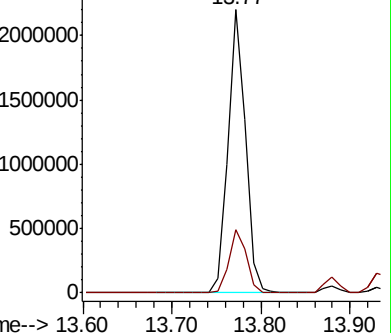
91 100

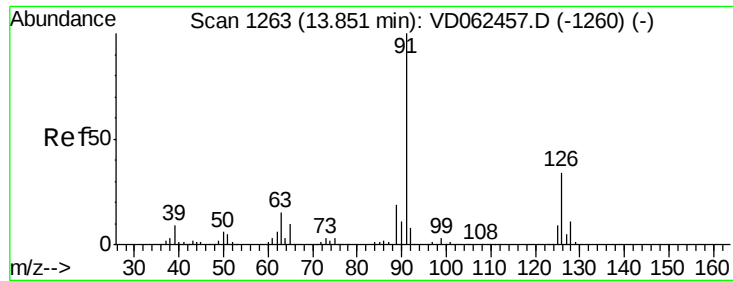
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

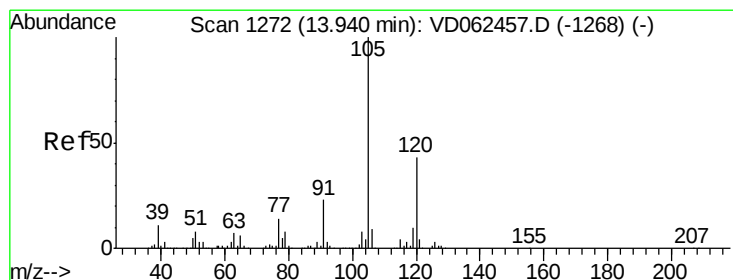
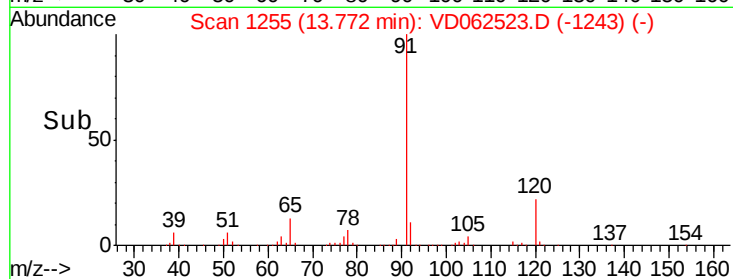
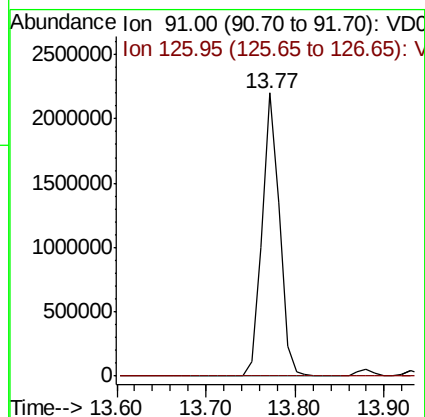
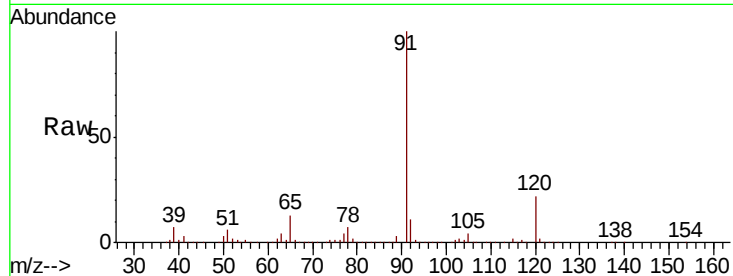




#79
 2-Chlorotoluene
 Concen: 2654.758 ug/l
 RT: 13.77 min Scan# 1255
 Delta R.T. -0.08 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

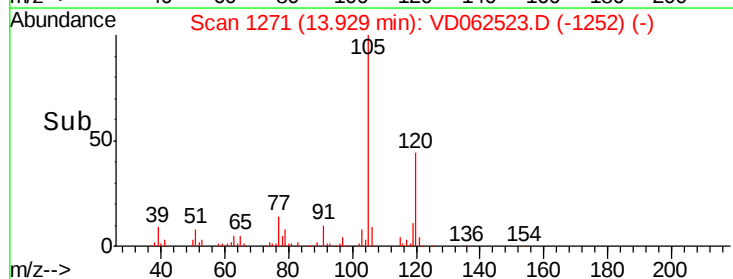
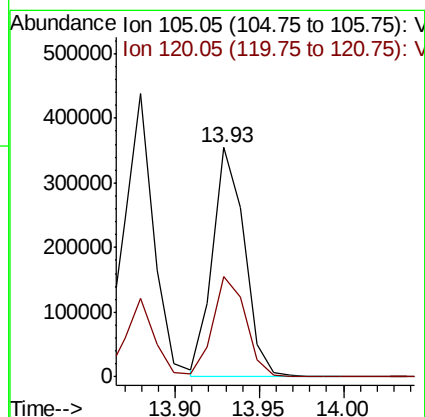
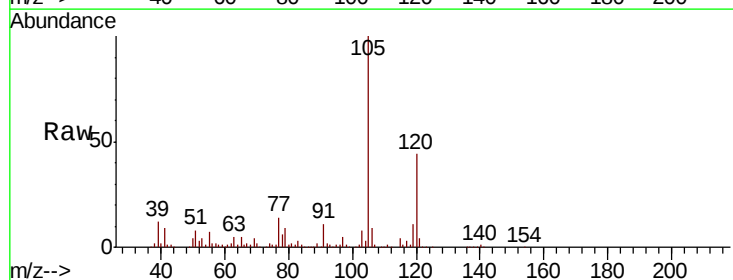
Instrument :
 MSVOA_D
 ClientSampleId :

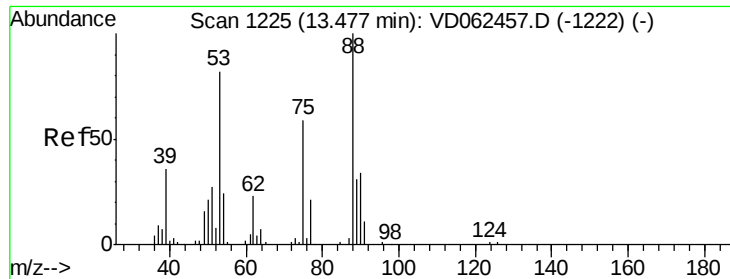
Tot Ion: 91 Resp: 2917950
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.6 55.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 343.259 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Tgt Ion:105 Resp: 464724
 Ion Ratio Lower Upper
 105 100
 120 43.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 106.099 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampled :

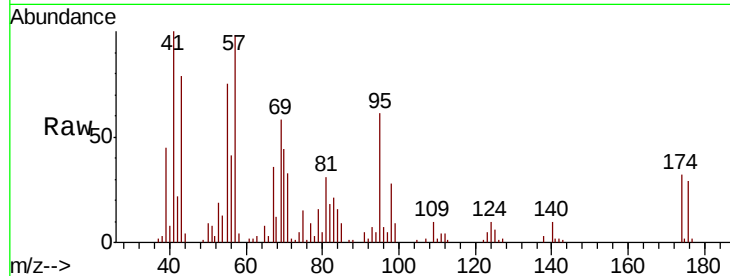
Tot Ion: 75 Resp: 8743

Ion Ratio Lower Upper

75 100

53 126.8 65.8 98.8#

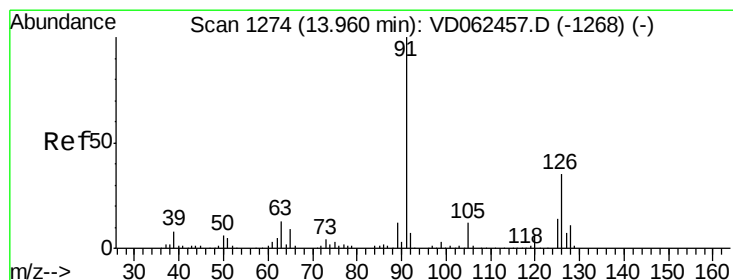
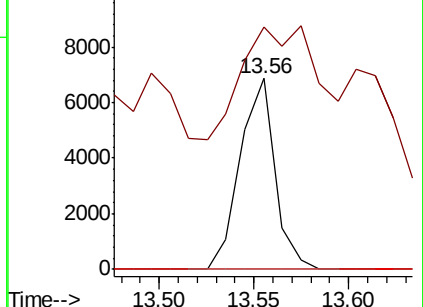
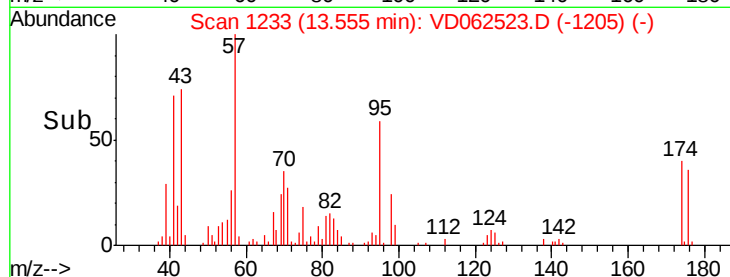
89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 78.989 ug/l

RT: 14.09 min Scan# 1287

Delta R.T. 0.13 min

Lab File: VD062523.D

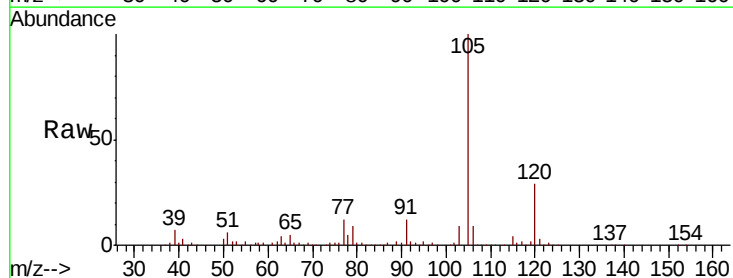
Acq: 23 May 2019 15:41

Tgt Ion: 91 Resp: 99986

Ion Ratio Lower Upper

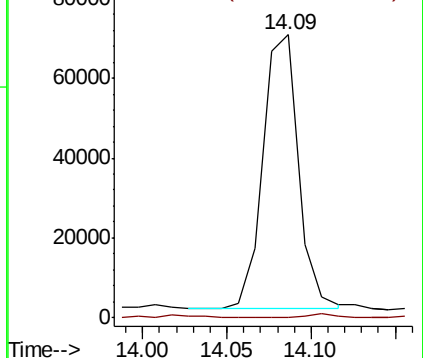
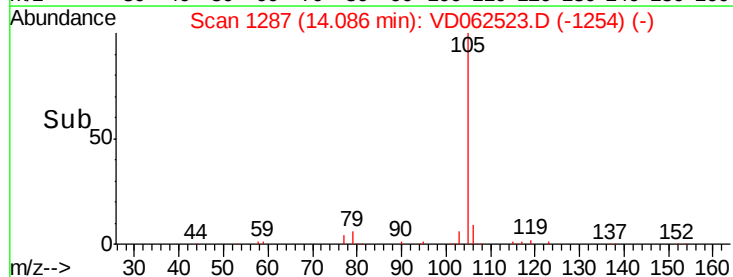
91 100

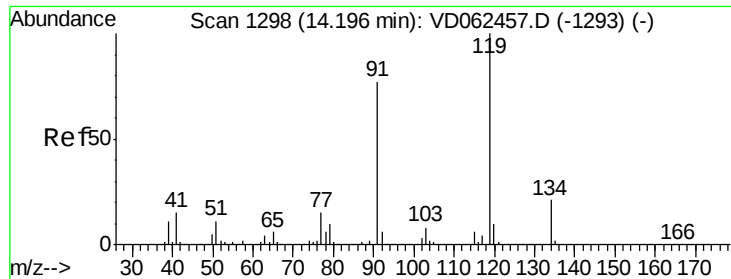
126 0.0 19.1 57.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

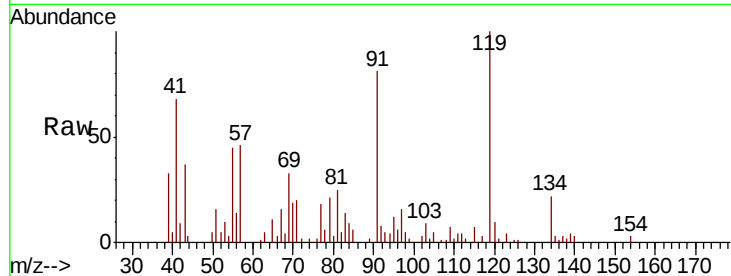




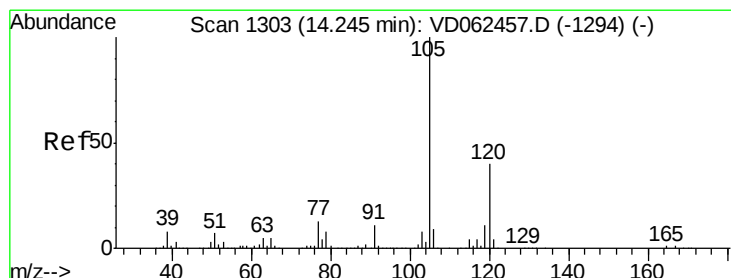
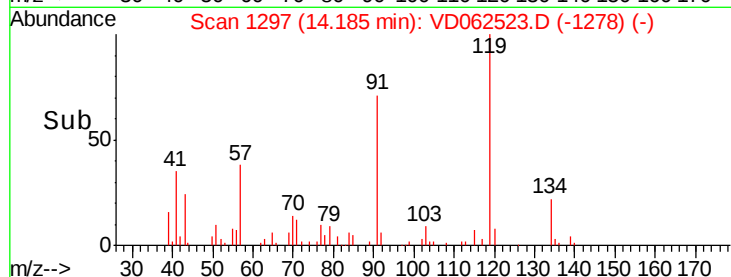
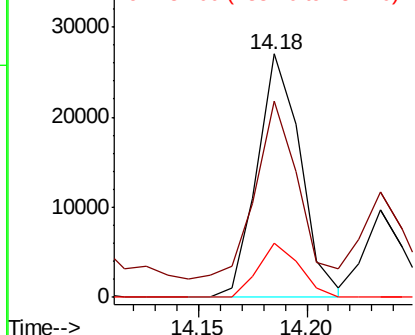
#83
 tert-Butylbenzene
 Concen: 24.886 ug/l
 RT: 14.18 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 37373
 Ion Ratio Lower Upper
 119 100
 91 80.8 34.2 102.6
 134 22.2 12.0 36.0

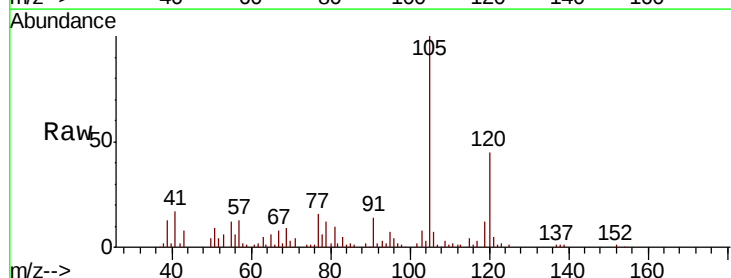


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

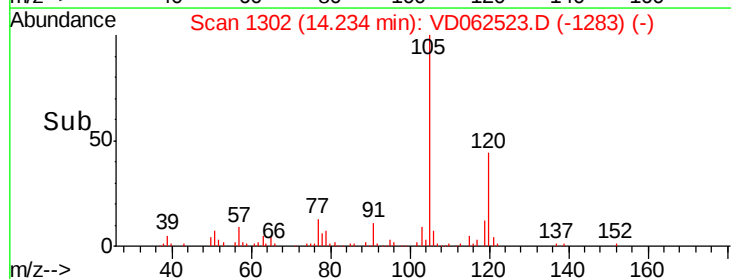
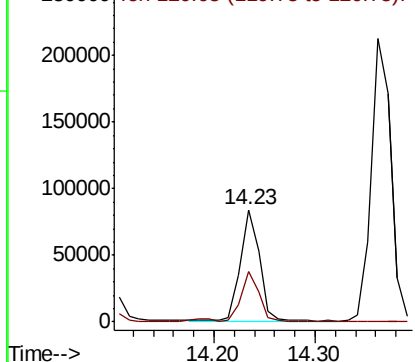


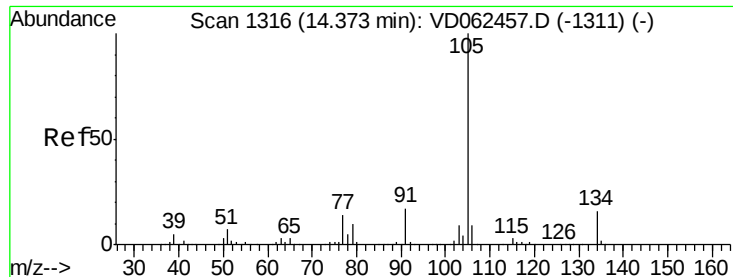
#84
 1,2,4-Trimethylbenzene
 Concen: 80.424 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Tgt Ion:105 Resp: 111570
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

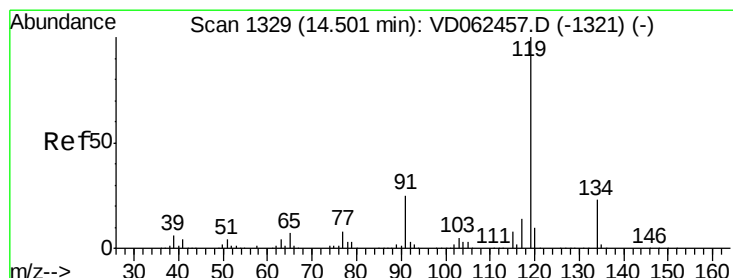
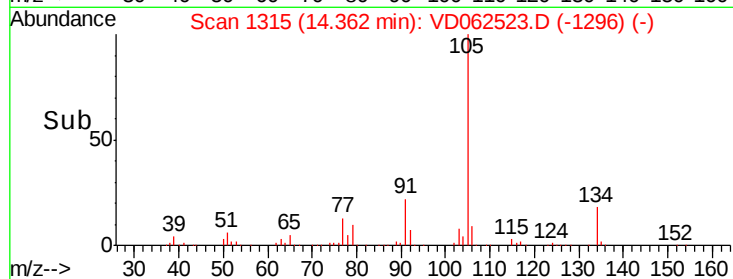
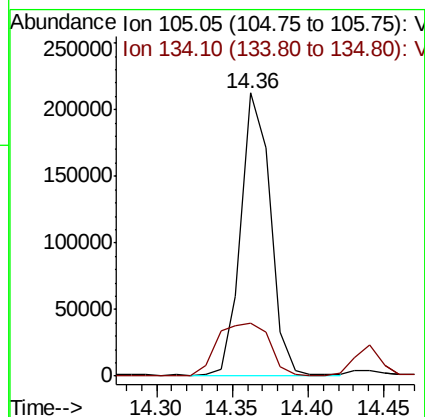
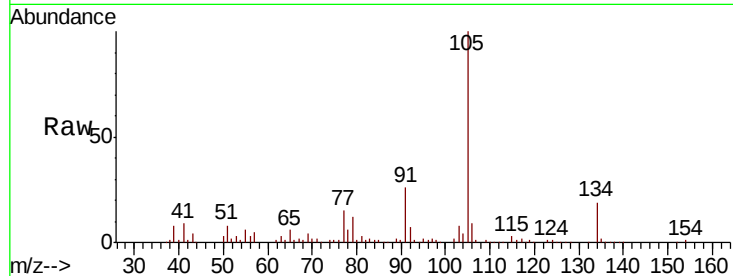




#85
 sec-Butylbenzene
 Concen: 183.181 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

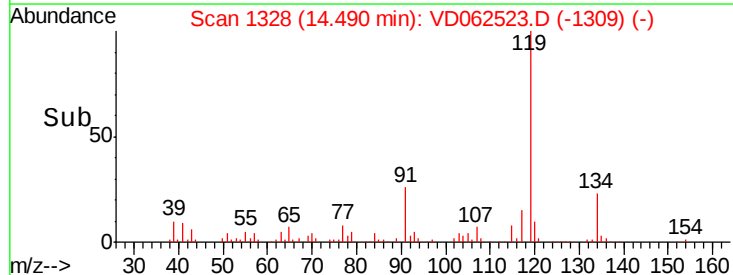
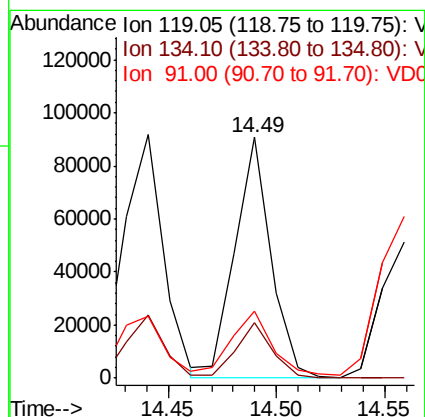
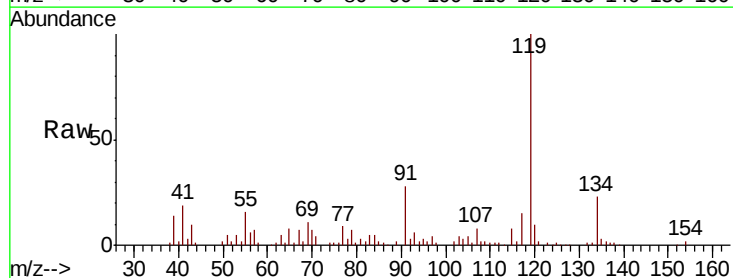
Instrument :
 MSVOA_D
 ClientSampleID :

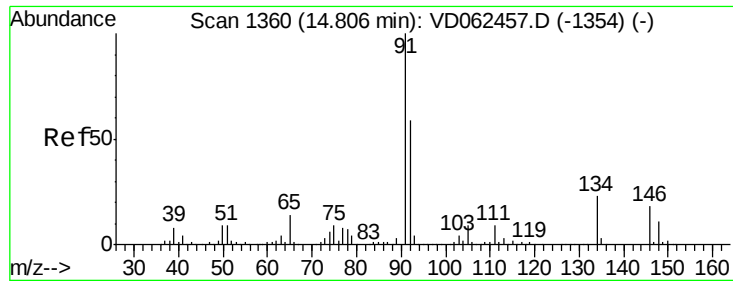
Tot Ion:105 Resp: 286842
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 73.624 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Tgt Ion:119 Resp: 104477
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.8 38.3
 91 28.0 10.7 32.1





#89

n-Butylbenzene

Concen: 493.635 ug/l

RT: 14.79 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

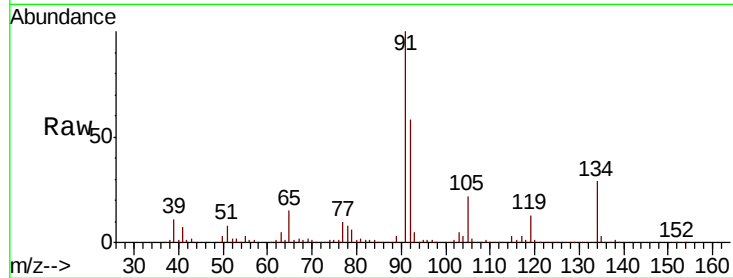
Tot Ion: 91 Resp: 676036

Ion Ratio Lower Upper

91 100

92 58.2 30.3 91.0

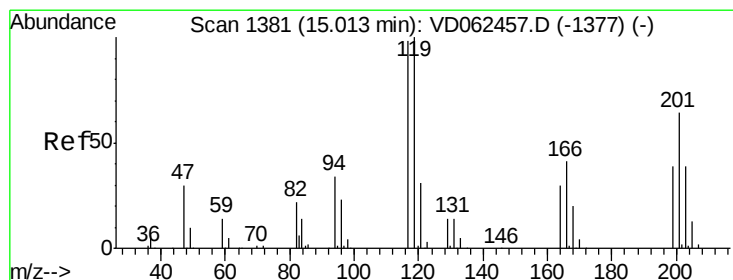
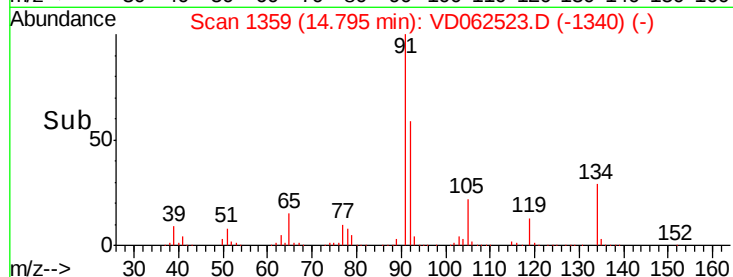
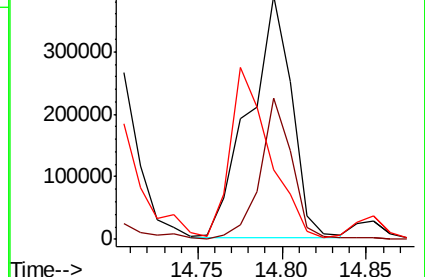
134 28.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 92.141 ug/l

RT: 14.97 min Scan# 1377

Delta R.T. -0.04 min

Lab File: VD062523.D

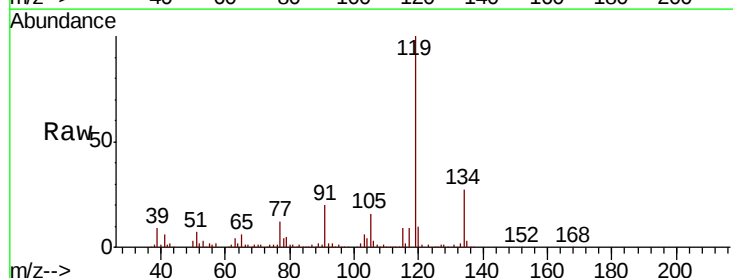
Acq: 23 May 2019 15:41

Tgt Ion: 117 Resp: 36136

Ion Ratio Lower Upper

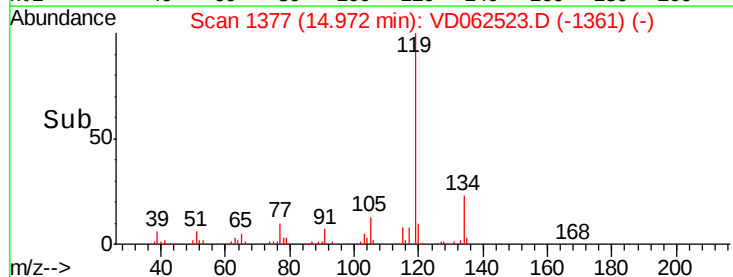
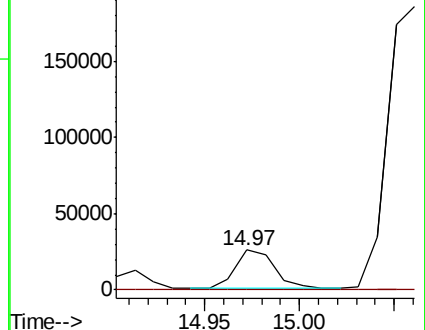
117 100

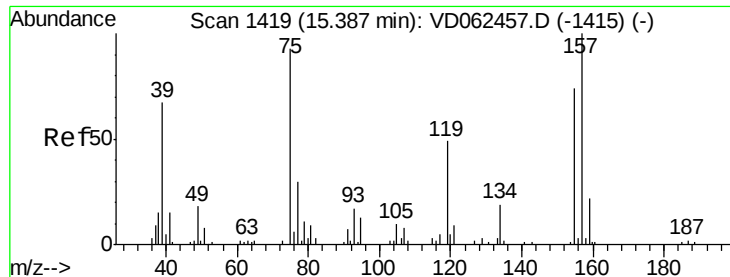
201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 70.764 ug/l

RT: 15.42 min Scan# 1423

Delta R.T. 0.04 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

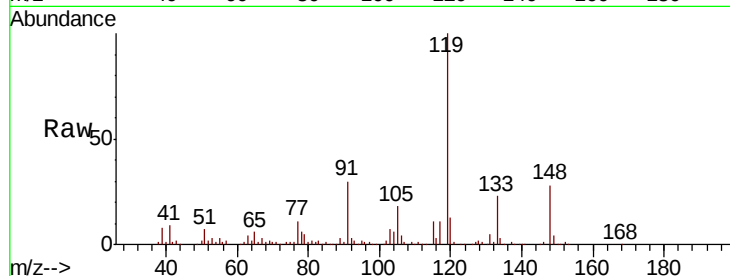
Tot Ion: 75 Resp: 3789

Ion Ratio Lower Upper

75 100

155 0.0 55.3 165.8#

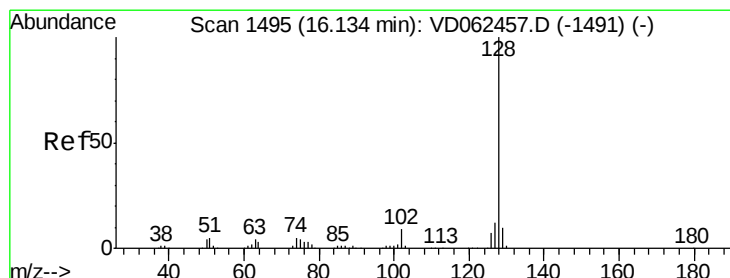
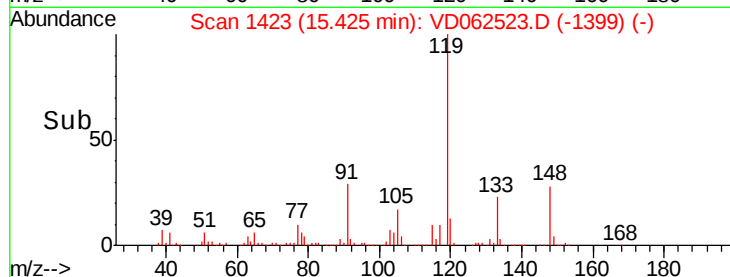
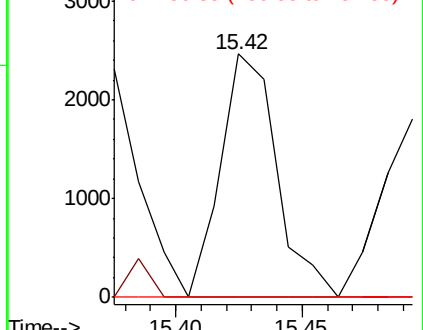
157 0.0 67.8 203.2#



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



#95

Naphthalene

Concen: 1230.328 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

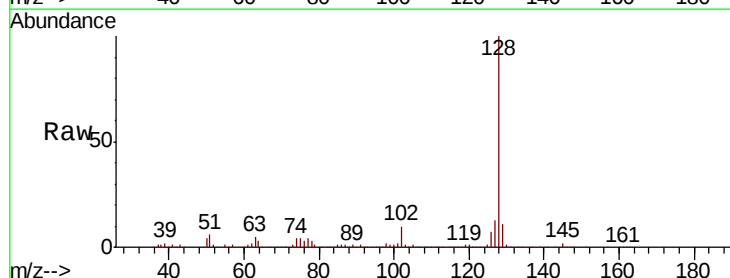
Tgt Ion:128 Resp: 881675

Ion Ratio Lower Upper

128 100

127 13.1 9.8 14.8

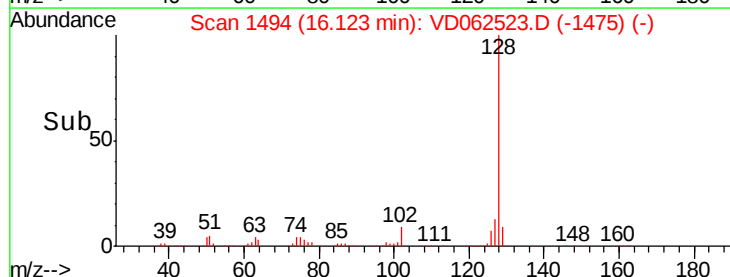
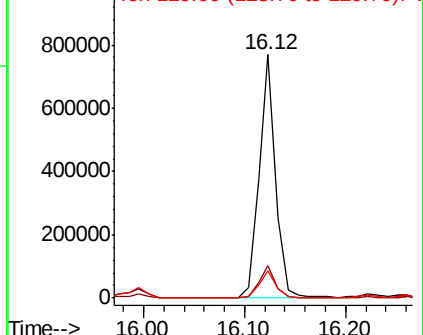
129 11.0 8.8 13.2

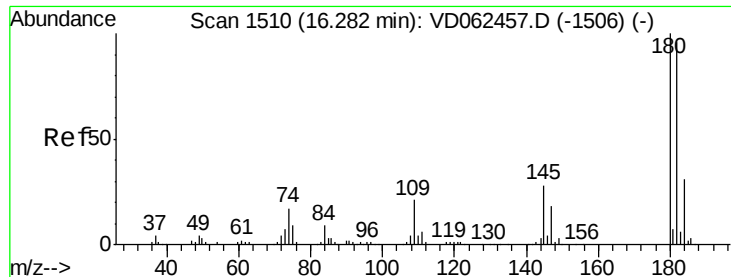


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.035 ug/l
 RT: 16.27 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 445
 Ion Ratio Lower Upper
 180 100
 182 72.5 47.0 141.0
 145 2073.0 17.0 51.0#

