

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063155.D
 Acq On : 19 Jul 2019 15:51
 Operator : VA/AP
 Sample : K3835-06RE
 Misc : 6.05g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(6-8)RE

Quant Time: Jul 20 05:01:20 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	895072	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1229996	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1014065	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	565487	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	378437	33.94	ug/l	0.01
Spiked Amount 50.000			Recovery =	67.88%		
35) Dibromofluoromethane	6.93	113	411342	33.58	ug/l	0.01
Spiked Amount 50.000			Recovery =	67.16%		
50) Toluene-d8	10.41	98	815974	31.01	ug/l	0.01
Spiked Amount 50.000			Recovery =	62.02%		
62) 4-Bromofluorobenzene	13.55	95	388727	31.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	63.86%		

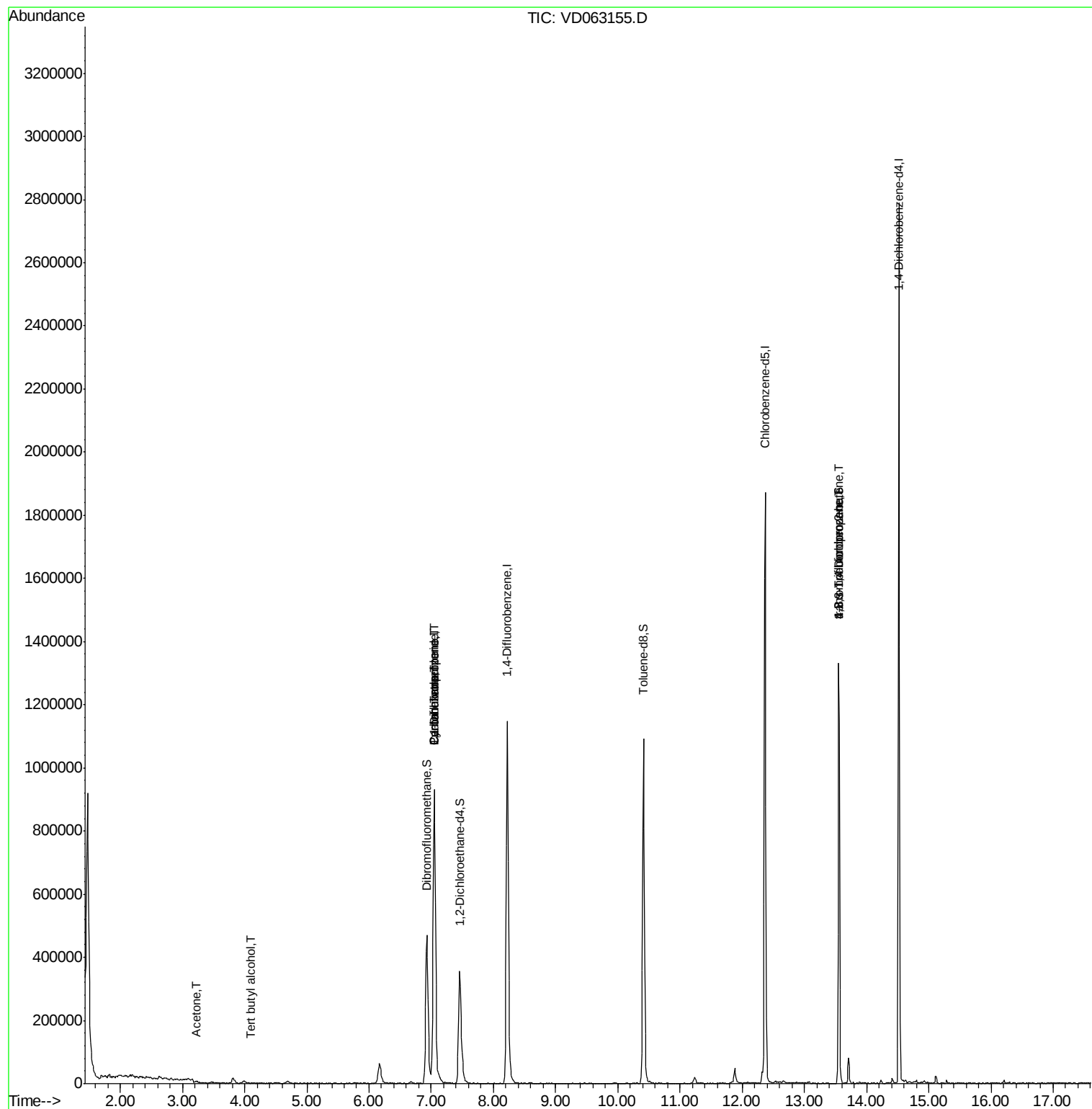
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	730	Below Cal	#	43
3) Chloromethane	1.75	50	412	Below Cal	#	48
5) Bromomethane	2.13	94	1398	Below Cal	#	13
11) Tert butyl alcohol	4.10	59	1045	1.624	ug/l #	77
16) Acetone	3.23	43	10012	3.718	ug/l #	62
18) Methyl Acetate	3.65	43	502	Below Cal	#	63
31) Cyclohexane	7.06	56	19736	1.859	ug/l #	17
36) 1,1-Dichloropropene	7.05	75	71485	5.168	ug/l #	47
38) Carbon Tetrachloride	7.05	117	89354	4.251	ug/l #	12
76) 1,2,3-Trichloropropane	13.55	75	145304	16.704	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	180654	78.863	ug/l #	1

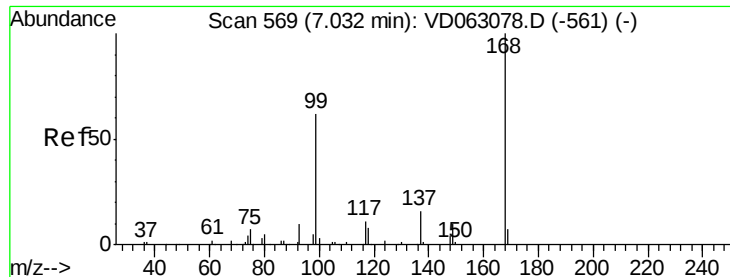
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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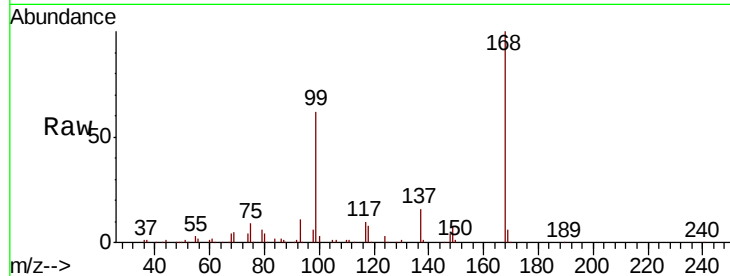


#1

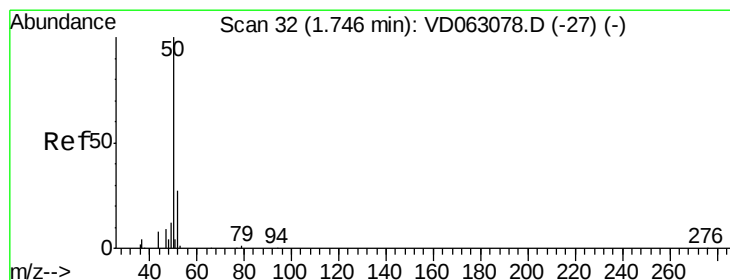
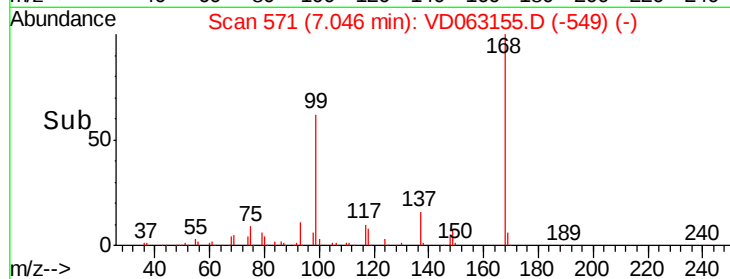
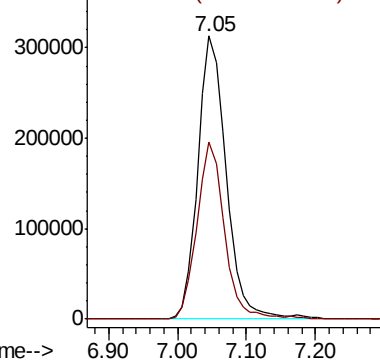
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VD063155.D
 Acq: 19 Jul 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(6-8)RE

Tot Ion:168 Resp: 895072
 Ion Ratio Lower Upper
 168 100
 99 62.5 50.8 76.2



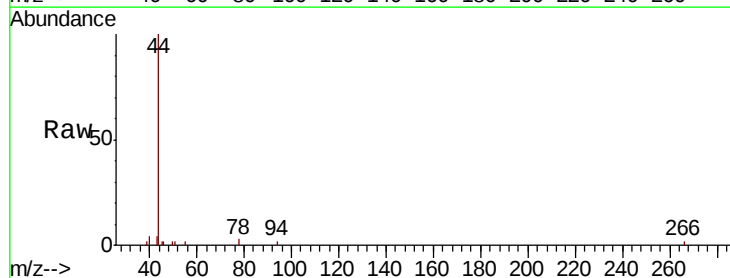
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



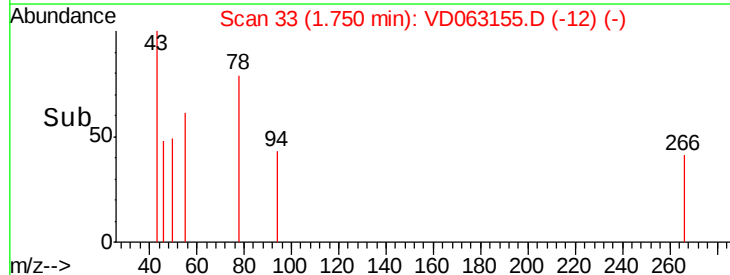
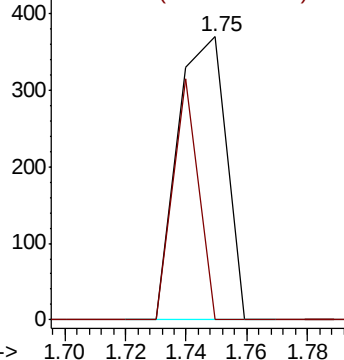
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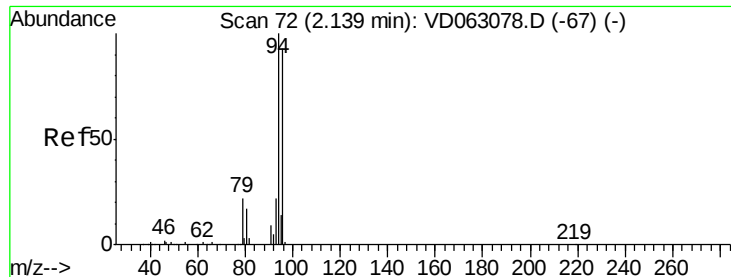
Chloromethane
 Concen: Below Cal
 RT: 1.75 min Scan# 33
 Delta R.T. 0.00 min
 Lab File: VD063155.D
 Acq: 19 Jul 2019 15:51

Tgt Ion: 50 Resp: 412
 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: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3(6-8)RE

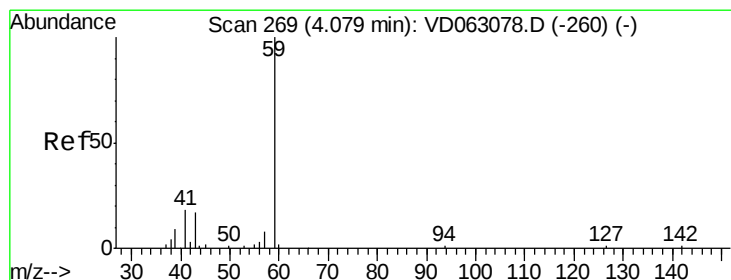
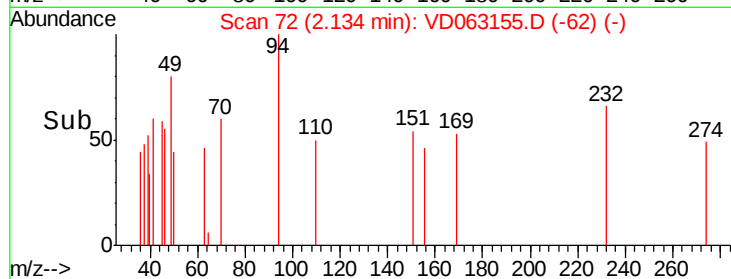
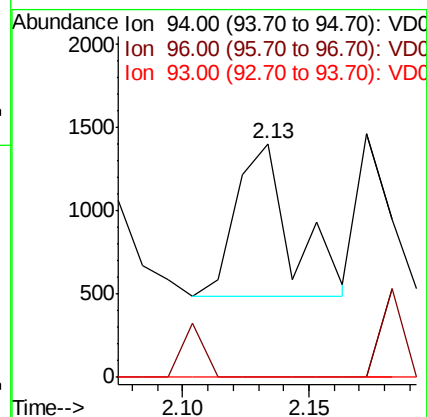
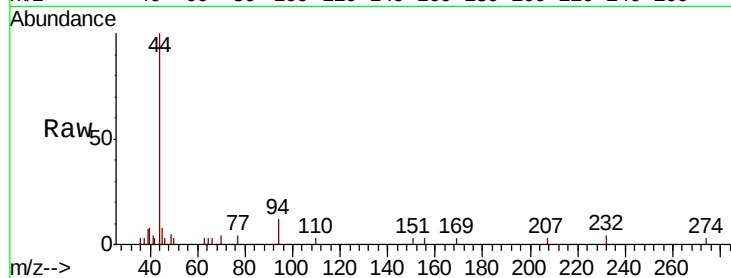
Tot Ion: 94 Resp: 1398

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 1.624 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.02 min

Lab File: VD063155.D

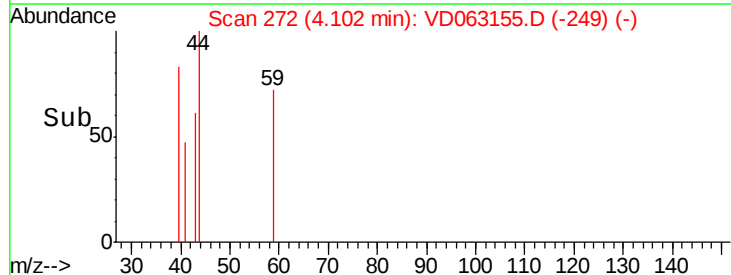
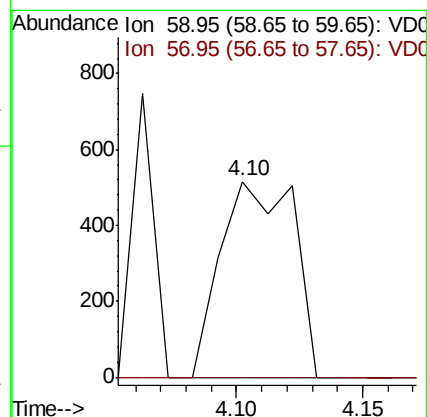
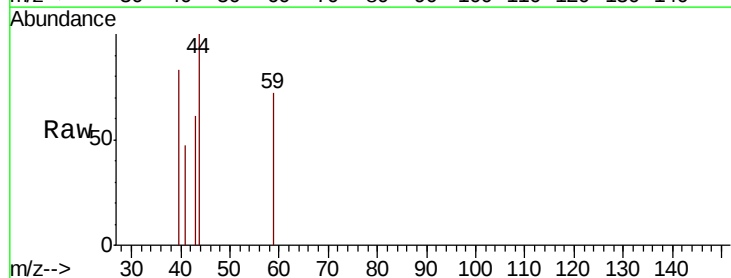
Acq: 19 Jul 2019 15:51

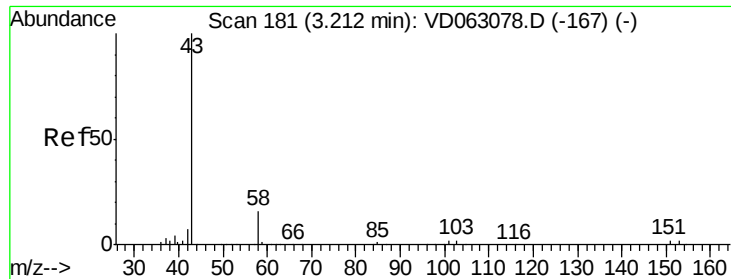
Tgt Ion: 59 Resp: 1045

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#16

Acetone

Concen: 3.718 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

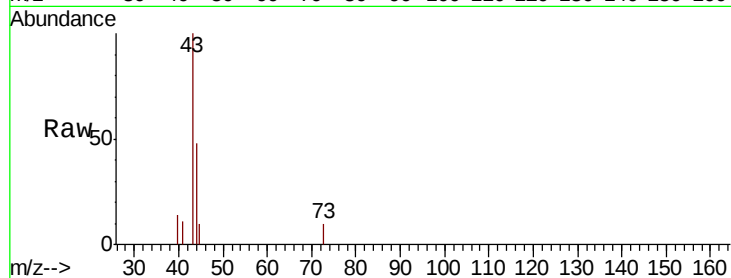
SB-3(6-8)RE

Tot Ion: 43 Resp: 10012

Ion Ratio Lower Upper

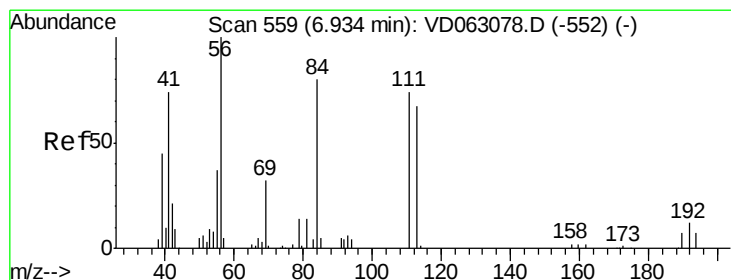
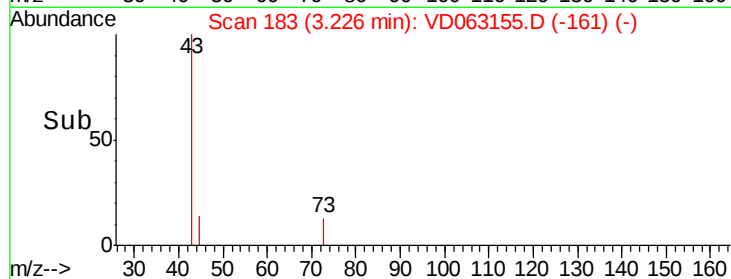
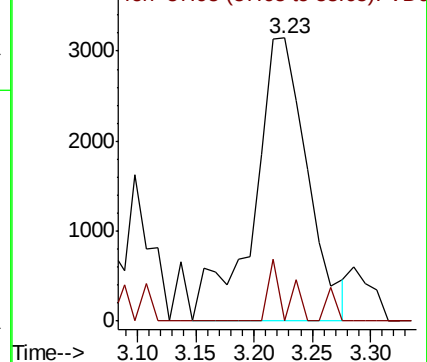
43 100

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



#31

Cyclohexane

Concen: 1.859 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

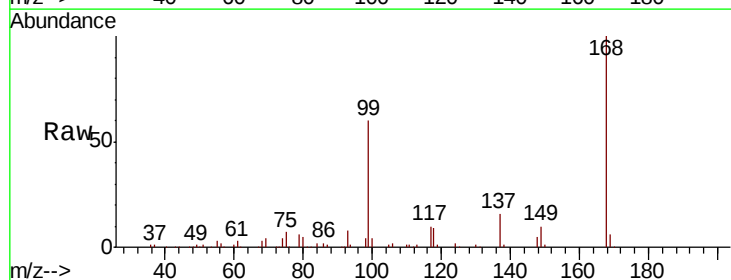
Tgt Ion: 56 Resp: 19736

Ion Ratio Lower Upper

56 100

69 177.3 25.3 37.9#

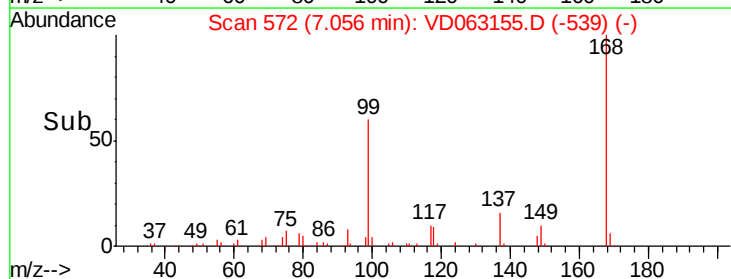
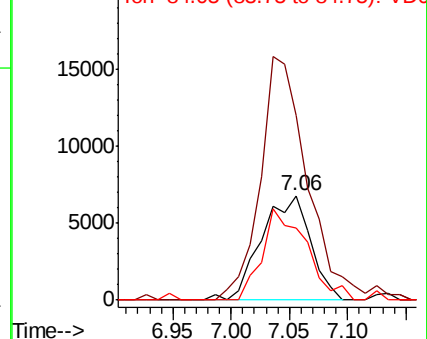
84 69.4 64.2 96.4

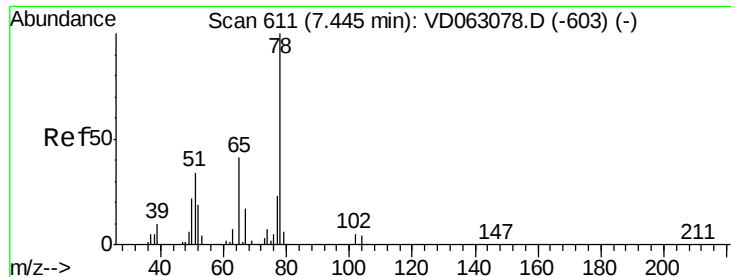


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 33.941 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

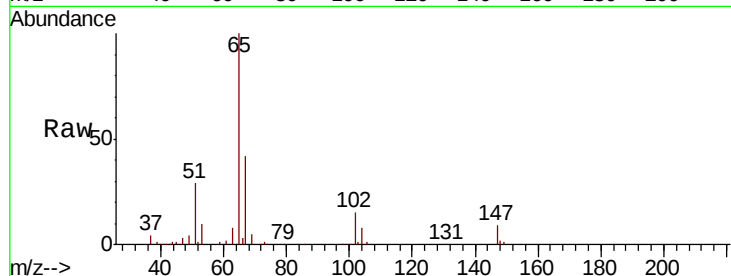
SB-3(6-8)RE

Tot Ion: 65 Resp: 378437

Ion Ratio Lower Upper

65 100

67 41.8 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

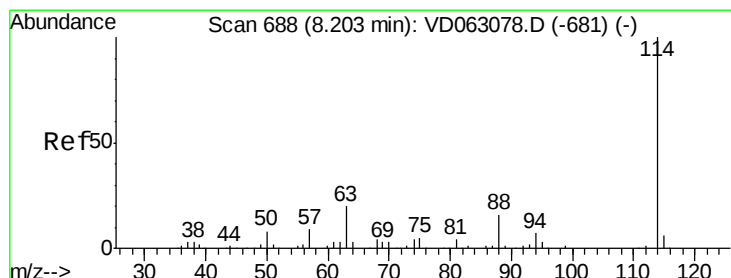
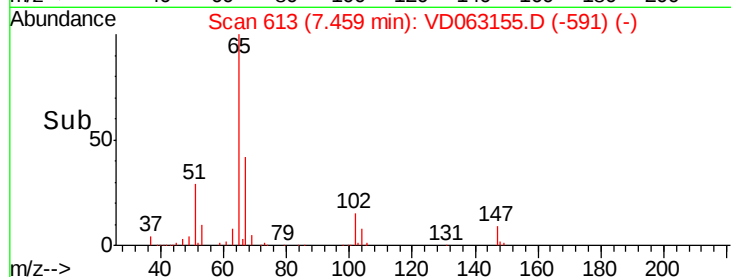
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

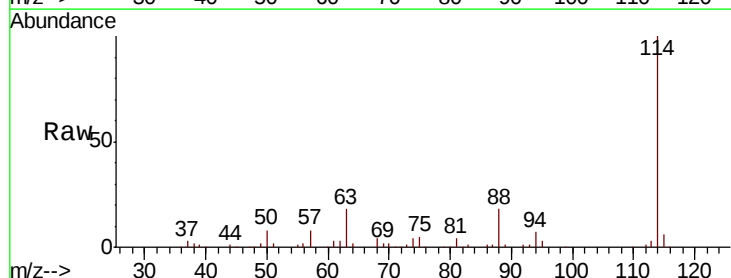
Tgt Ion: 114 Resp: 1229996

Ion Ratio Lower Upper

114 100

63 17.6 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): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

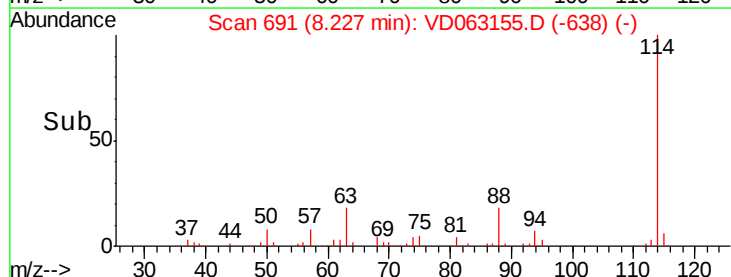
600000

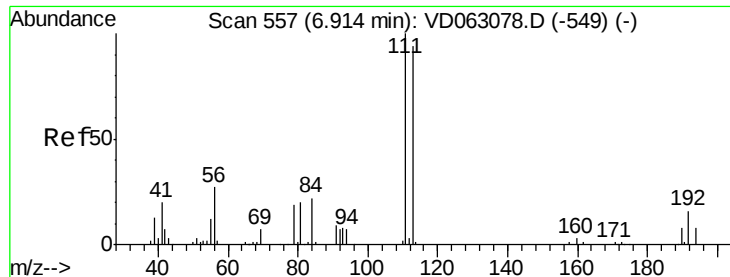
400000

200000

0

Time--> 8.10 8.20 8.30 8.40

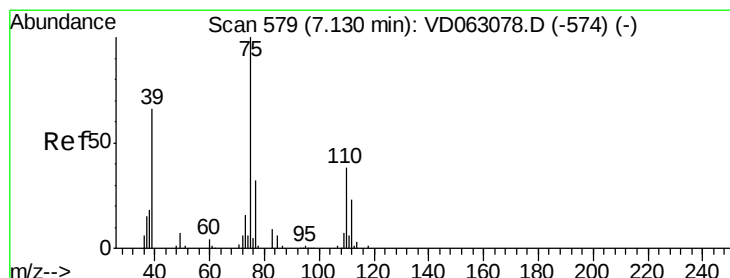
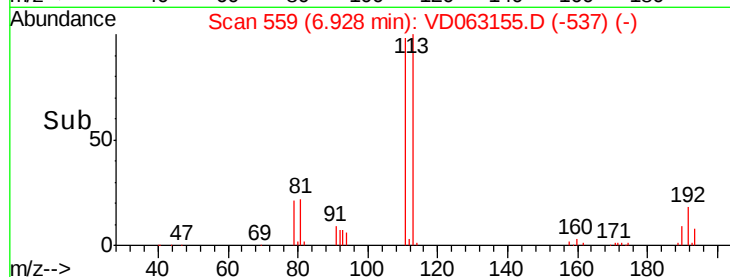
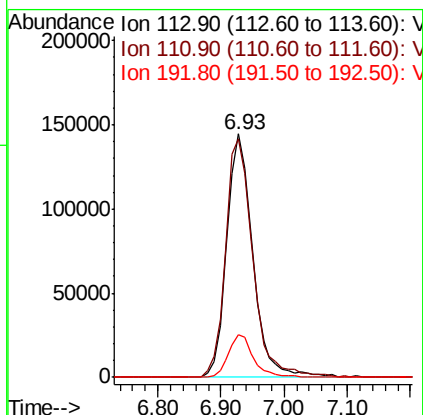
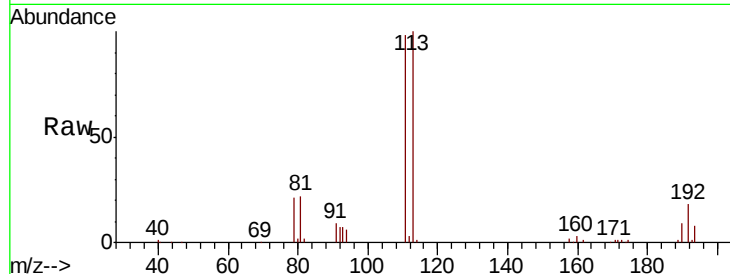




#35
 Dibromofluoromethane
 Concen: 33.576 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD063155.D
 Acq: 19 Jul 2019 15:51

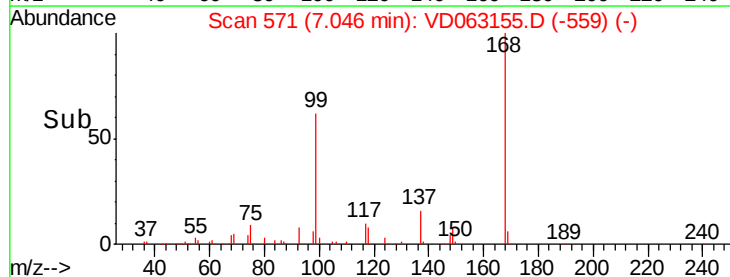
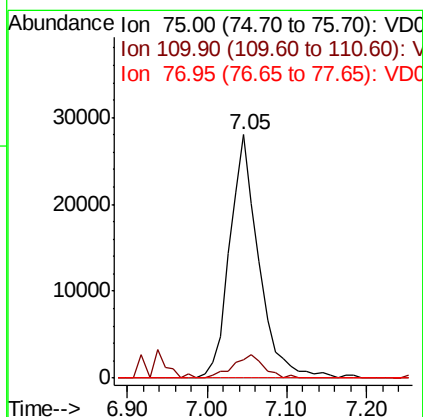
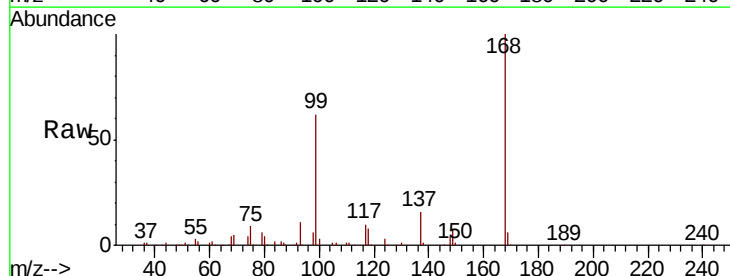
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(6-8)RE

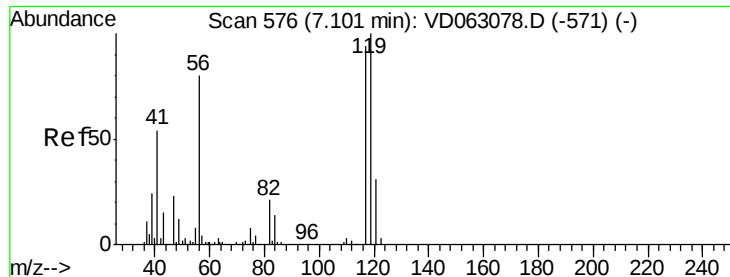
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.1	84.8	127.2
192	17.6	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063155.D
 Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.9	56.5#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 4.251 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.06 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3(6-8)RE

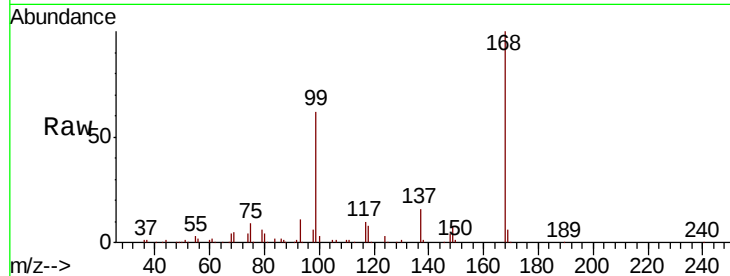
Tot Ion:117 Resp: 89354

Ion Ratio Lower Upper

117 100

119 2.8 80.0 120.0#

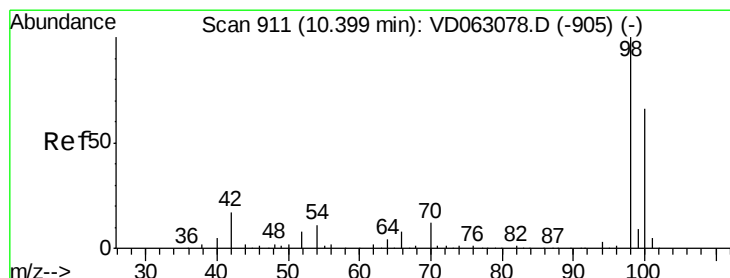
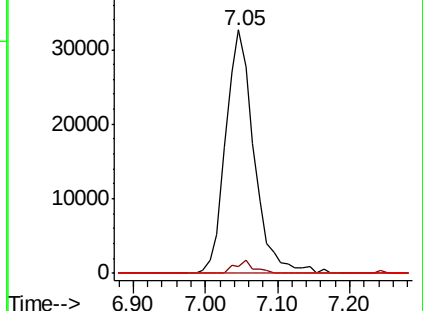
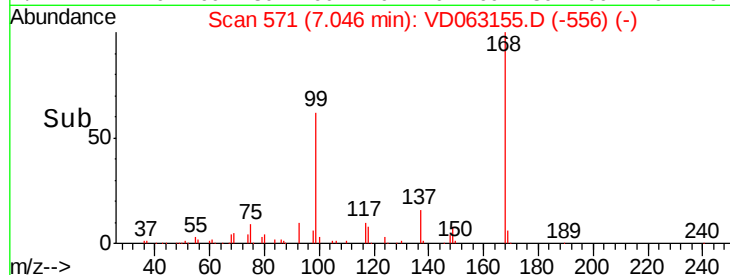
121 0.0 25.0 37.4#



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: 31.008 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063155.D

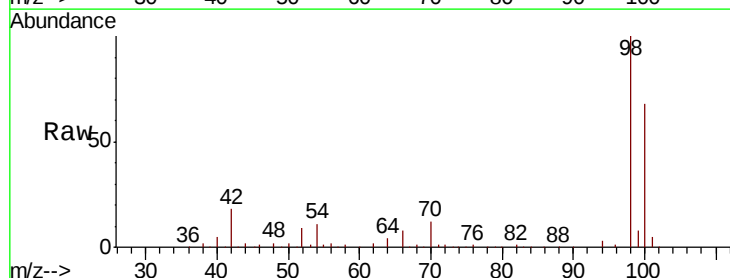
Acq: 19 Jul 2019 15:51

Tgt Ion: 98 Resp: 815974

Ion Ratio Lower Upper

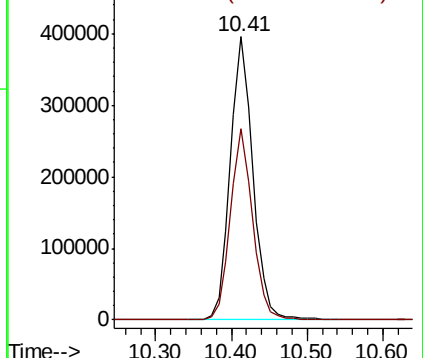
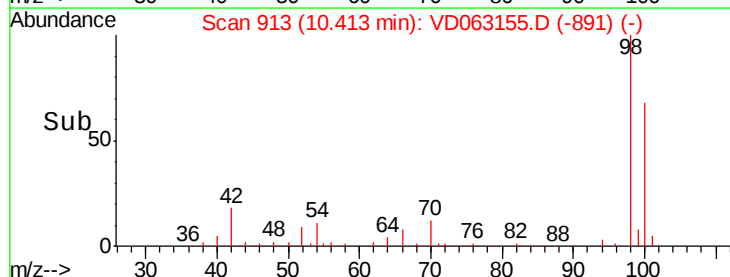
98 100

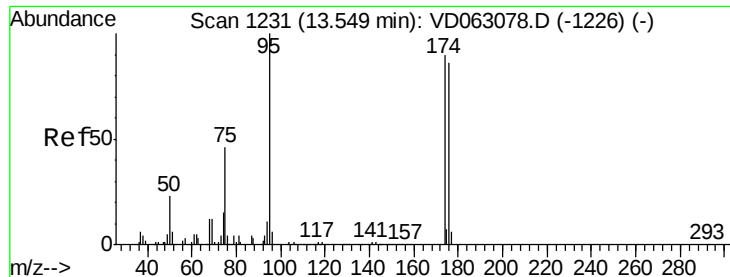
100 67.6 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

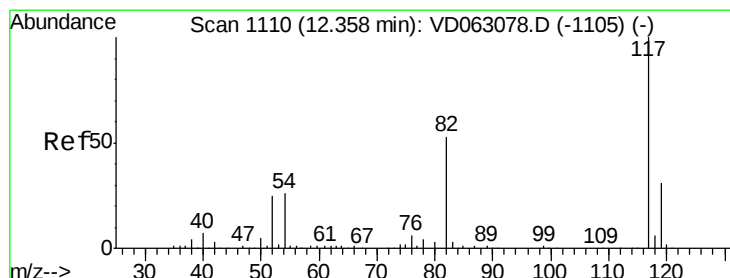
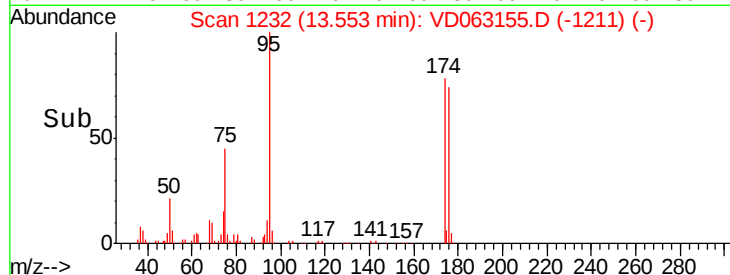
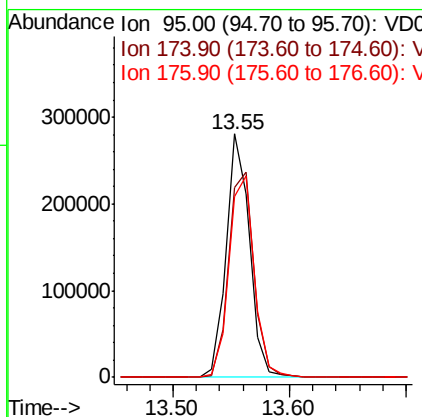
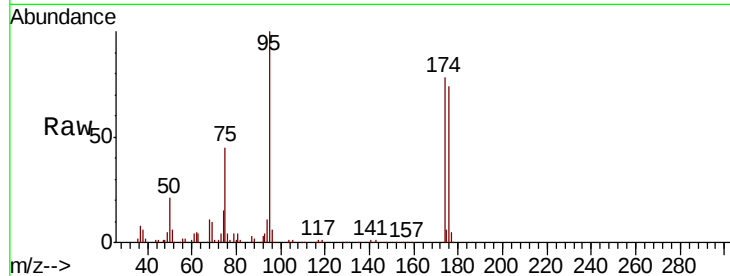




#62
4-Bromofluorobenzene
Concen: 31.930 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063155.D
Acq: 19 Jul 2019 15:51

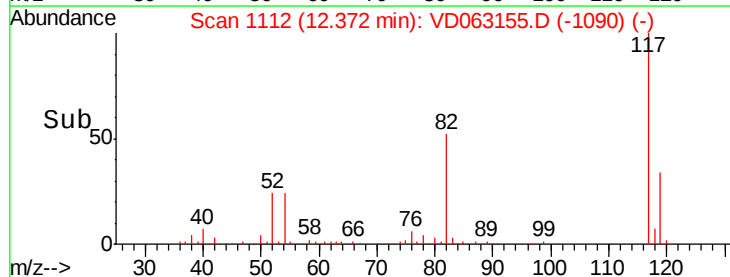
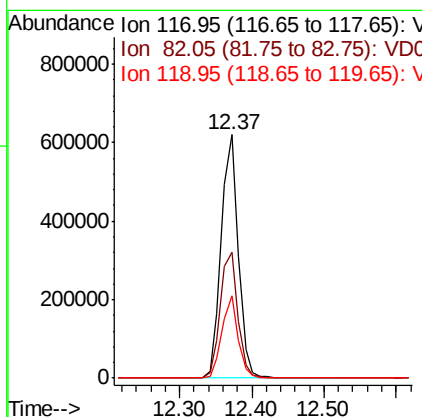
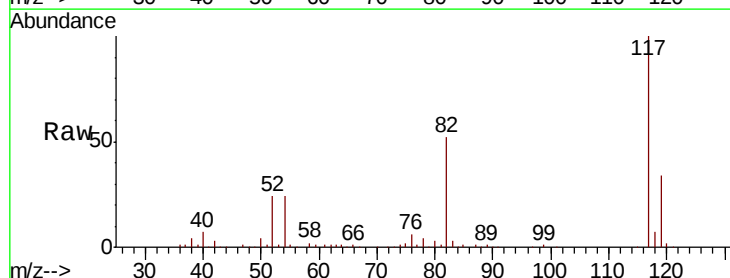
Instrument :
MSVOA_D
ClientSampleId :
SB-3(6-8)RE

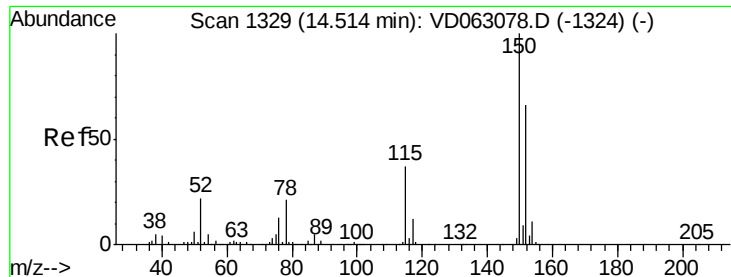
Tot Ion: 95 Resp: 388727
Ion Ratio Lower Upper
95 100
174 78.2 0.0 180.6
176 74.4 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063155.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 117 Resp: 1014065
Ion Ratio Lower Upper
117 100
82 51.8 42.3 63.5
119 34.1 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: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3(6-8)RE

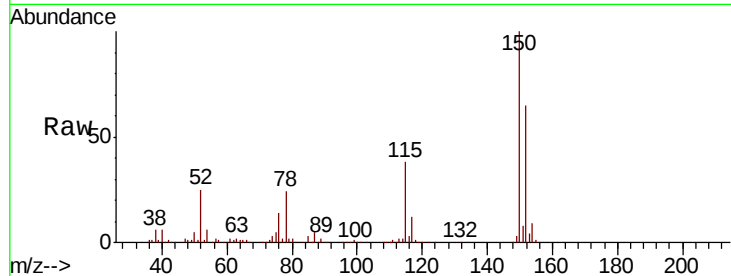
Tot Ion:152 Resp: 565487

Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.8

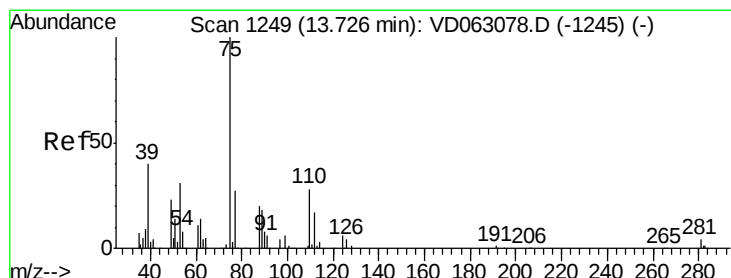
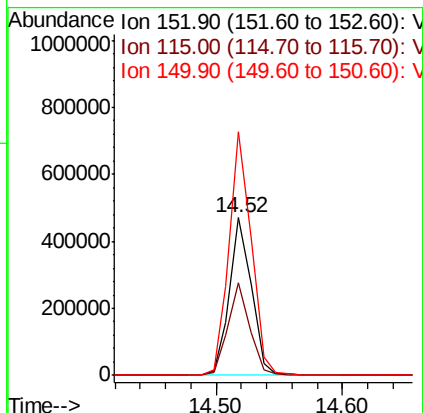
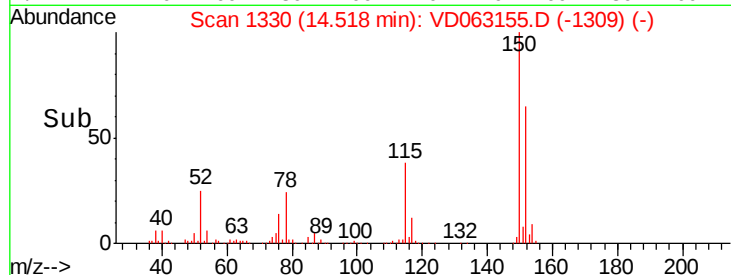
150 154.6 0.0 313.8



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: 16.704 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063155.D

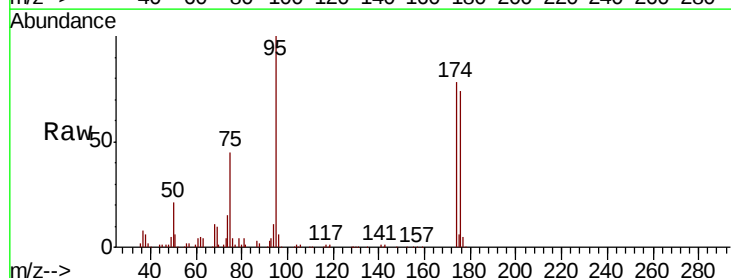
Acq: 19 Jul 2019 15:51

Tgt Ion: 75 Resp: 145304

Ion Ratio Lower Upper

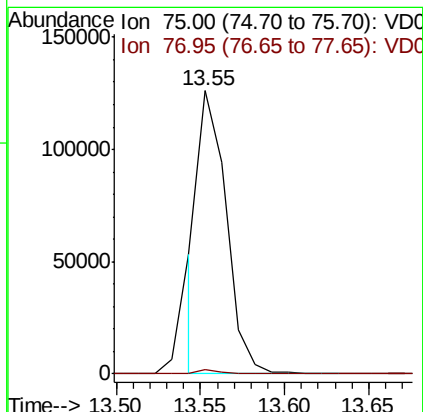
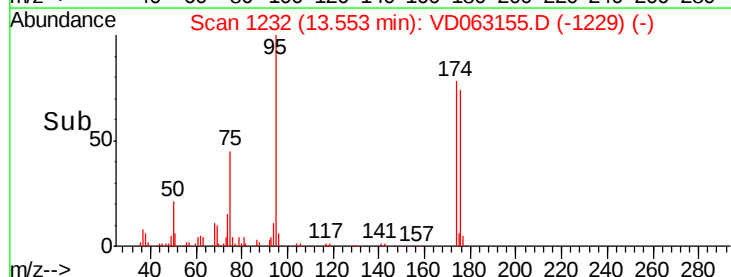
75 100

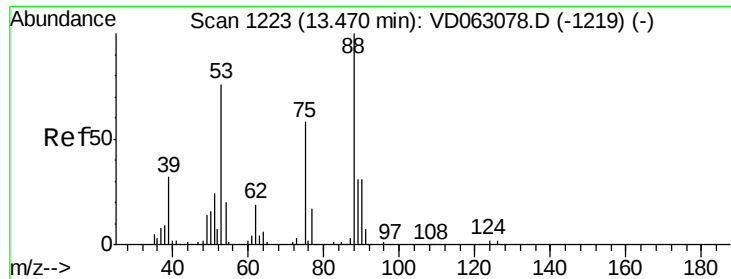
77 1.3 16.3 48.8#



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: 78.863 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3(6-8)RE

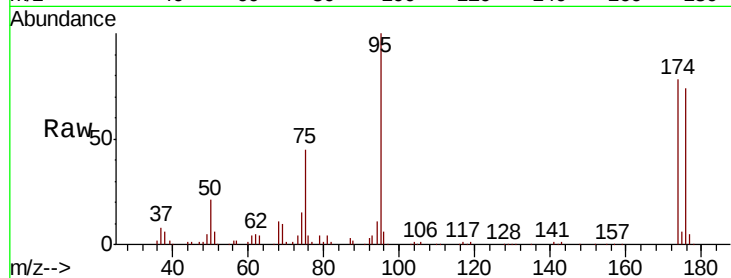
Tot Ion: 75 Resp: 180654

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

