

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063274.D
 Acq On : 31 Jul 2019 13:05
 Operator : VA/AP
 Sample : K4066-07
 Misc : 6.02g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 04:01:58 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	7.04	168	1024983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1398296	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1036366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	511700	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	448640	39.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.90%	
35) Dibromofluoromethane	6.92	113	523841	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	
50) Toluene-d8	10.40	98	1075726	40.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.52%	
62) 4-Bromofluorobenzene	13.55	95	404684	33.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.48%	

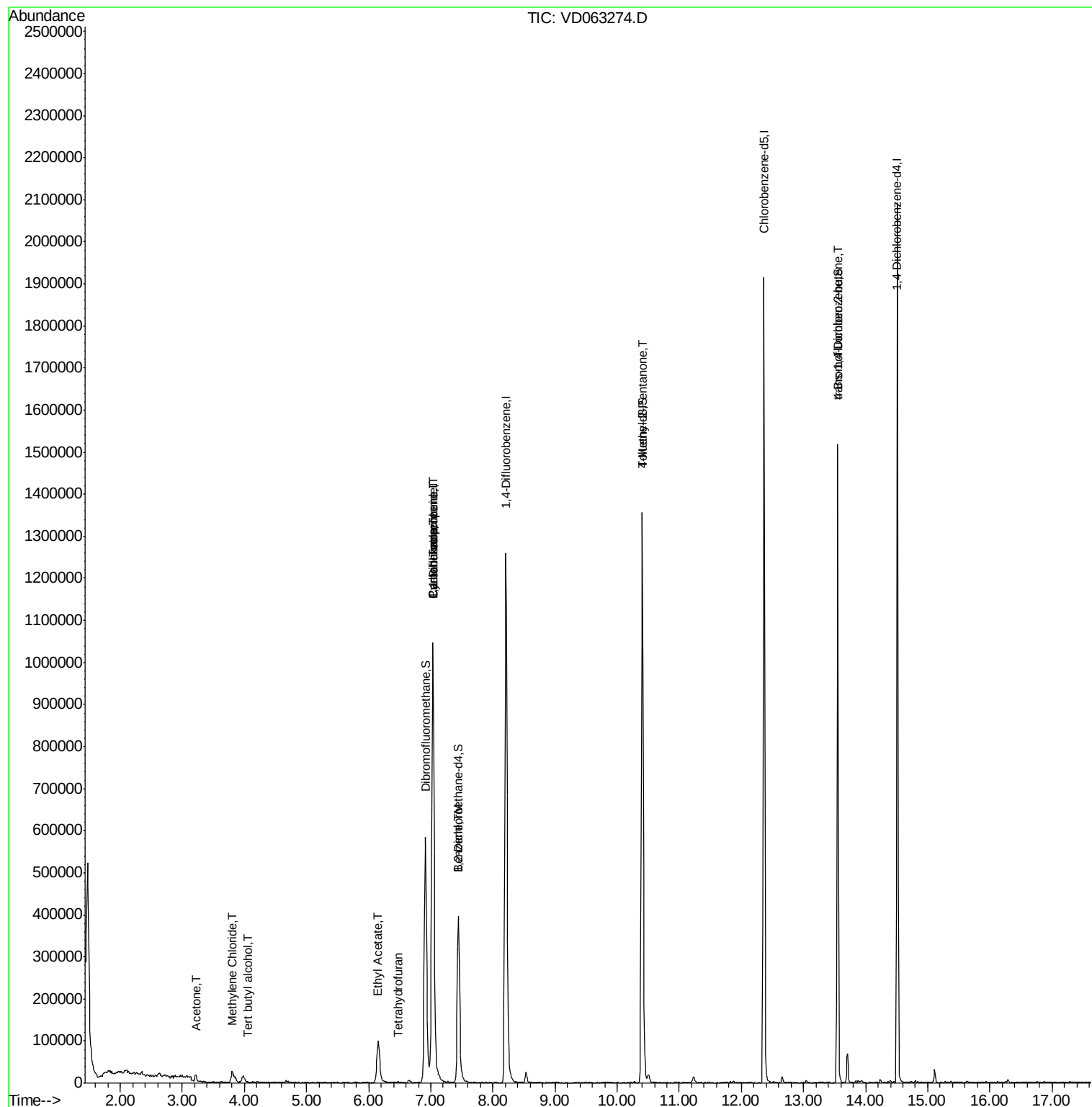
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1671	3.348	ug/l #	69
16) Acetone	3.21	43	29208	13.181	ug/l #	90
20) Methylene Chloride	3.80	84	15837	1.768	ug/l #	91
29) Tetrahydrofuran	6.46	42	1585	1.505	ug/l #	33
31) Cyclohexane	7.04	56	20560	2.029	ug/l #	11
36) 1,1-Dichloropropene	7.03	75	75542	5.920	ug/l #	53
37) Ethyl Acetate	6.15	43	7910	1.380	ug/l #	45
38) Carbon Tetrachloride	7.03	117	100934	5.254	ug/l #	14
40) Benzene	7.43	78	30887	1.155	ug/l	99
51) 4-Methyl-2-Pentanone	10.39	43	5866	1.178	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	188293	110.328	ug/l #	3

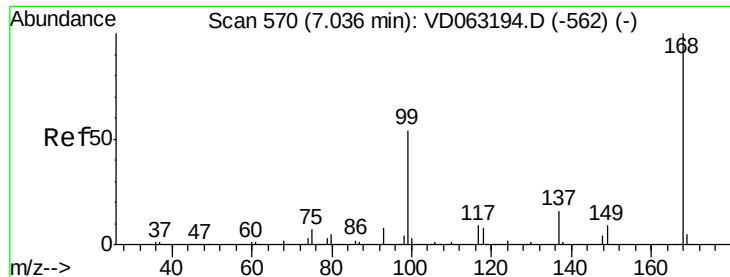
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
Data File : VD063274.D
Acq On : 31 Jul 2019 13:05
Operator : VA/AP
Sample : K4066-07
Misc : 6.02g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 01 04:01:58 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: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

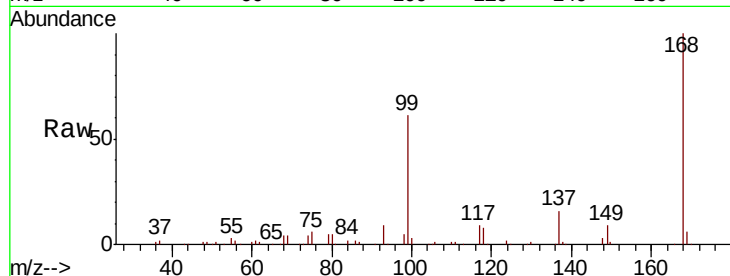
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1024983

Ion Ratio Lower Upper

168 100

99 60.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

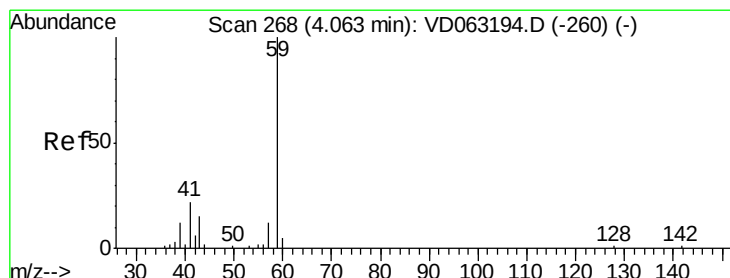
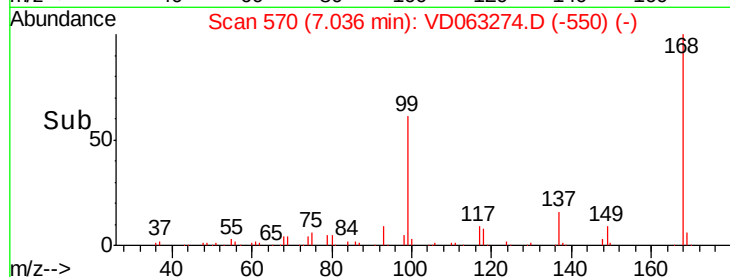
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 3.348 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD063274.D

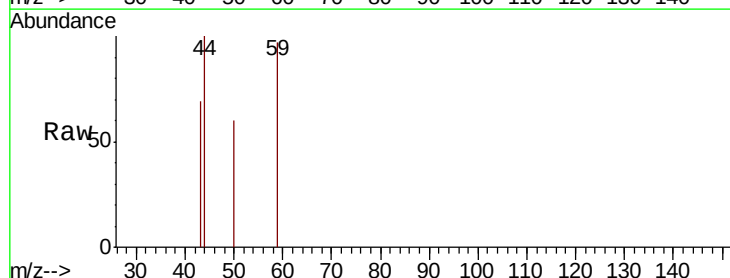
Acq: 31 Jul 2019 13:05

Tgt Ion: 59 Resp: 1671

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

2500

2000

1500

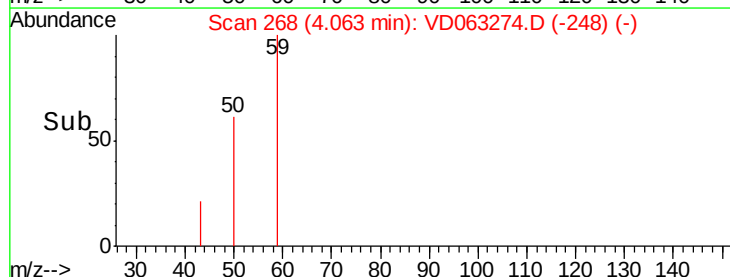
1000

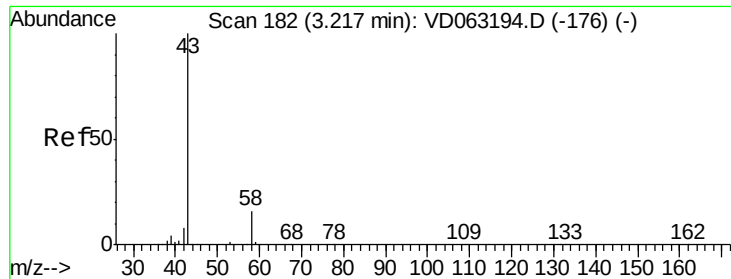
500

0

4.00 4.05 4.10

Time-->





#16

Acetone

Concen: 13.181 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

Instrument :

MSVOA_D

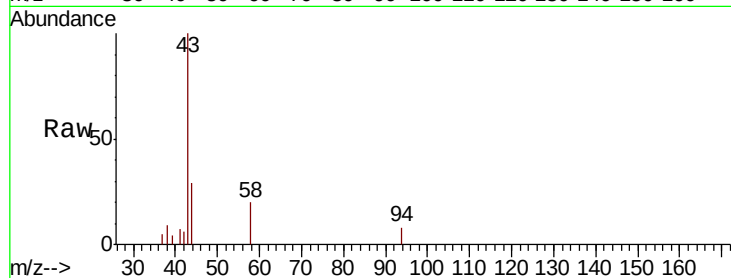
ClientSampled :

Tot Ion: 43 Resp: 29208

Ion Ratio Lower Upper

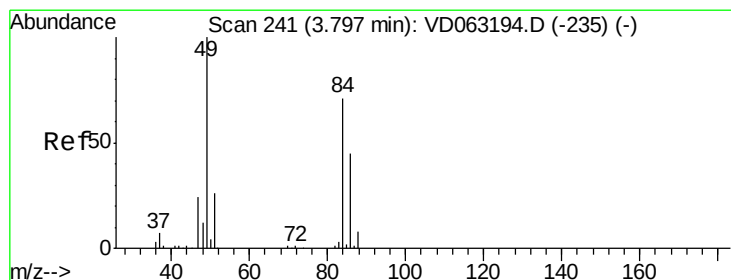
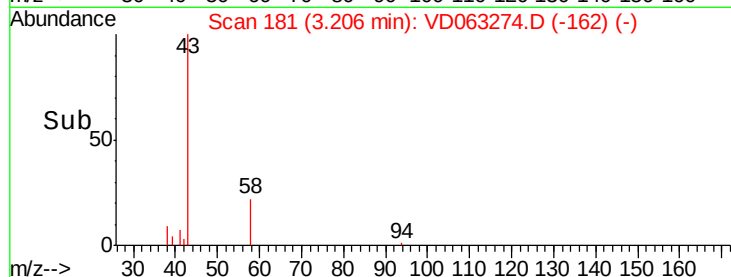
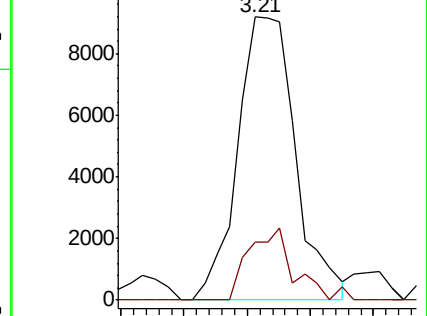
43 100

58 20.5 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: 1.768 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

Tgt Ion: 84 Resp: 15837

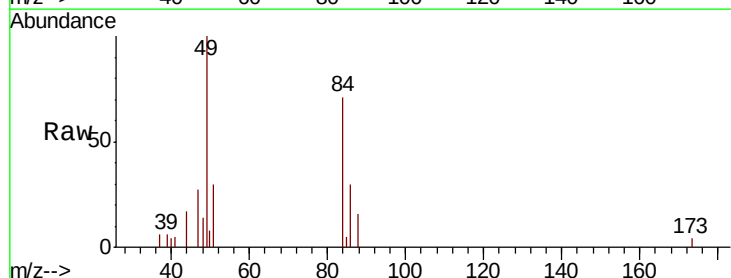
Ion Ratio Lower Upper

84 100

49 141.8 112.5 168.7

51 42.1 29.6 44.4

86 42.8 50.4 75.6#

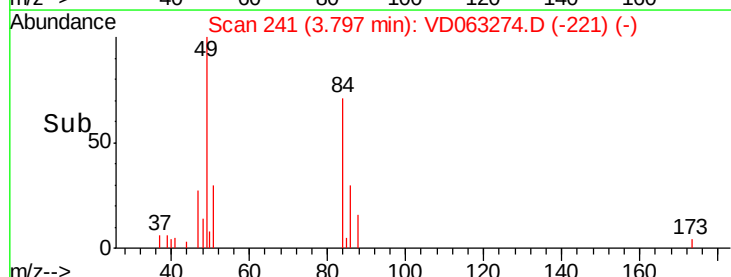
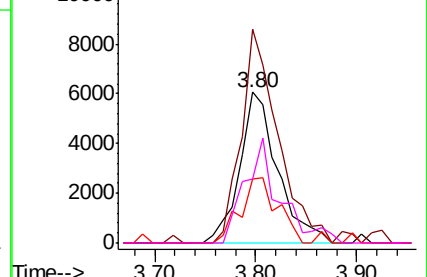


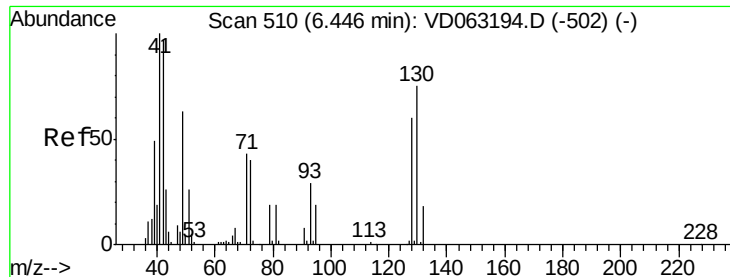
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.505 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

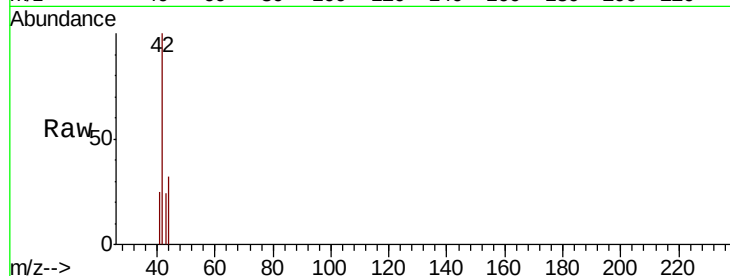
Tot Ion: 42 Resp: 1585

Ion Ratio Lower Upper

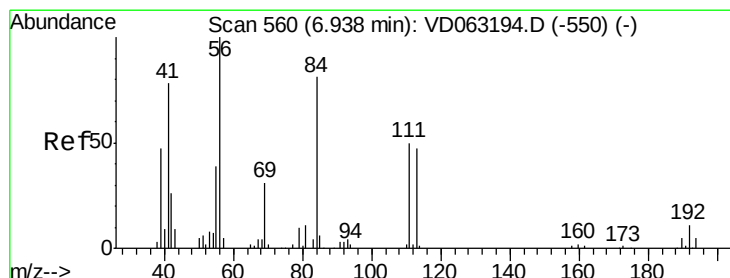
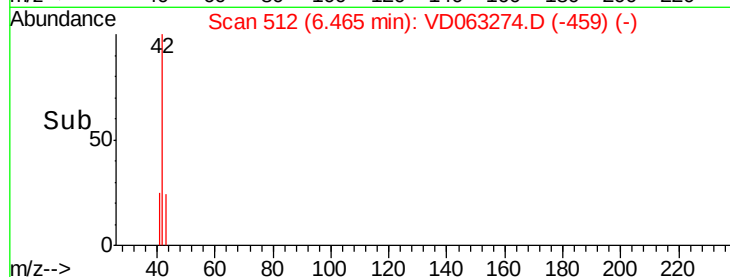
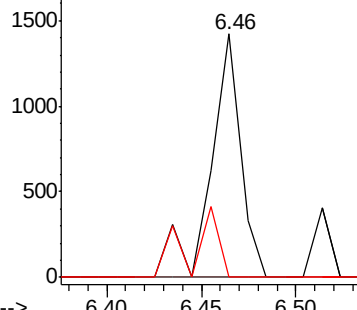
42 100

72 0.0 33.4 50.2#

71 0.0 35.7 53.5#



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



#31

Cyclohexane

Concen: 2.029 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

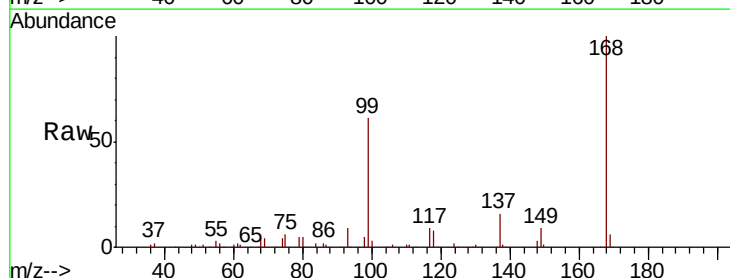
Tgt Ion: 56 Resp: 20560

Ion Ratio Lower Upper

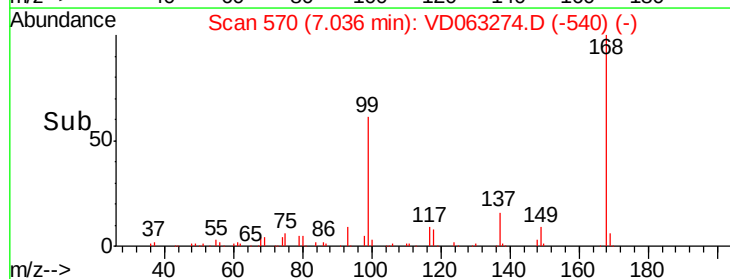
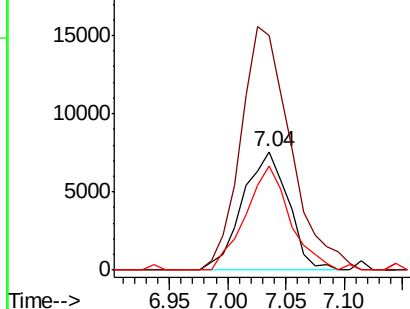
56 100

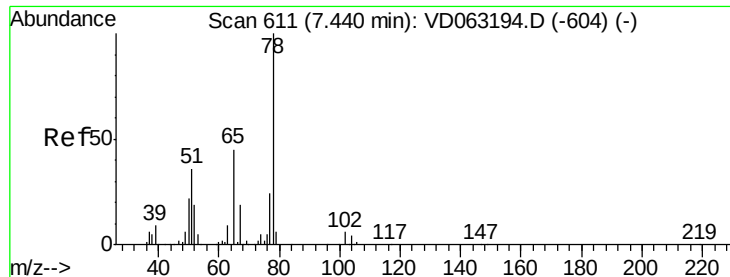
69 198.0 24.5 36.7#

84 87.9 64.9 97.3



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

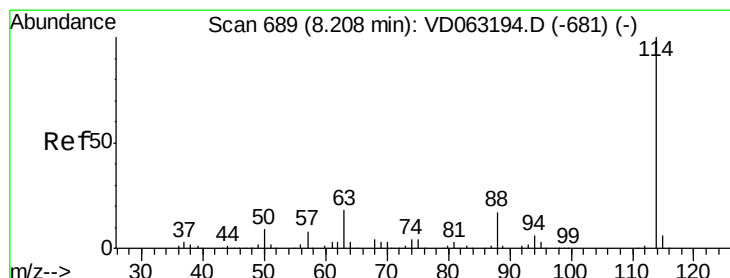
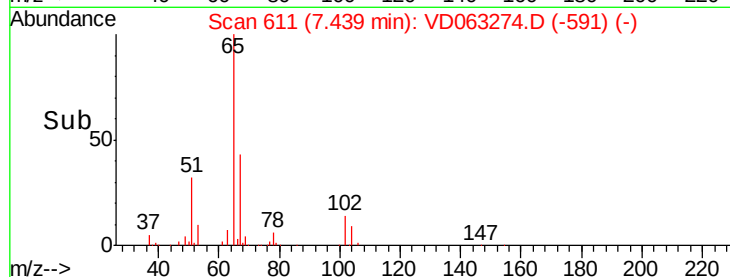
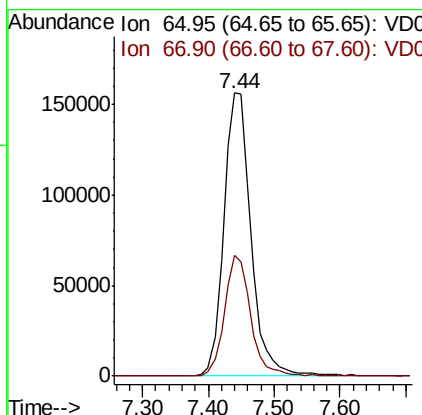
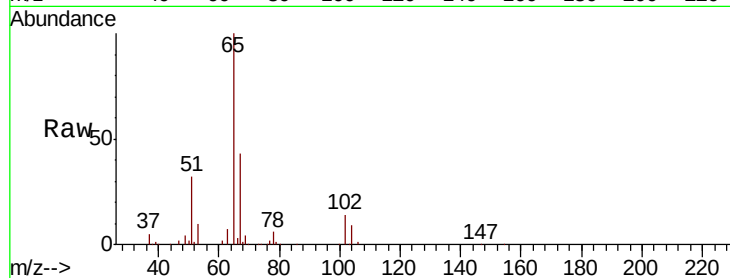




#33
 1,2-Dichloroethane-d4
 Concen: 39.447 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063274.D
 Acq: 31 Jul 2019 13:05

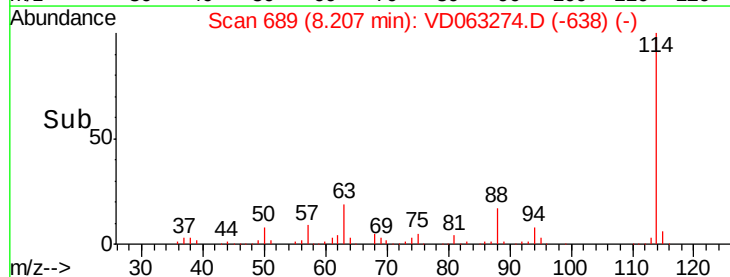
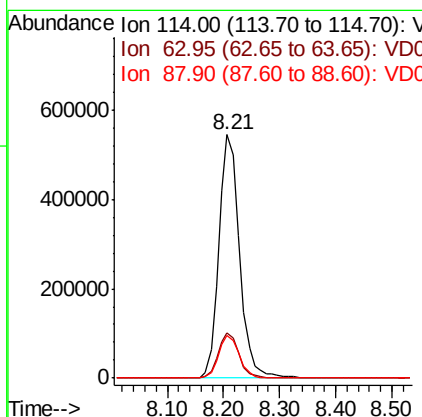
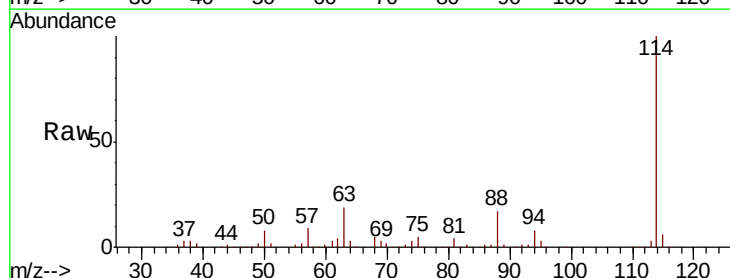
Instrument :
 MSVOA_D
 ClientSampleId :

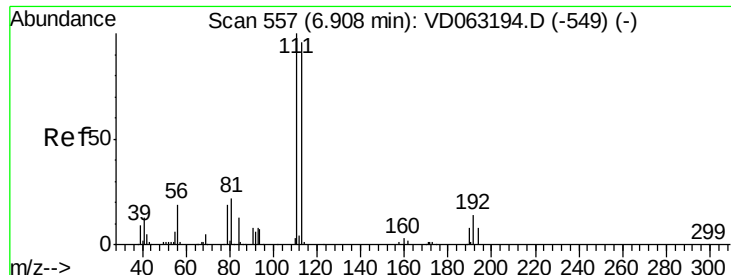
Tot Ion: 65 Resp: 448640
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063274.D
 Acq: 31 Jul 2019 13:05

Tgt Ion: 114 Resp: 1398296
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 17.4 0.0 34.6

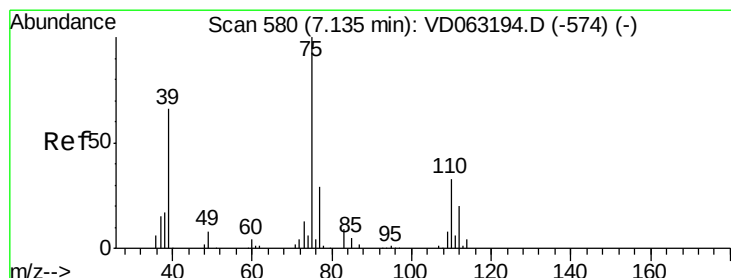
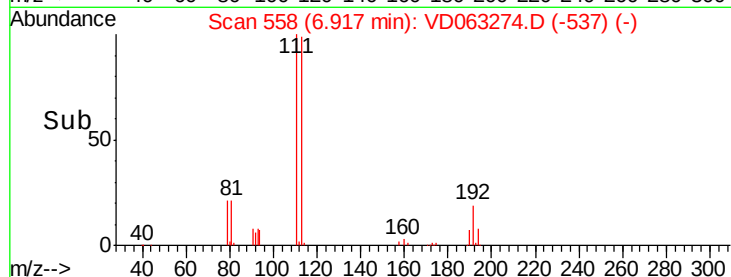
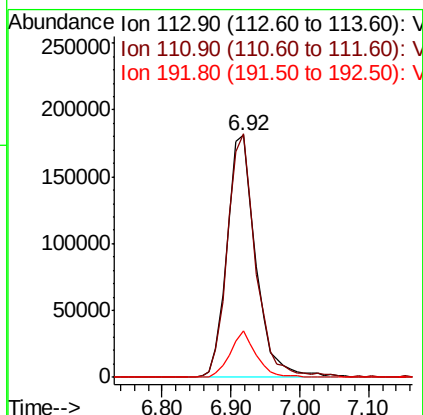
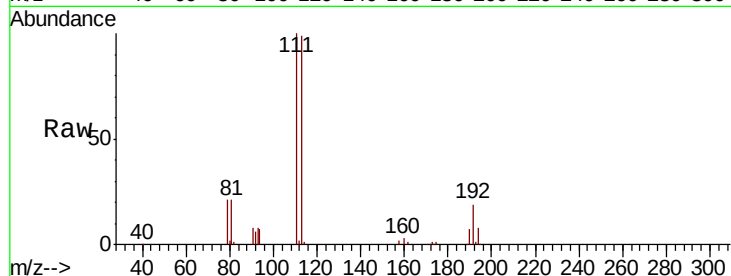




#35
Dibromofluoromethane
Concen: 43.878 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063274.D
Acq: 31 Jul 2019 13:05

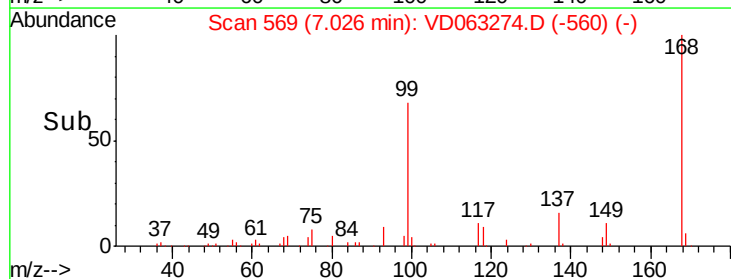
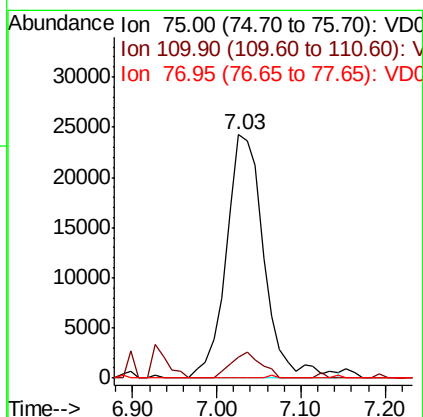
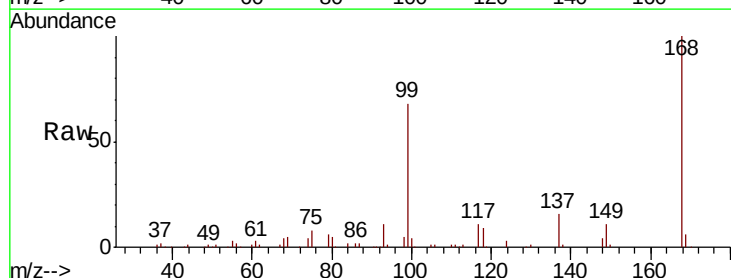
Instrument :
MSVOA_D
ClientSampleId :

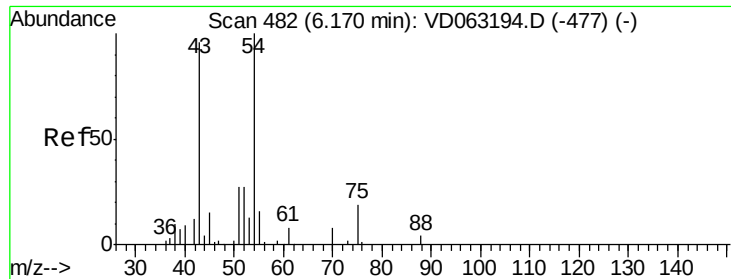
Tot Ion:113 Resp: 523841
Ion Ratio Lower Upper
113 100
111 100.7 83.2 124.8
192 19.0 11.8 17.8#



#36
1,1-Dichloropropene
Concen: 5.920 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.11 min
Lab File: VD063274.D
Acq: 31 Jul 2019 13:05

Tgt Ion: 75 Resp: 75542
Ion Ratio Lower Upper
75 100
110 8.7 16.1 48.2#
77 0.0 22.7 34.1#





#37

Ethyl Acetate

Concen: 1.380 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

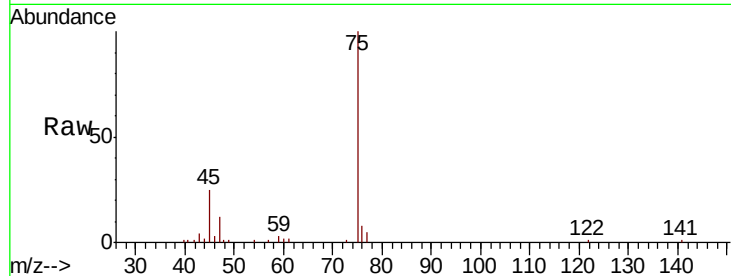
Tot Ion: 43 Resp: 7910

Ion Ratio Lower Upper

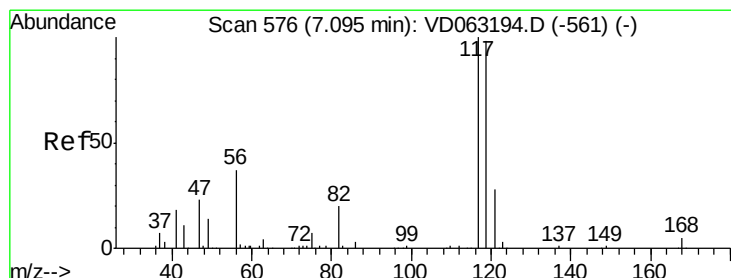
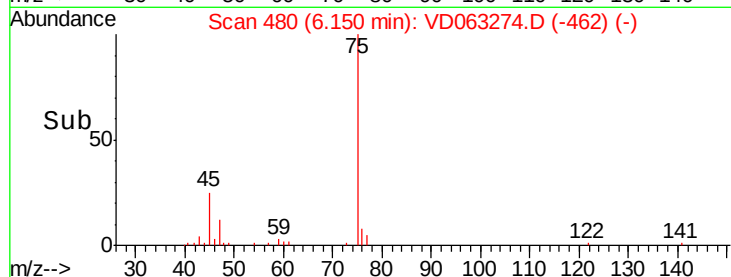
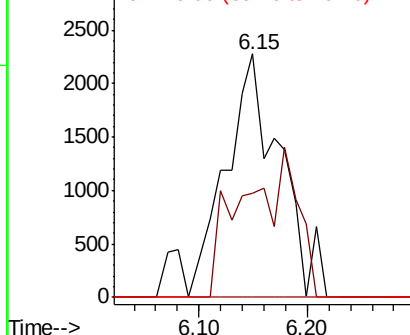
43 100

61 43.0 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: 5.254 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

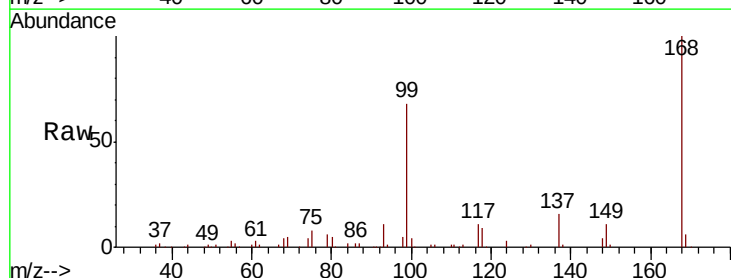
Tgt Ion: 117 Resp: 100934

Ion Ratio Lower Upper

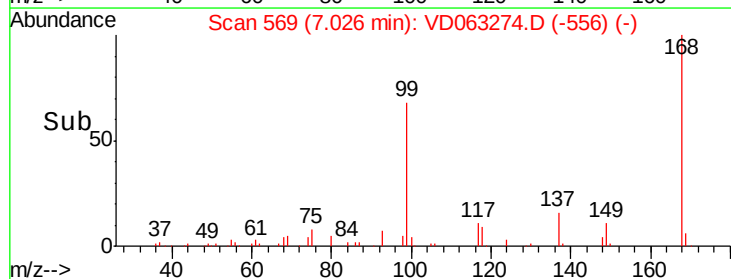
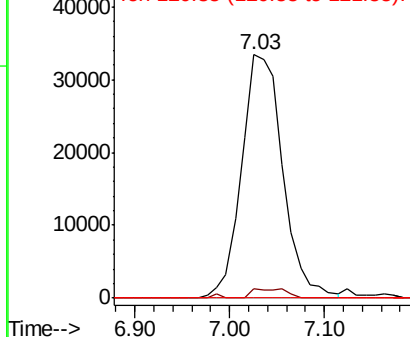
117 100

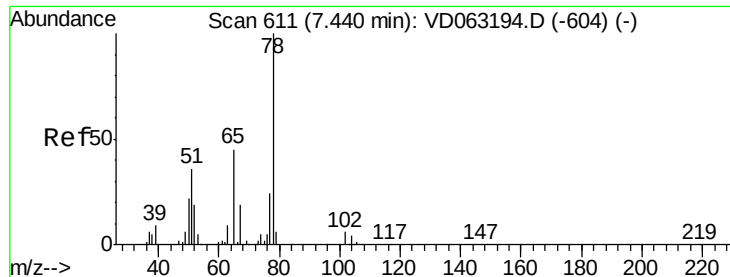
119 3.7 78.2 117.2#

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





#40

Benzene

Concen: 1.155 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

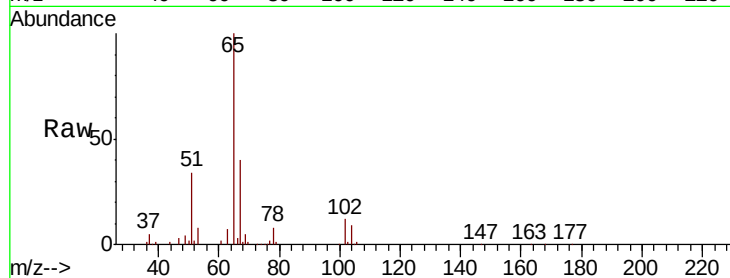
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 78 Resp: 30887

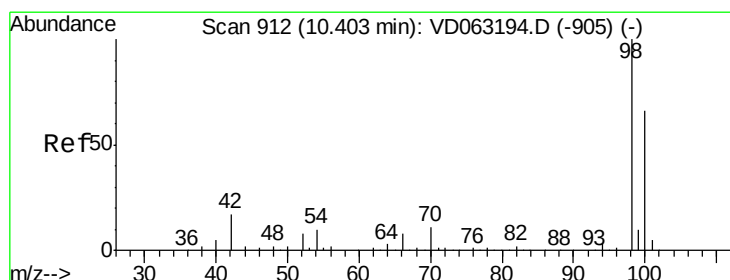
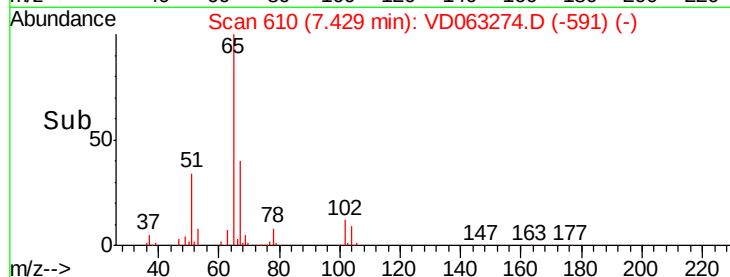
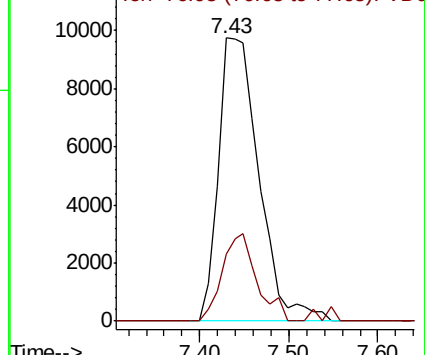
Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 40.262 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063274.D

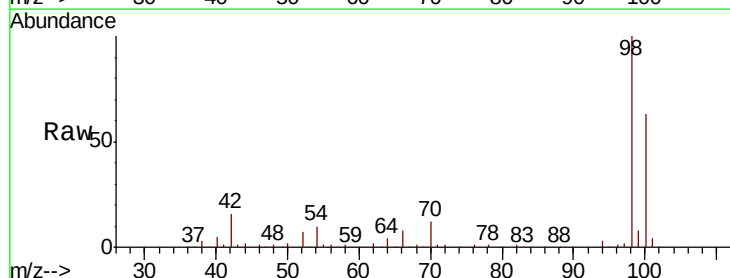
Acq: 31 Jul 2019 13:05

Tgt Ion: 98 Resp: 1075726

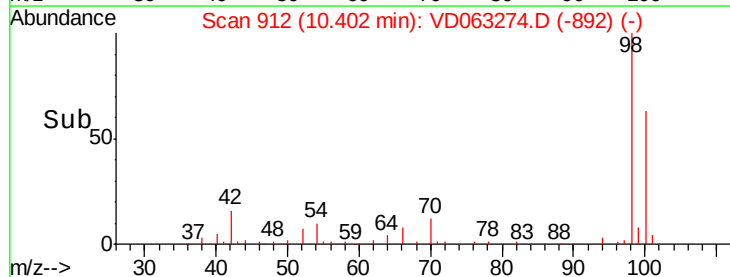
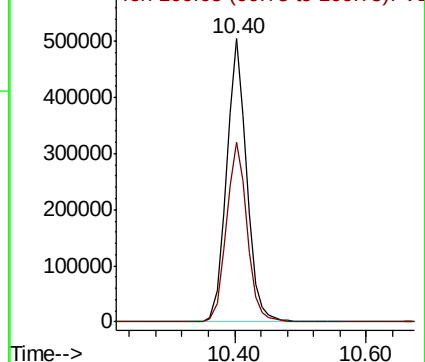
Ion Ratio Lower Upper

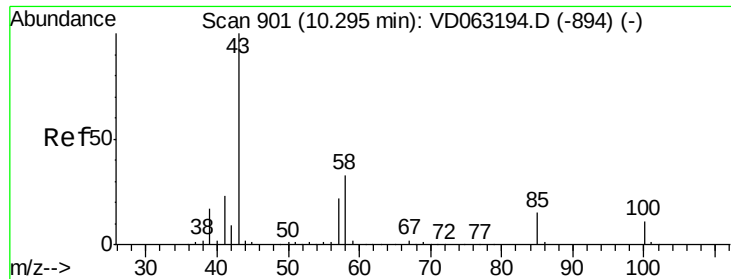
98 100

100 63.3 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.178 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.10 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

Instrument :

MSVOA_D

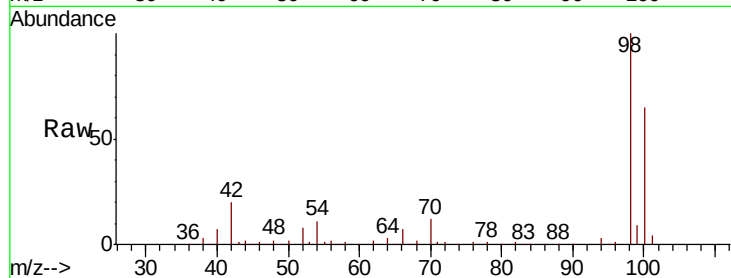
ClientSampled :

Tot Ion: 43 Resp: 5866

Ion Ratio Lower Upper

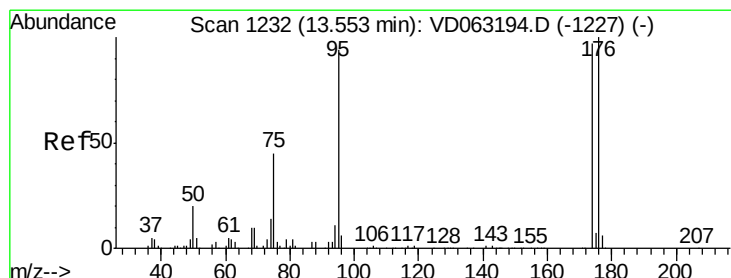
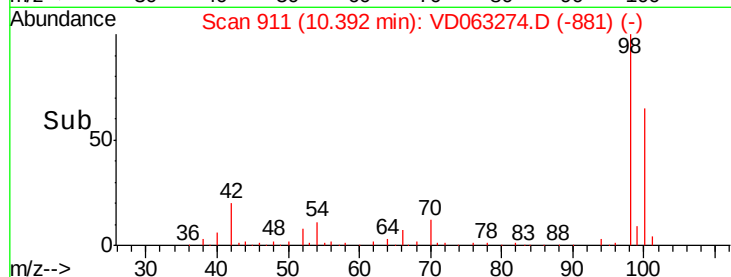
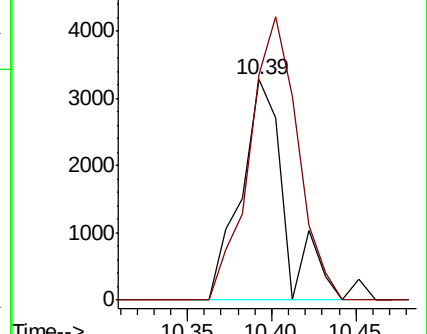
43 100

58 102.5 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 33.238 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

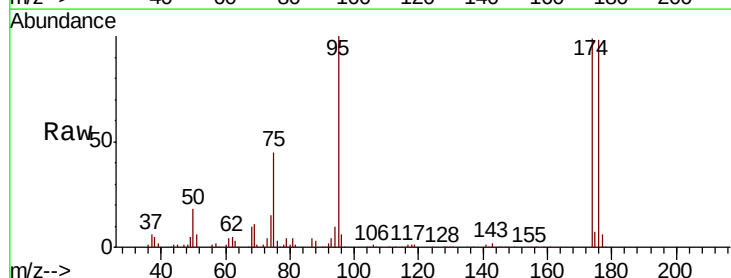
Tgt Ion: 95 Resp: 404684

Ion Ratio Lower Upper

95 100

174 99.0 0.0 205.4

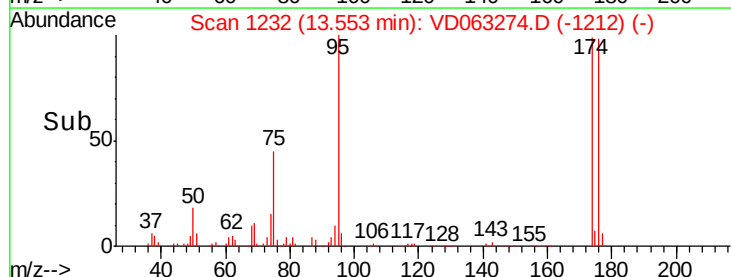
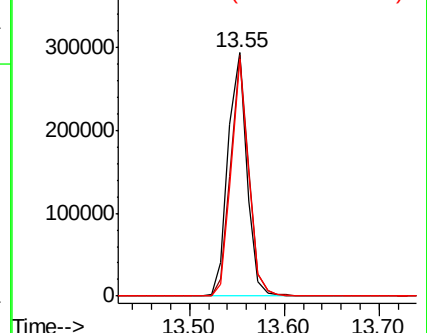
176 97.5 0.0 211.8

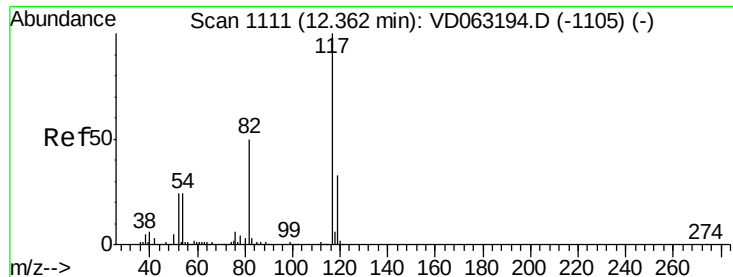


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

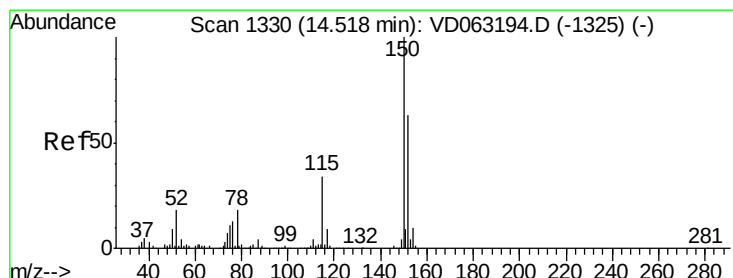
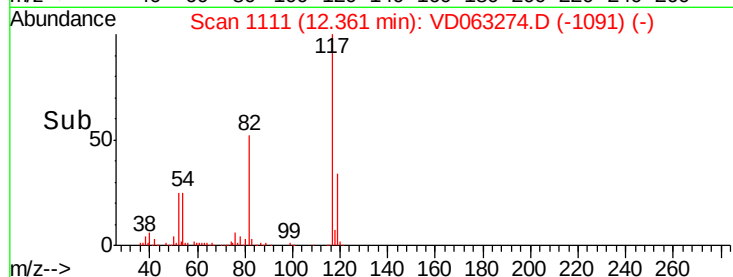
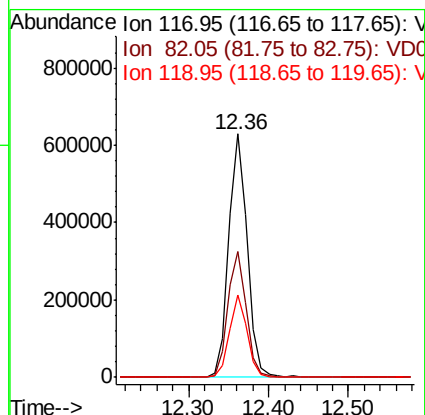
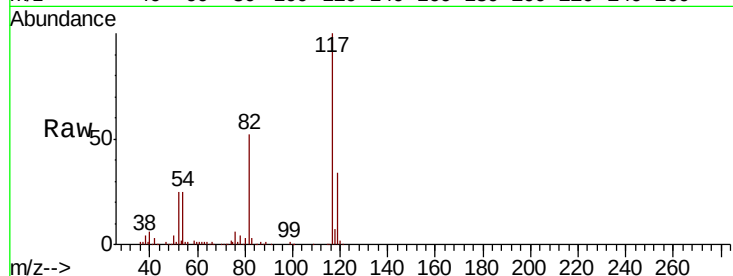




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063274.D
Acq: 31 Jul 2019 13:05

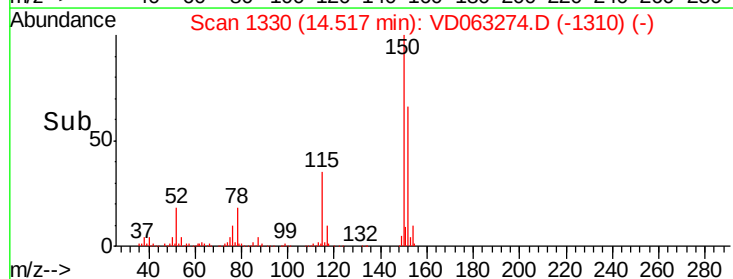
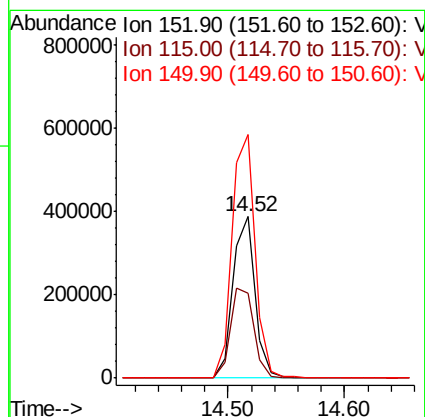
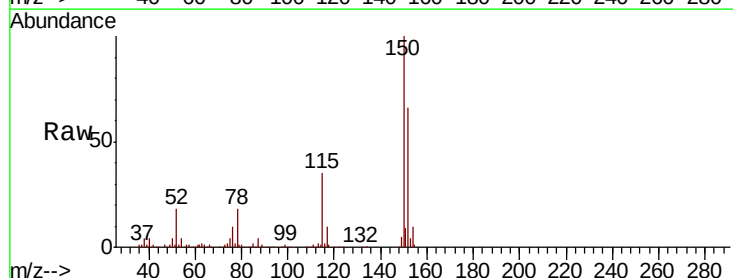
Instrument :
MSVOA_D
ClientSampleId :

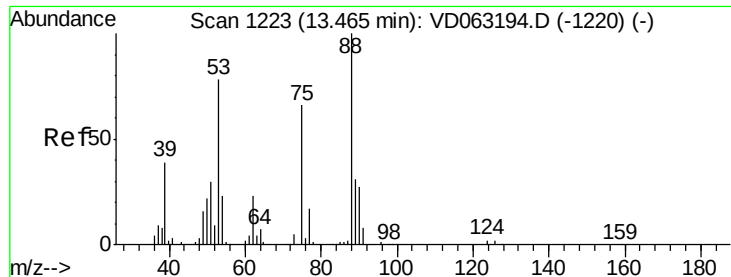
Tot Ion:117 Resp: 1036366
Ion Ratio Lower Upper
117 100
82 51.8 40.1 60.1
119 33.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063274.D
Acq: 31 Jul 2019 13:05

Tgt Ion:152 Resp: 511700
Ion Ratio Lower Upper
152 100
115 52.6 27.5 82.4
150 150.9 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 110.328 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063274.D

Acq: 31 Jul 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 188293

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

