

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063187.D
 Acq On : 22 Jul 2019 19:56
 Operator : VA/AP
 Sample : K3622-11RE
 Misc : 7.06g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-B

Quant Time: Jul 23 07:51:44 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	922651	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1307027	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1082699	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	484035	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	573635	49.91	ug/l	0.01
Spiked Amount			Recovery	=	99.82%	
35) Dibromofluoromethane	6.94	113	642439	49.35	ug/l	0.02
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	10.42	98	1330134	47.57	ug/l	0.02
Spiked Amount			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	13.56	95	513125	39.66	ug/l	0.01
Spiked Amount			Recovery	=	79.32%	

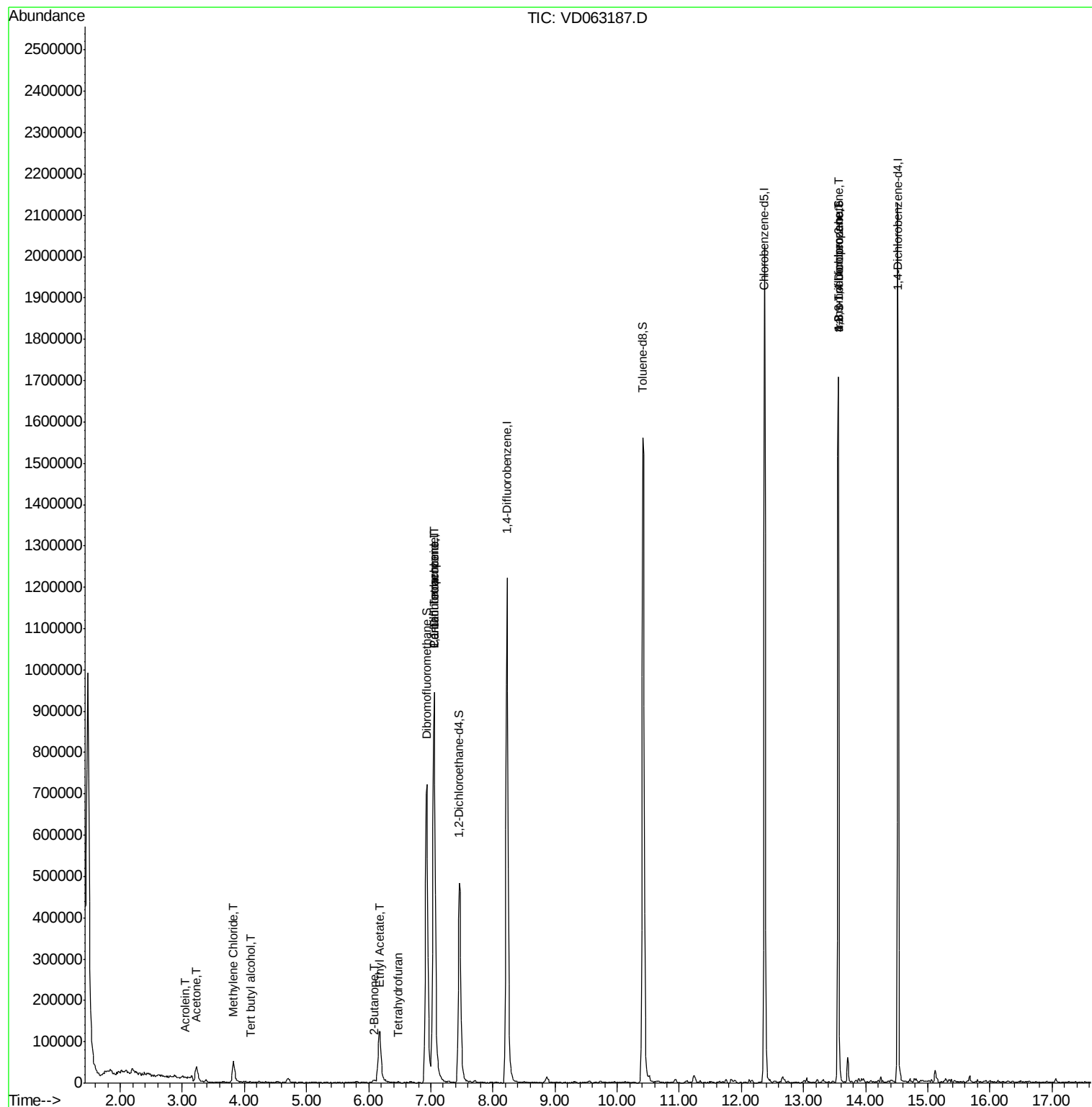
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	579	Below Cal	#	43
3) Chloromethane	1.77	50	1133	Below Cal	#	48
5) Bromomethane	2.14	94	1145	Below Cal	#	13
11) Tert butyl alcohol	4.09	59	1745	2.631	ug/l #	77
13) Acrolein	3.04	56	493	2.463	ug/l #	17
16) Acetone	3.23	43	76939	27.716	ug/l	94
18) Methyl Acetate	3.65	43	1835	Below Cal	#	63
20) Methylene Chloride	3.82	84	29559	2.818	ug/l #	82
25) 2-Butanone	6.09	43	10170	3.837	ug/l #	83
29) Tetrahydrofuran	6.48	42	1546	1.287	ug/l #	56
36) 1,1-Dichloropropene	7.05	75	69723	4.743	ug/l #	45
37) Ethyl Acetate	6.18	43	11005	1.749	ug/l #	12
38) Carbon Tetrachloride	7.06	117	92522	4.142	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	207589	27.880	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	229804	117.201	ug/l #	1

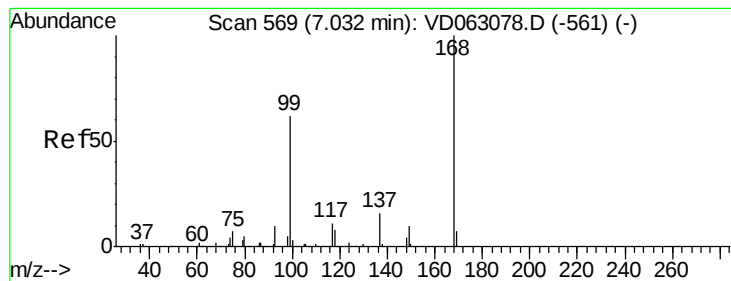
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063187.D
Acq On : 22 Jul 2019 19:56
Operator : VA/AP
Sample : K3622-11RE
Misc : 7.06g/5ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-B

Quant Time: Jul 23 07:51:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063187.D

Acq: 22 Jul 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

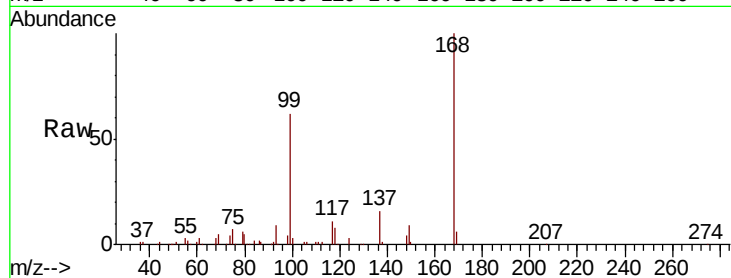
OR-02-071919-B

Tot Ion:168 Resp: 922651

Ion Ratio Lower Upper

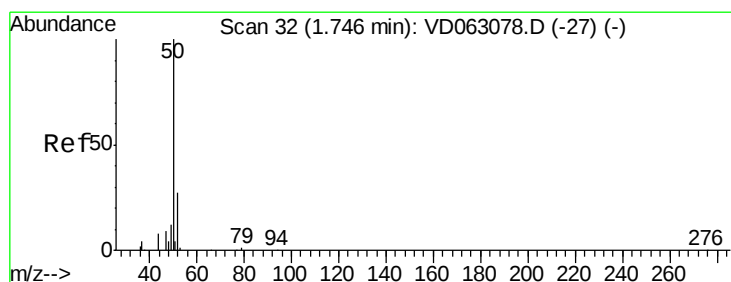
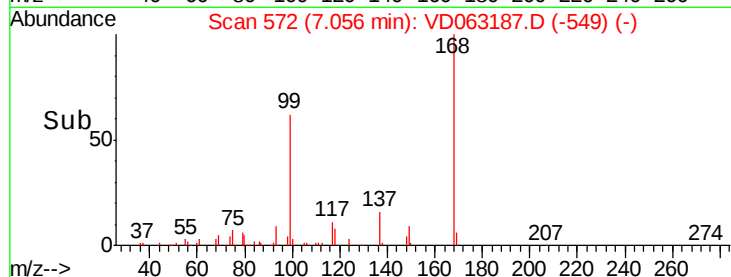
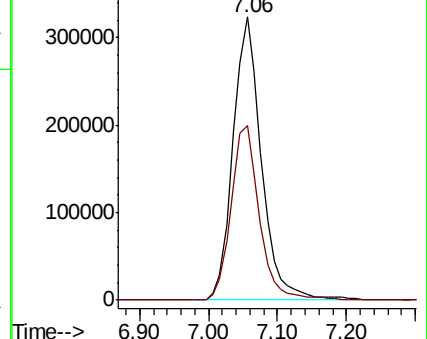
168 100

99 61.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD063187.D

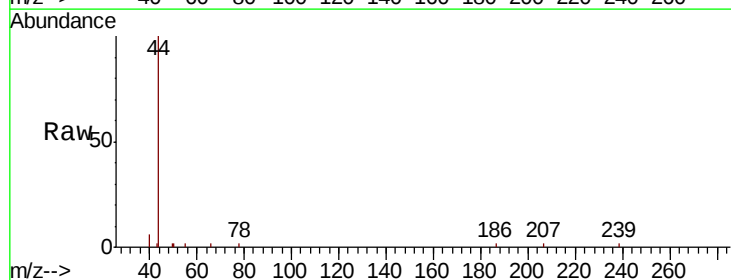
Acq: 22 Jul 2019 19:56

Tgt Ion: 50 Resp: 1133

Ion Ratio Lower Upper

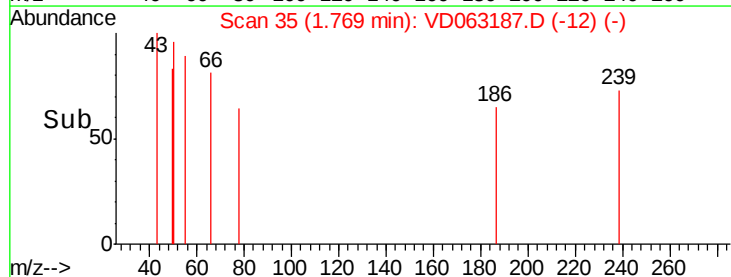
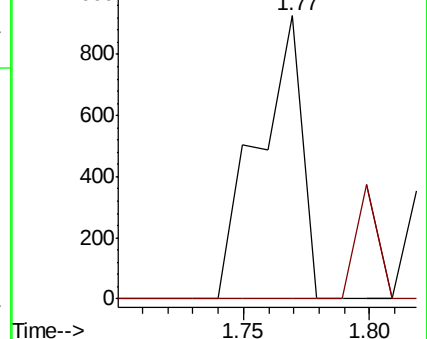
50 100

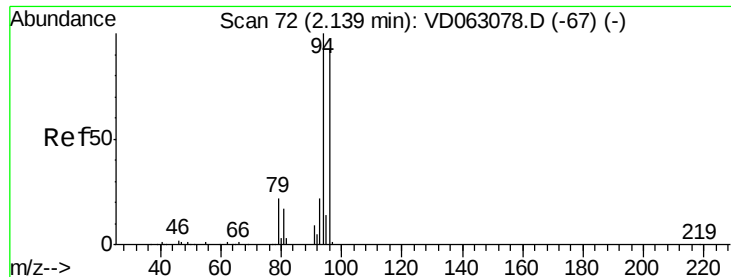
52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063187.D

Acq: 22 Jul 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-B

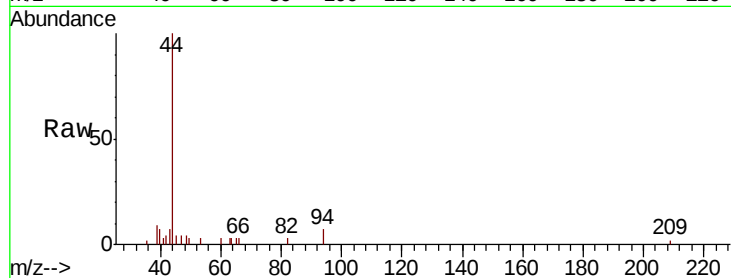
Tot Ion: 94 Resp: 1145

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

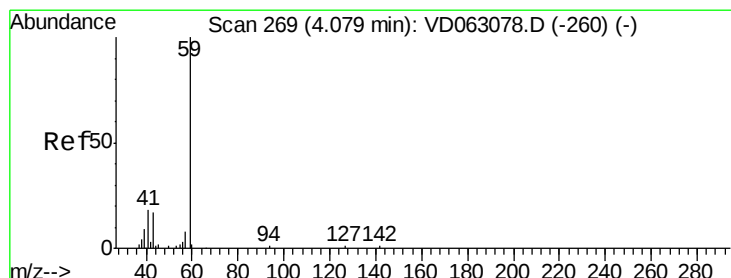
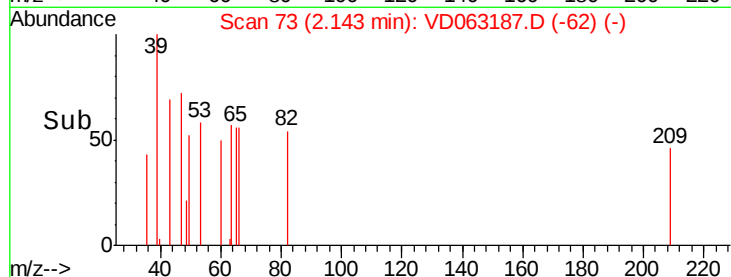
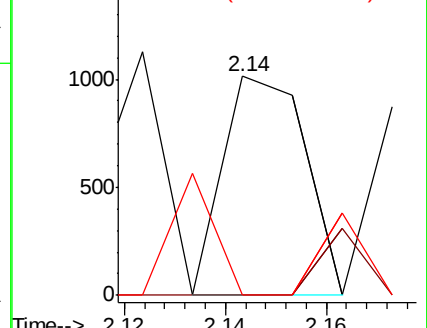
93 0.0 17.8 26.6#



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: 2.631 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD063187.D

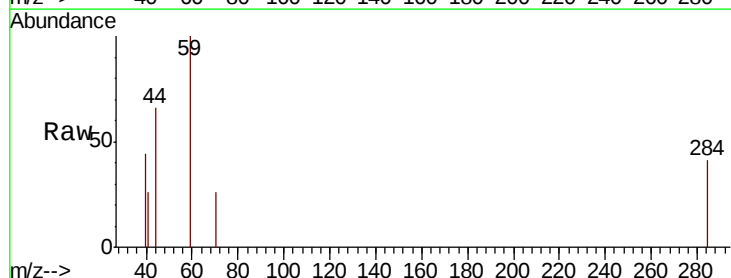
Acq: 22 Jul 2019 19:56

Tgt Ion: 59 Resp: 1745

Ion Ratio Lower Upper

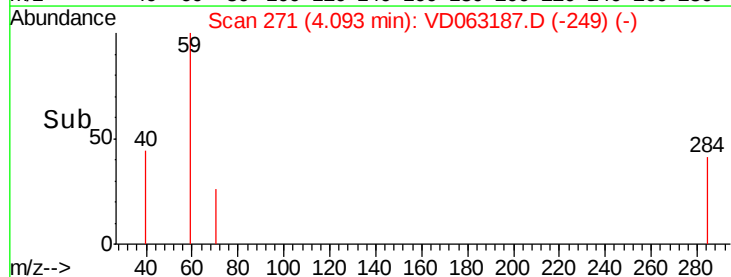
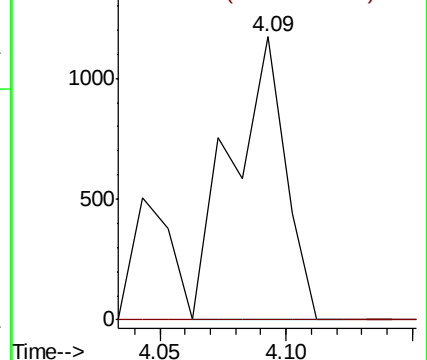
59 100

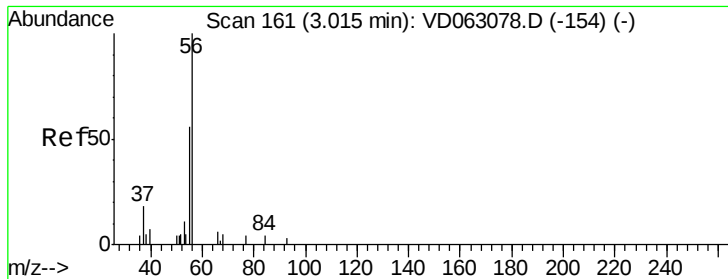
57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 2.463 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD063187.D

Acq: 22 Jul 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

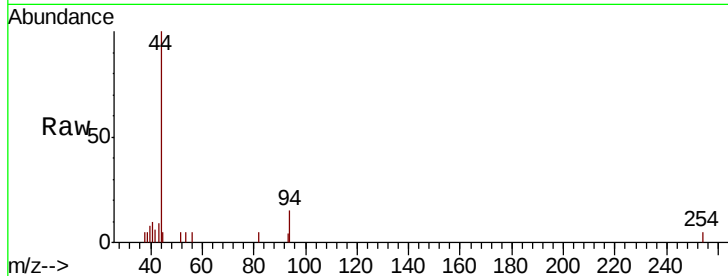
OR-02-071919-B

Tot Ion: 56 Resp: 493

Ion Ratio Lower Upper

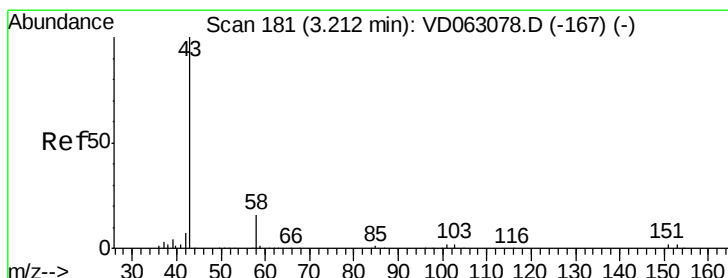
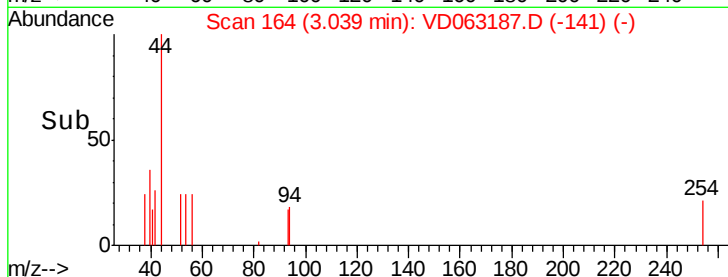
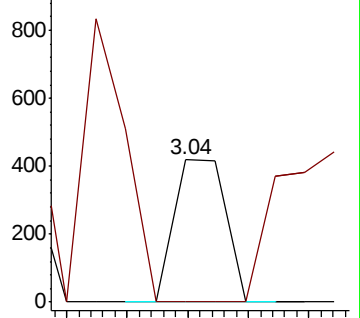
56 100

55 0.0 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: 27.716 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063187.D

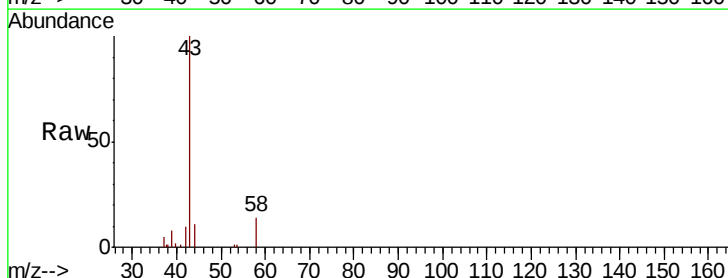
Acq: 22 Jul 2019 19:56

Tgt Ion: 43 Resp: 76939

Ion Ratio Lower Upper

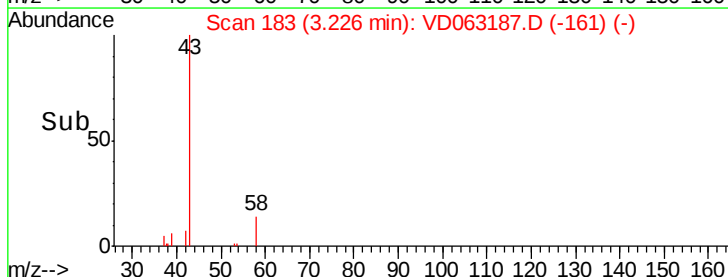
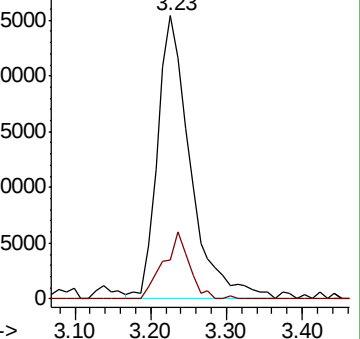
43 100

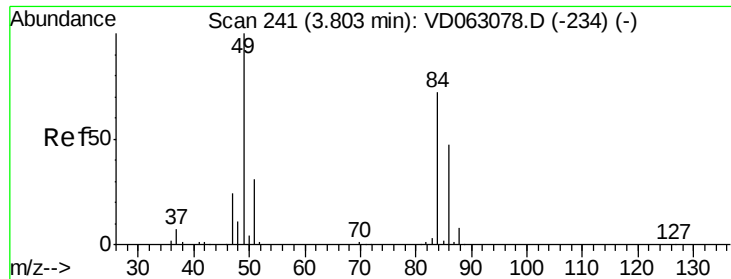
58 13.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

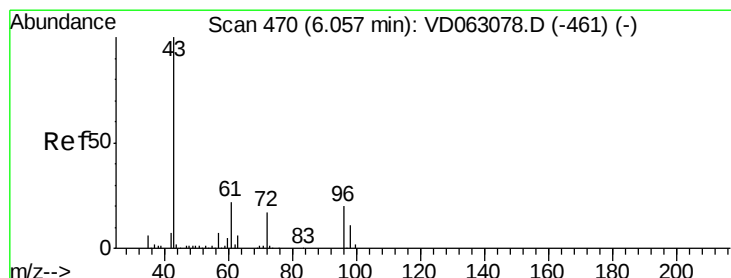
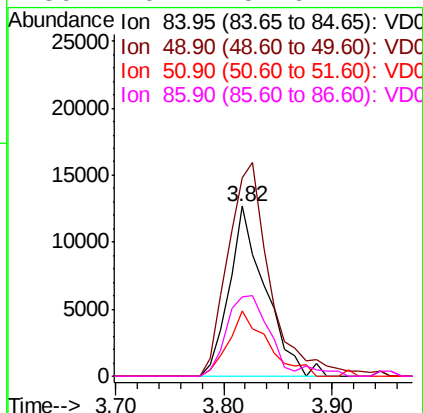
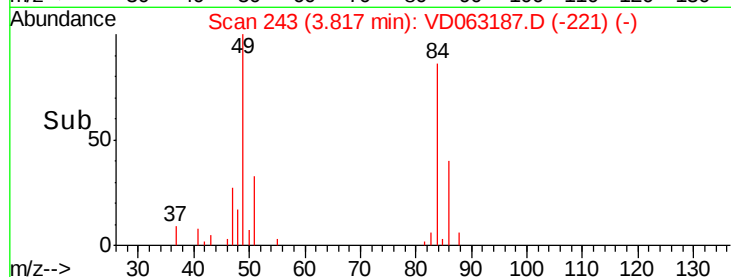
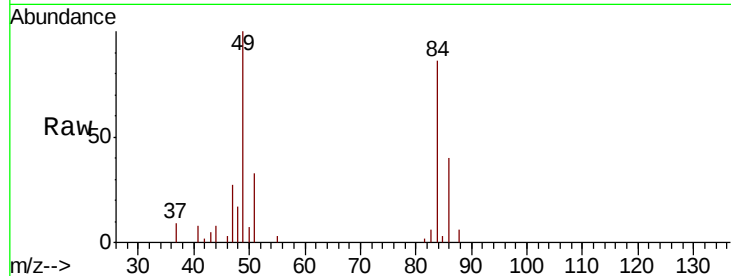




#20
Methylene Chloride
Concen: 2.818 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD063187.D
Acq: 22 Jul 2019 19:56

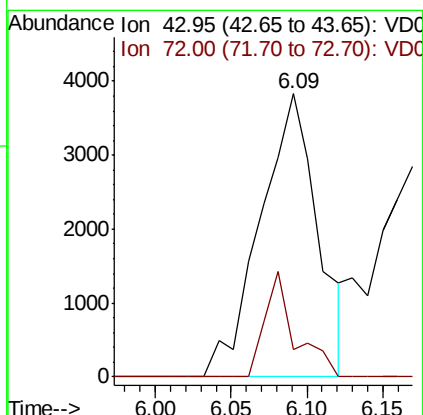
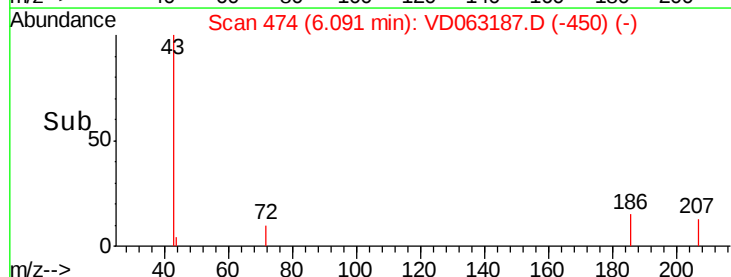
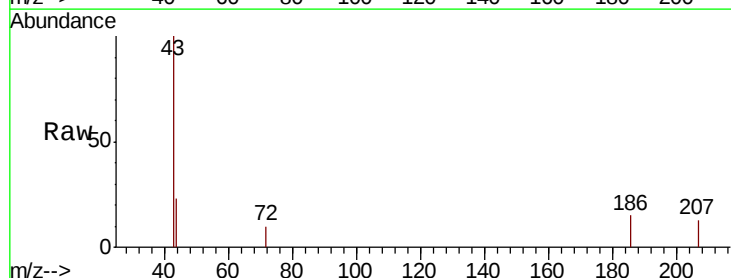
Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-B

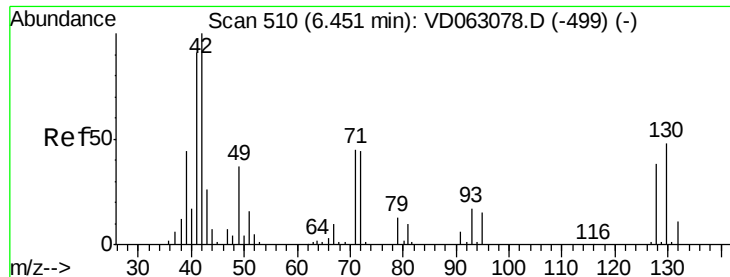
Tot Ion: 84 Resp: 29559
Ion Ratio Lower Upper
84 100
49 116.3 110.5 165.7
51 38.3 34.6 51.8
86 46.4 51.6 77.4#



#25
2-Butanone
Concen: 3.837 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD063187.D
Acq: 22 Jul 2019 19:56

Tgt Ion: 43 Resp: 10170
Ion Ratio Lower Upper
43 100
72 9.6 13.4 20.0#





#29

Tetrahydrofuran

Concen: 1.287 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.03 min

Lab File: VD063187.D

Acq: 22 Jul 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-B

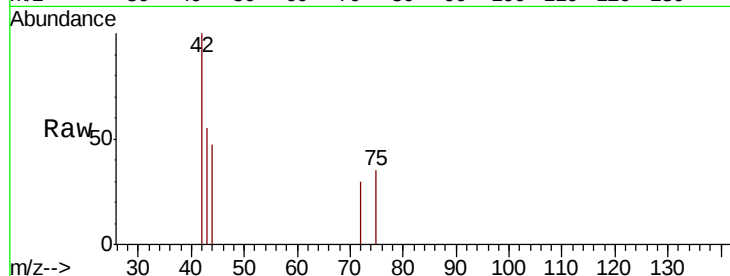
Tot Ion: 42 Resp: 1546

Ion Ratio Lower Upper

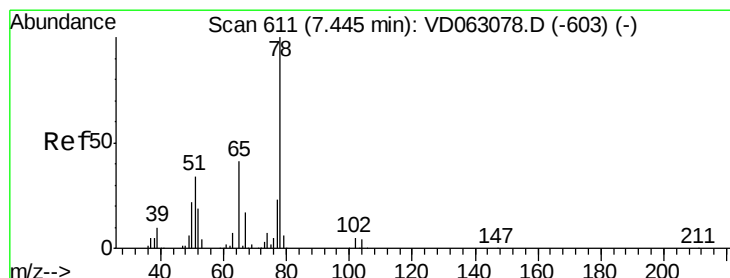
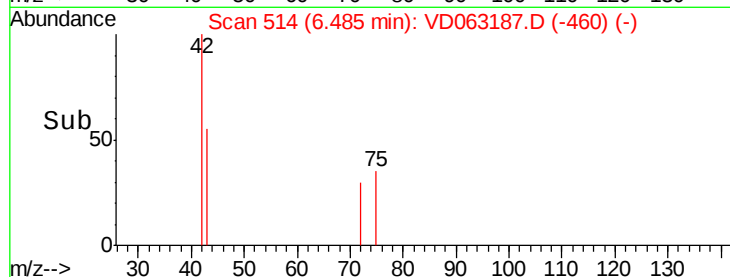
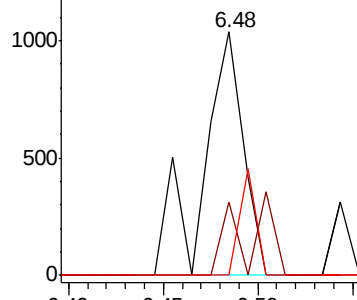
42 100

72 12.0 33.7 50.5#

71 17.5 34.2 51.2#



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



#33

1,2-Dichloroethane-d4

Concen: 49.910 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063187.D

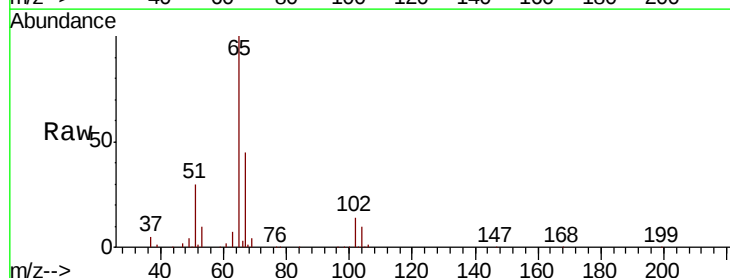
Acq: 22 Jul 2019 19:56

Tgt Ion: 65 Resp: 573635

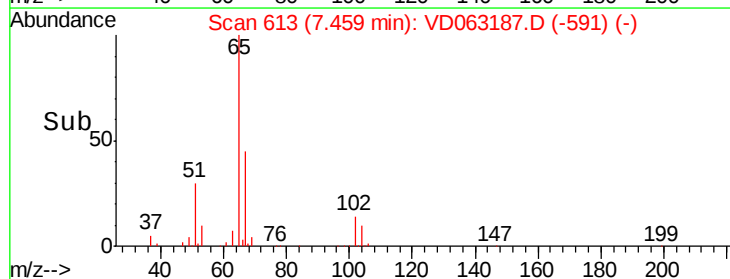
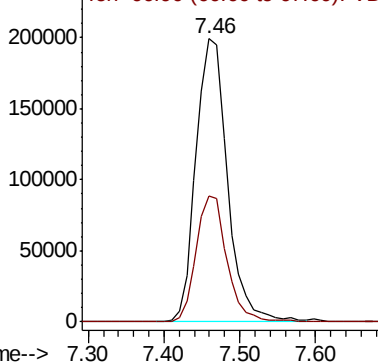
Ion Ratio Lower Upper

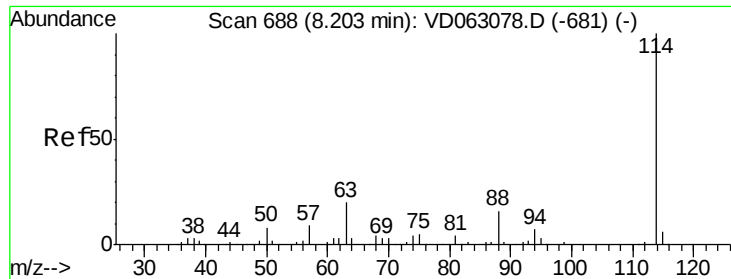
65 100

67 44.6 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



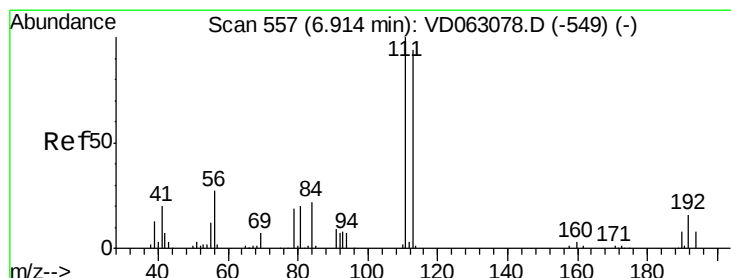
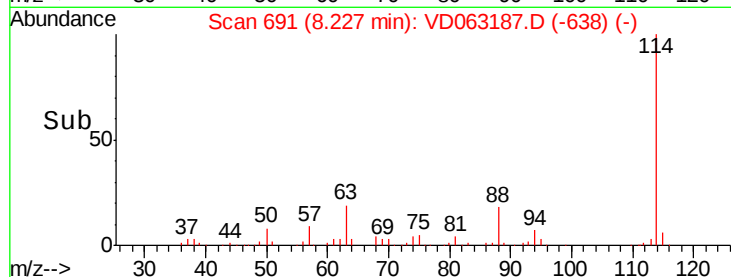
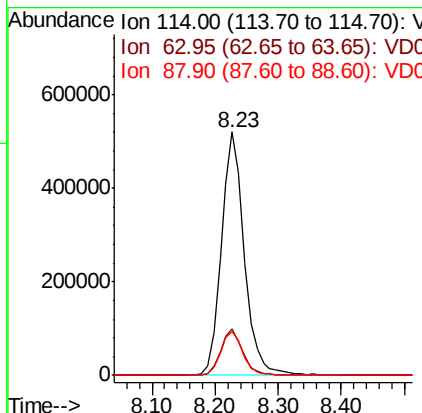
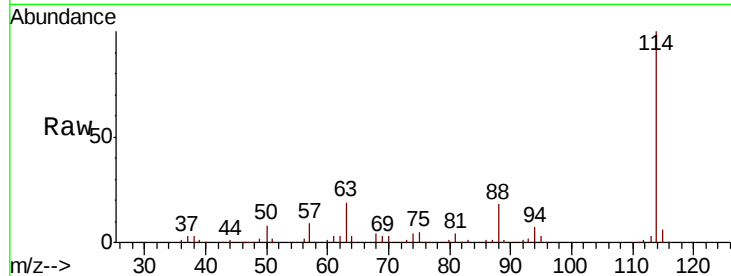


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063187.D
 Acq: 22 Jul 2019 19:56

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-B

Tot Ion:114 Resp: 1307027

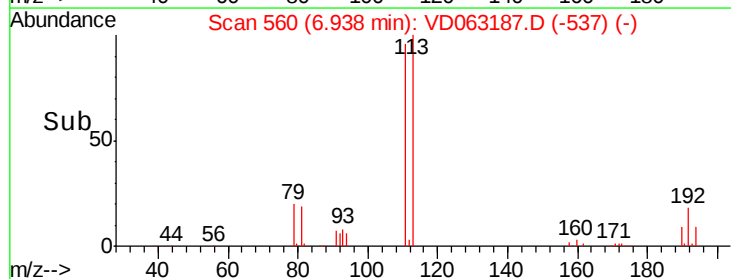
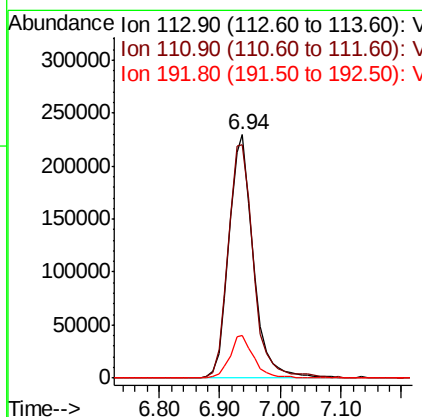
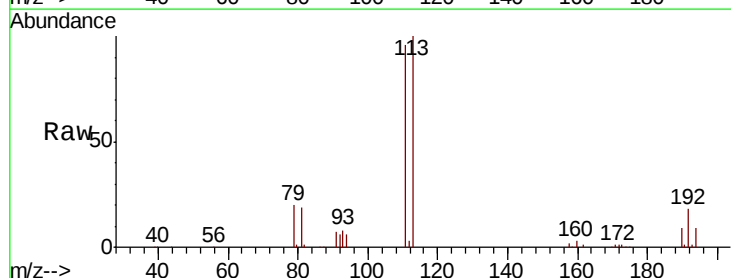
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.6
88	18.2	0.0	32.6

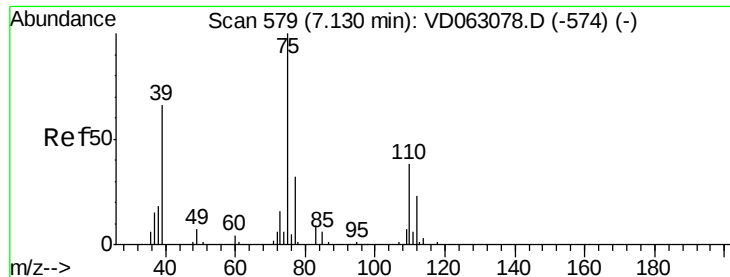


#35
 Dibromofluoromethane
 Concen: 49.349 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD063187.D
 Acq: 22 Jul 2019 19:56

Tgt Ion:113 Resp: 642439

Ion	Ratio	Lower	Upper
113	100		
111	95.8	84.8	127.2
192	17.6	13.4	20.0

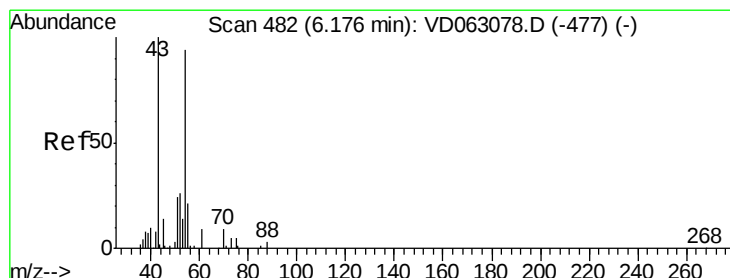
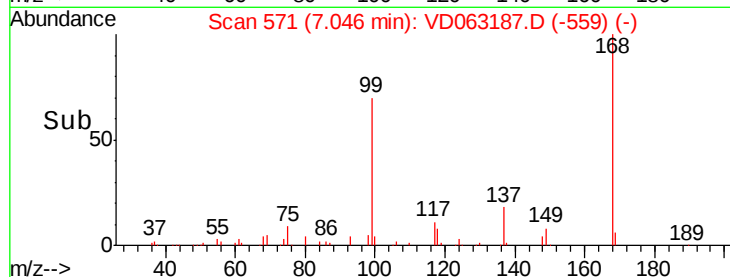
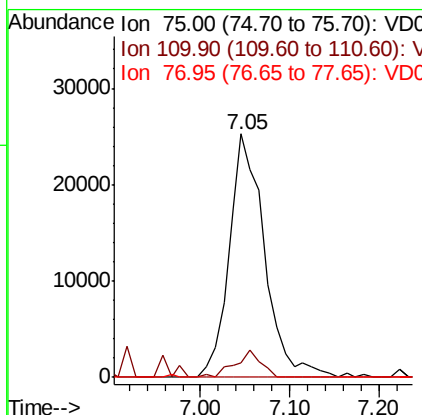
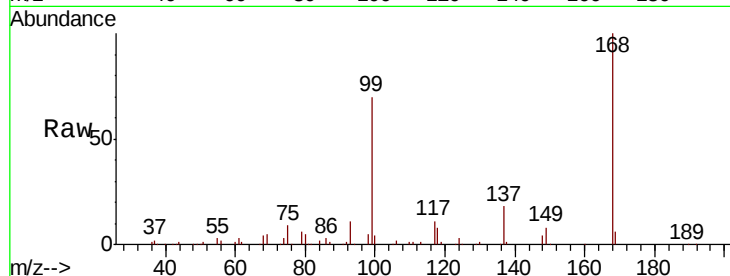




#36
 1,1-Dichloropropene
 Concen: 4.743 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063187.D
 Acq: 22 Jul 2019 19:56

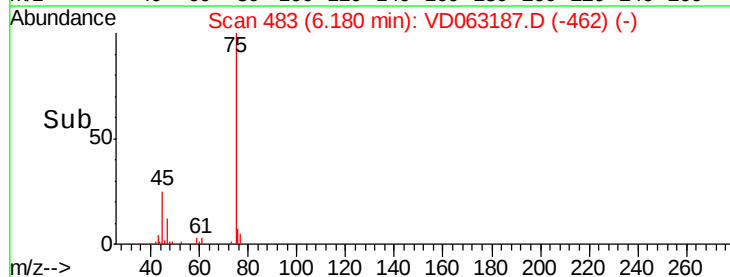
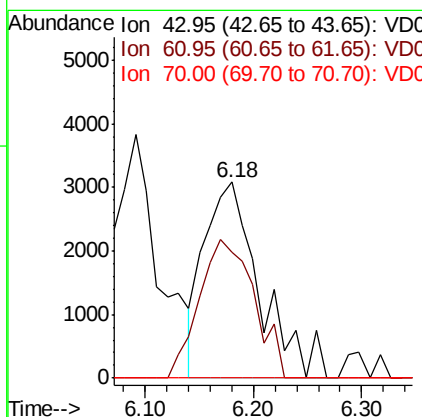
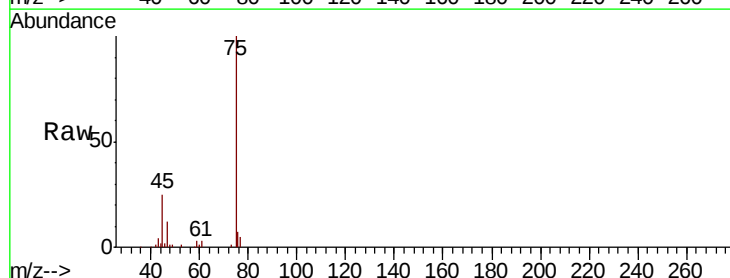
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-B

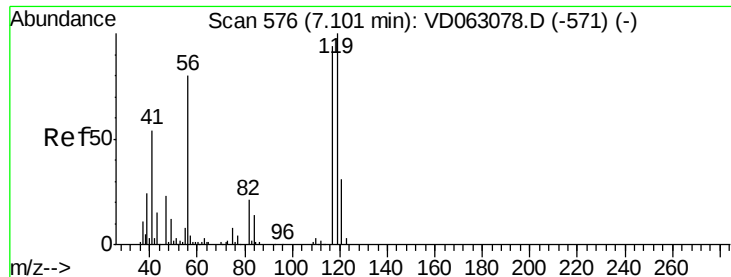
Tot Ion: 75 Resp: 69723
 Ion Ratio Lower Upper
 75 100
 110 6.0 18.9 56.5#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 1.749 ug/l
 RT: 6.18 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VD063187.D
 Acq: 22 Jul 2019 19:56

Tgt Ion: 43 Resp: 11005
 Ion Ratio Lower Upper
 43 100
 61 64.4 10.6 16.0#
 70 0.0 6.6 9.8#

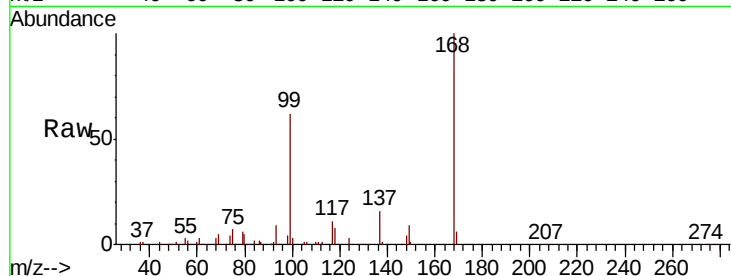




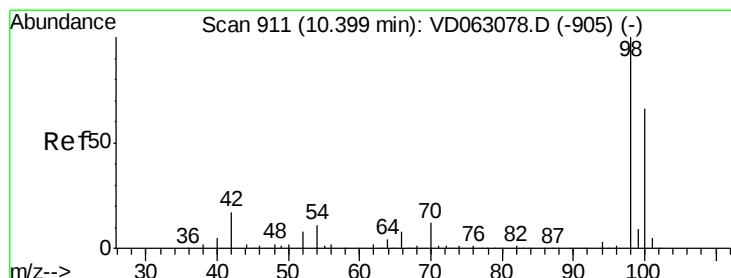
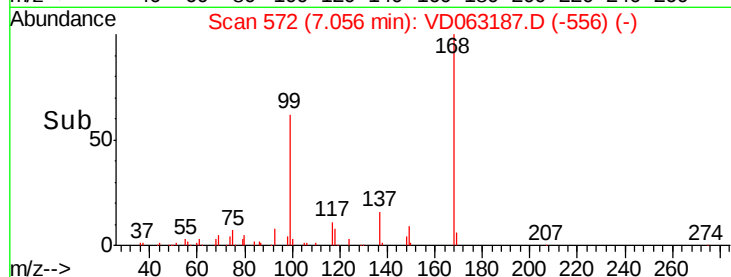
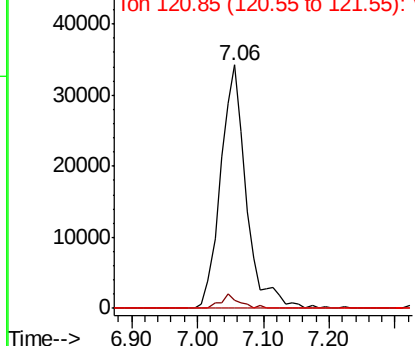
#38
Carbon Tetrachloride
Concen: 4.142 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD063187.D
Acq: 22 Jul 2019 19:56

Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-B

Tot Ion:117 Resp: 92522
Ion Ratio Lower Upper
117 100
119 3.4 80.0 120.0#
121 0.0 25.0 37.4#

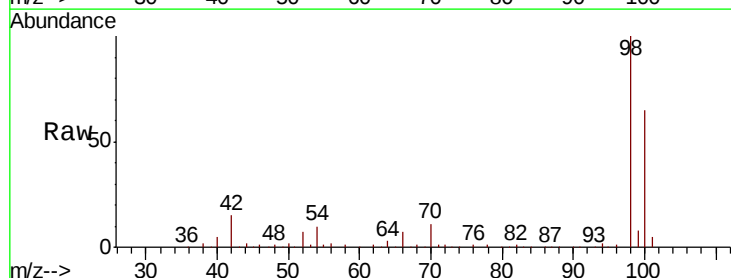


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

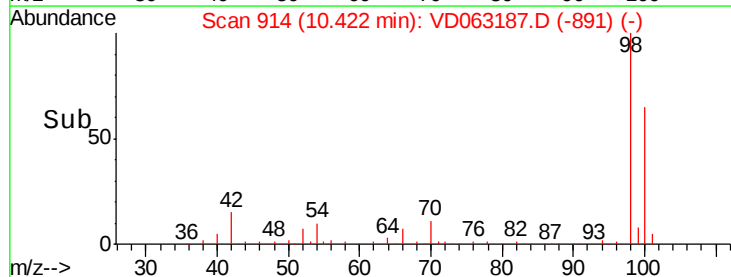
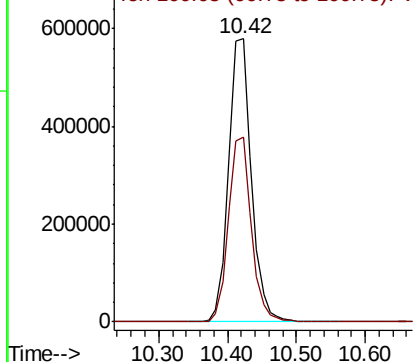


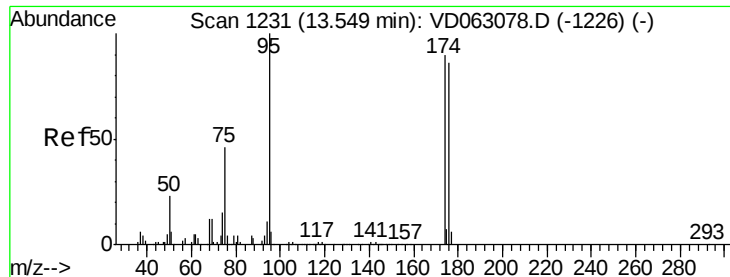
#50
Toluene-d8
Concen: 47.567 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063187.D
Acq: 22 Jul 2019 19:56

Tgt Ion: 98 Resp: 1330134
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3



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

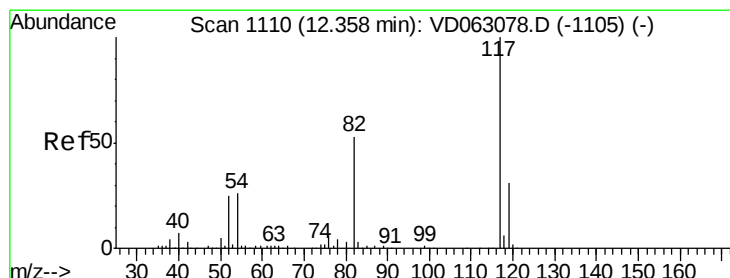
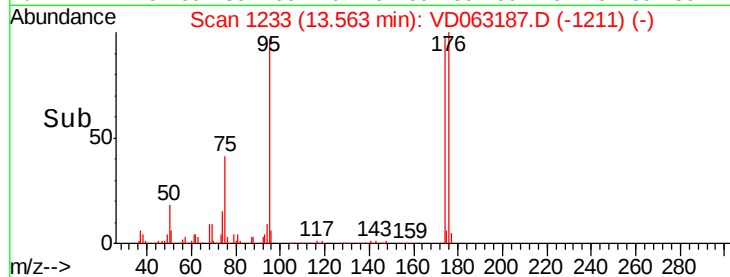
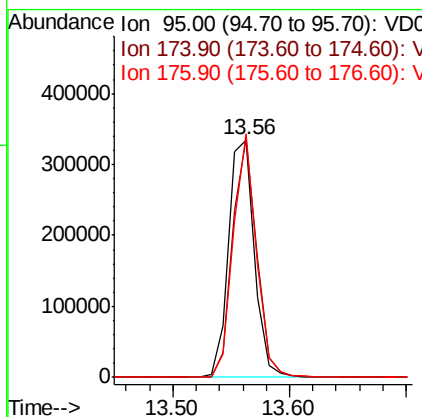
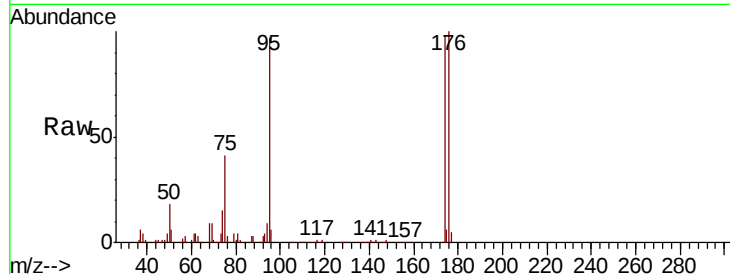




#62
4-Bromofluorobenzene
Concen: 39.664 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063187.D
Acq: 22 Jul 2019 19:56

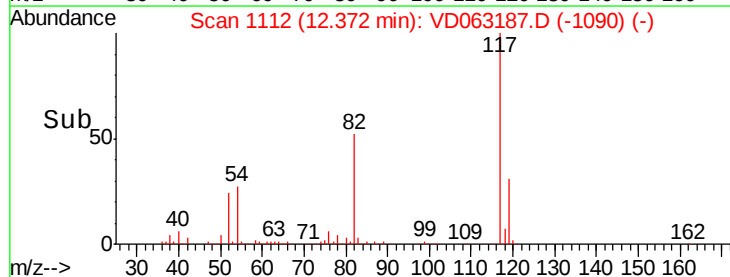
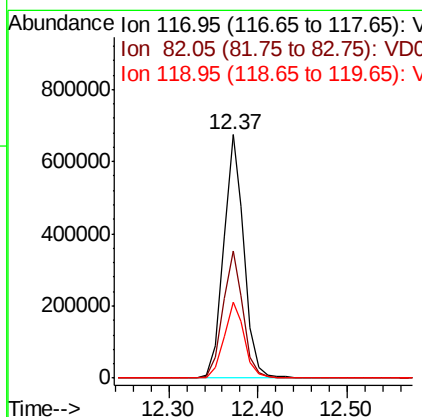
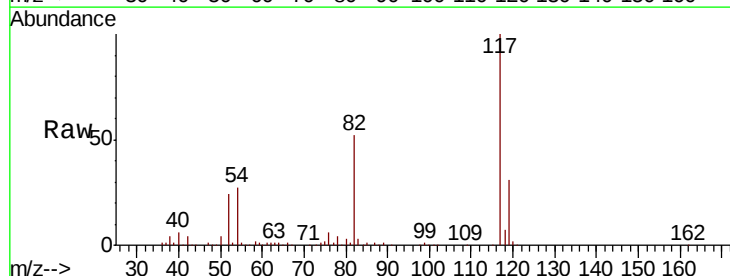
Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-B

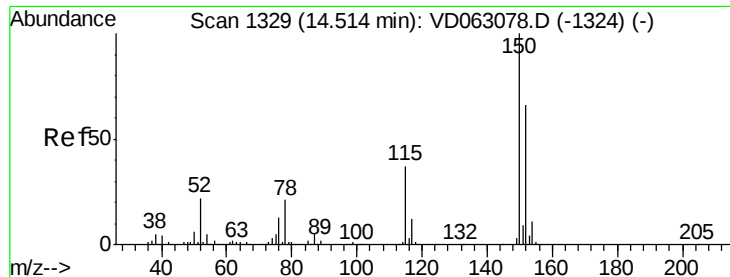
Tot Ion	Ratio	Lower	Upper
95	100		
174	100.5	0.0	180.6
176	102.6	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063187.D
Acq: 22 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.3	63.5
119	31.4	25.2	37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063187.D

Acq: 22 Jul 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-B

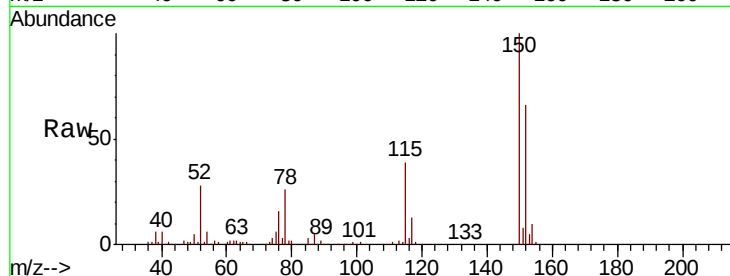
Tot Ion:152 Resp: 484035

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.8

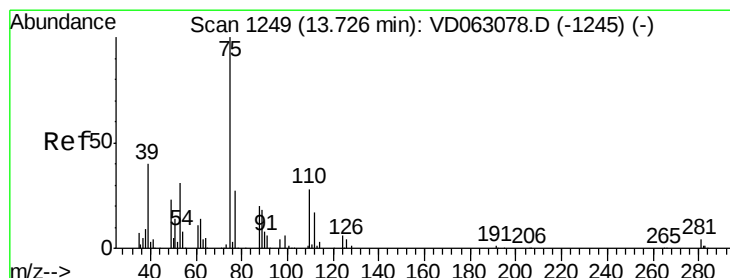
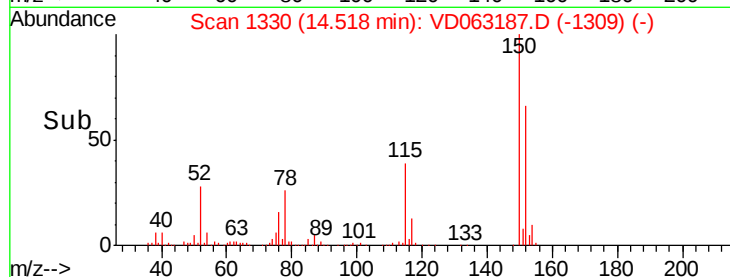
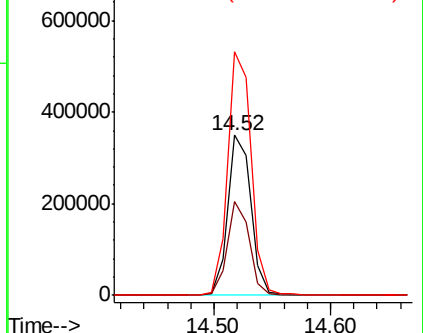
150 151.8 0.0 313.8



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: 27.880 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063187.D

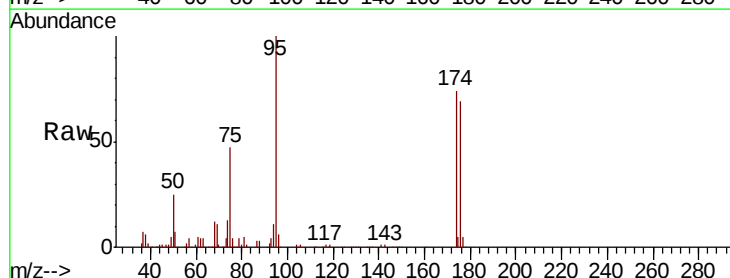
Acq: 22 Jul 2019 19:56

Tgt Ion: 75 Resp: 207589

Ion Ratio Lower Upper

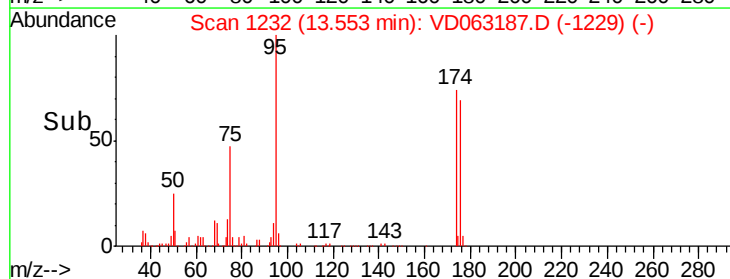
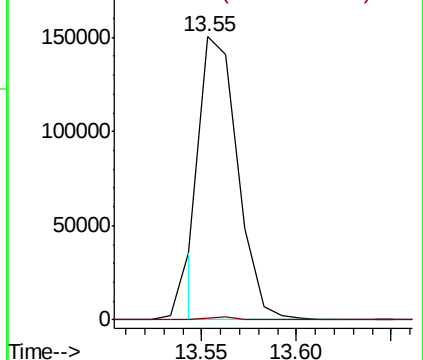
75 100

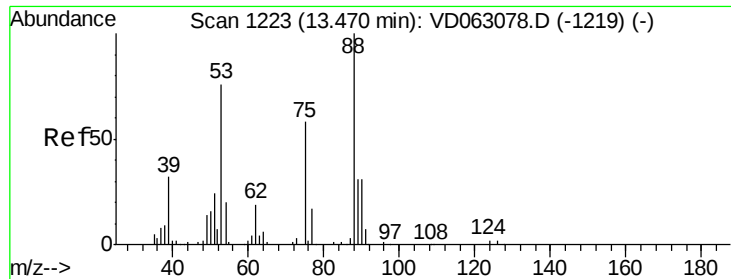
77 0.7 16.3 48.8#



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: 117.201 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063187.D

Acq: 22 Jul 2019 19:56

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-B

Tot Ion: 75 Resp: 229804

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

