

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063169.D
 Acq On : 22 Jul 2019 11:25
 Operator : VA/AP
 Sample : VD0722SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBL01

Quant Time: Jul 23 07:47:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	615319	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	887118	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	754407	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	441096	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	440794	57.51	ug/l	0.01
Spiked Amount			Recovery	=	115.02%	
35) Dibromofluoromethane	6.93	113	468728	53.05	ug/l	0.01
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	10.41	98	884150	46.58	ug/l	0.01
Spiked Amount			Recovery	=	93.16%	
62) 4-Bromofluorobenzene	13.56	95	414705	47.23	ug/l	0.01
Spiked Amount			Recovery	=	94.46%	

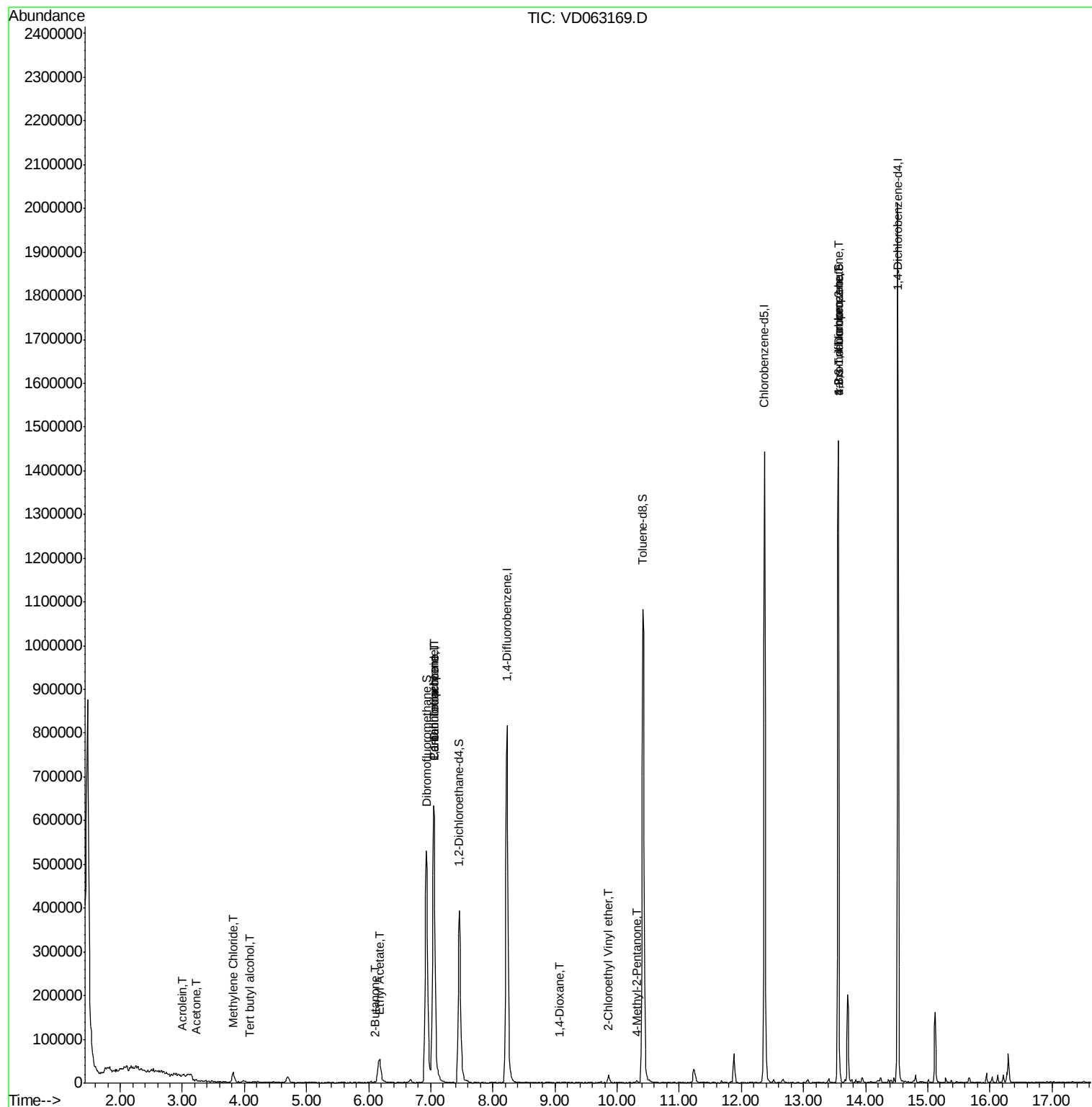
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	704	Below Cal	#	43
3) Chloromethane	1.75	50	1725	Below Cal	#	48
5) Bromomethane	2.17	94	5726	Below Cal	#	55
11) Tert butyl alcohol	4.08	59	1167	2.638	ug/l #	77
13) Acrolein	3.01	56	640	4.794	ug/l	88
16) Acetone	3.22	43	7844	4.237	ug/l #	62
18) Methyl Acetate	3.66	43	598	Below Cal	#	63
20) Methylene Chloride	3.83	84	13255	1.895	ug/l #	64
25) 2-Butanone	6.10	43	2609	1.476	ug/l #	61
36) 1,1-Dichloropropene	7.05	75	46493	4.660	ug/l #	47
37) Ethyl Acetate	6.18	43	5483	1.284	ug/l #	1
38) Carbon Tetrachloride	7.05	117	60917	4.018	ug/l #	14
49) 1,4-Dioxane	9.07	88	210	6.058	ug/l #	14
51) 4-Methyl-2-Pentanone	10.31	43	4289	1.057	ug/l #	83
58) 2-Chloroethyl Vinyl ether	9.86	63	8346	2.782	ug/l	93
76) 1,2,3-Trichloropropane	13.55	75	169797	25.024	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	192413	107.684	ug/l #	1

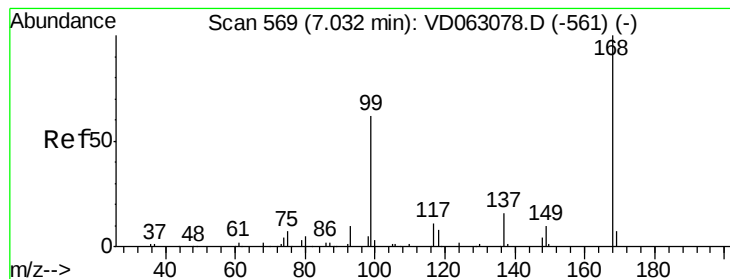
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

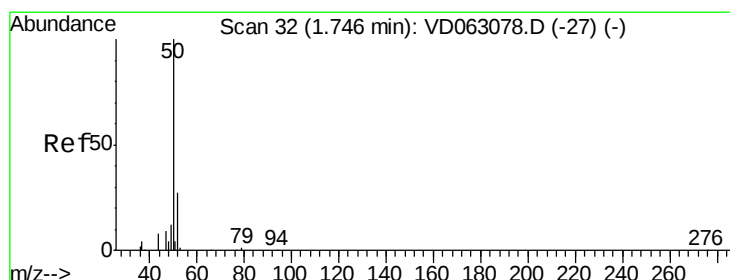
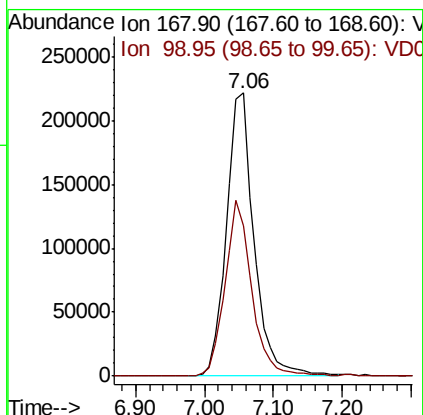
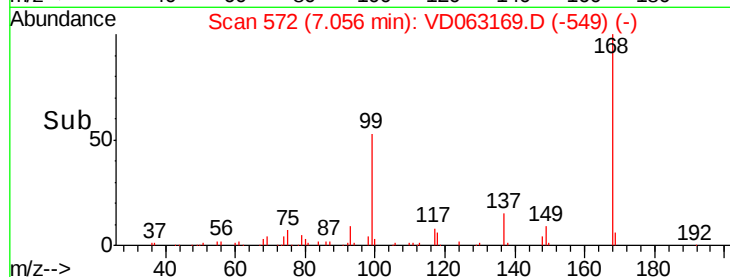
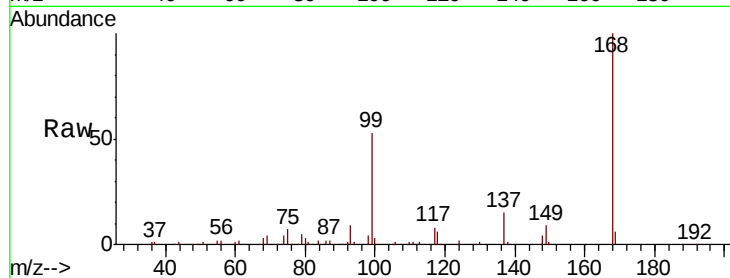
VD0722SBL01

Tot Ion:168 Resp: 615319

Ion Ratio Lower Upper

168 100

99 52.9 50.8 76.2



#3

Chloromethane

Concen: Below Cal

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063169.D

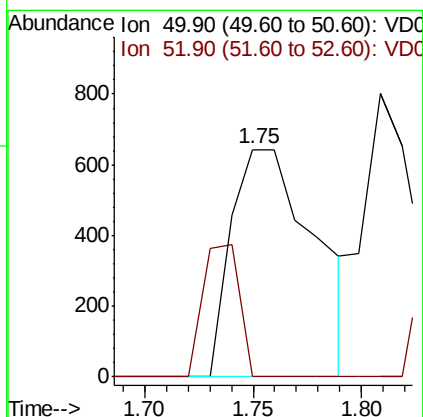
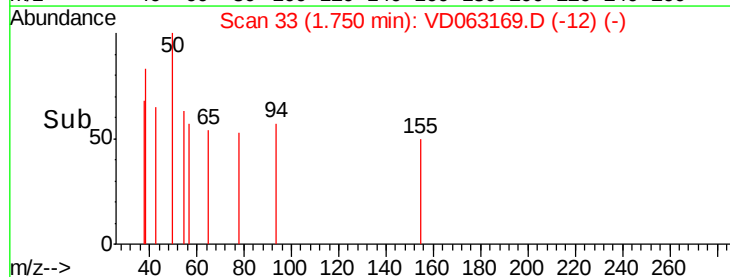
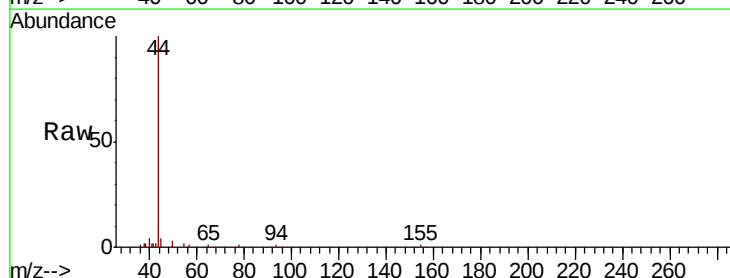
Acq: 22 Jul 2019 11:25

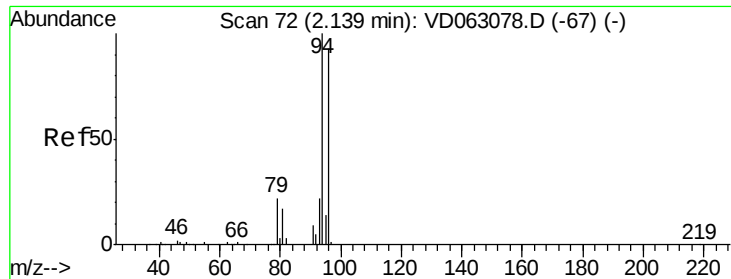
Tgt Ion: 50 Resp: 1725

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#





#5

Bromomethane

Concen: Below Cal

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBL01

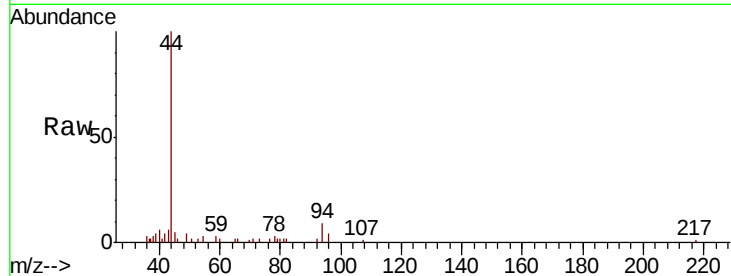
Tot Ion: 94 Resp: 5726

Ion Ratio Lower Upper

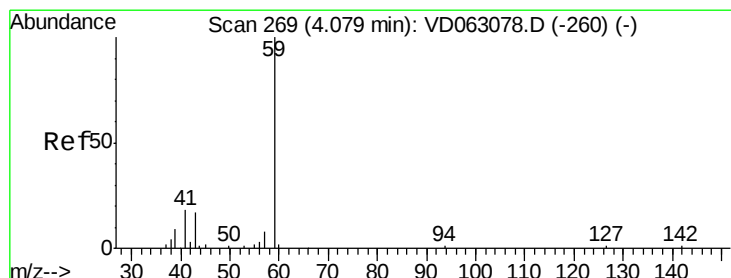
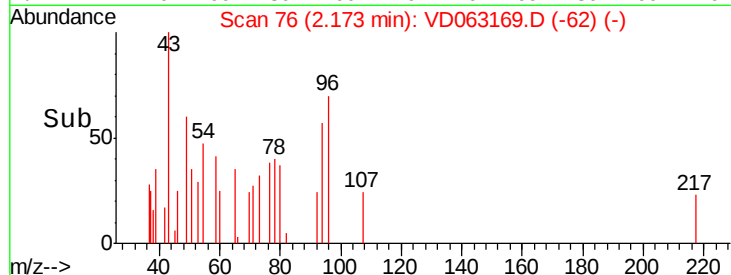
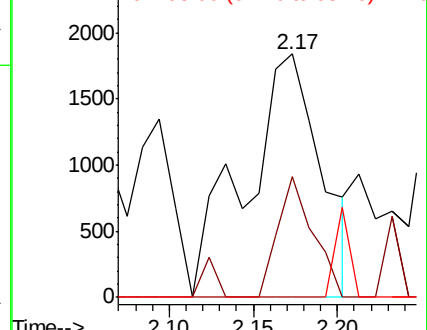
94 100

96 49.3 74.2 111.2#

93 0.0 17.8 26.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#11

Tert butyl alcohol

Concen: 2.638 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD063169.D

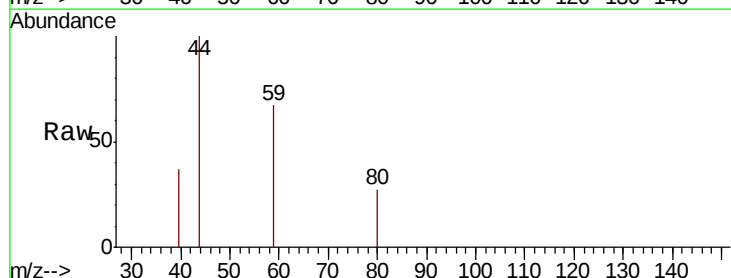
Acq: 22 Jul 2019 11:25

Tgt Ion: 59 Resp: 1167

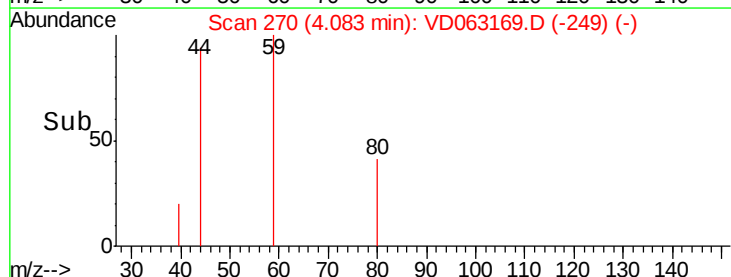
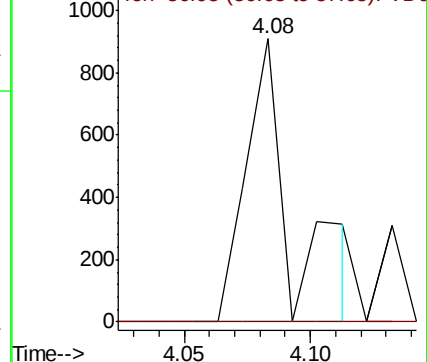
Ion Ratio Lower Upper

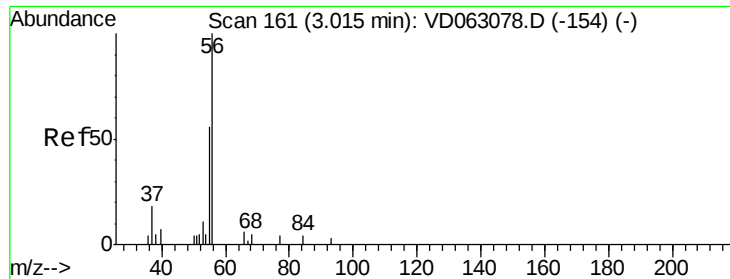
59 100

57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 4.794 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

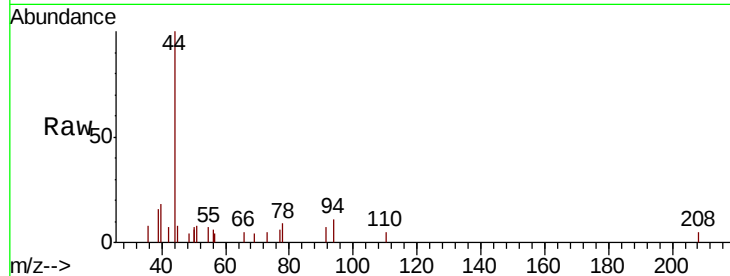
VD0722SBL01

Tot Ion: 56 Resp: 640

Ion Ratio Lower Upper

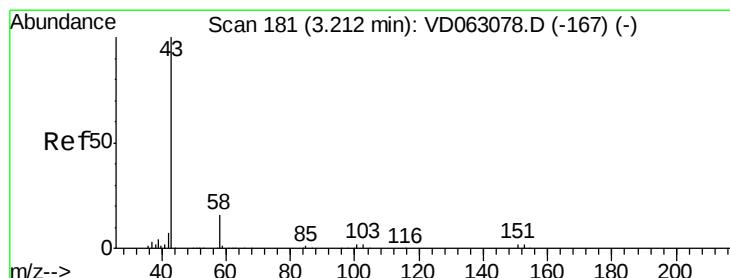
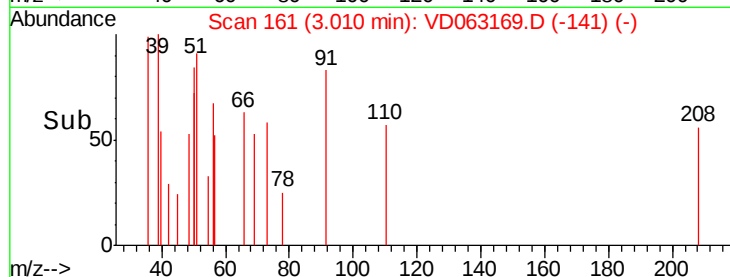
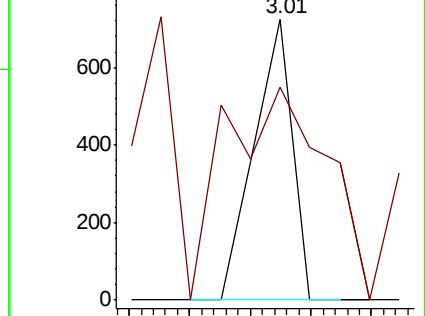
56 100

55 75.7 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 4.237 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063169.D

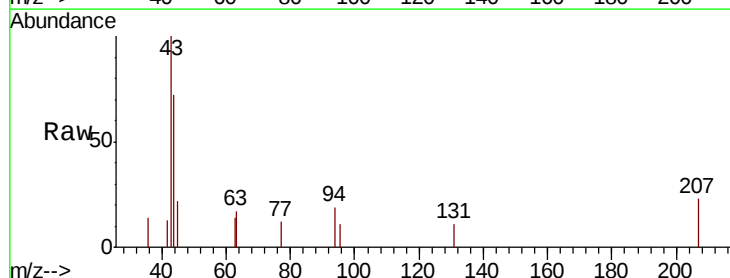
Acq: 22 Jul 2019 11:25

Tgt Ion: 43 Resp: 7844

Ion Ratio Lower Upper

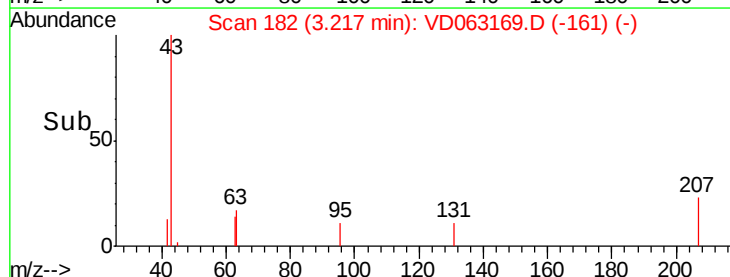
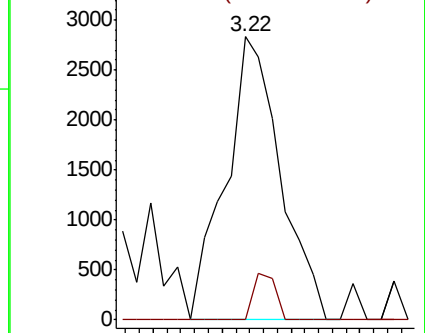
43 100

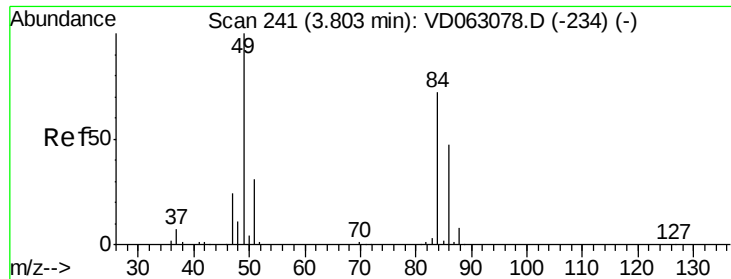
58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

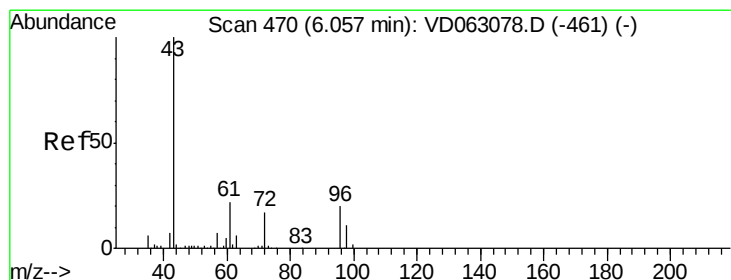
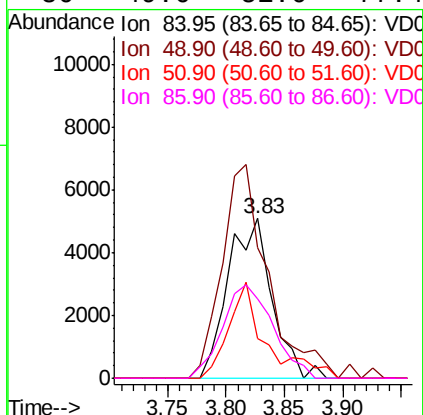
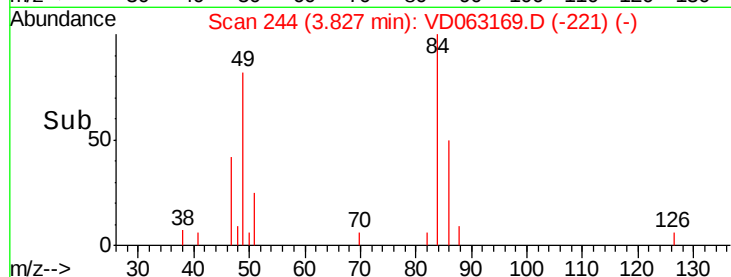
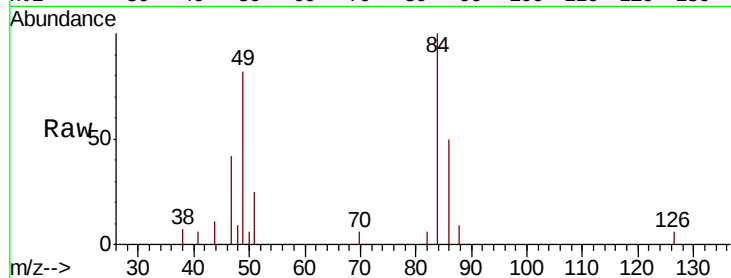




#20
Methvlene Chloride
Concen: 1.895 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

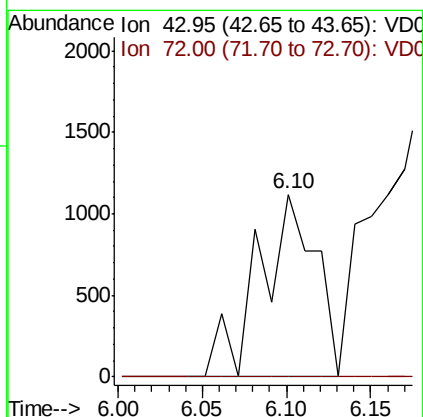
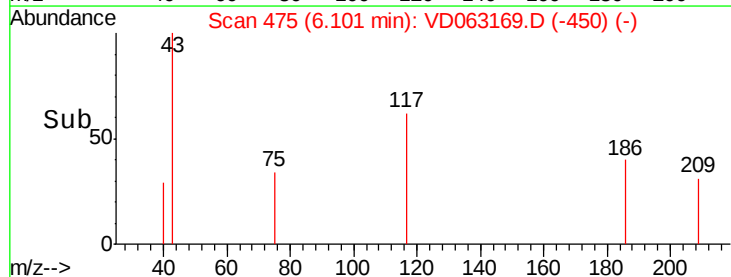
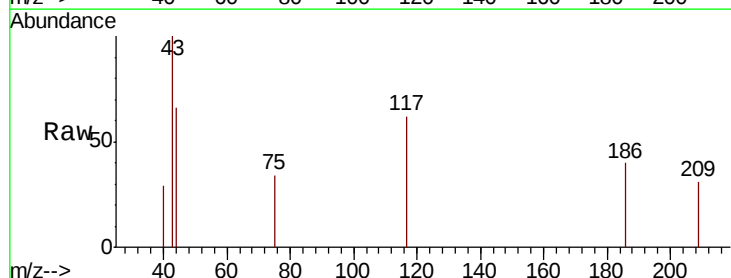
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBL01

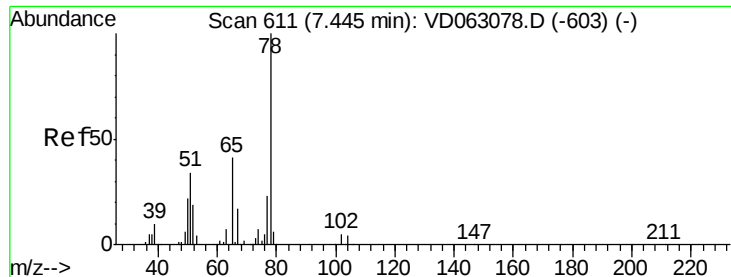
Tot Ion: 84 Resp: 13255
Ion Ratio Lower Upper
84 100
49 82.1 110.5 165.7#
51 24.5 34.6 51.8#
86 49.6 51.6 77.4#



#25
2-Butanone
Concen: 1.476 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.04 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

Tgt Ion: 43 Resp: 2609
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#

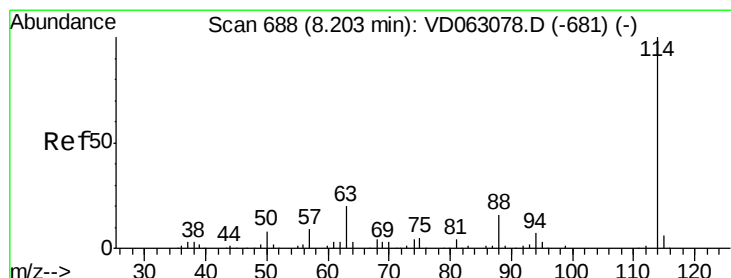
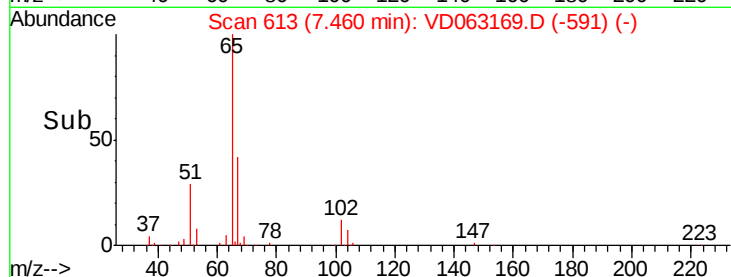
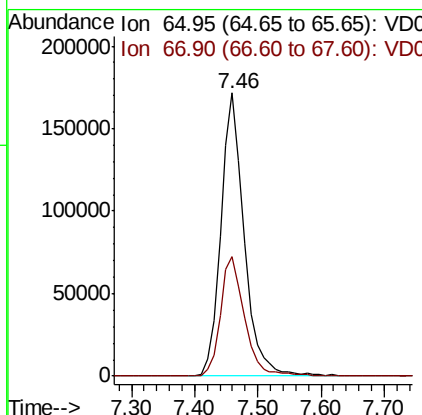
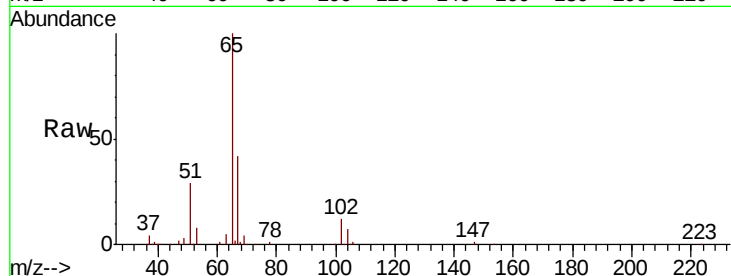




#33
 1,2-Dichloroethane-d4
 Concen: 57.508 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

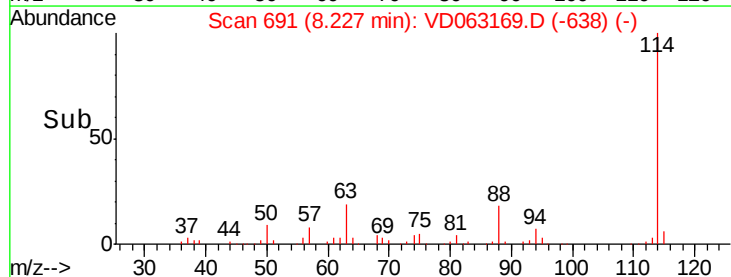
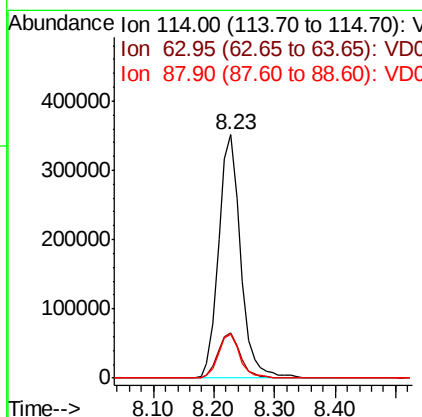
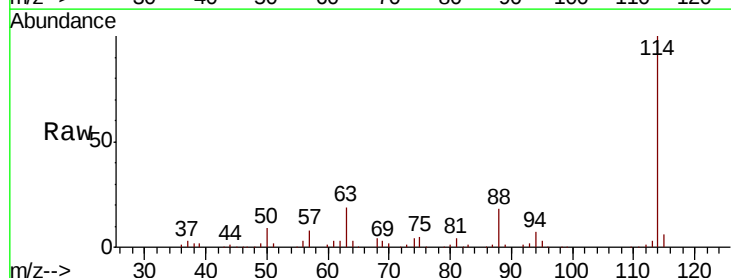
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBL01

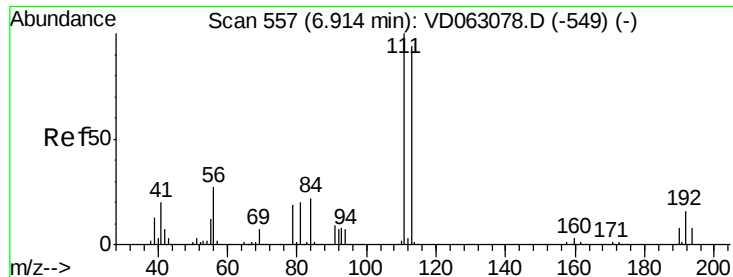
Tot Ion: 65 Resp: 440794
 Ion Ratio Lower Upper
 65 100
 67 42.4 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

Tgt Ion: 114 Resp: 887118
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.6
 88 18.0 0.0 32.6

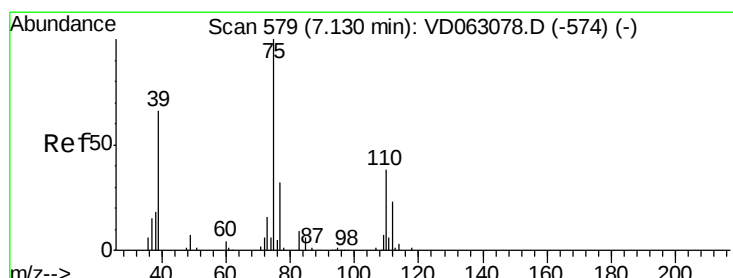
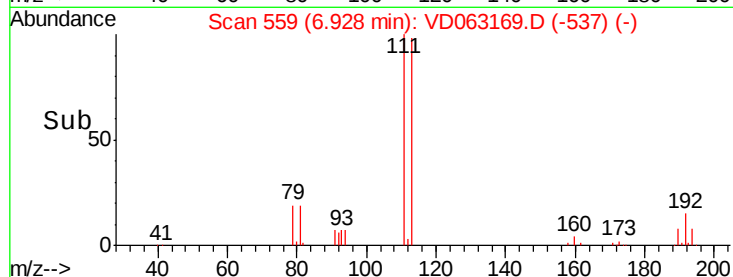
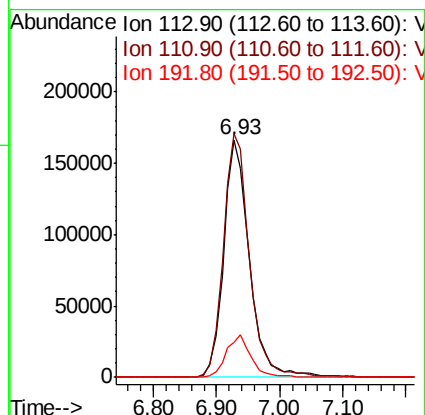
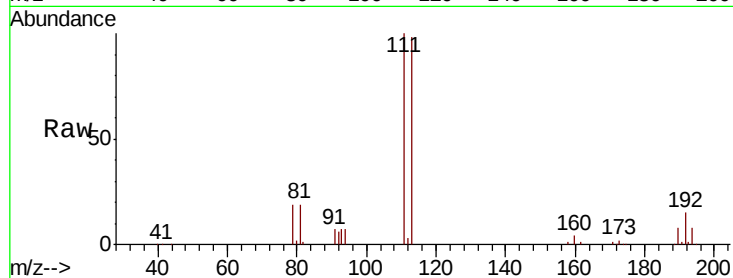




#35
 Dibromofluoromethane
 Concen: 53.048 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

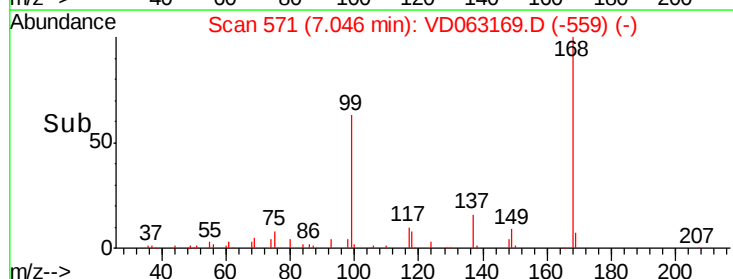
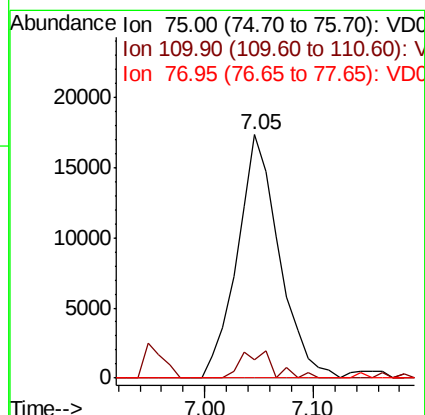
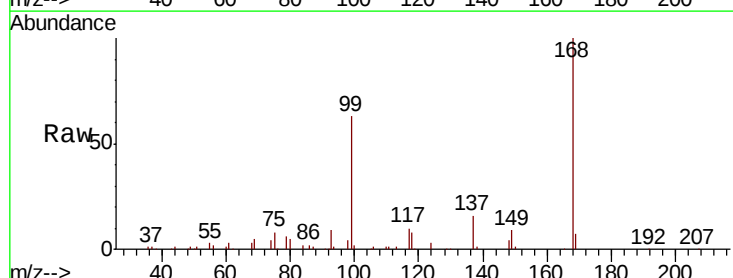
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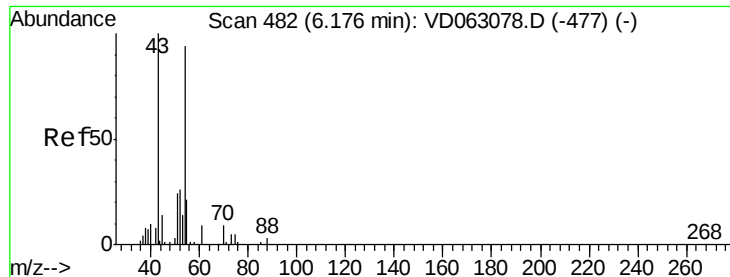
Tot Ion:113 Resp: 468728
 Ion Ratio Lower Upper
 113 100
 111 102.5 84.8 127.2
 192 14.9 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

Tgt Ion: 75 Resp: 46493
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.9 56.5#
 77 0.0 25.2 37.8#

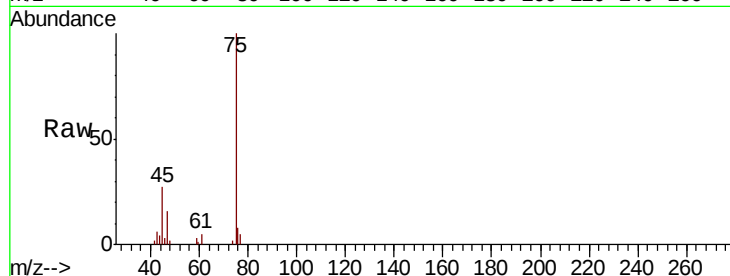




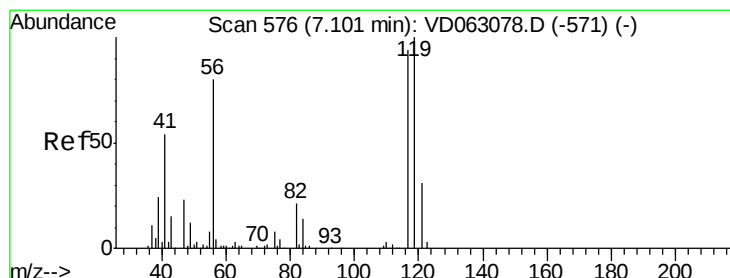
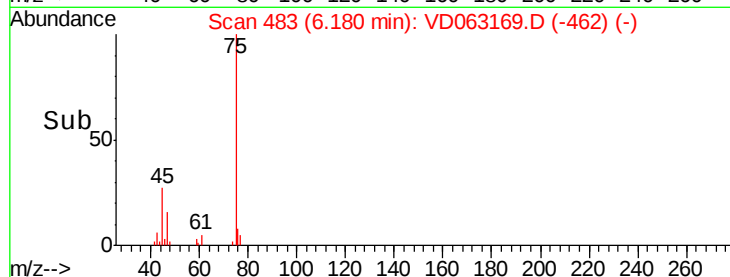
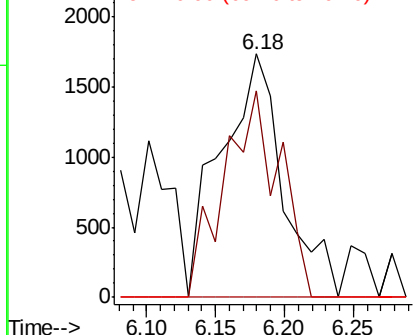
#37
Ethyl Acetate
Concen: 1.284 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBL01

Tot Ion: 43 Resp: 5483
Ion Ratio Lower Upper
43 100
61 85.0 10.6 16.0#
70 0.0 6.6 9.8#

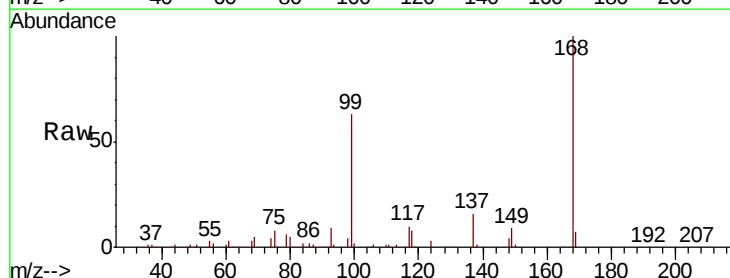


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

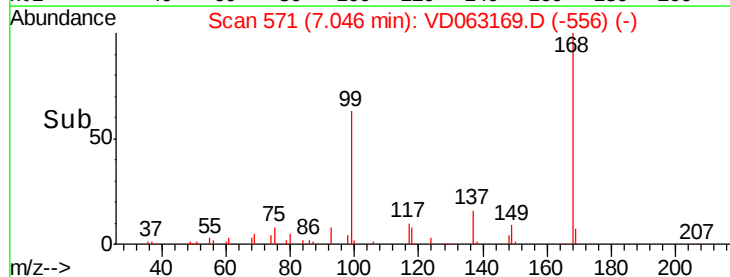
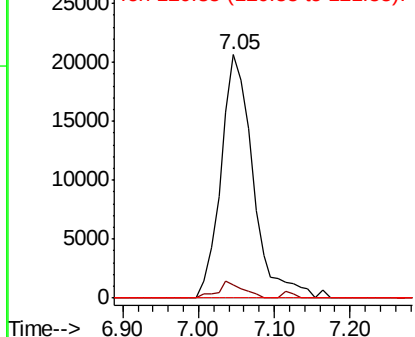


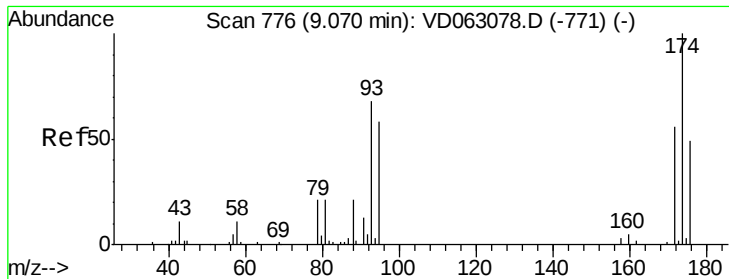
#38
Carbon Tetrachloride
Concen: 4.018 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

Tgt Ion: 117 Resp: 60917
Ion Ratio Lower Upper
117 100
119 5.2 80.0 120.0#
121 0.0 25.0 37.4#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

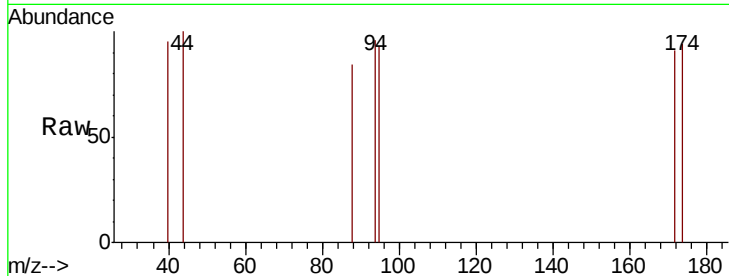




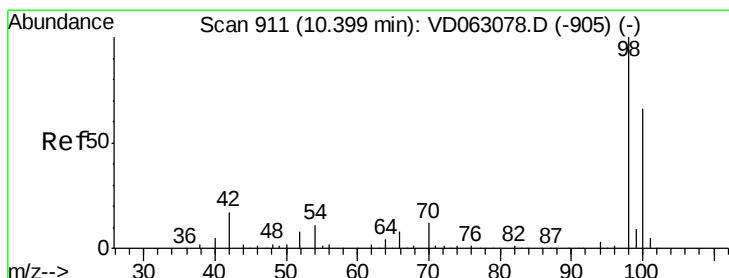
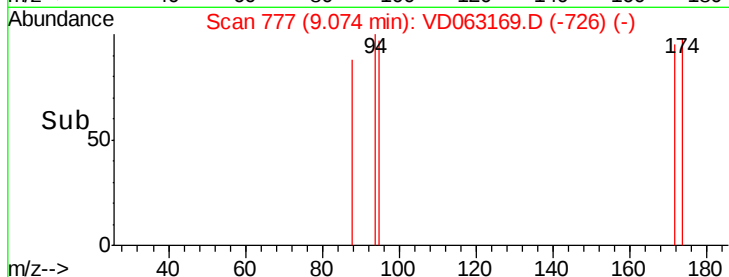
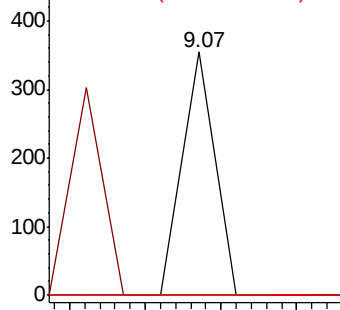
#49
1,4-Dioxane
Concen: 6.058 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBL01

Tot Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 118.6 40.2 60.4#
58 0.0 41.6 62.4#

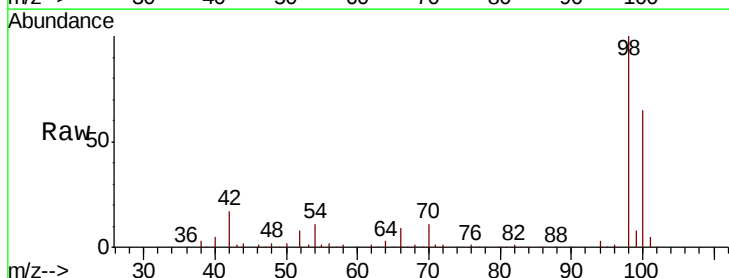


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

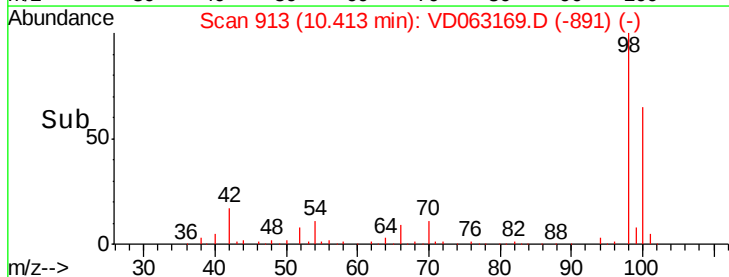
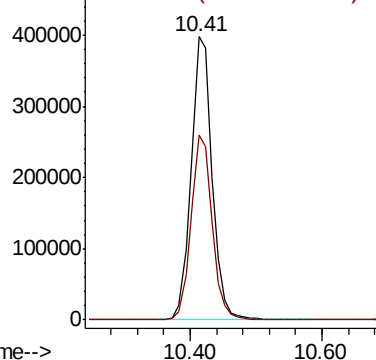


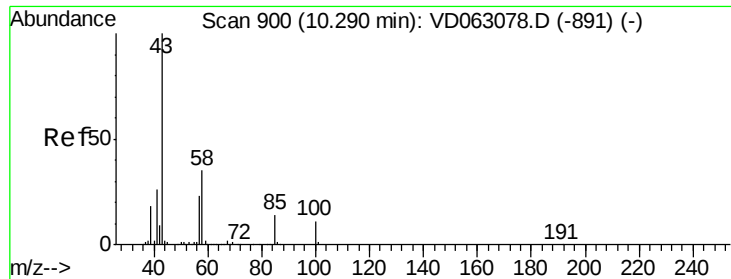
#50
Toluene-d8
Concen: 46.584 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

Tgt Ion: 98 Resp: 884150
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



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

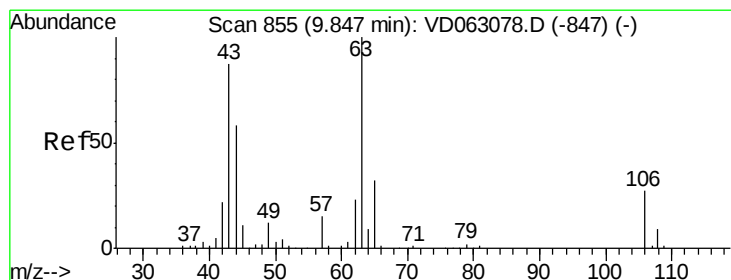
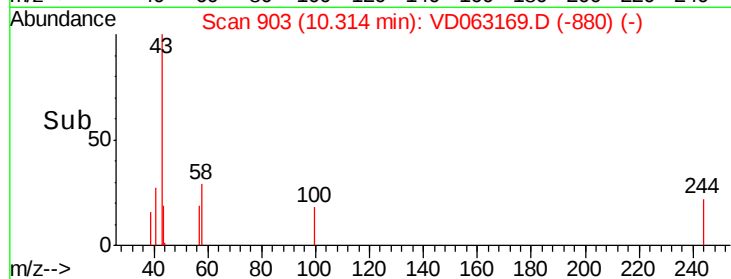
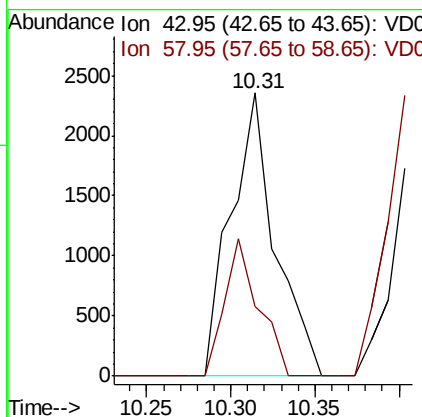
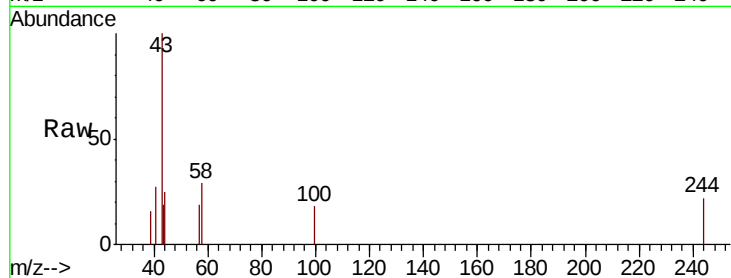




#51
 4-Methyl-2-Pentanone
 Concen: 1.057 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

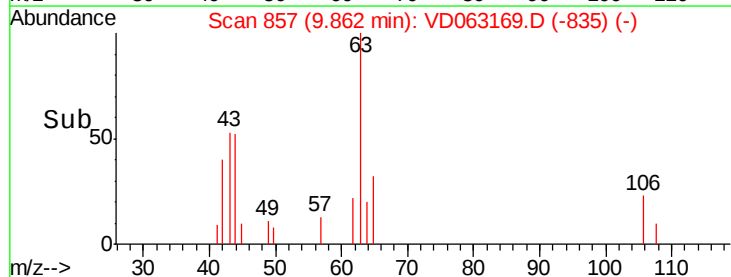
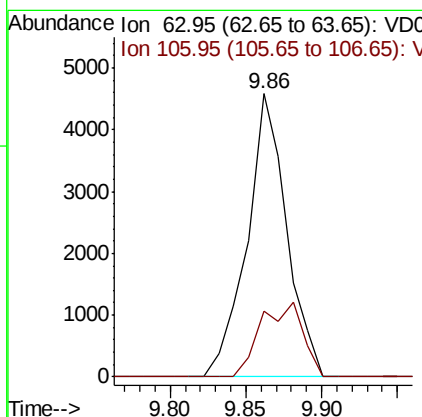
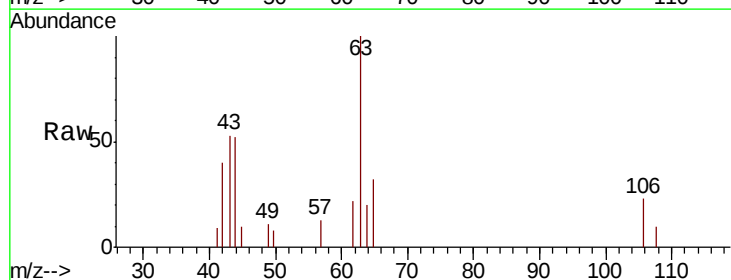
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0722SBL01

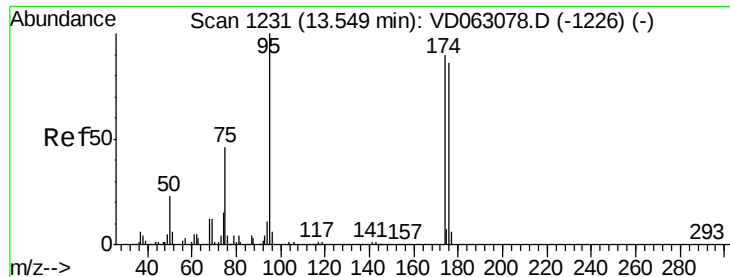
Tot Ion: 43 Resp: 4289
 Ion Ratio Lower Upper
 43 100
 58 24.8 27.8 41.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.782 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

Tgt Ion: 63 Resp: 8346
 Ion Ratio Lower Upper
 63 100
 106 23.1 21.3 31.9





#62

4-Bromofluorobenzene

Concen: 47.230 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBL01

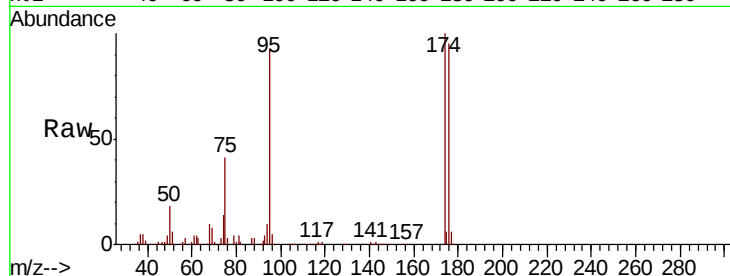
Tot Ion: 95 Resp: 414705

Ion Ratio Lower Upper

95 100

174 108.0 0.0 180.6

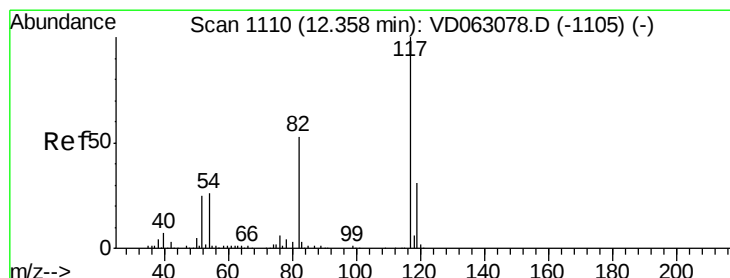
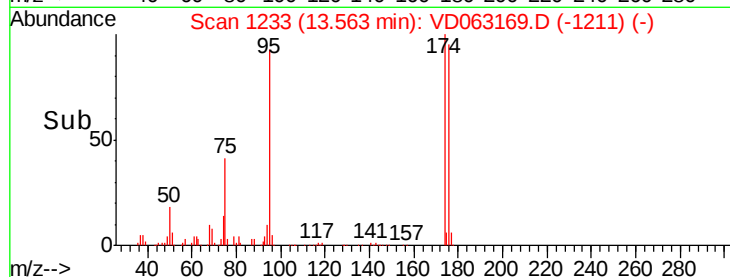
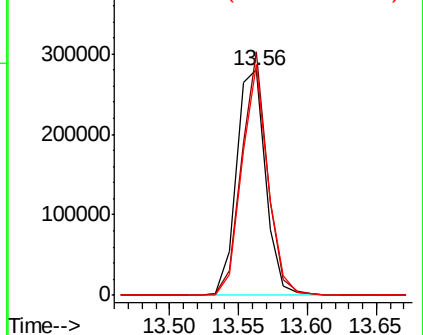
176 102.2 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

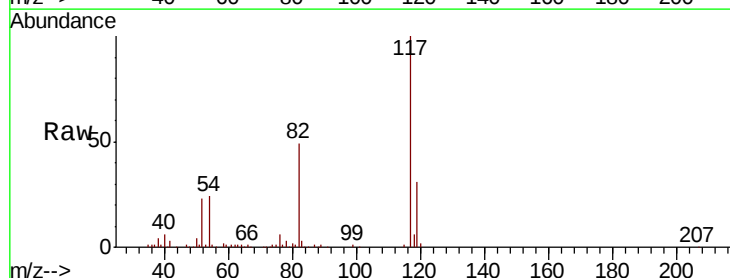
Tgt Ion: 117 Resp: 754407

Ion Ratio Lower Upper

117 100

82 49.5 42.3 63.5

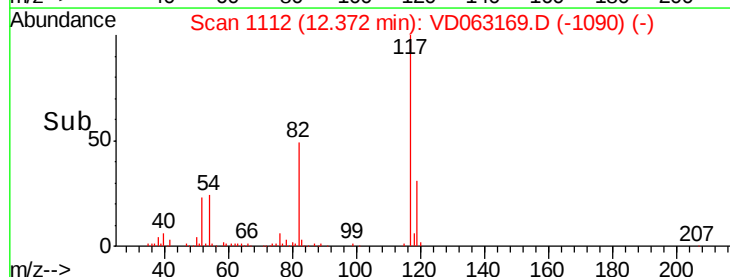
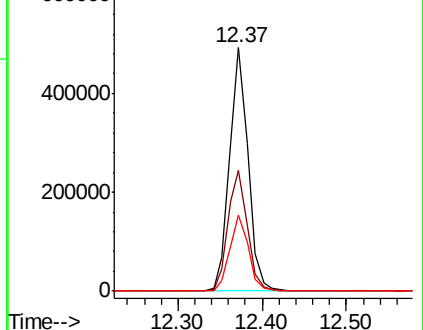
119 31.0 25.2 37.8

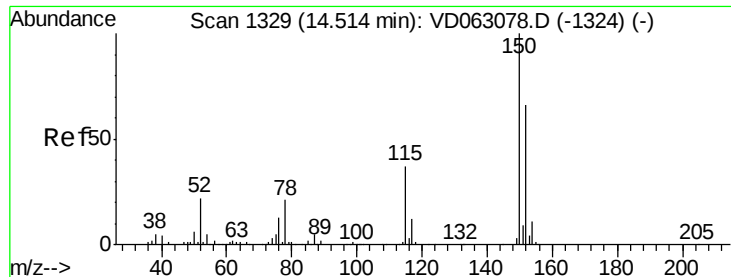


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBL01

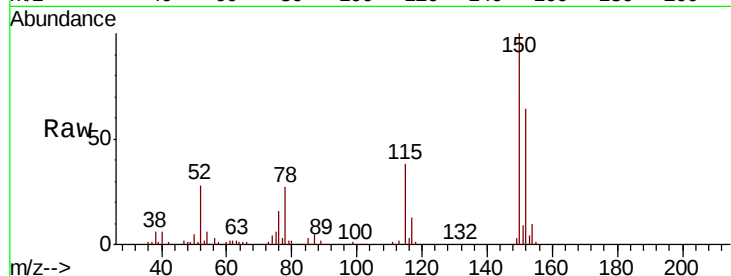
Tot Ion:152 Resp: 441096

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.8

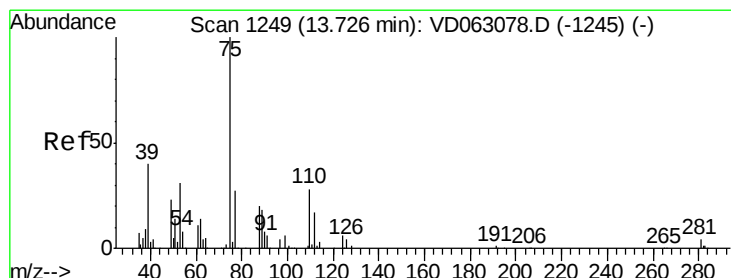
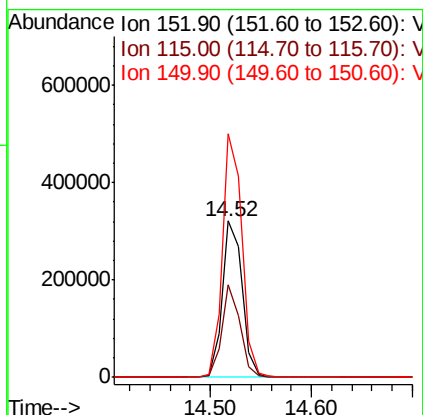
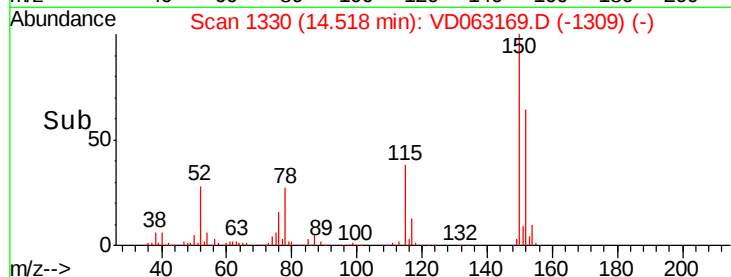
150 155.8 0.0 313.8



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



#76

1,2,3-Trichloropropane

Concen: 25.024 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063169.D

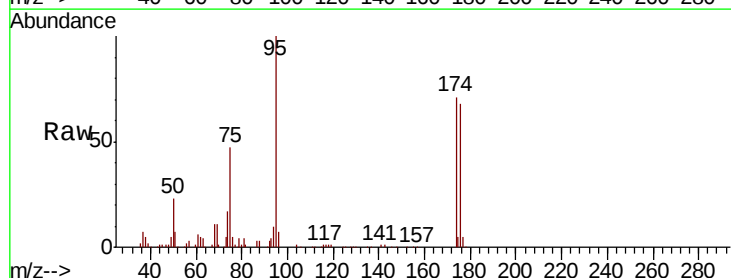
Acq: 22 Jul 2019 11:25

Tgt Ion: 75 Resp: 169797

Ion Ratio Lower Upper

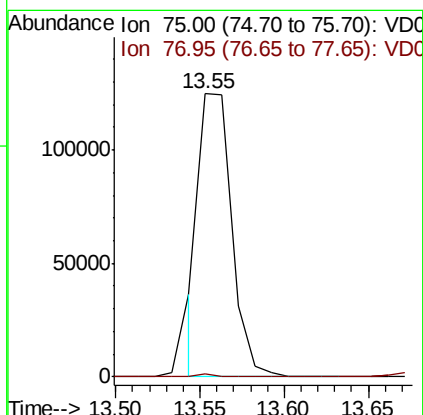
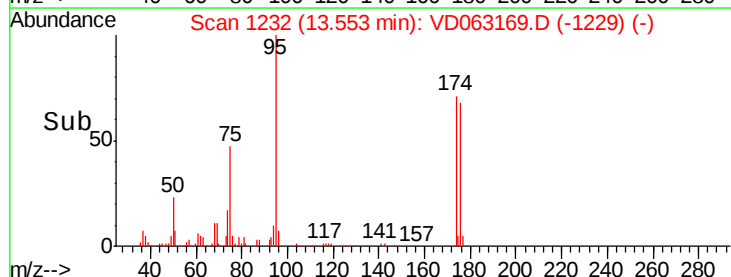
75 100

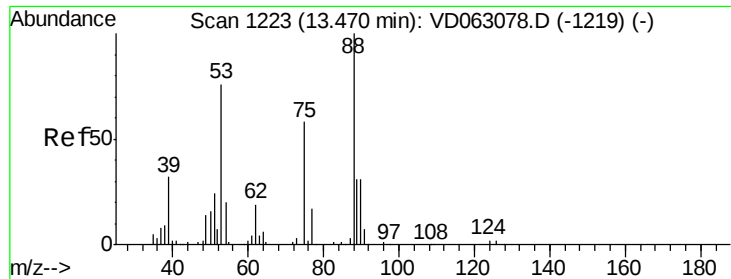
77 1.2 16.3 48.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 107.684 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBL01

Tot Ion: 75 Resp: 192413

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

