

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063165.D
 Acq On : 19 Jul 2019 20:31
 Operator : VA/AP
 Sample : K3838-01
 Misc : 5.31g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 05:02:55 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	7.05	168	786035	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1142893	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	872444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	473837	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	6.92	113	484455	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	
50) Toluene-d8	10.40	98	1008156	41.23	ug/l	0.00
Spiked Amount			Recovery	=	82.46%	
62) 4-Bromofluorobenzene	13.55	95	435062	38.46	ug/l	0.00
Spiked Amount			Recovery	=	76.92%	

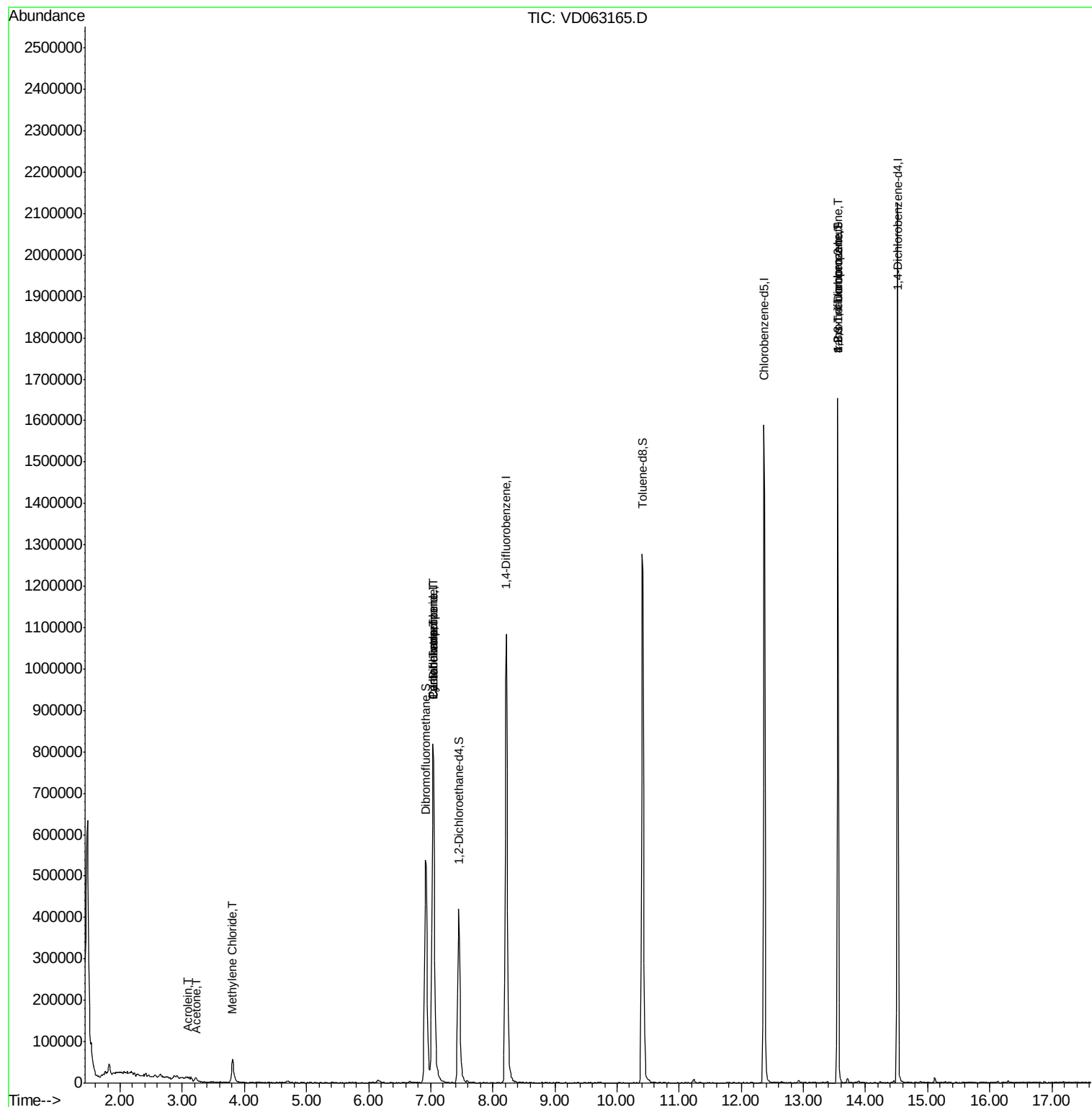
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.48	85	200	Below Cal	#	43
3) Chloromethane	1.72	50	432	Below Cal	#	48
5) Bromomethane	2.18	94	1415	Below Cal	#	13
13) Acrolein	3.09	56	370	2.169	ug/l	92
16) Acetone	3.22	43	20186	8.535	ug/l #	86
18) Methyl Acetate	3.66	43	214	Below Cal	#	63
20) Methylene Chloride	3.81	84	34632	3.876	ug/l	92
31) Cyclohexane	7.04	56	17017	1.826	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	65531	5.098	ug/l #	48
38) Carbon Tetrachloride	7.05	117	79357	4.063	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	149602	22.022	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	203973	114.020	ug/l #	1

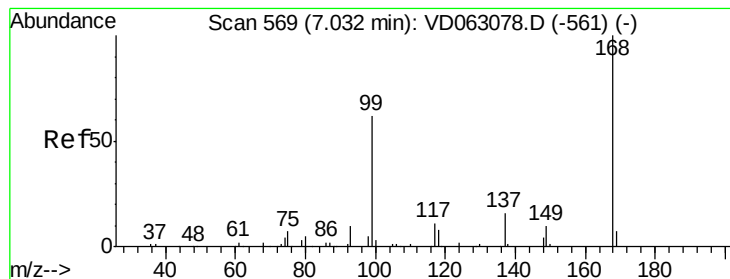
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063165.D

Acq: 19 Jul 2019 20:31

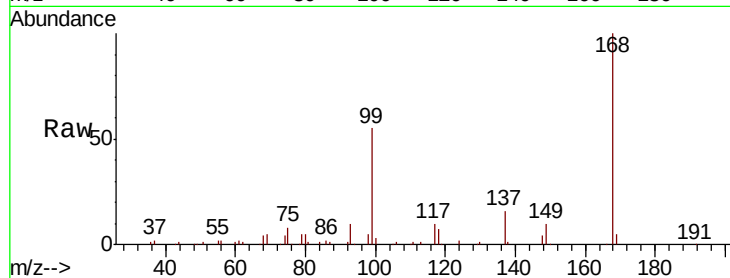
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 786035

Ion Ratio Lower Upper

168 100

99 55.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

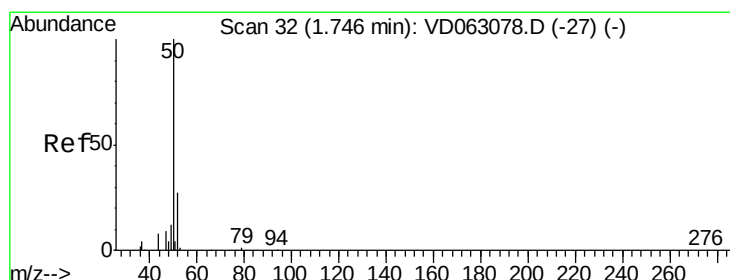
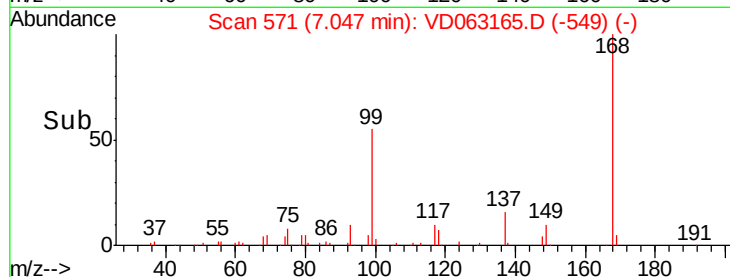
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#3

Chloromethane

Concen: Below Cal

RT: 1.72 min Scan# 30

Delta R.T. -0.02 min

Lab File: VD063165.D

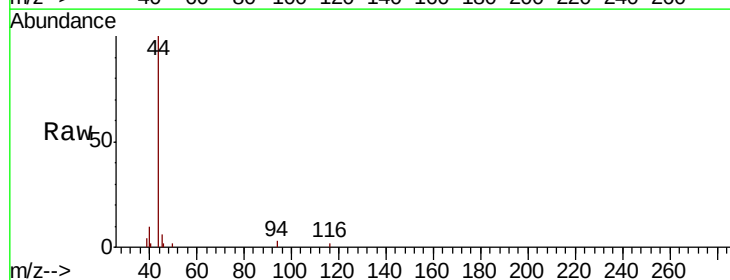
Acq: 19 Jul 2019 20:31

Tgt Ion: 50 Resp: 432

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

1.72

500

400

300

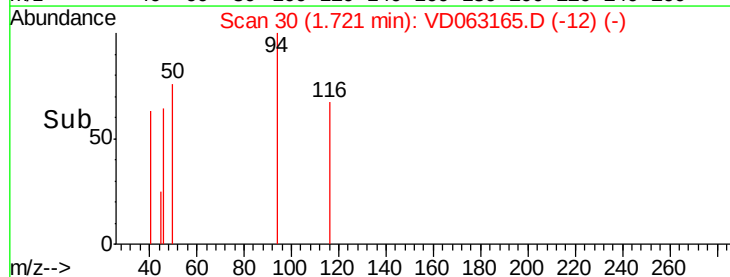
200

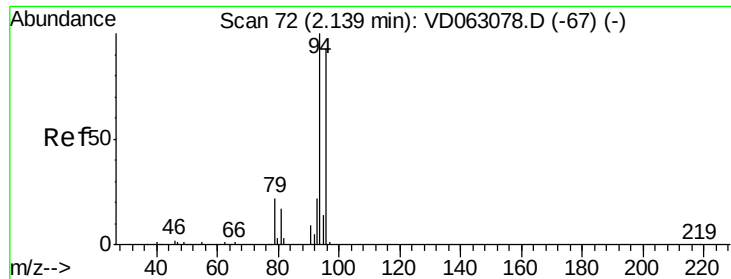
100

0

Time-->

1.70 1.72 1.74 1.76





#5

Bromomethane

Concen: Below Cal

RT: 2.18 min Scan# 77

Delta R.T. 0.05 min

Lab File: VD063165.D

Acq: 19 Jul 2019 20:31

Instrument :
MSVOA_D
ClientSampled :

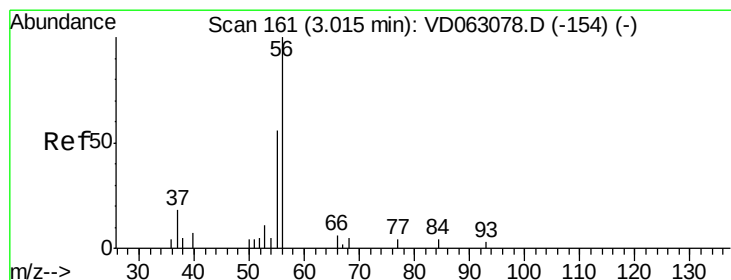
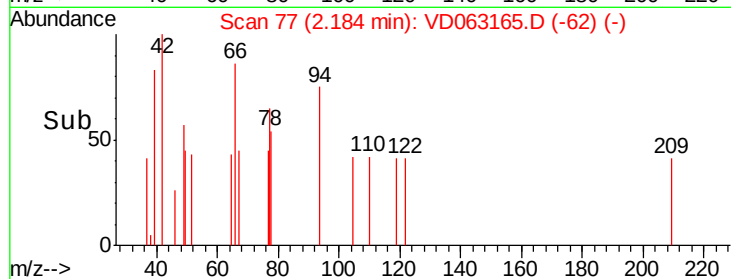
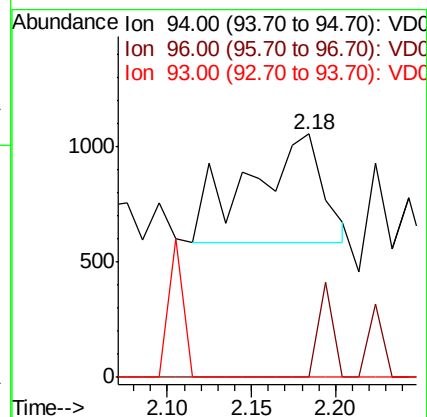
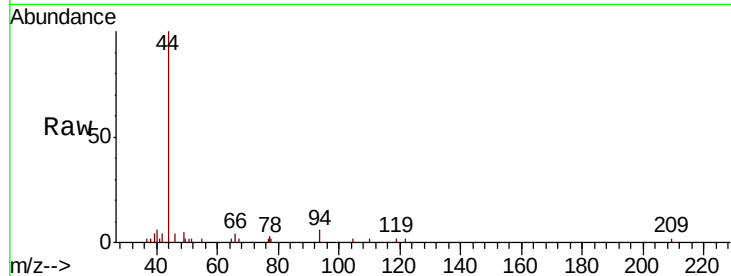
Tot Ion: 94 Resp: 1415

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#13

Acrolein

Concen: 2.169 ug/l

RT: 3.09 min Scan# 169

Delta R.T. 0.07 min

Lab File: VD063165.D

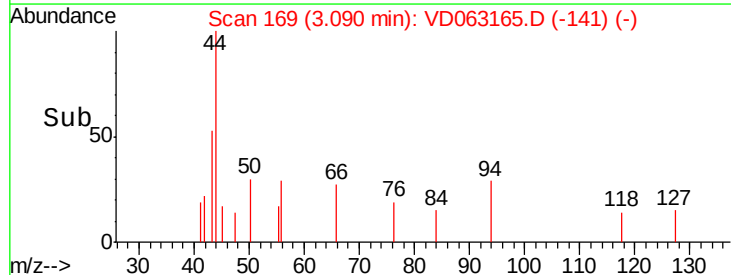
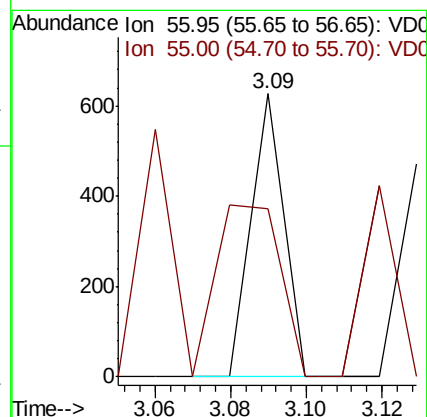
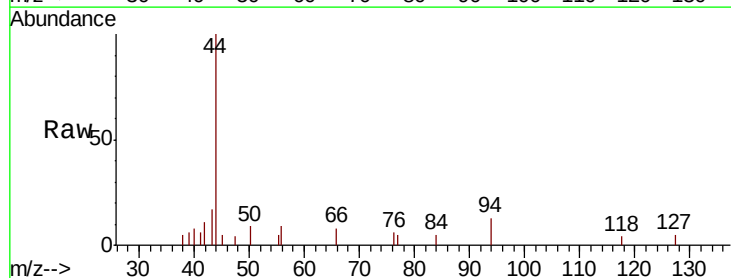
Acq: 19 Jul 2019 20:31

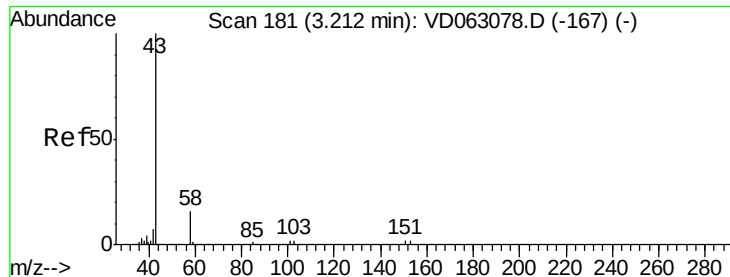
Tgt Ion: 56 Resp: 370

Ion Ratio Lower Upper

56 100

55 59.5 53.0 79.4

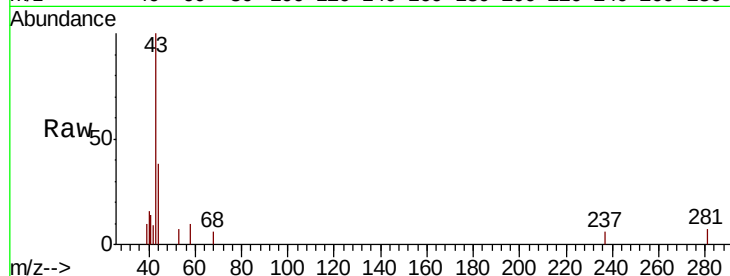




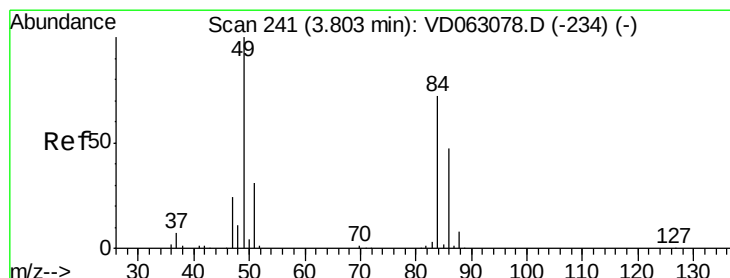
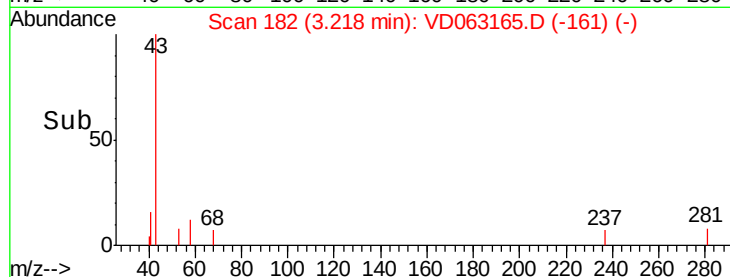
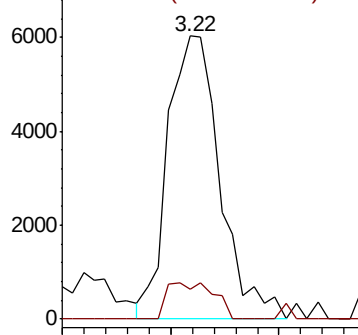
#16
Acetone
Concen: 8.535 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 20186
Ion Ratio Lower Upper
43 100
58 10.4 13.0 19.4#

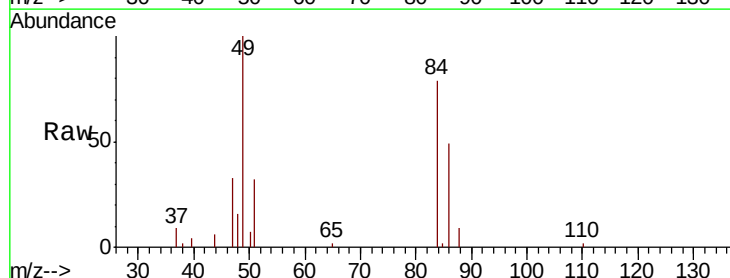


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

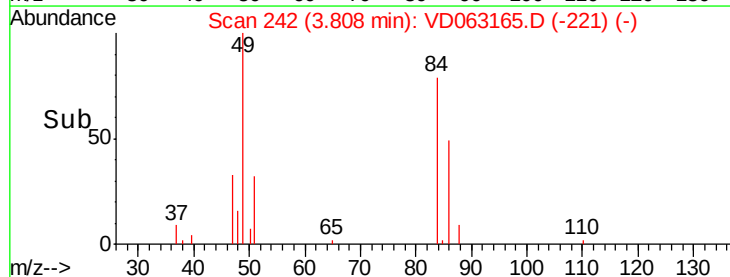
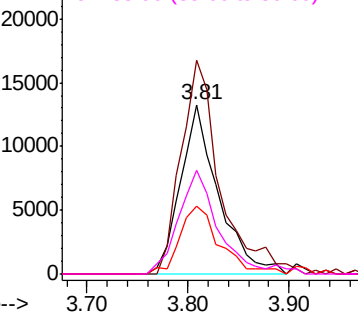


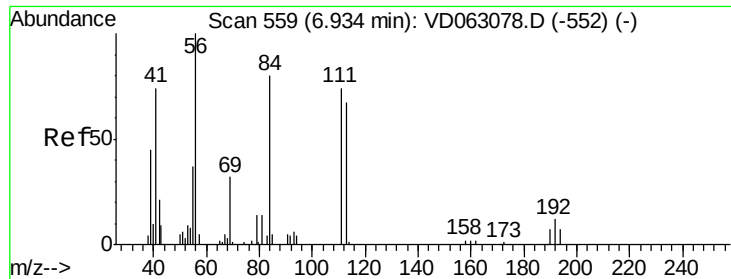
#20
Methylene Chloride
Concen: 3.876 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 84 Resp: 34632
Ion Ratio Lower Upper
84 100
49 126.0 110.5 165.7
51 40.2 34.6 51.8
86 61.3 51.6 77.4



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

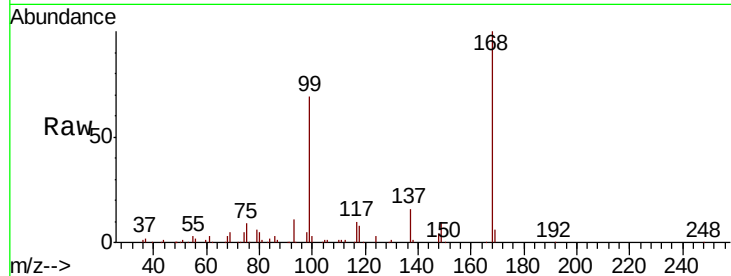




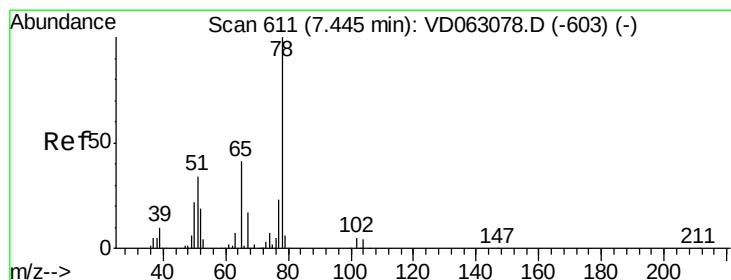
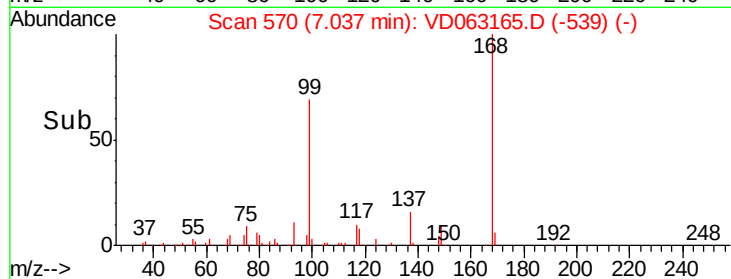
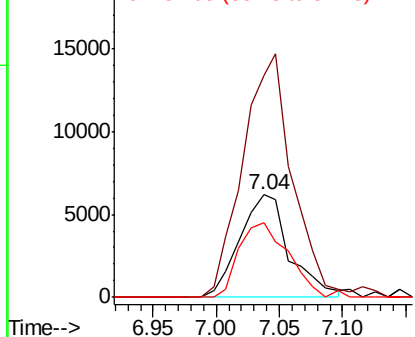
#31
Cyclohexane
Concen: 1.826 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 17017
Ion Ratio Lower Upper
56 100
69 216.4 25.3 37.9#
84 72.8 64.2 96.4

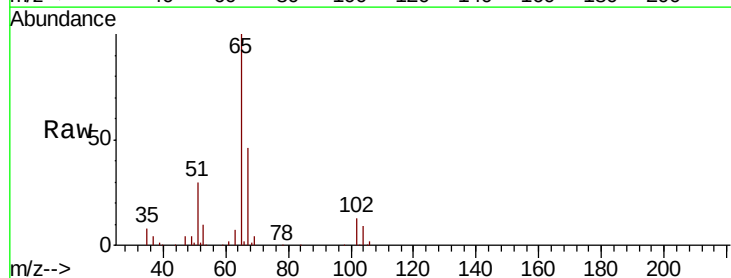


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

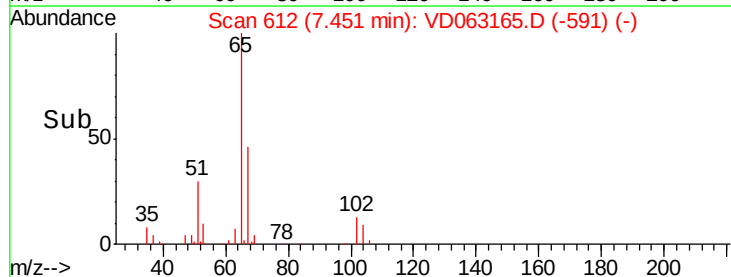
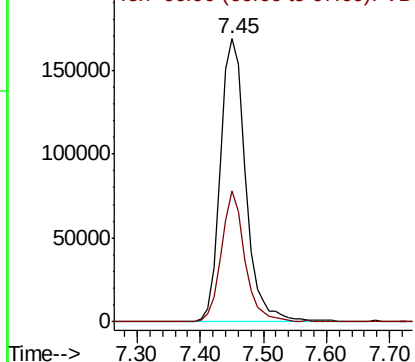


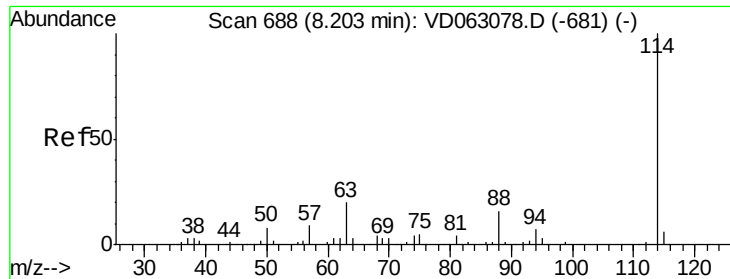
#33
1,2-Dichloroethane-d4
Concen: 48.392 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 65 Resp: 473837
Ion Ratio Lower Upper
65 100
67 46.3 0.0 86.0



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

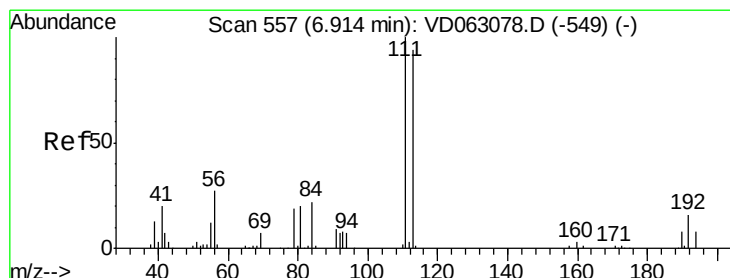
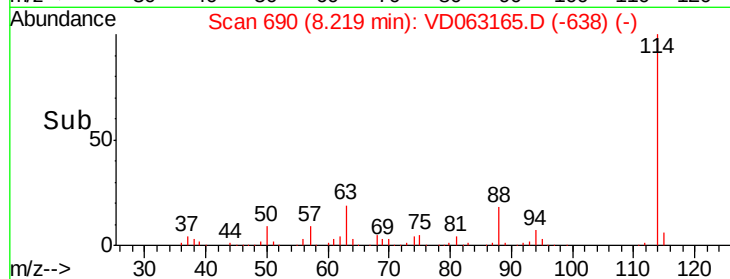
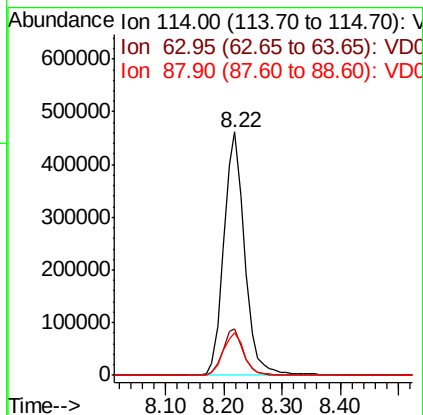
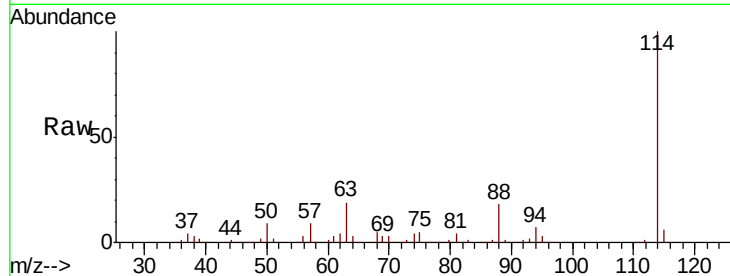




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063165.D
 Acq: 19 Jul 2019 20:31

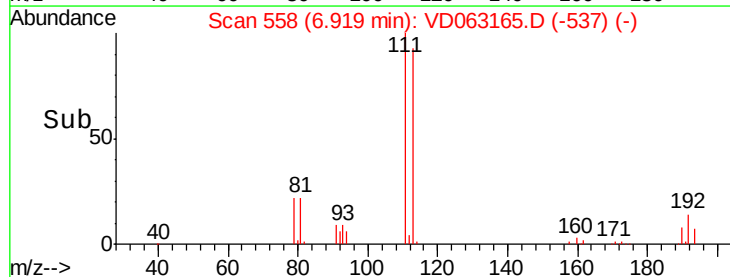
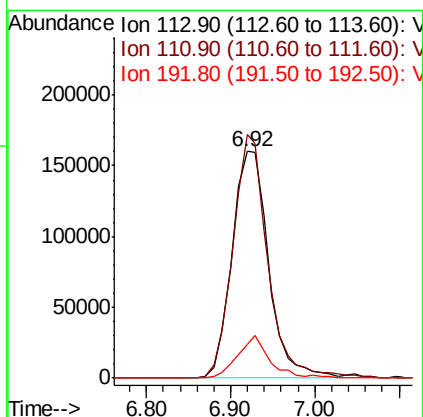
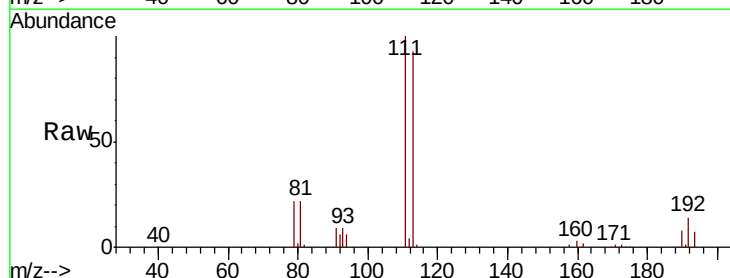
Instrument :
 MSVOA_D
 ClientSampleId :

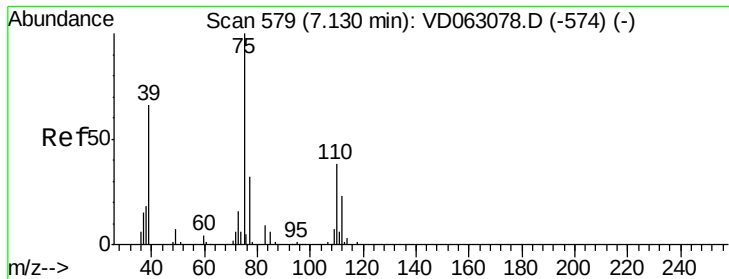
Tot Ion:114 Resp: 1142893
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.6
 88 17.6 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 42.558 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063165.D
 Acq: 19 Jul 2019 20:31

Tgt Ion:113 Resp: 484455
 Ion Ratio Lower Upper
 113 100
 111 107.4 84.8 127.2
 192 14.8 13.4 20.0

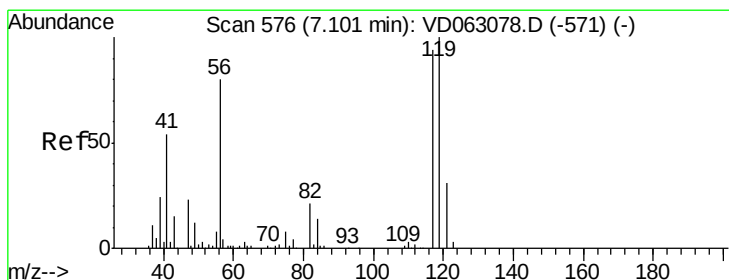
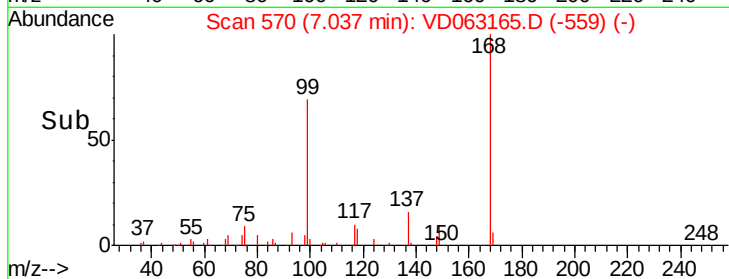
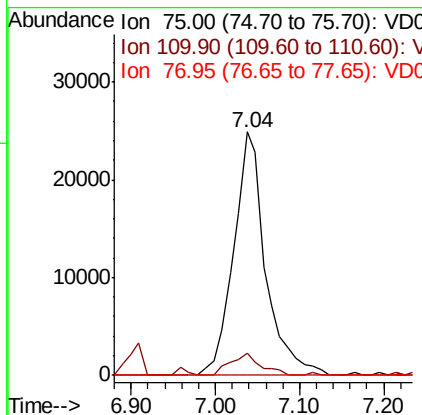
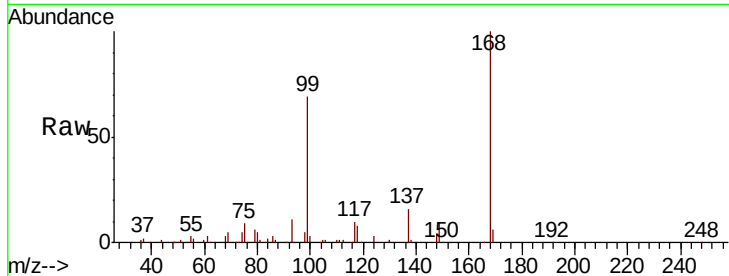




#36
 1,1-Dichloropropene
 Concen: 5.098 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063165.D
 Acq: 19 Jul 2019 20:31

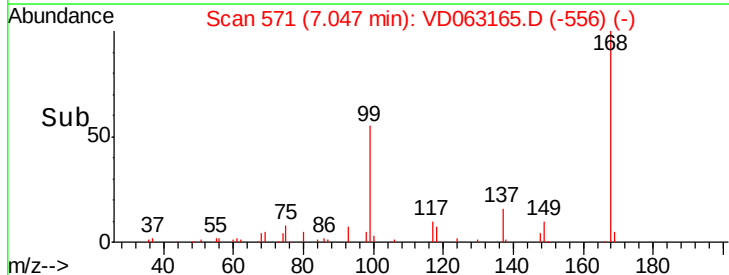
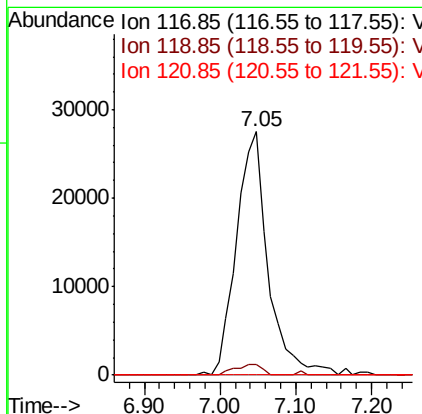
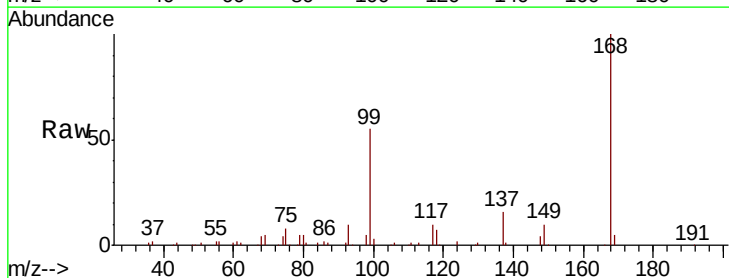
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 ClientSampleId :

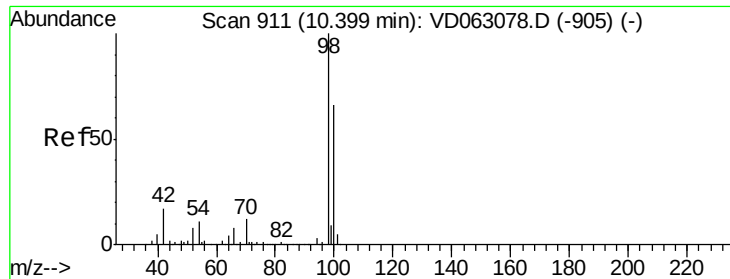
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.9	56.5#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 4.063 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063165.D
 Acq: 19 Jul 2019 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	80.0	120.0#
121	0.0	25.0	37.4#

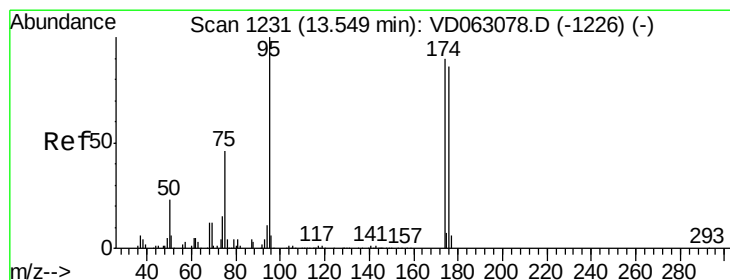
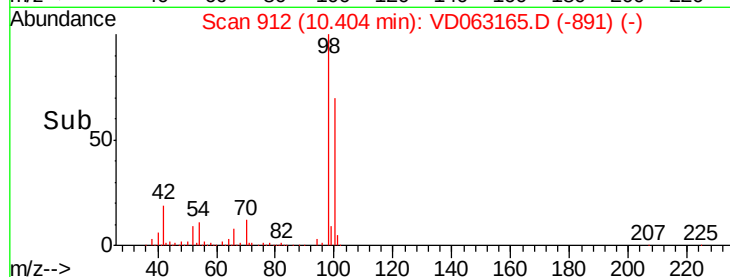
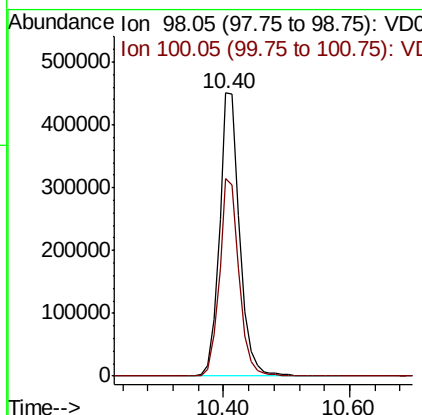
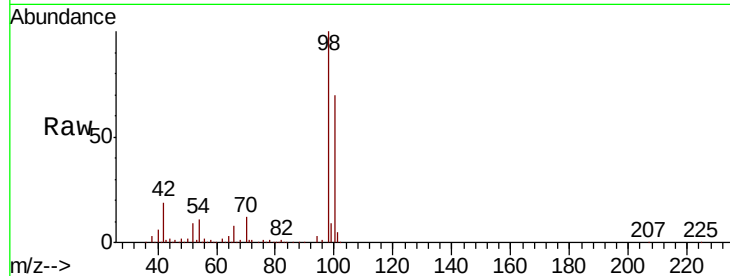




#50
Toluene-d8
Concen: 41.230 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

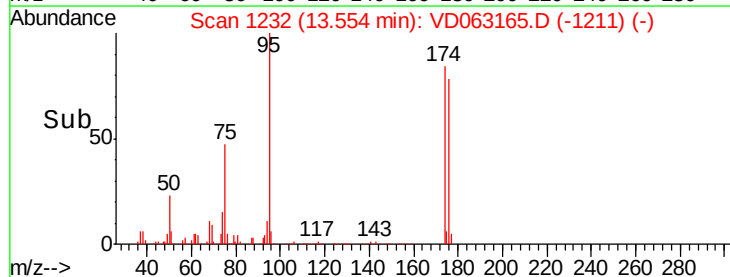
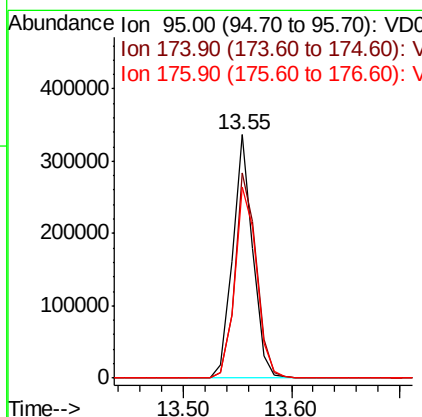
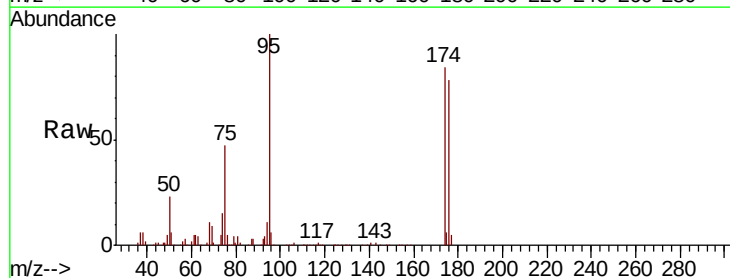
Instrument :
MSVOA_D
ClientSampleId :

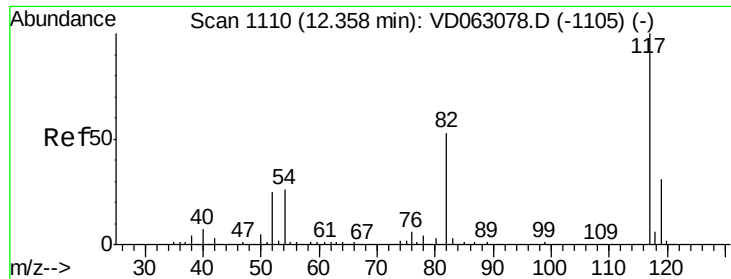
Tot Ion: 98 Resp: 1008156
Ion Ratio Lower Upper
98 100
100 69.8 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 38.459 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 95 Resp: 435062
Ion Ratio Lower Upper
95 100
174 84.3 0.0 180.6
176 78.4 0.0 172.2

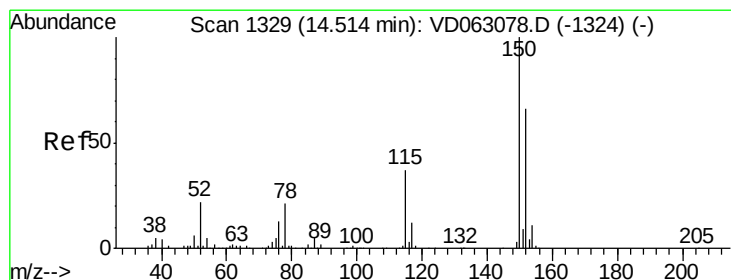
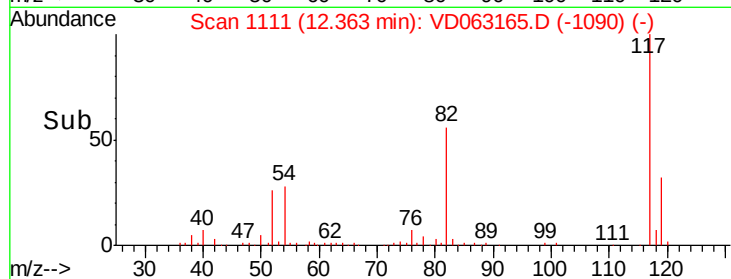
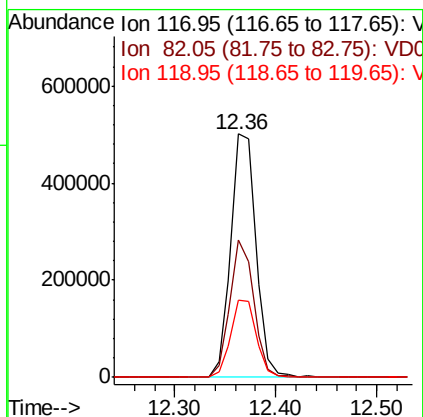
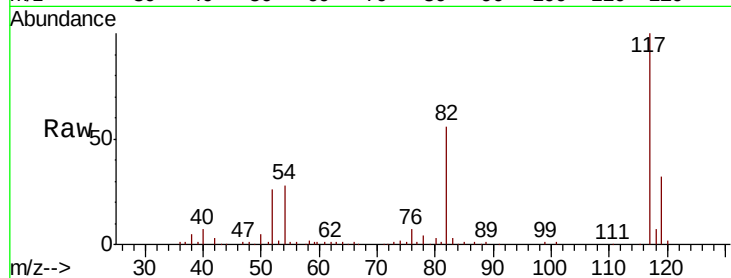




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

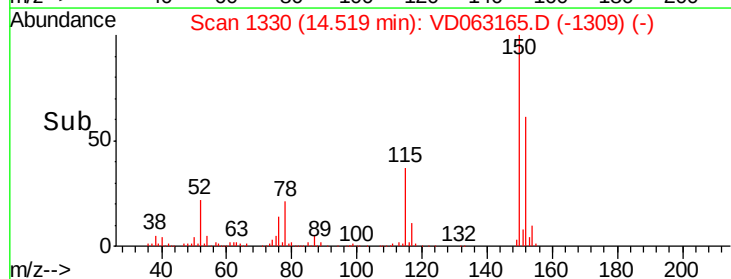
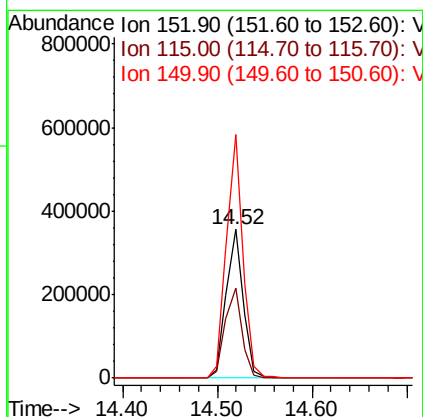
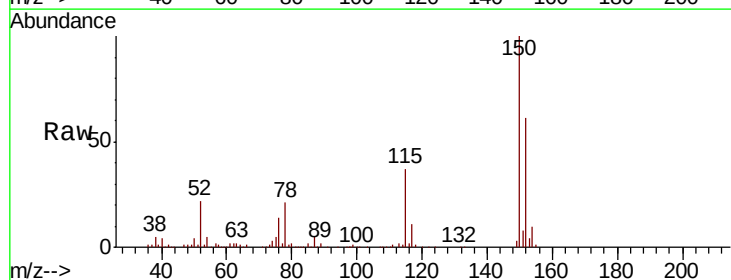
Instrument :
MSVOA_D
ClientSampleId :

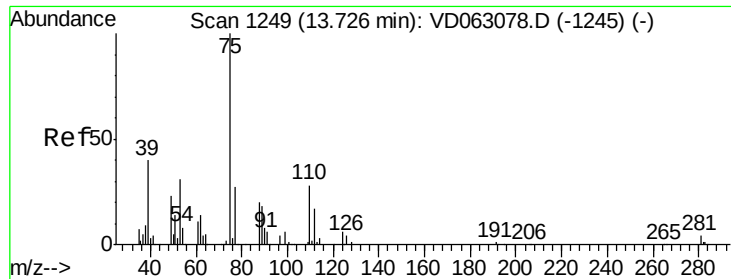
Tot Ion:117 Resp: 872444
Ion Ratio Lower Upper
117 100
82 56.3 42.3 63.5
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063165.D
Acq: 19 Jul 2019 20:31

Tgt Ion:152 Resp: 441613
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.8
150 164.2 0.0 313.8





#76

1,2,3-Trichloropropane

Concen: 22.022 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063165.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_D

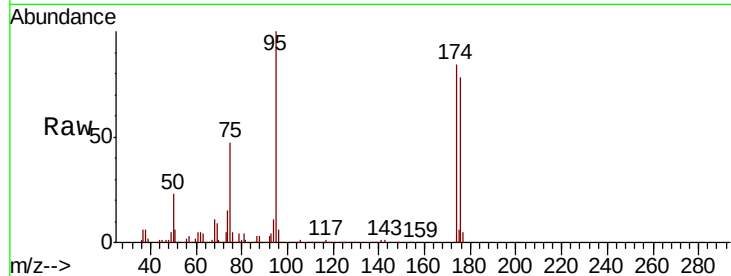
ClientSampleId :

Tot Ion: 75 Resp: 149602

Ion Ratio Lower Upper

75 100

77 0.8 16.3 48.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.55

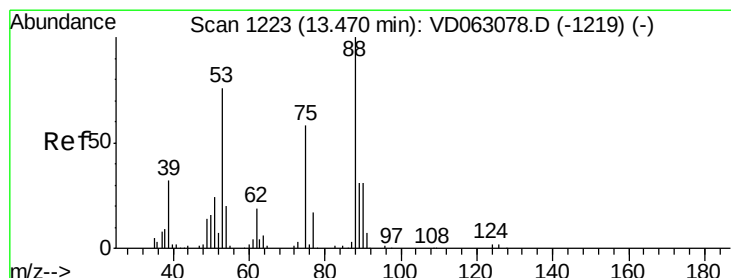
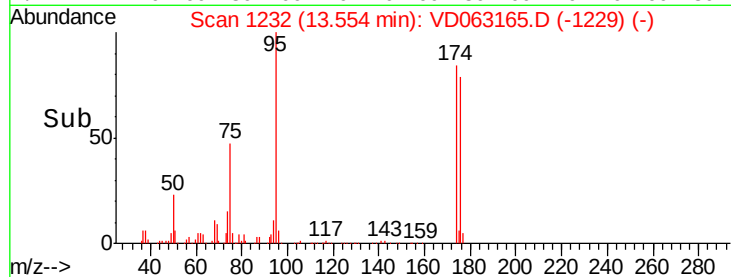
150000

100000

50000

0

Time--> 13.50 13.55 13.60 13.65



#81

trans-1,4-Dichloro-2-butene

Concen: 114.020 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063165.D

Acq: 19 Jul 2019 20:31

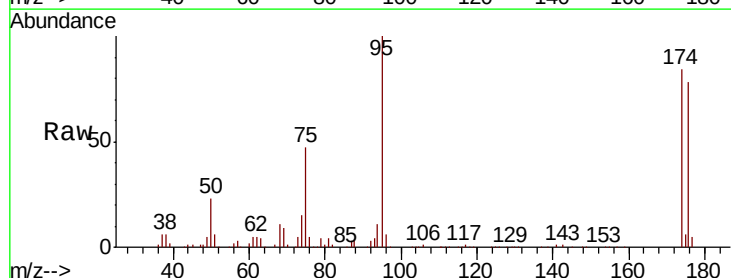
Tgt Ion: 75 Resp: 203973

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



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

200000

150000

100000

50000

0

Time--> 13.50 13.55 13.60

