

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063256.D
 Acq On : 30 Jul 2019 23:43
 Operator : VA/AP
 Sample : VD0730SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBL02

Quant Time: Jul 31 04:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	998530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1427820	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1233080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	619020	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	548969	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
35) Dibromofluoromethane	6.91	113	616913	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.40	98	1377707	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	13.55	95	561402	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

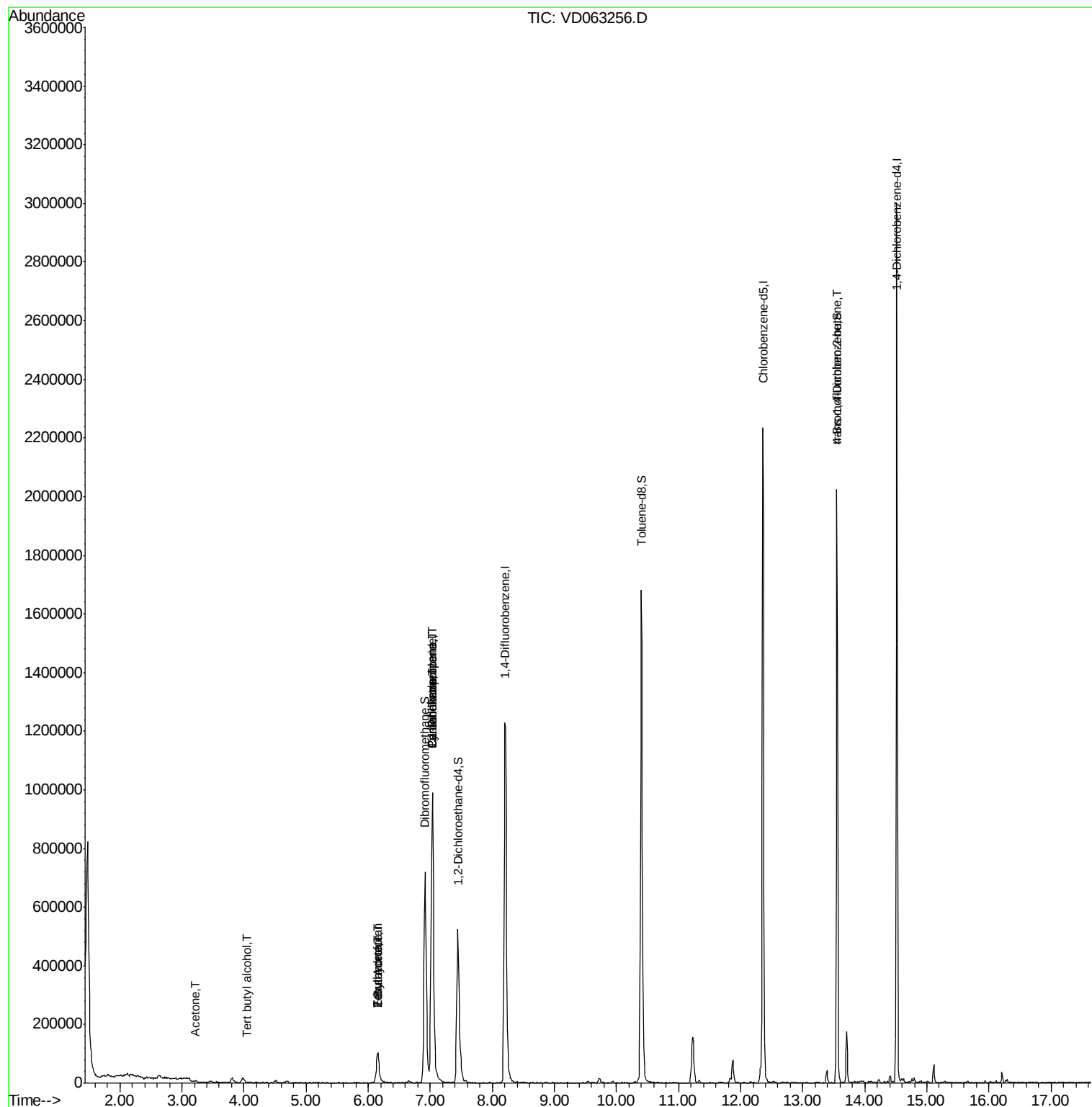
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	1218	2.505	ug/l #	69
16) Acetone	3.22	43	7562	3.503	ug/l #	90
25) 2-Butanone	6.15	43	10675	4.927	ug/l #	56
29) Tetrahydrofuran	6.15	42	2590	2.525	ug/l #	33
31) Cyclohexane	7.03	56	22821	2.312	ug/l #	9
36) 1,1-Dichloropropene	7.03	75	78226	6.003	ug/l #	51
37) Ethyl Acetate	6.15	43	10674	1.823	ug/l #	9
38) Carbon Tetrachloride	7.03	117	101886	5.194	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	255468	123.737	ug/l #	3

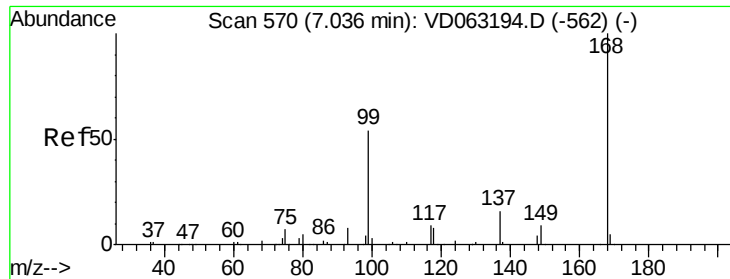
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId :
VD0730SBL02

Quant Time: Jul 31 04:59:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

Instrument :

MSVOA_D

ClientSampleId :

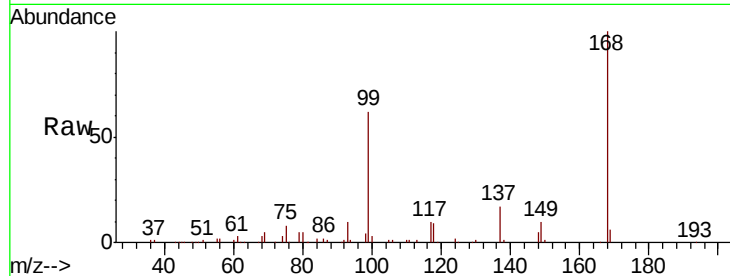
VD0730SBL02

Tot Ion:168 Resp: 998530

Ion Ratio Lower Upper

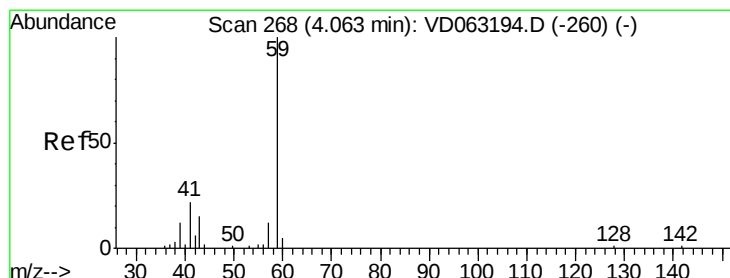
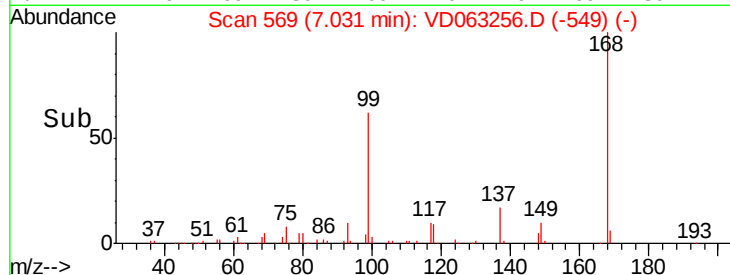
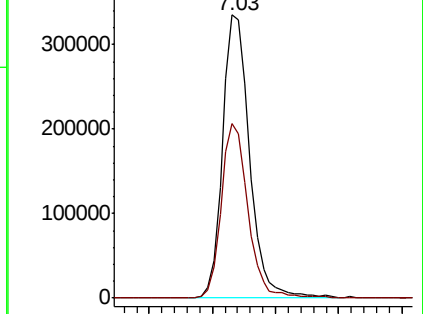
168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.505 ug/l

RT: 4.05 min Scan# 266

Delta R.T. -0.01 min

Lab File: VD063256.D

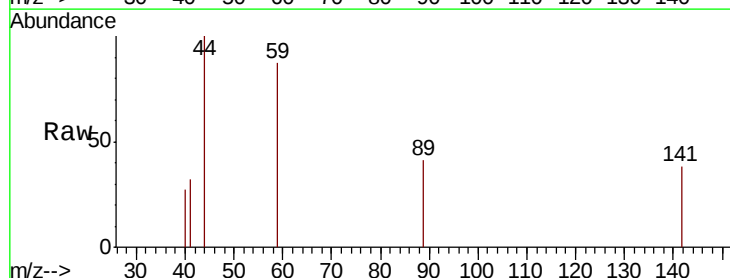
Acq: 30 Jul 2019 23:43

Tgt Ion: 59 Resp: 1218

Ion Ratio Lower Upper

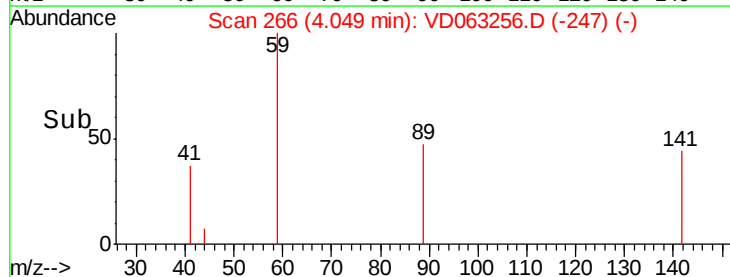
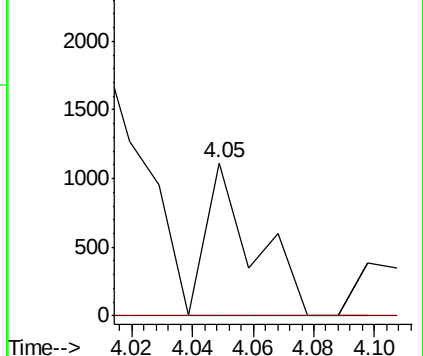
59 100

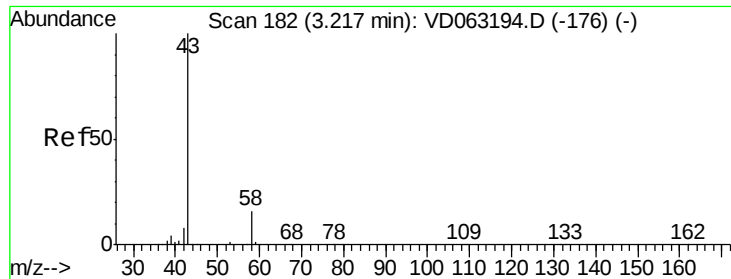
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 3.503 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

Instrument :

MSVOA_D

ClientSampleId :

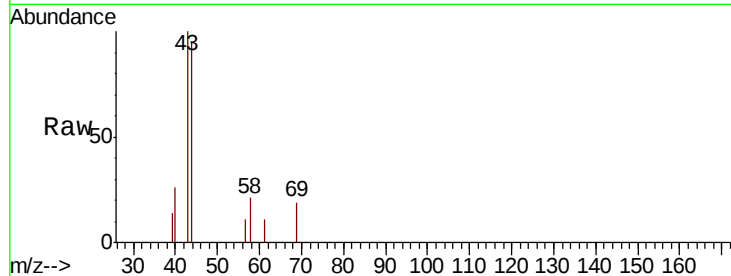
VD0730SBL02

Tot Ion: 43 Resp: 7562

Ion Ratio Lower Upper

43 100

58 20.6 13.0 19.4#



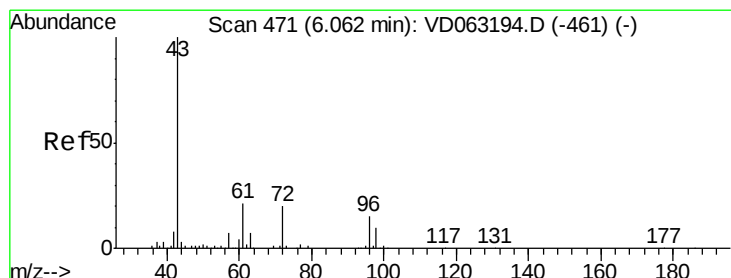
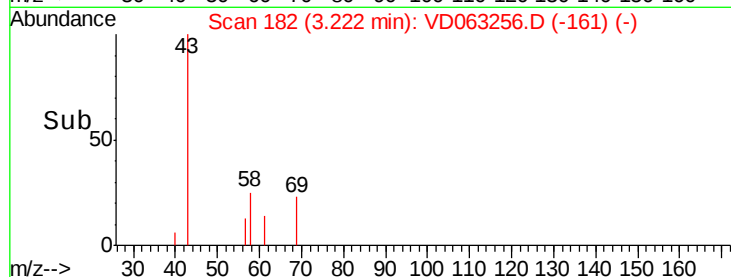
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

3.15 3.20 3.25

Time-->



#25

2-Butanone

Concen: 4.927 ug/l

RT: 6.15 min Scan# 479

Delta R.T. 0.08 min

Lab File: VD063256.D

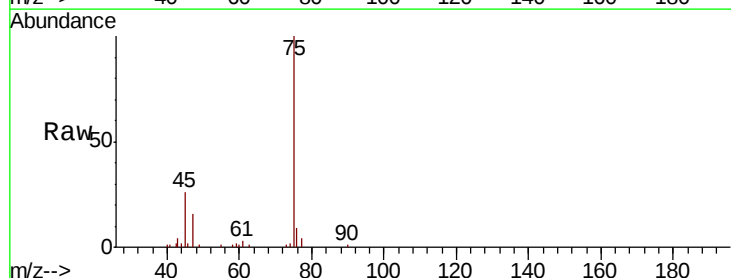
Acq: 30 Jul 2019 23:43

Tgt Ion: 43 Resp: 10675

Ion Ratio Lower Upper

43 100

72 0.0 16.3 24.5#



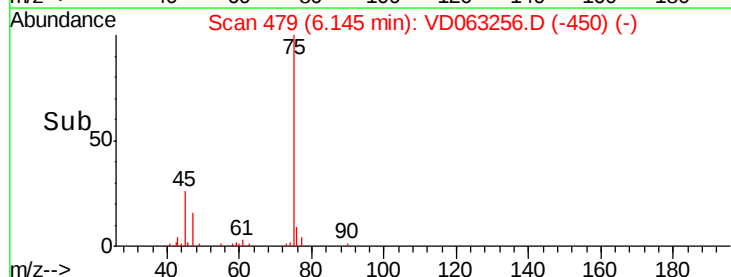
Abundance Ion 42.95 (42.65 to 43.65): VDC

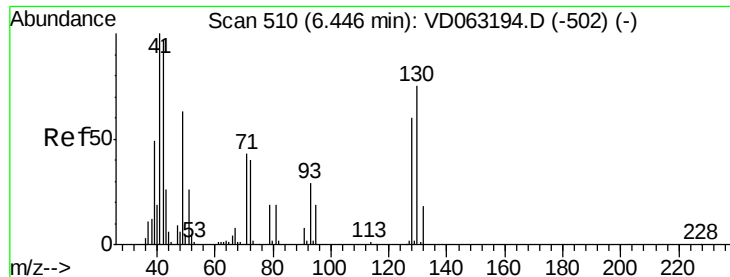
Ion 72.00 (71.70 to 72.70): VDC

6.15

6.00 6.10 6.20

Time-->





#29

Tetrahydrofuran

Concen: 2.525 ug/l

RT: 6.15 min Scan# 479

Delta R.T. -0.30 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBL02

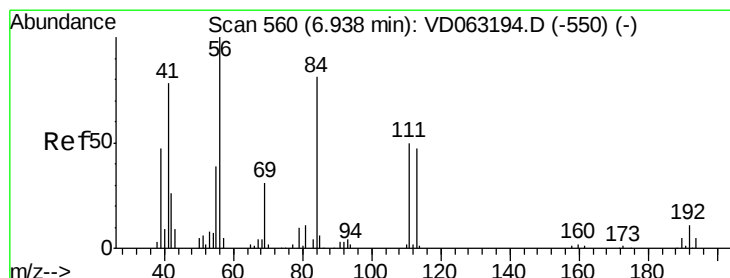
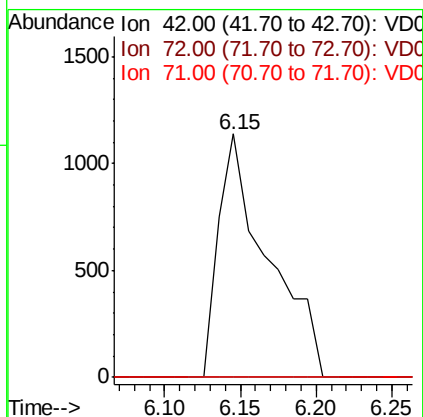
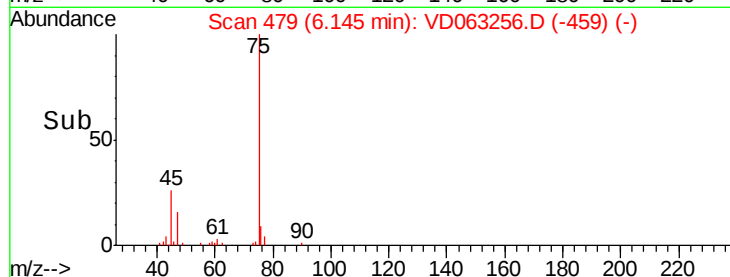
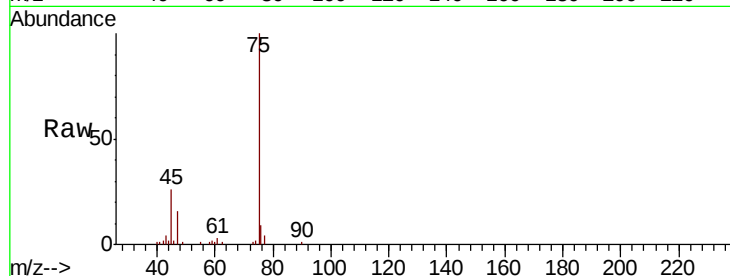
Tot Ion: 42 Resp: 2590

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 0.0 35.7 53.5#



#31

Cyclohexane

Concen: 2.312 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

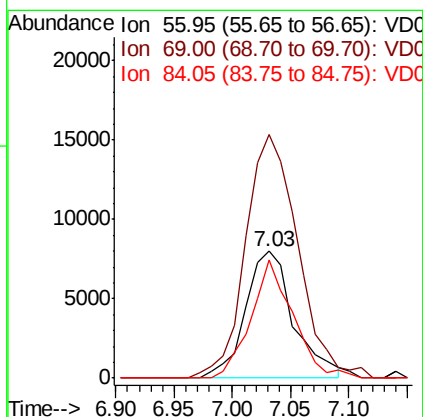
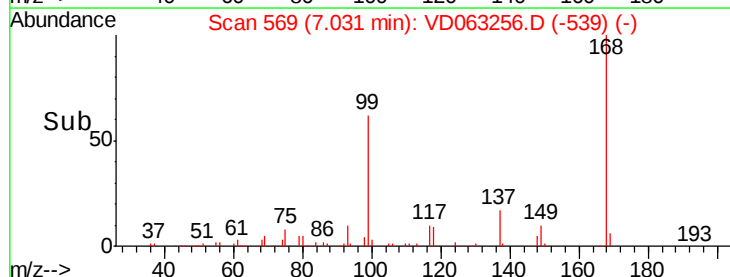
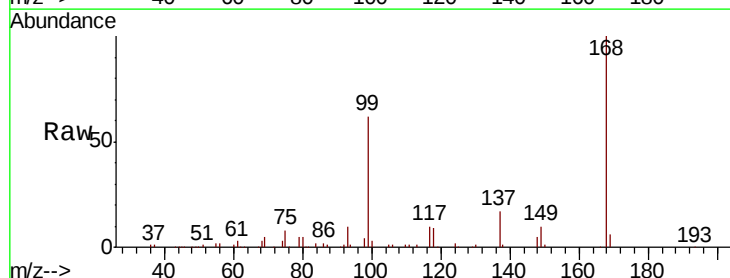
Tgt Ion: 56 Resp: 22821

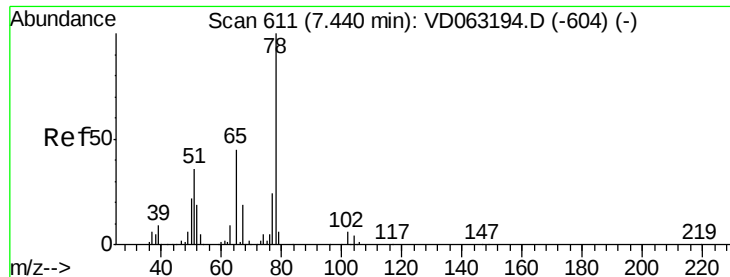
Ion Ratio Lower Upper

56 100

69 192.2 24.5 36.7#

84 93.1 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 49.548 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

Instrument :

MSVOA_D

ClientSampleId :

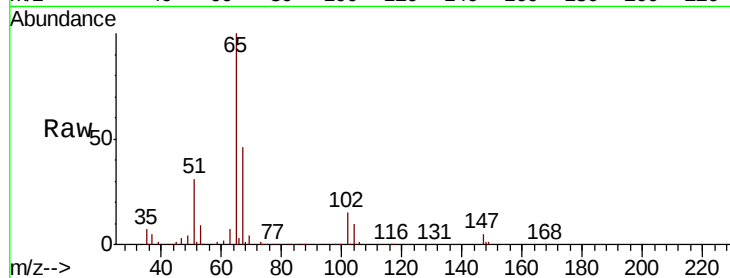
VD0730SBL02

Tot Ion: 65 Resp: 548969

Ion Ratio Lower Upper

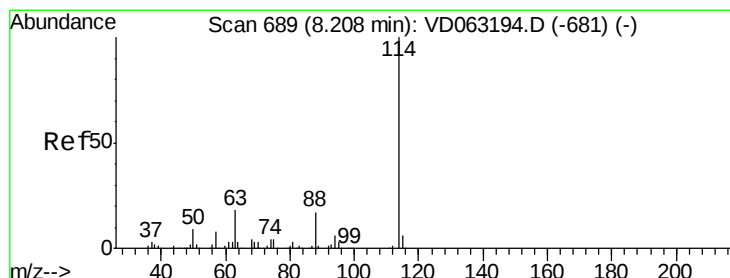
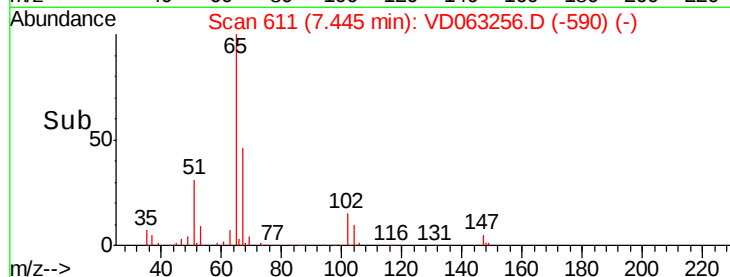
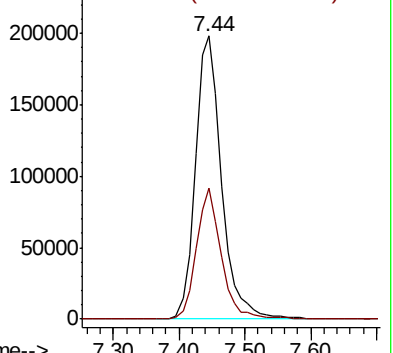
65 100

67 46.4 0.0 85.8



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: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

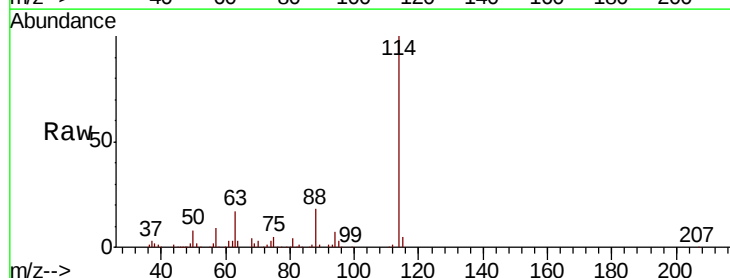
Tgt Ion: 114 Resp: 1427820

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.2

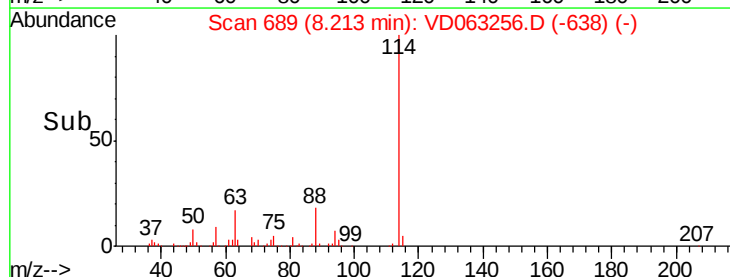
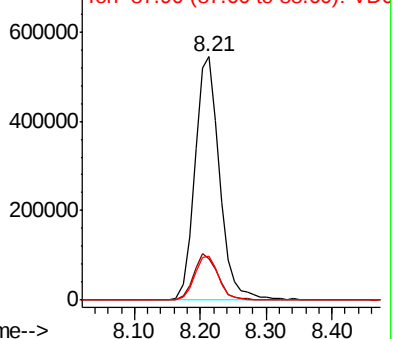
88 17.8 0.0 34.6

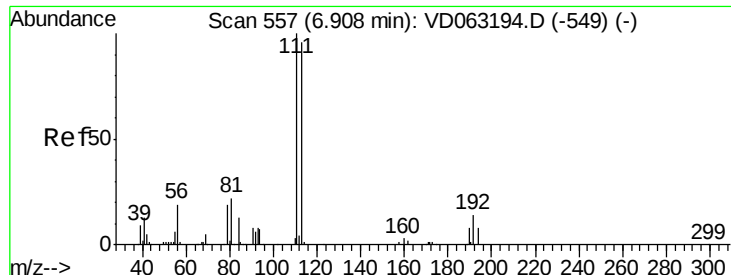


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

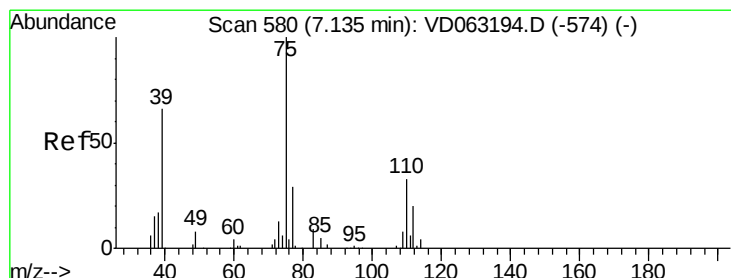
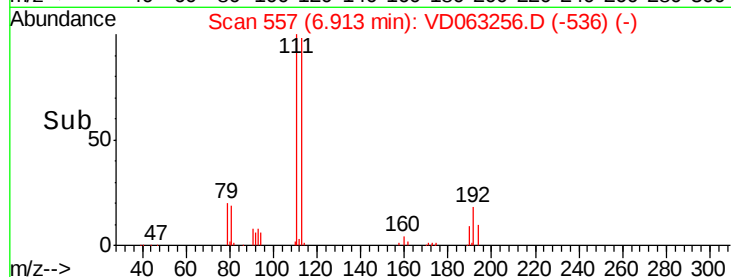
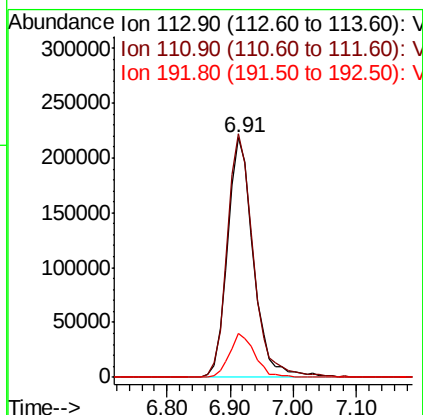
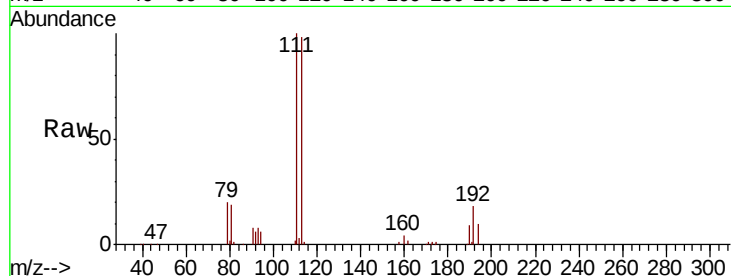




#35
 Dibromofluoromethane
 Concen: 50.606 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD063256.D
 Acq: 30 Jul 2019 23:43

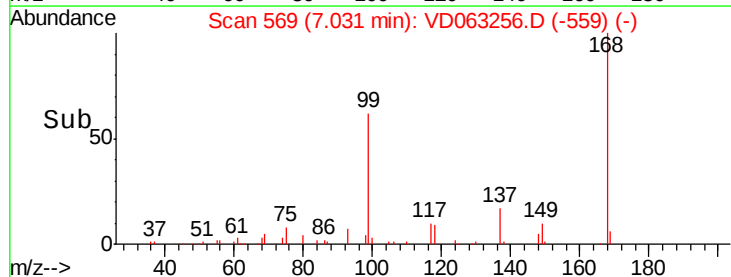
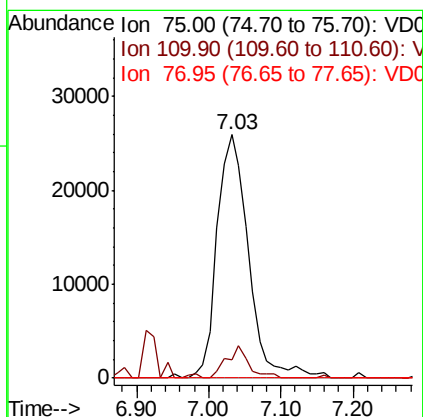
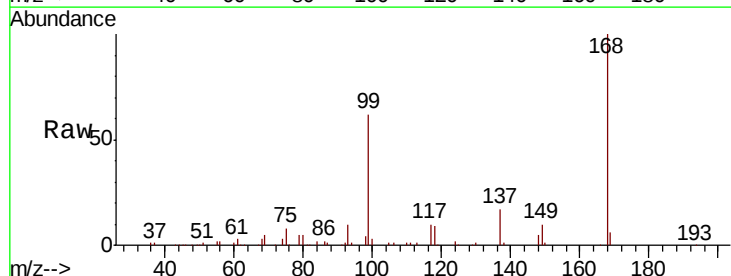
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBL02

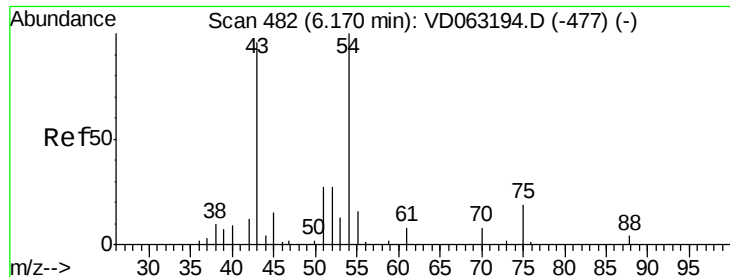
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.2	124.8
192	18.3	11.8	17.8#



#36
 1,1-Dichloropropene
 Concen: 6.003 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063256.D
 Acq: 30 Jul 2019 23:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.1	48.2#
77	0.0	22.7	34.1#





#37

Ethyl Acetate

Concen: 1.823 ug/l

RT: 6.15 min Scan# 479

Delta R.T. -0.02 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBL02

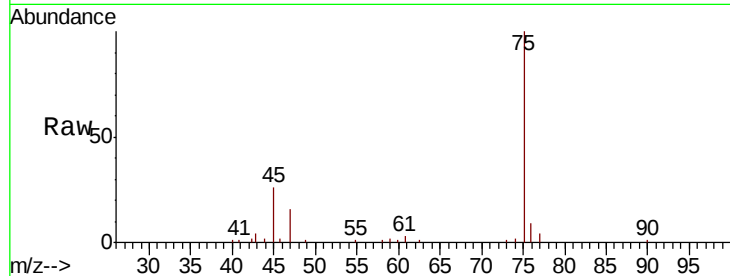
Tot Ion: 43 Resp: 10674

Ion Ratio Lower Upper

43 100

61 64.8 11.3 16.9#

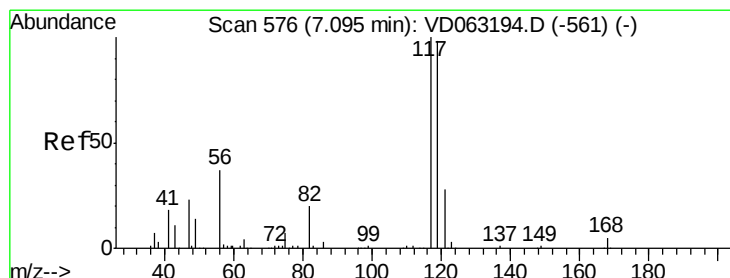
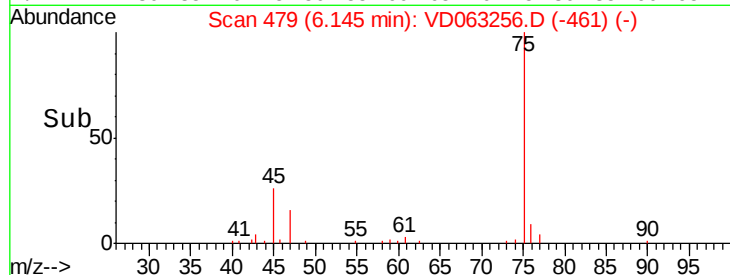
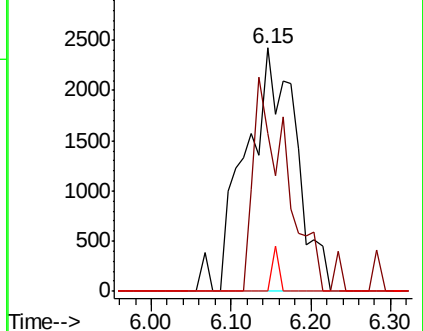
70 0.0 5.1 7.7#



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: 5.194 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

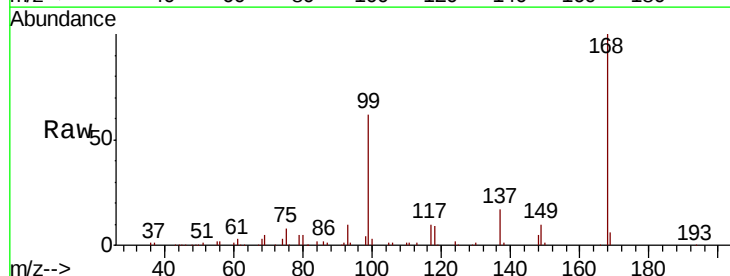
Tgt Ion: 117 Resp: 101886

Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.2#

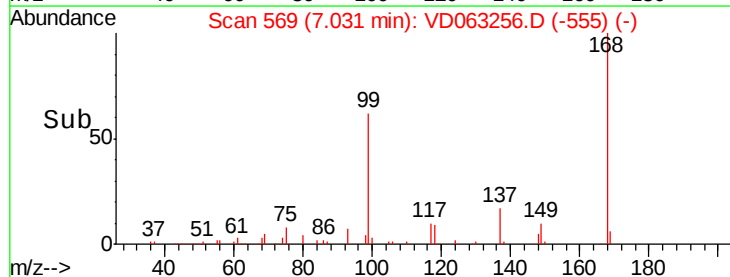
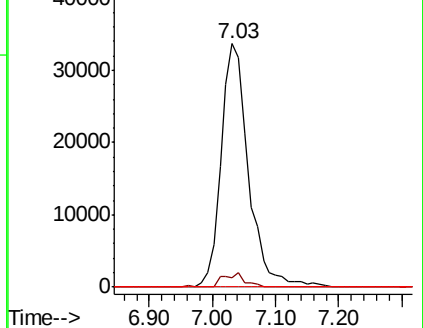
121 0.0 22.1 33.1#

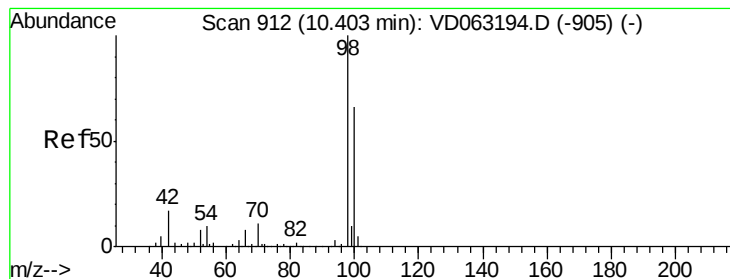


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 50.498 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

Instrument :

MSVOA_D

ClientSampleId :

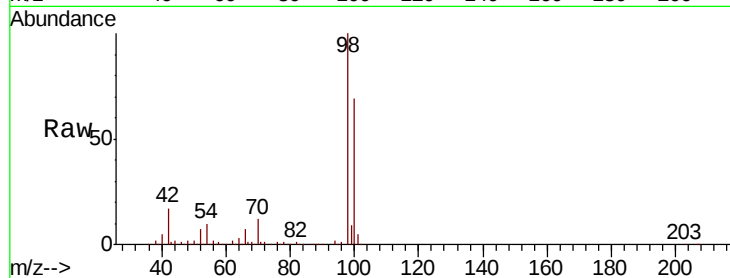
VD0730SBL02

Tot Ion: 98 Resp: 1377707

Ion Ratio Lower Upper

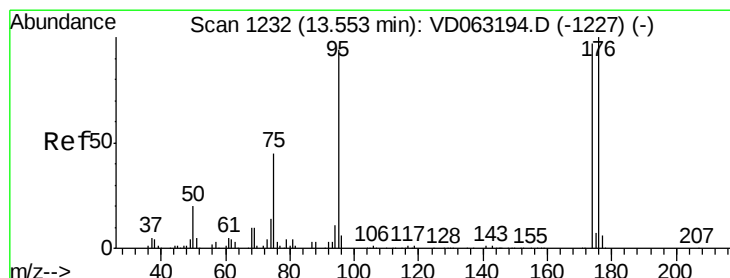
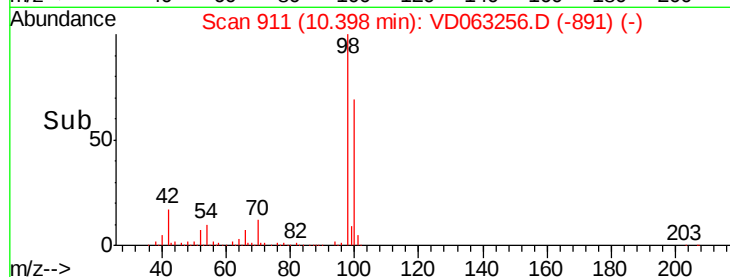
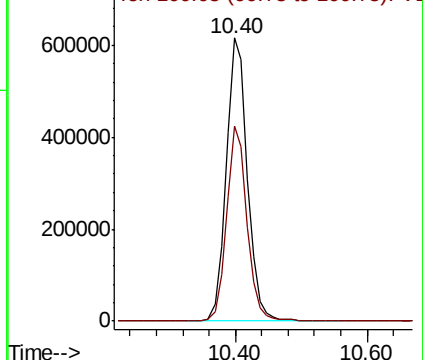
98 100

100 68.9 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 45.156 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

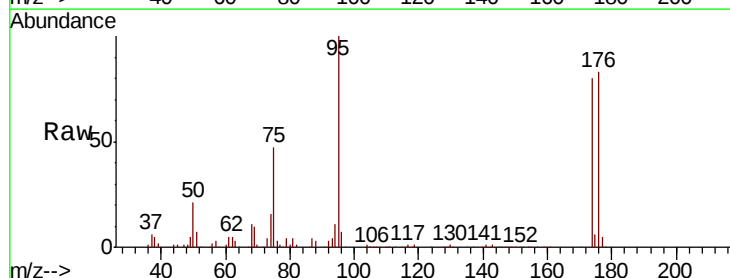
Tgt Ion: 95 Resp: 561402

Ion Ratio Lower Upper

95 100

174 80.4 0.0 205.4

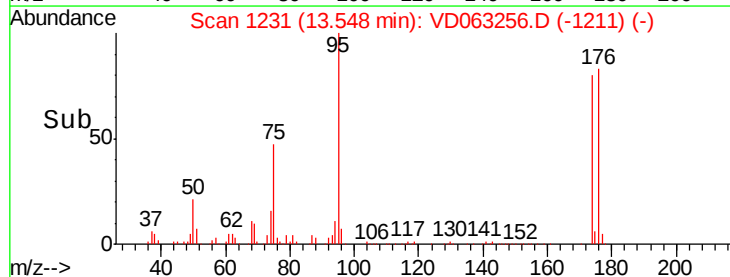
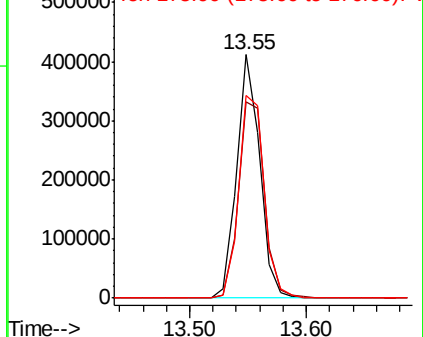
176 83.1 0.0 211.8

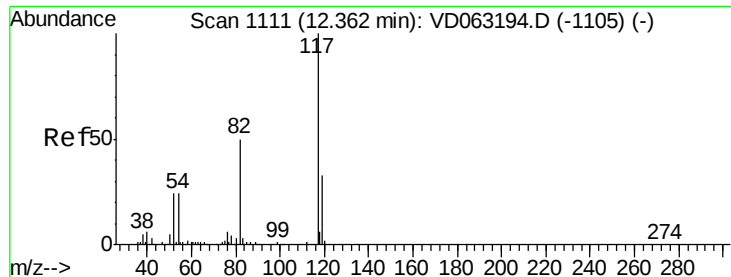


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

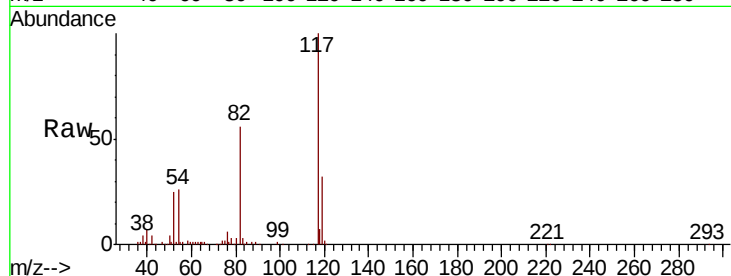




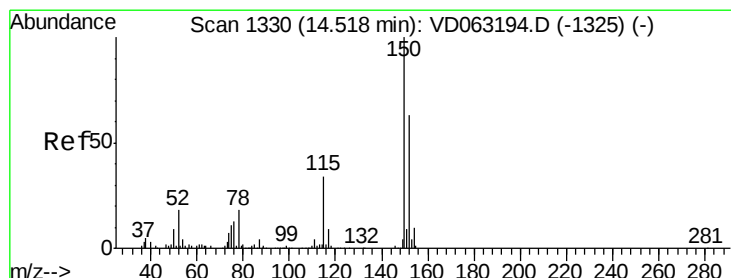
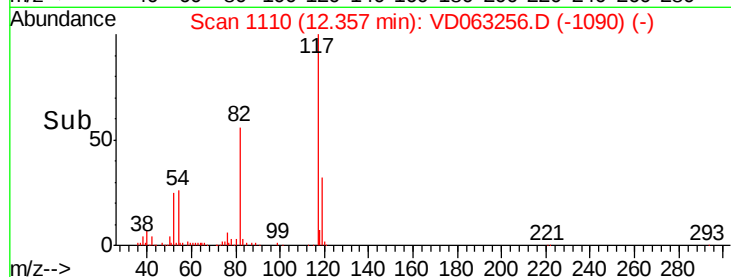
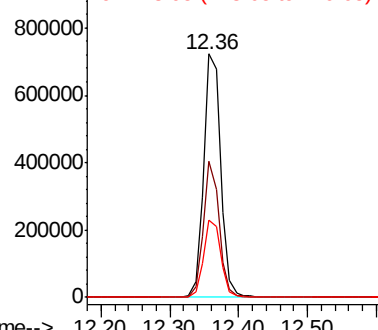
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063256.D
Acq: 30 Jul 2019 23:43

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL02

Tot Ion:117 Resp: 1233080
Ion Ratio Lower Upper
117 100
82 56.0 40.1 60.1
119 31.6 26.5 39.7

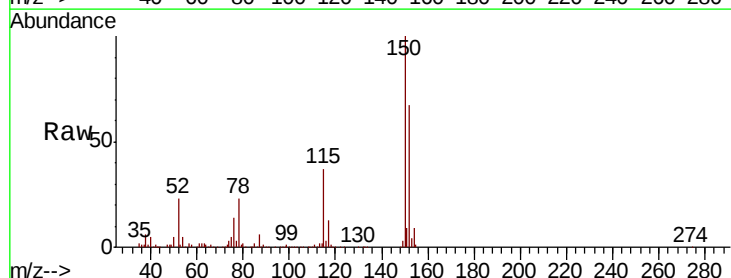


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

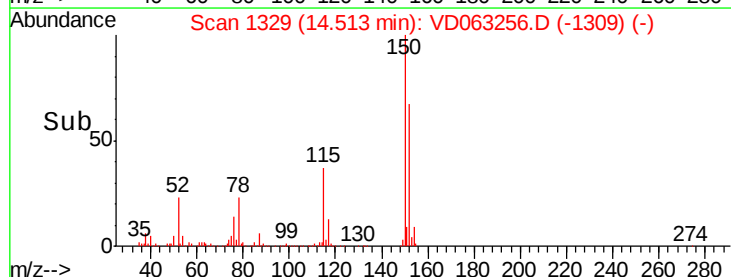
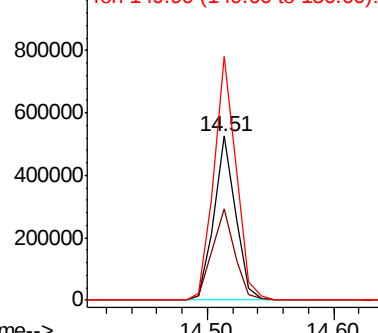


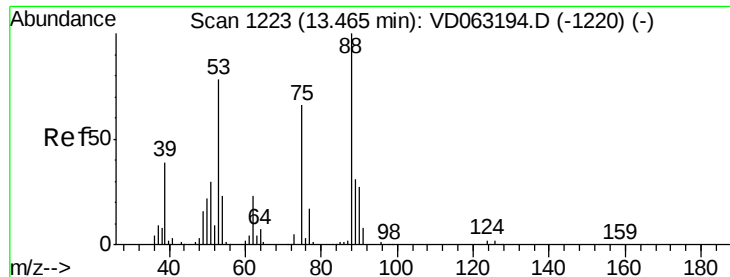
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063256.D
Acq: 30 Jul 2019 23:43

Tgt Ion:152 Resp: 619020
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.4
150 148.7 0.0 320.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 123.737 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063256.D

Acq: 30 Jul 2019 23:43

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBL02

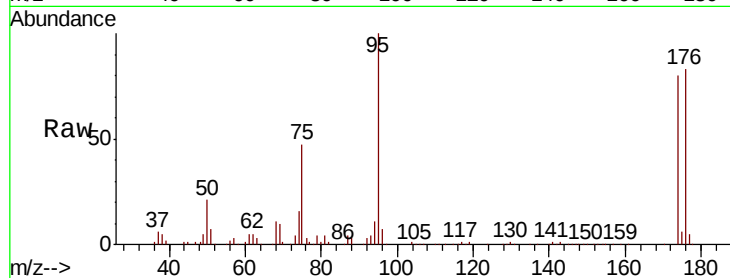
Tot Ion: 75 Resp: 255468

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

