

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063140.D
 Acq On : 17 Jul 2019 19:18
 Operator : VA/AP
 Sample : K3830-01
 Misc : 5.26g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:59:01 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	890405	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1195026	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	900908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	416990	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	455063	41.03	ug/l	0.00
Spiked Amount			Recovery	=	82.06%	
35) Dibromofluoromethane	6.92	113	506596	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	
50) Toluene-d8	10.41	98	1057229	41.35	ug/l	0.02
Spiked Amount			Recovery	=	82.70%	
62) 4-Bromofluorobenzene	13.55	95	428508	36.23	ug/l	0.00
Spiked Amount			Recovery	=	72.46%	

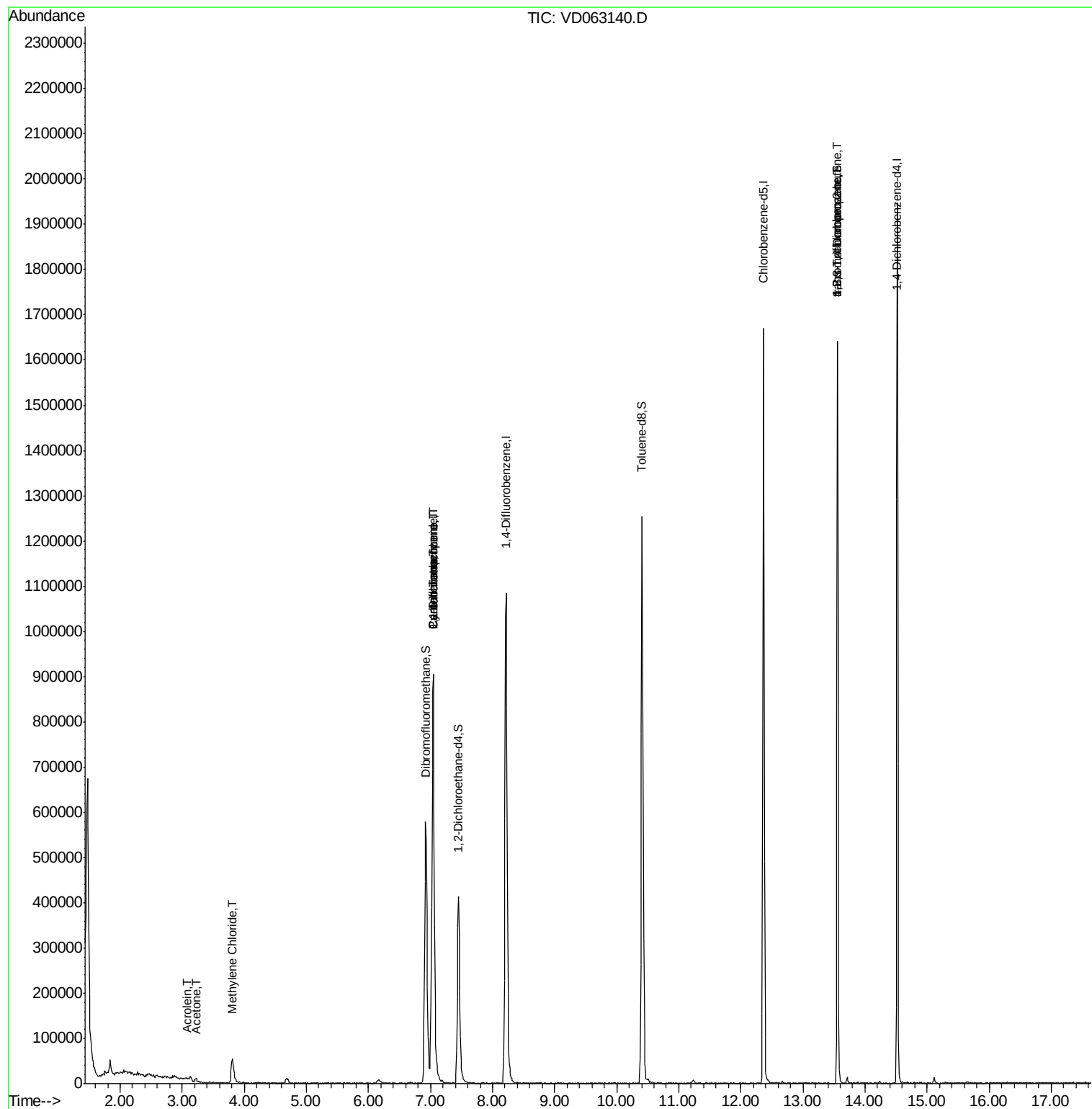
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	494	Below Cal	#	1
3) Chloromethane	1.75	50	189	Below Cal	#	1
5) Bromomethane	2.15	94	3209	Below Cal	#	13
13) Acrolein	3.06	56	271	1.403	ug/l #	17
16) Acetone	3.22	43	17391	6.492	ug/l #	92
18) Methyl Acetate	3.66	43	313	Below Cal	#	63
20) Methylene Chloride	3.81	84	36197	3.576	ug/l	94
31) Cyclohexane	7.04	56	18375	1.740	ug/l #	7
36) 1,1-Dichloropropene	7.04	75	70117	5.217	ug/l #	47
38) Carbon Tetrachloride	7.05	117	92193	4.514	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	142670	22.242	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	198285	117.385	ug/l #	1

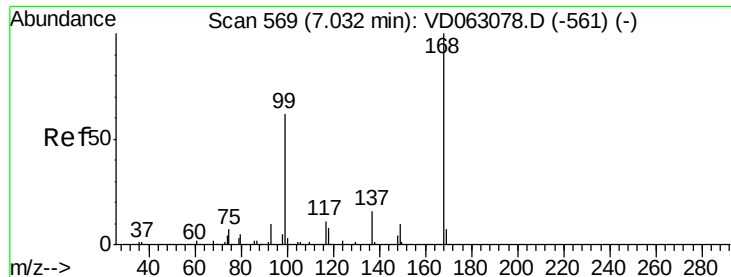
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071719\
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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: VD063140.D

Acq: 17 Jul 2019 19:18

Instrument :

MSVOA_D

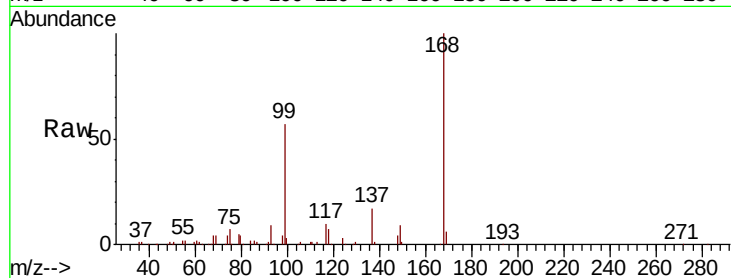
ClientSampleId :

Tot Ion:168 Resp: 890405

Ion Ratio Lower Upper

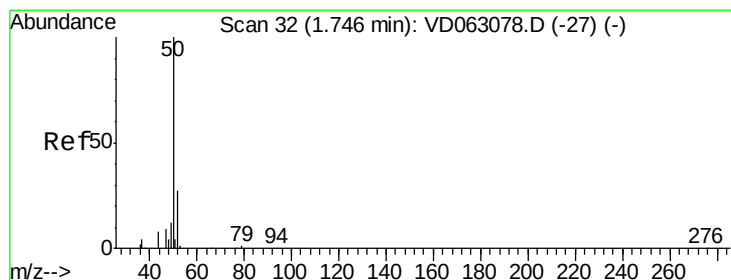
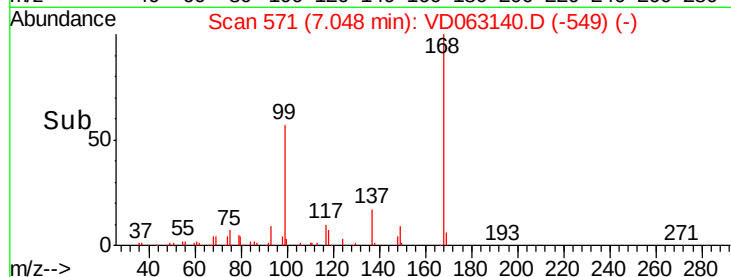
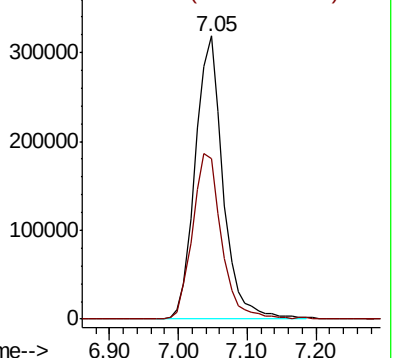
168 100

99 56.6 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: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063140.D

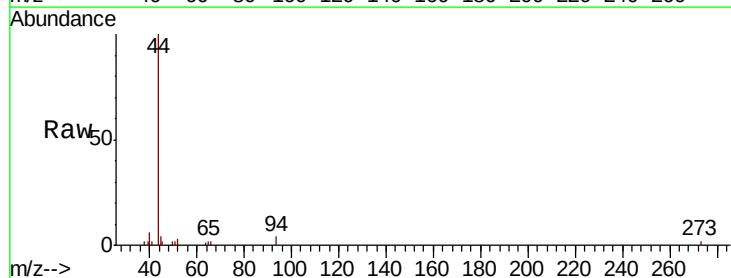
Acq: 17 Jul 2019 19:18

Tgt Ion: 50 Resp: 189

Ion Ratio Lower Upper

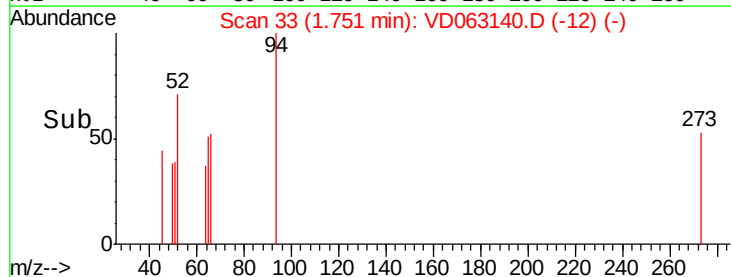
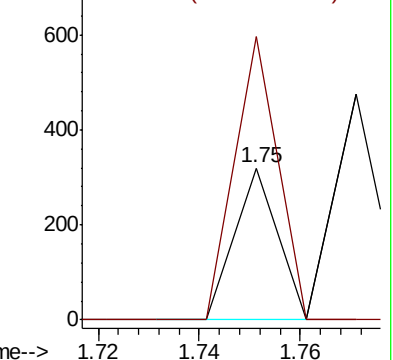
50 100

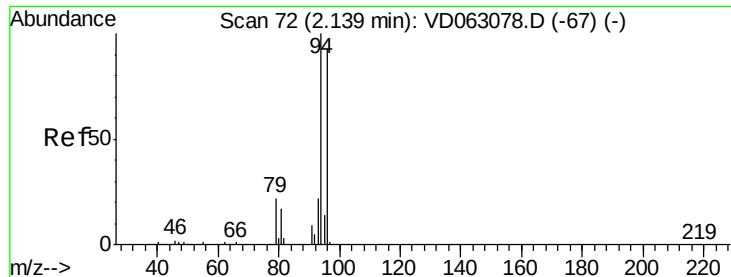
52 186.3 21.4 32.2#



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: 2.15 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD063140.D

Acq: 17 Jul 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

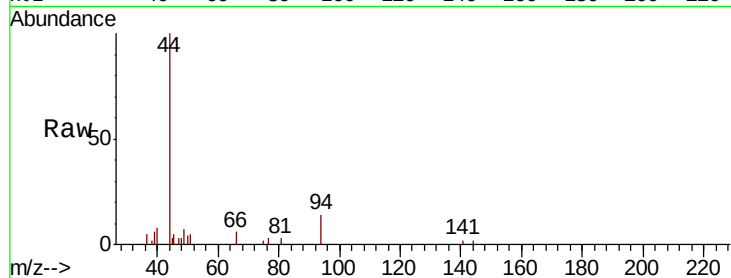
Tot Ion: 94 Resp: 3209

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

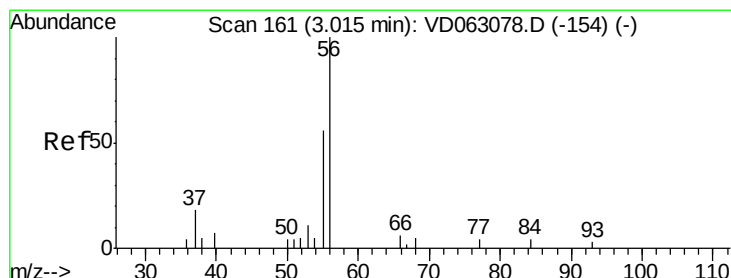
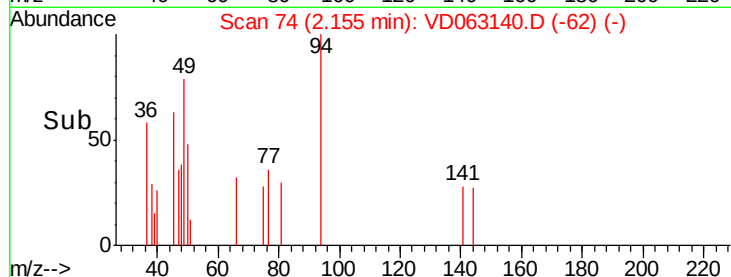
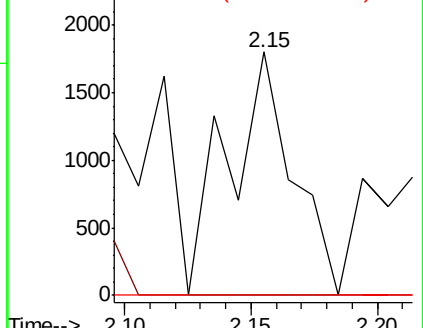
93 0.0 17.8 26.6#



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



#13

Acrolein

Concen: 1.403 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.05 min

Lab File: VD063140.D

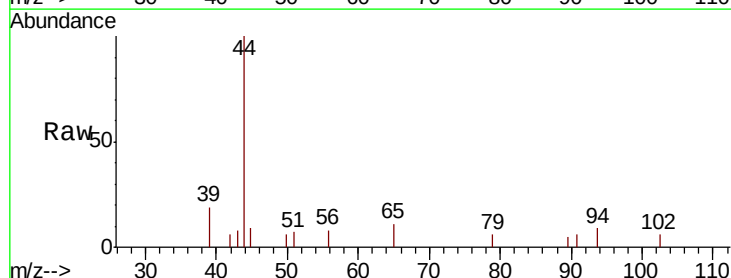
Acq: 17 Jul 2019 19:18

Tgt Ion: 56 Resp: 271

Ion Ratio Lower Upper

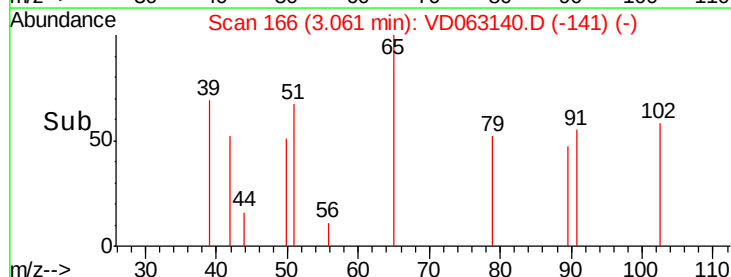
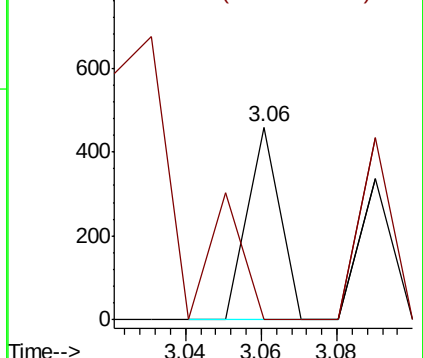
56 100

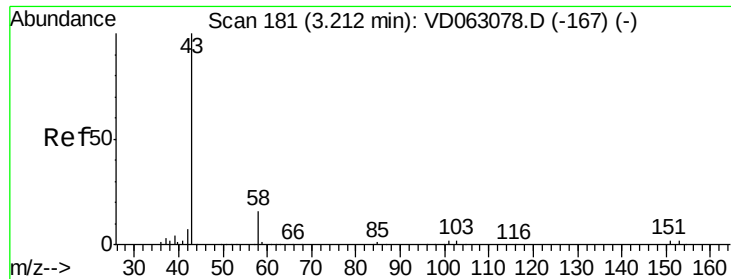
55 0.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 6.492 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063140.D

Acq: 17 Jul 2019 19:18

Instrument :

MSVOA_D

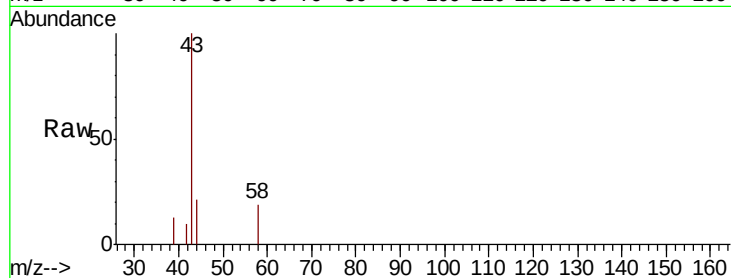
ClientSampleId :

Tot Ion: 43 Resp: 17391

Ion Ratio Lower Upper

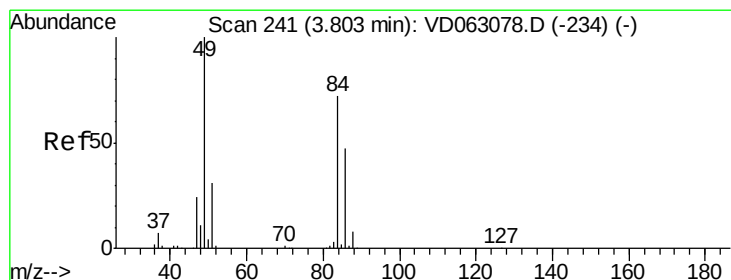
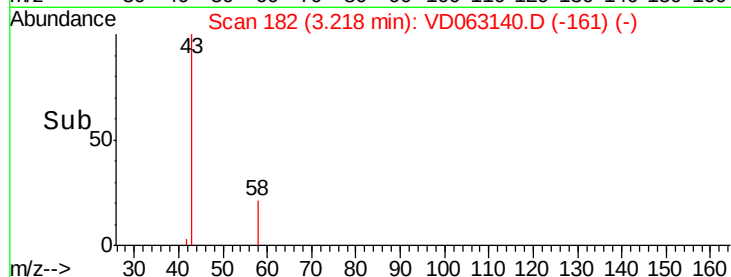
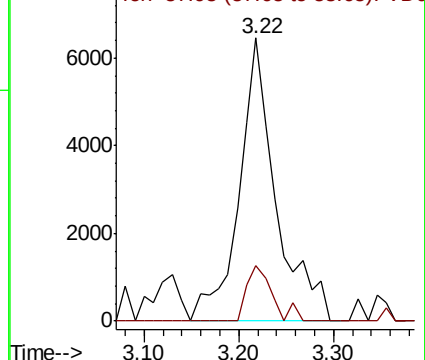
43 100

58 19.5 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: 3.576 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063140.D

Acq: 17 Jul 2019 19:18

Tgt Ion: 84 Resp: 36197

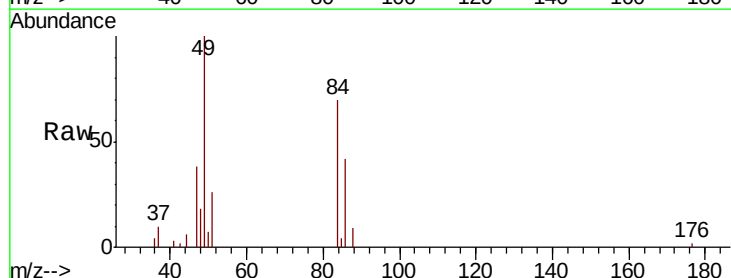
Ion Ratio Lower Upper

84 100

49 142.2 110.5 165.7

51 36.3 34.6 51.8

86 59.4 51.6 77.4

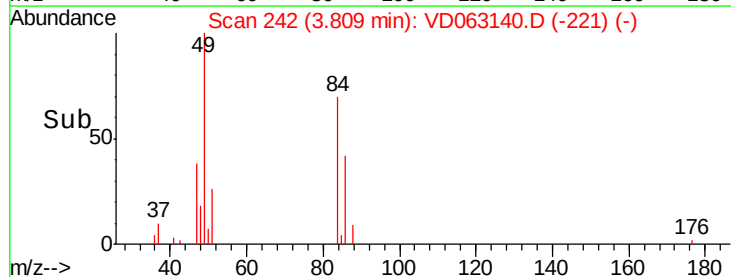
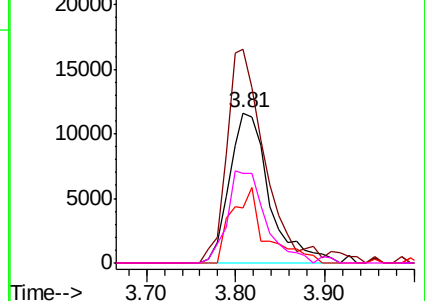


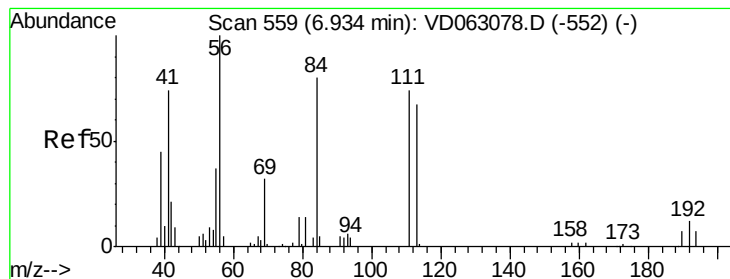
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.740 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063140.D

Acq: 17 Jul 2019 19:18

Instrument :

MSVOA_D

ClientSampled :

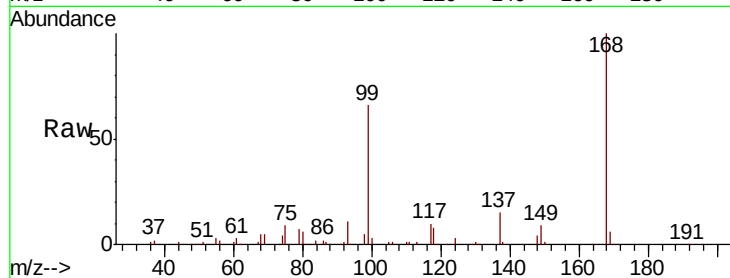
Tot Ion: 56 Resp: 18375

Ion Ratio Lower Upper

56 100

69 189.1 25.3 37.9#

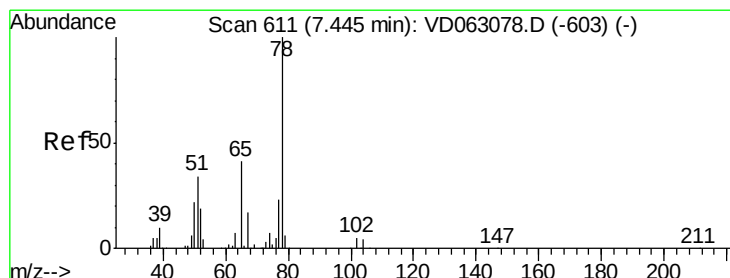
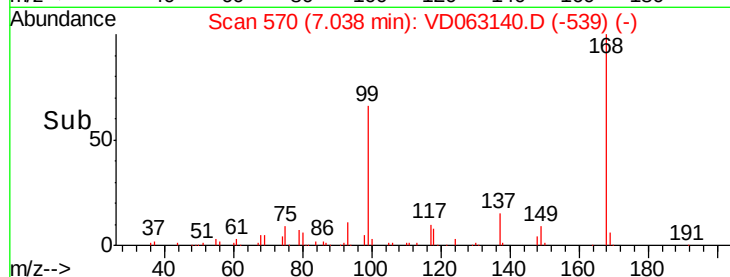
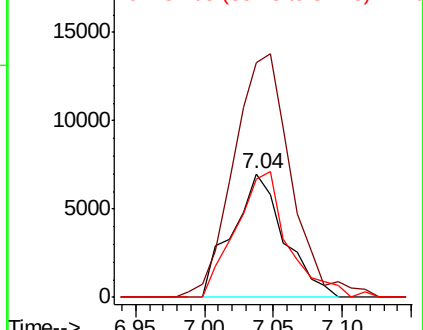
84 95.8 64.2 96.4



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: 41.027 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063140.D

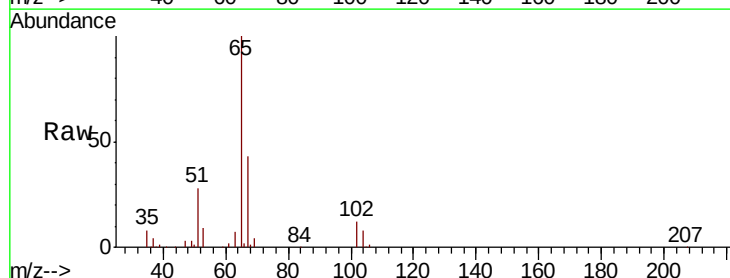
Acq: 17 Jul 2019 19:18

Tgt Ion: 65 Resp: 455063

Ion Ratio Lower Upper

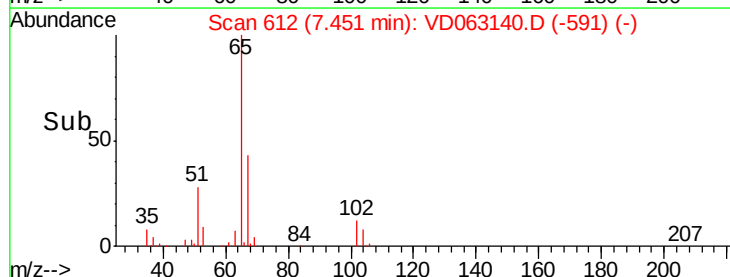
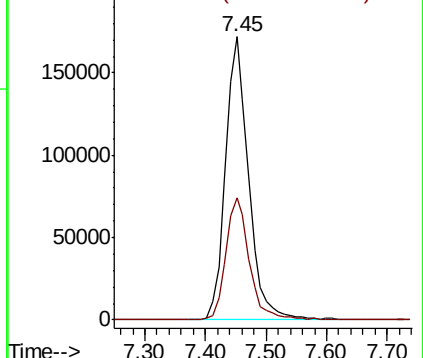
65 100

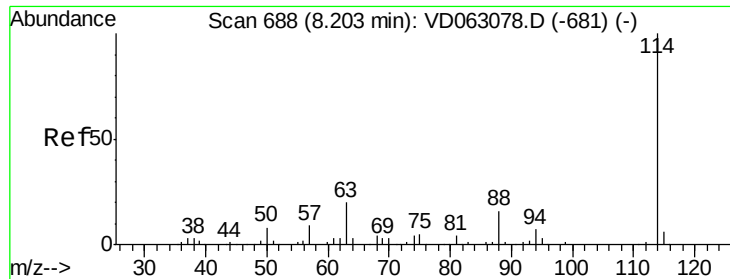
67 43.1 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

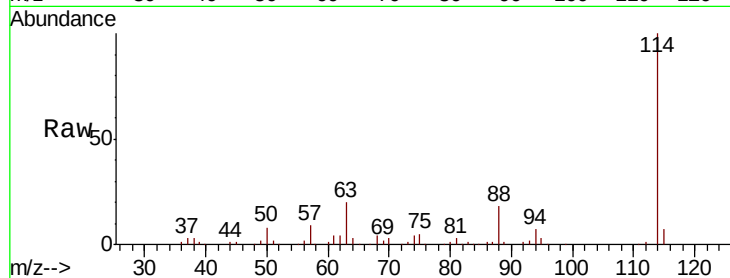




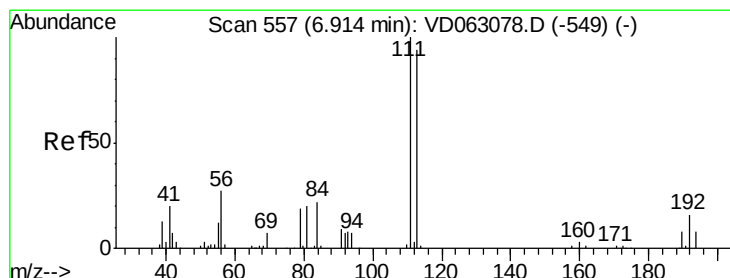
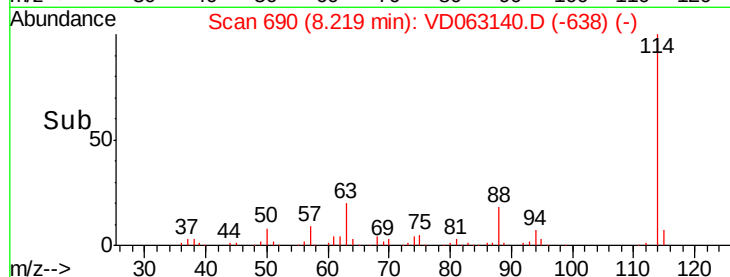
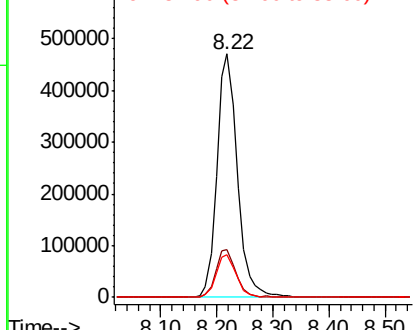
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063140.D
 Acq: 17 Jul 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1195026
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 17.7 0.0 32.6

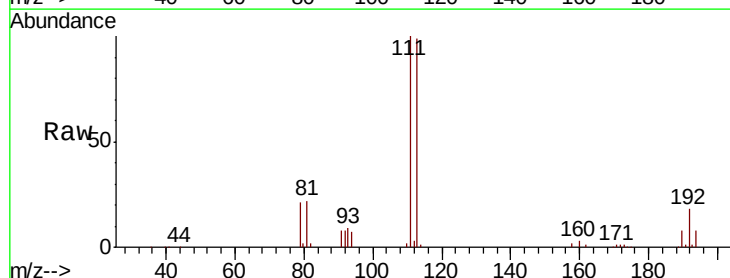


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

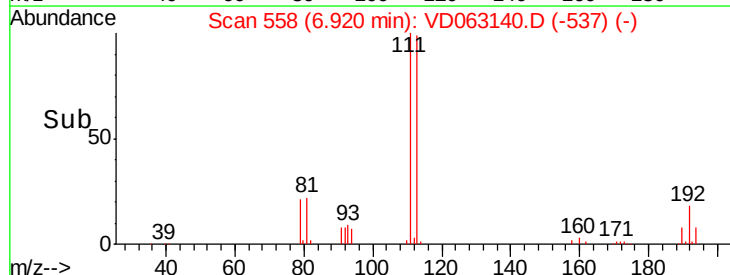
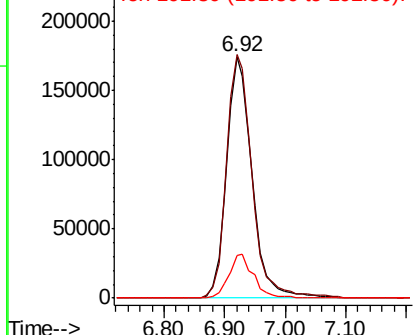


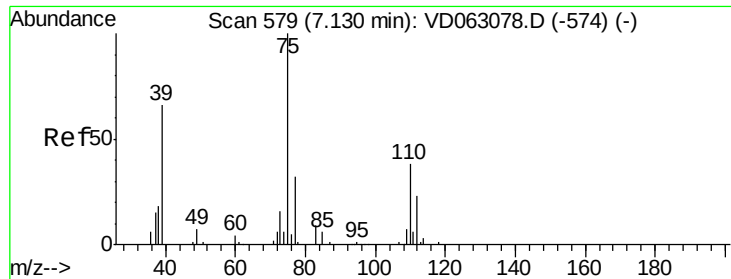
#35
 Dibromofluoromethane
 Concen: 42.561 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063140.D
 Acq: 17 Jul 2019 19:18

Tgt Ion:113 Resp: 506596
 Ion Ratio Lower Upper
 113 100
 111 101.0 84.8 127.2
 192 18.0 13.4 20.0



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

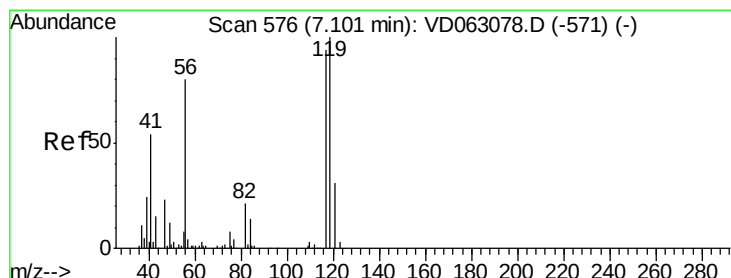
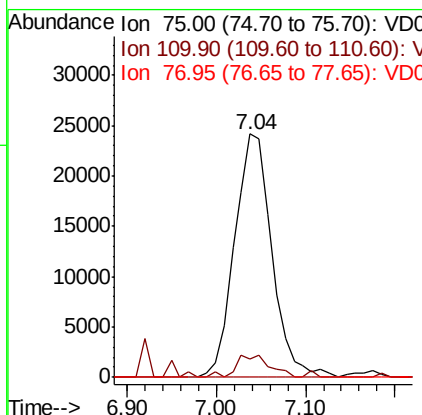
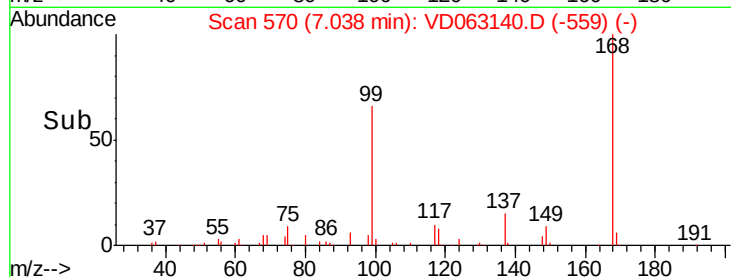
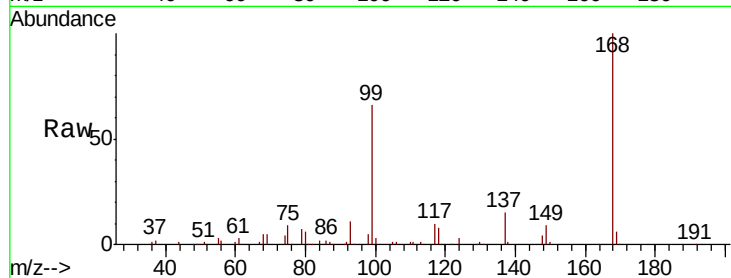




#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063140.D
 Acq: 17 Jul 2019 19:18

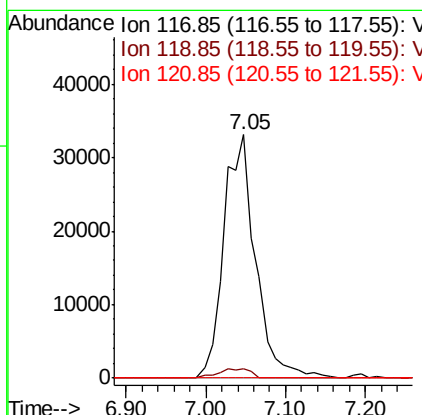
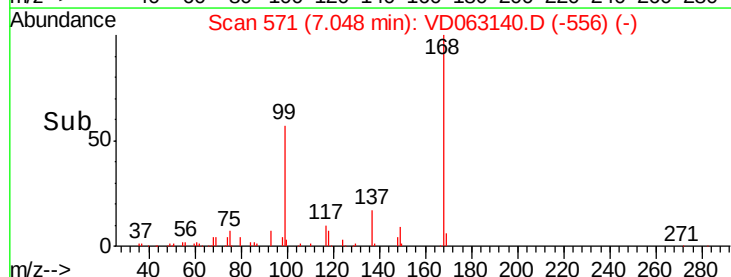
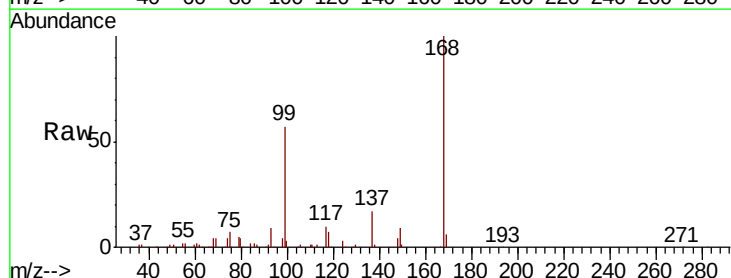
Instrument :
 MSVOA_D
 ClientSampleId :

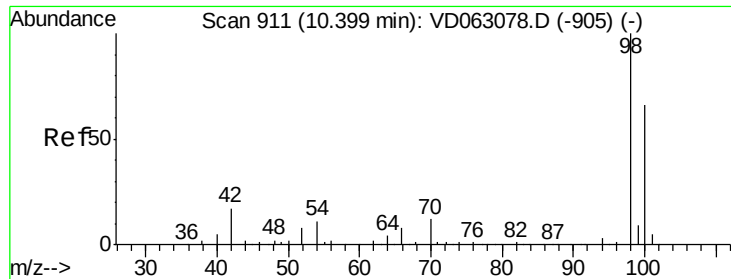
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.9	56.5#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 4.514 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063140.D
 Acq: 17 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	80.0	120.0#
121	0.0	25.0	37.4#

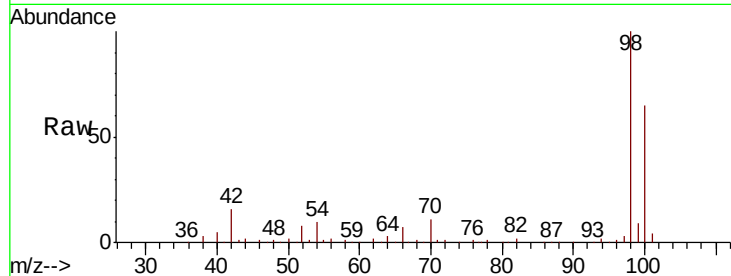




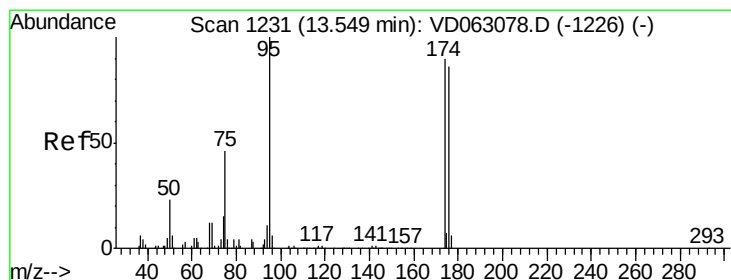
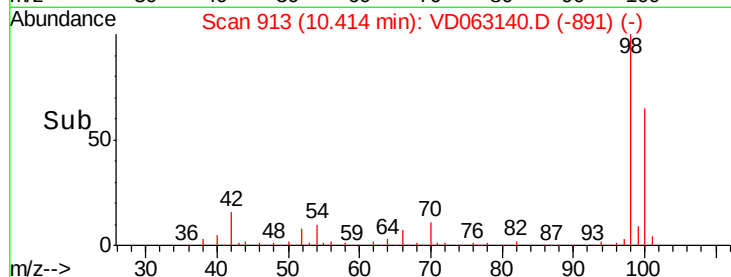
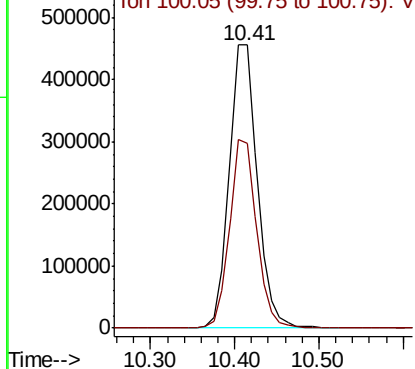
#50
Toluene-d8
Concen: 41.351 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063140.D
Acq: 17 Jul 2019 19:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1057229
Ion Ratio Lower Upper
98 100
100 65.4 53.5 80.3

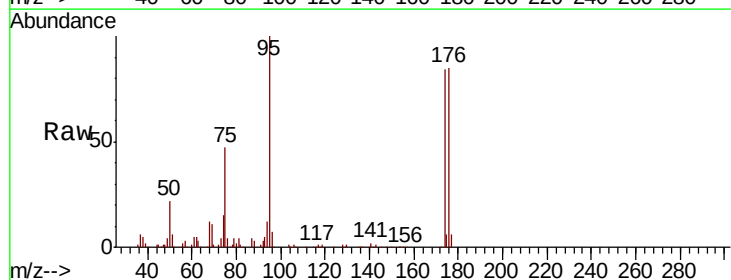


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

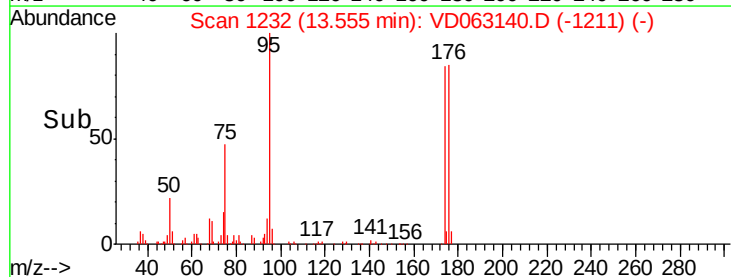
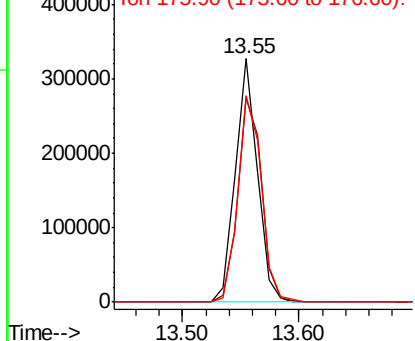


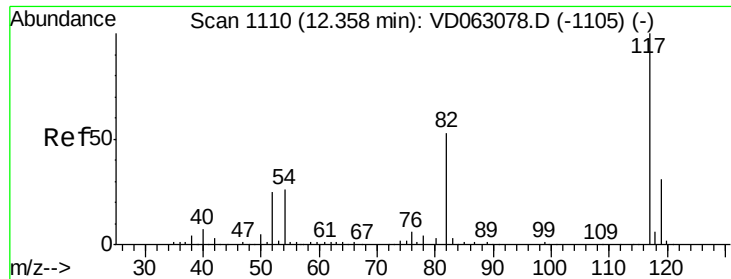
#62
4-Bromofluorobenzene
Concen: 36.227 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063140.D
Acq: 17 Jul 2019 19:18

Tgt Ion: 95 Resp: 428508
Ion Ratio Lower Upper
95 100
174 83.5 0.0 180.6
176 84.8 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

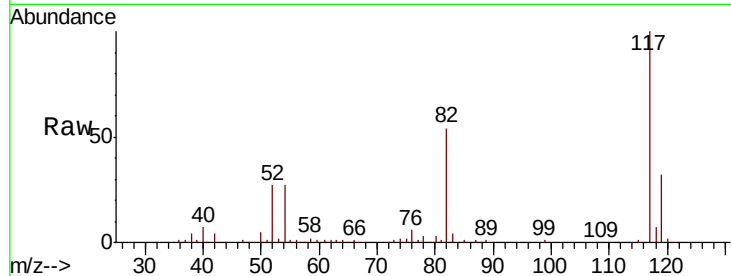




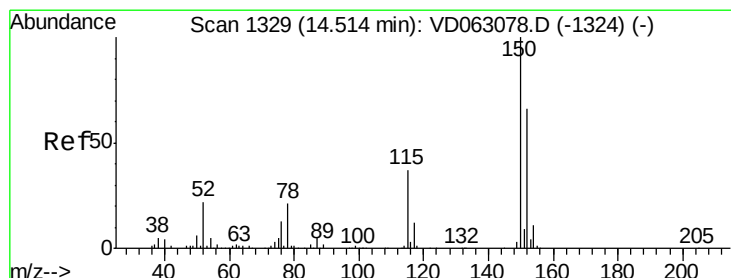
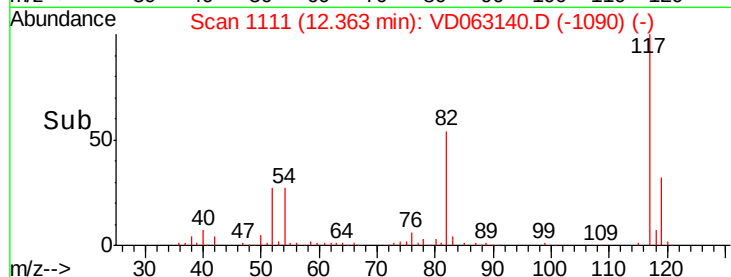
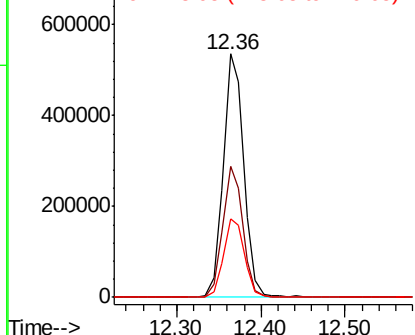
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063140.D
Acq: 17 Jul 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 900908
Ion Ratio Lower Upper
117 100
82 53.7 42.3 63.5
119 32.3 25.2 37.8

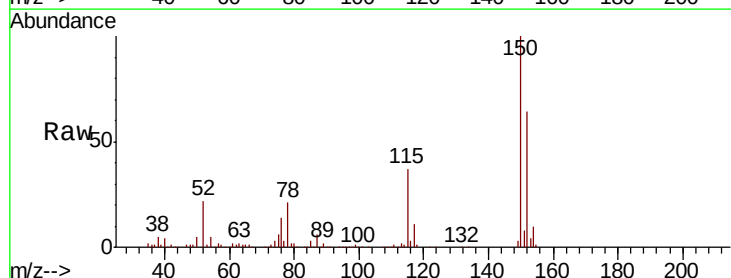


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

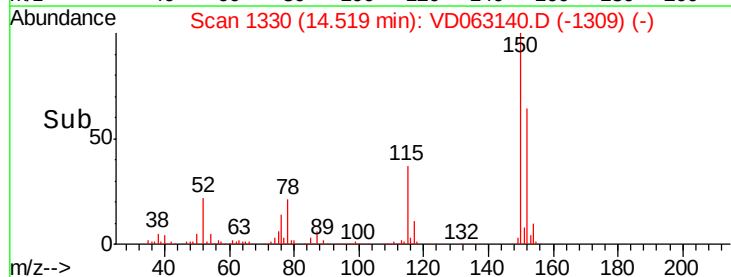
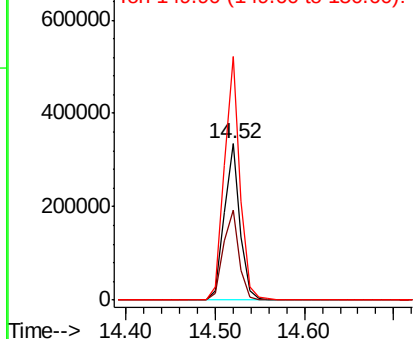


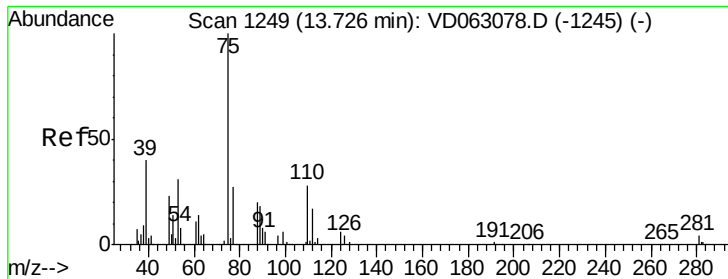
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063140.D
Acq: 17 Jul 2019 19:18

Tgt Ion:152 Resp: 416990
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.8
150 156.1 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: 22.242 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063140.D

Acq: 17 Jul 2019 19:18

Instrument :

MSVOA_D

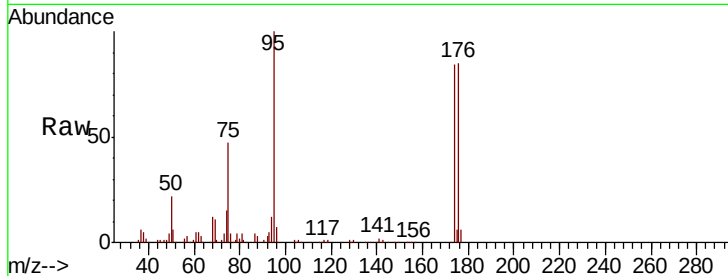
ClientSampleId :

Tot Ion: 75 Resp: 142670

Ion Ratio Lower Upper

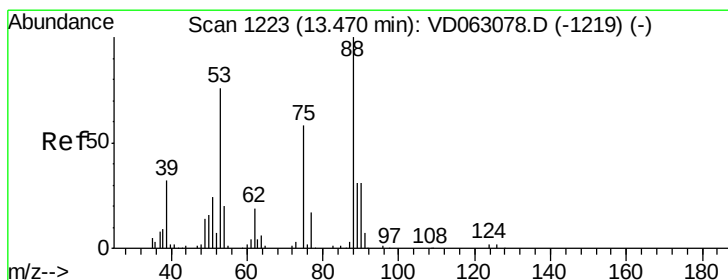
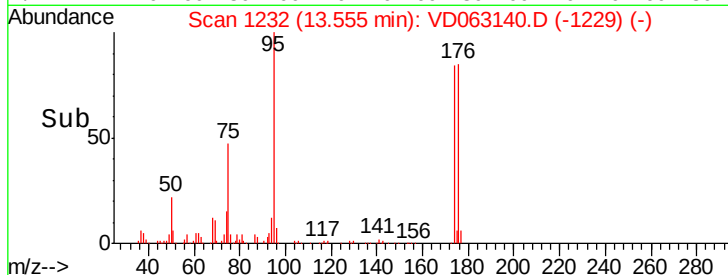
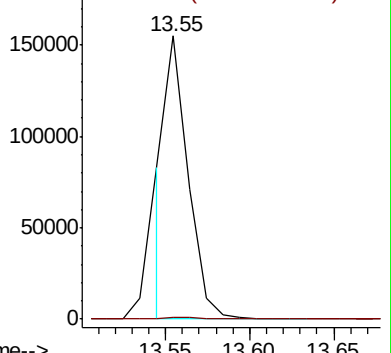
75 100

77 0.6 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: 117.385 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063140.D

Acq: 17 Jul 2019 19:18

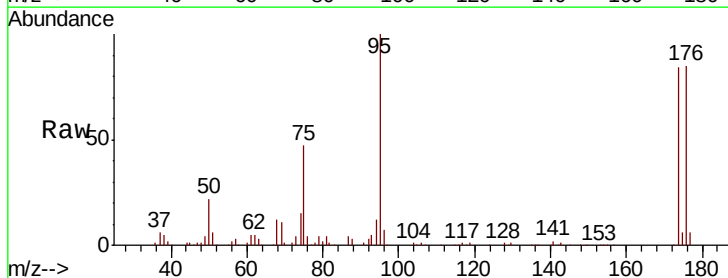
Tgt Ion: 75 Resp: 198285

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

