

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063449.D
 Acq On : 8 Aug 2019 20:08
 Operator : JC/SY
 Sample : K4223-18
 Misc : 6.38g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-9

Quant Time: Aug 09 07:00:28 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	7.05	168	970416	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1374357	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	869172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	304514	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	443840	41.22	ug/l	0.02
Spiked Amount			Recovery	=	82.44%	
35) Dibromofluoromethane	6.93	113	487124	41.51	ug/l	0.02
Spiked Amount			Recovery	=	83.02%	
50) Toluene-d8	10.42	98	936844	35.67	ug/l	0.02
Spiked Amount			Recovery	=	71.34%	
62) 4-Bromofluorobenzene	13.56	95	285454	23.85	ug/l	0.00
Spiked Amount			Recovery	=	47.70%	

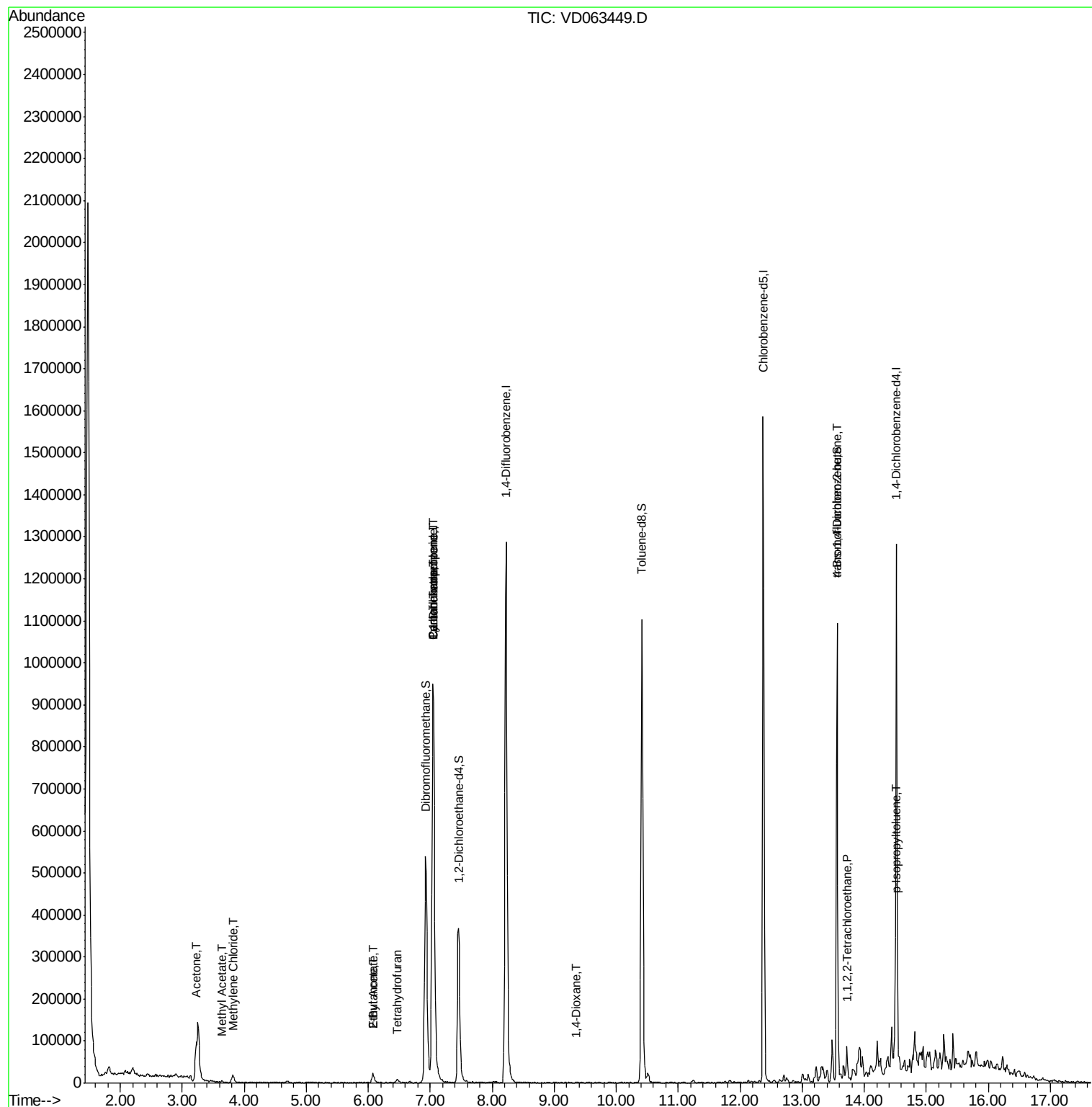
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	169250	80.673	ug/l	95
18) Methyl Acetate	3.64	43	4084	1.013	ug/l	95
20) Methylene Chloride	3.82	84	10310	1.216	ug/l #	92
25) 2-Butanone	6.07	43	43246	20.540	ug/l #	84
29) Tetrahydrofuran	6.46	42	7682	7.706	ug/l #	75
31) Cyclohexane	7.04	56	22541	2.350	ug/l #	12
36) 1,1-Dichloropropene	7.04	75	70534	5.623	ug/l #	50
37) Ethyl Acetate	6.07	43	43246	7.675	ug/l #	70
38) Carbon Tetrachloride	7.04	117	96075	5.088	ug/l #	18
49) 1,4-Dioxane	9.34	88	222	1.503	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	13.72	83	5669	1.746	ug/l #	24
81) trans-1,4-Dichloro-2-buten	13.56	75	132534	130.493	ug/l #	3
86) p-Isopropyltoluene	14.50	119	48474	2.561	ug/l	97

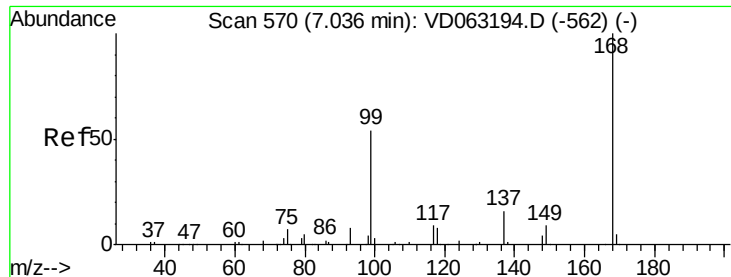
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampled :

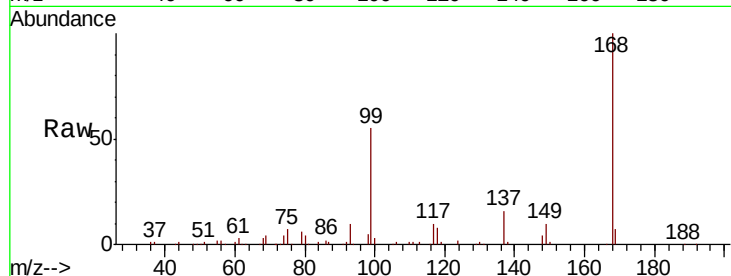
SP-9

Tgt Ion:168 Resp: 970416

Ion Ratio Lower Upper

168 100

99 55.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

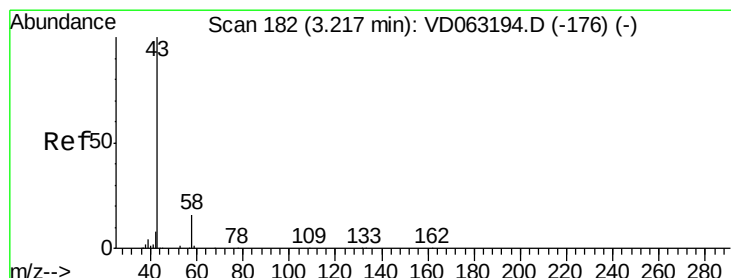
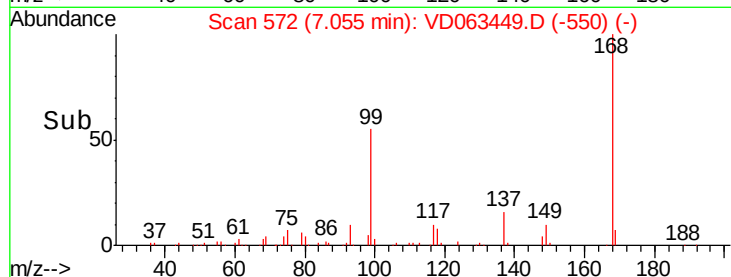
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 80.673 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063449.D

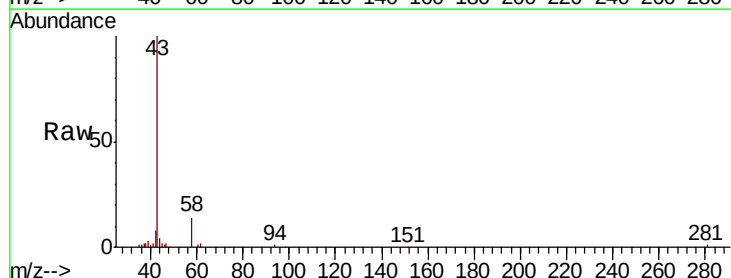
Acq: 8 Aug 2019 20:08

Tgt Ion: 43 Resp: 169250

Ion Ratio Lower Upper

43 100

58 14.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

60000

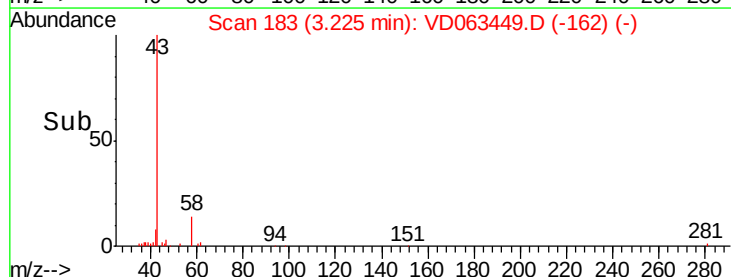
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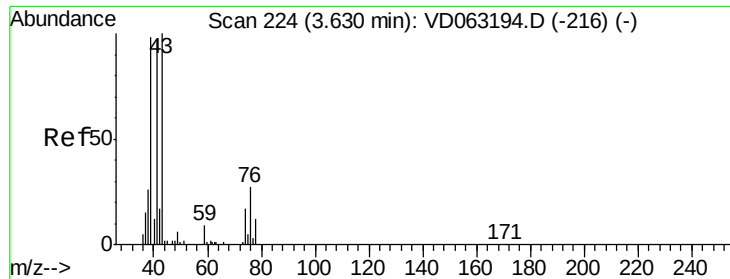
20000

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Time-->

3.10 3.20 3.30 3.40

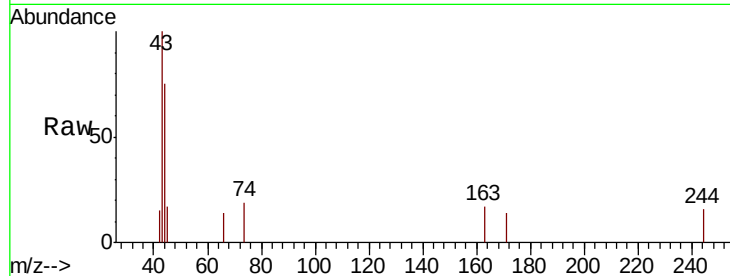




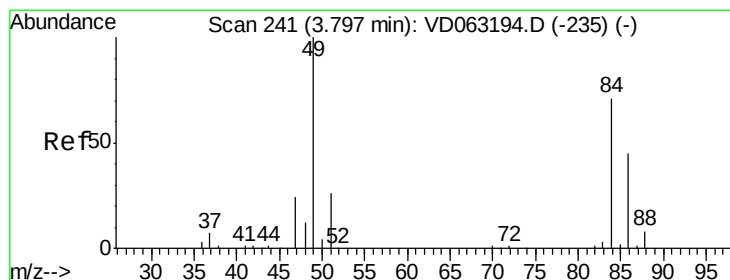
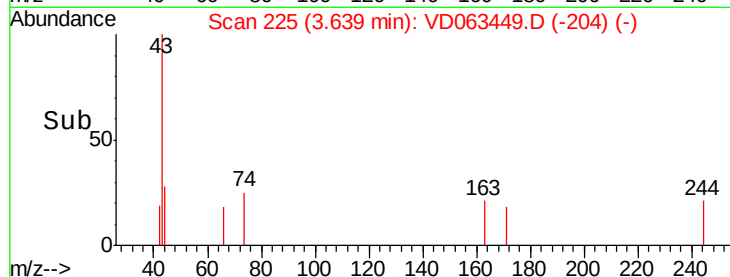
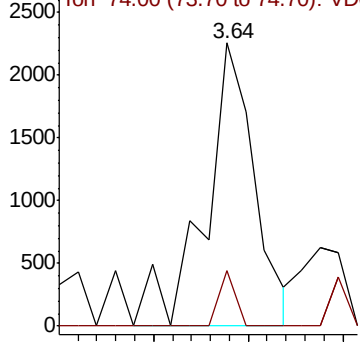
#18
Methyl Acetate
Concen: 1.013 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

Instrument :
MSVOA_D
ClientSampleId :
SP-9

Tgt Ion: 43 Resp: 4084
Ion Ratio Lower Upper
43 100
74 19.5 13.8 20.8

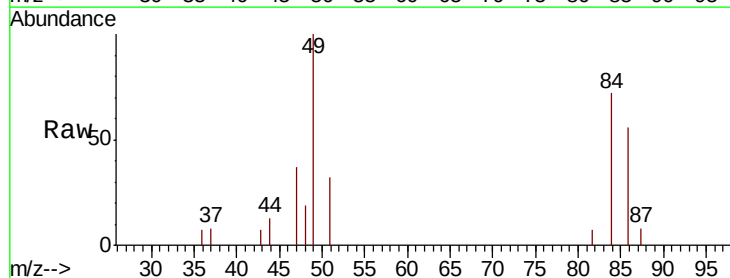


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

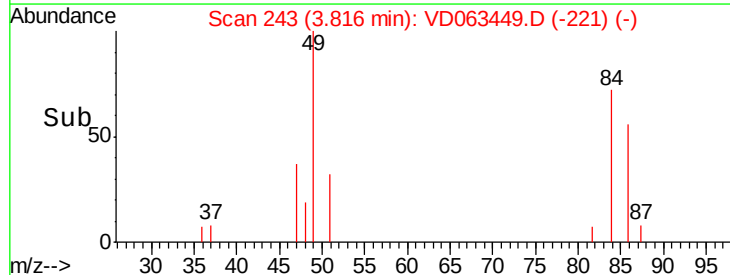
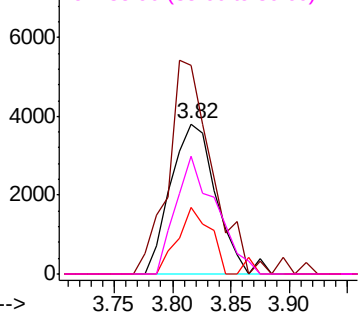


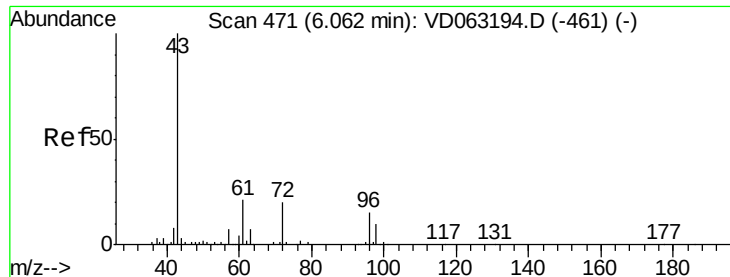
#20
Methylene Chloride
Concen: 1.216 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

Tgt Ion: 84 Resp: 10310
Ion Ratio Lower Upper
84 100
49 139.1 112.5 168.7
51 44.2 29.6 44.4
86 78.3 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





#25

2-Butanone

Concen: 20.540 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

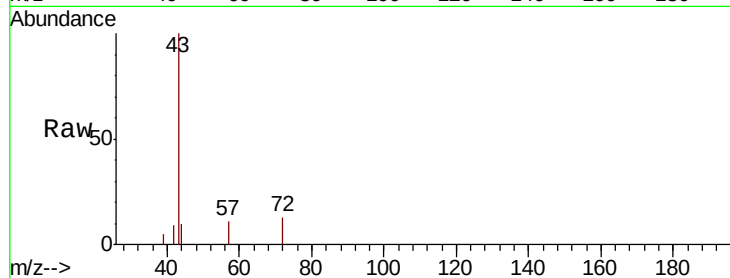
SP-9

Tgt Ion: 43 Resp: 43246

Ion Ratio Lower Upper

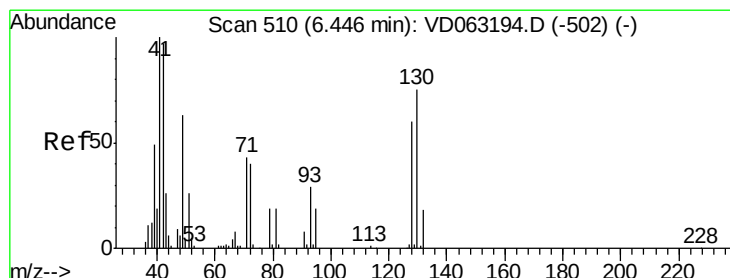
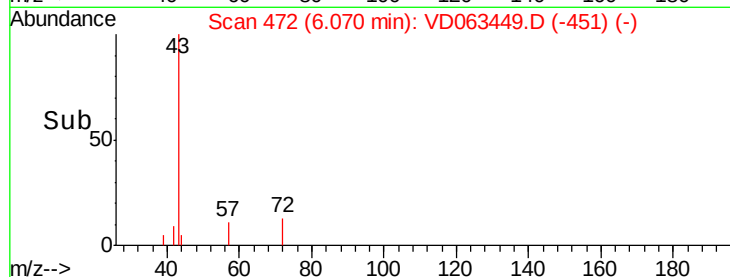
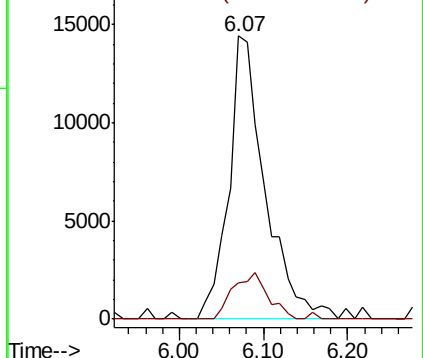
43 100

72 12.8 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 7.706 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

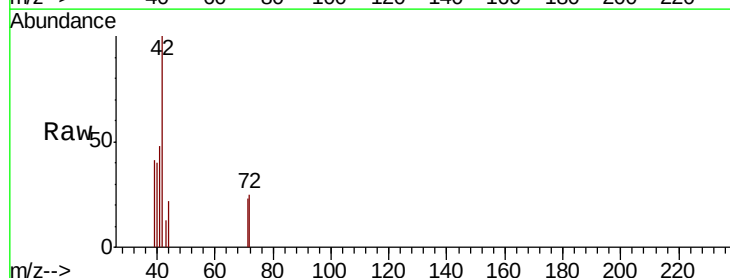
Tgt Ion: 42 Resp: 7682

Ion Ratio Lower Upper

42 100

72 23.0 33.4 50.2#

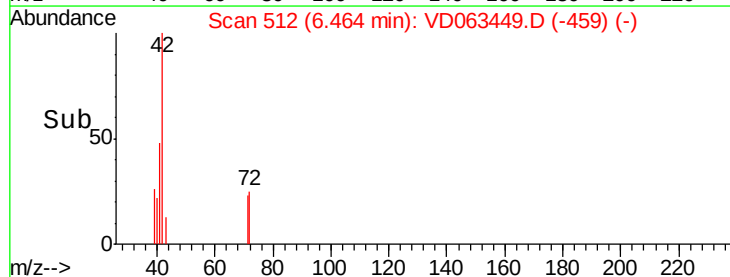
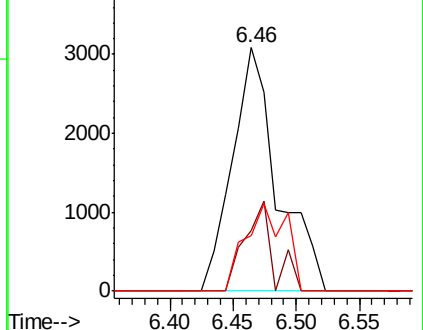
71 31.6 35.7 53.5#

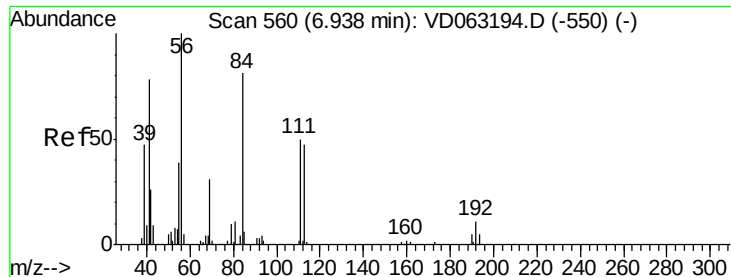


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

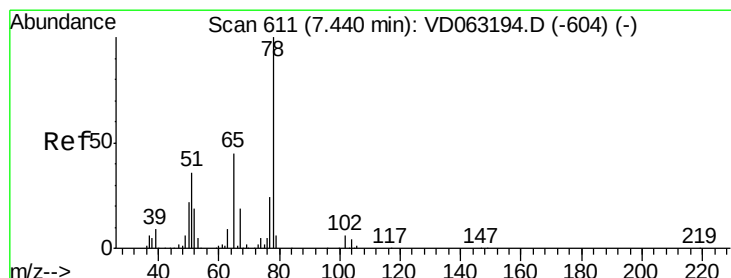
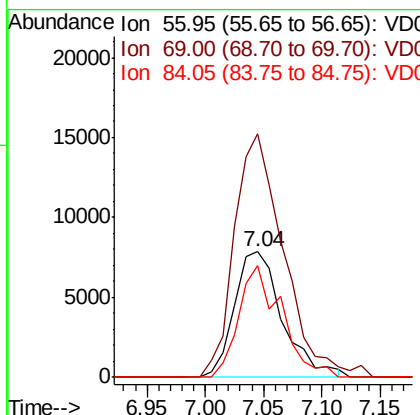
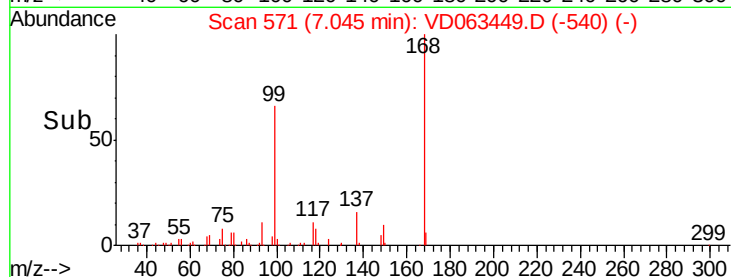
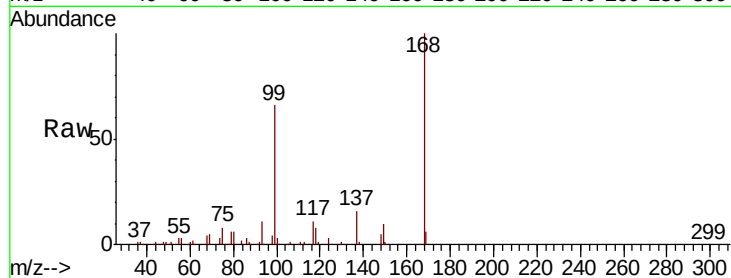




#31
Cyclohexane
Concen: 2.350 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

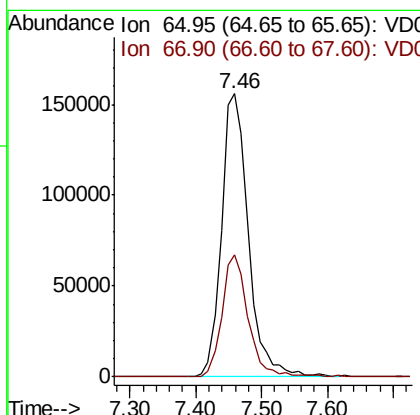
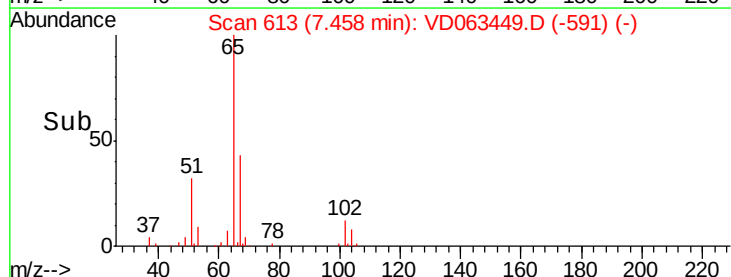
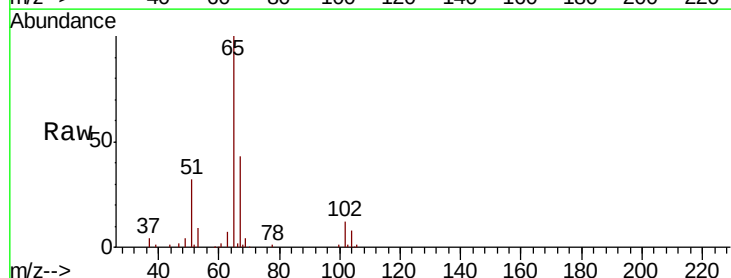
Instrument :
MSVOA_D
ClientSampled :
SP-9

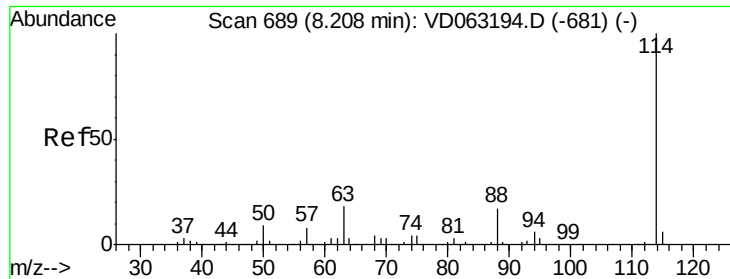
Tgt Ion: 56 Resp: 22541
Ion Ratio Lower Upper
56 100
69 193.9 24.5 36.7#
84 88.8 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 41.220 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

Tgt Ion: 65 Resp: 443840
Ion Ratio Lower Upper
65 100
67 42.9 0.0 85.8

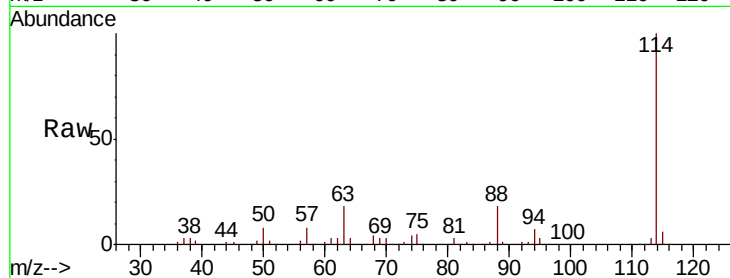




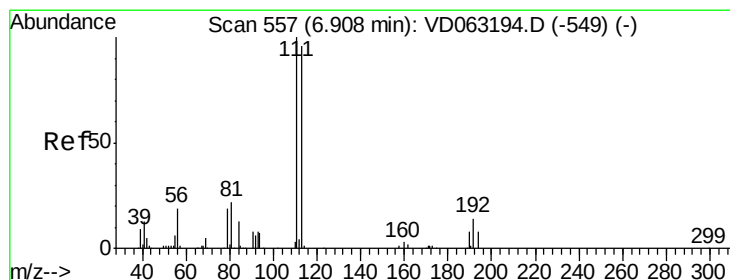
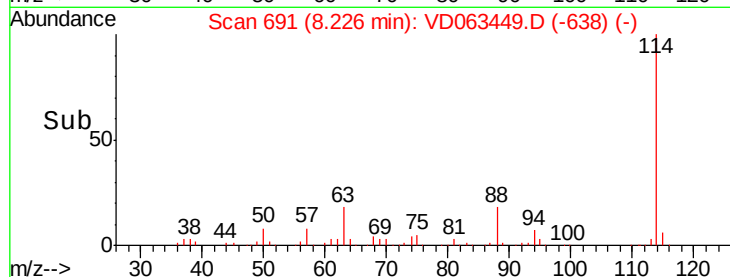
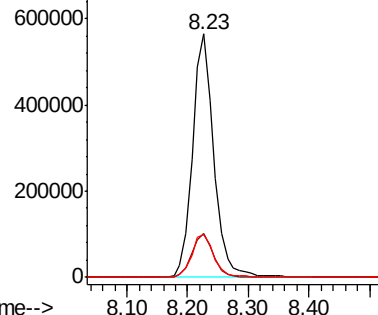
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063449.D
 Acq: 8 Aug 2019 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-9

Tgt Ion:114 Resp: 1374357
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 17.6 0.0 34.6

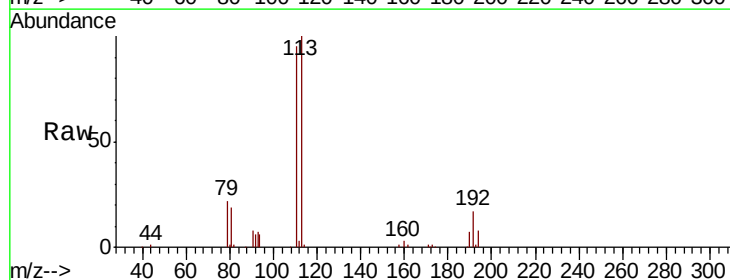


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

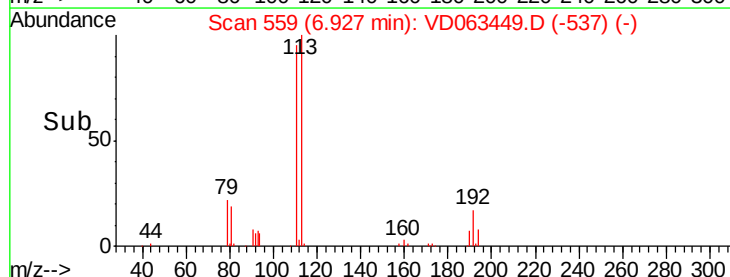
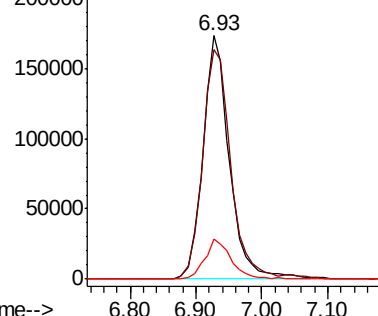


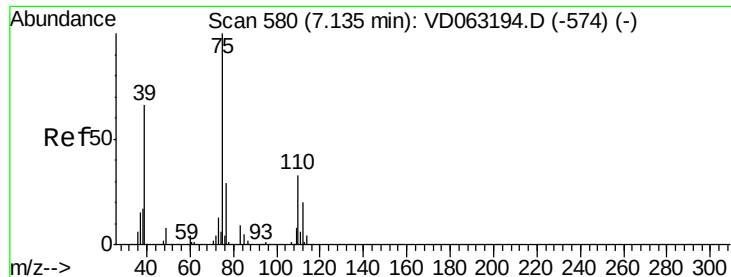
#35
 Dibromofluoromethane
 Concen: 41.514 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063449.D
 Acq: 8 Aug 2019 20:08

Tgt Ion:113 Resp: 487124
 Ion Ratio Lower Upper
 113 100
 111 94.5 83.2 124.8
 192 16.7 11.8 17.8



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

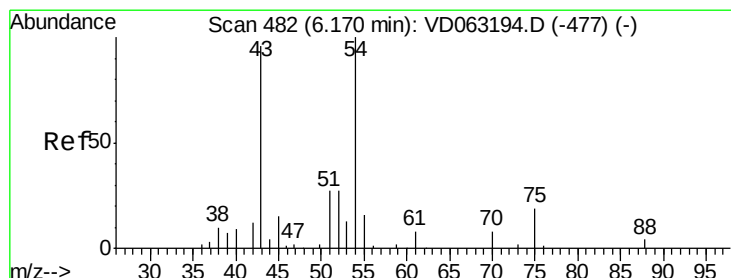
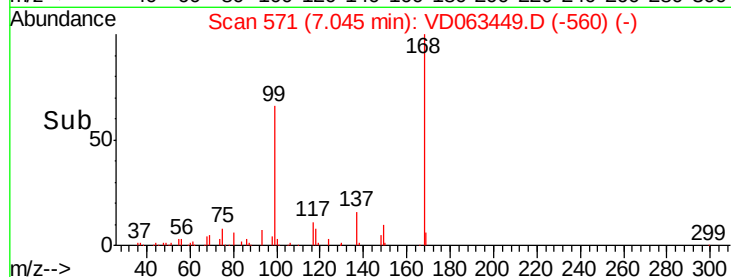
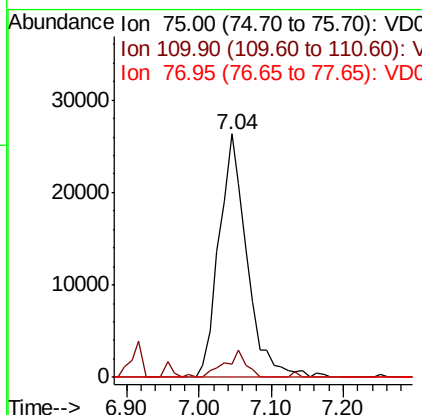
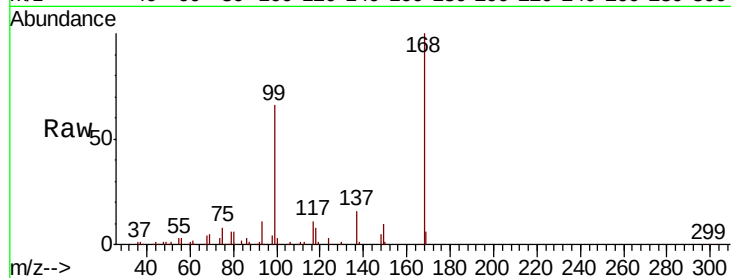




#36
 1,1-Dichloropropene
 Concen: 5.623 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063449.D
 Acq: 8 Aug 2019 20:08

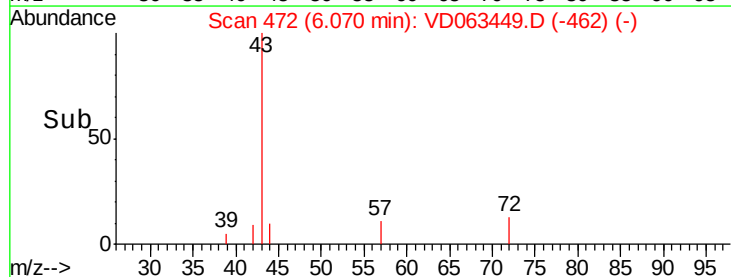
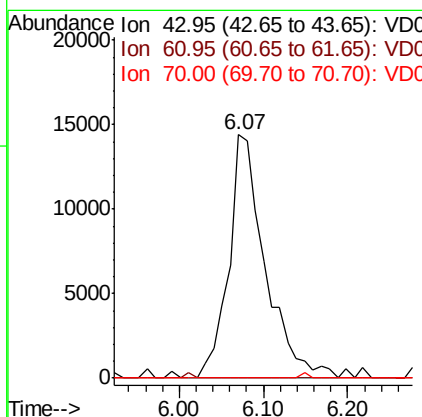
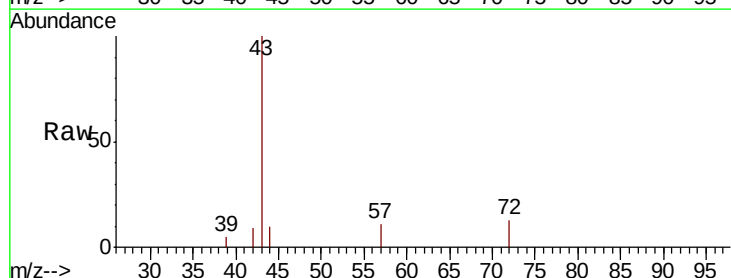
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-9

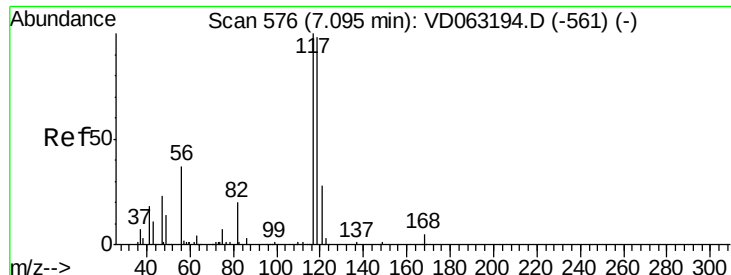
Tgt Ion: 75 Resp: 70534
 Ion Ratio Lower Upper
 75 100
 110 5.6 16.1 48.2#
 77 0.0 22.7 34.1#



#37
 Ethyl Acetate
 Concen: 7.675 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. -0.10 min
 Lab File: VD063449.D
 Acq: 8 Aug 2019 20:08

Tgt Ion: 43 Resp: 43246
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.088 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

SP-9

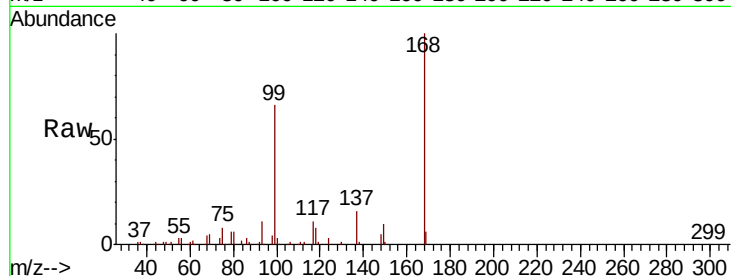
Tgt Ion:117 Resp: 96075

Ion Ratio Lower Upper

117 100

119 8.0 78.2 117.2#

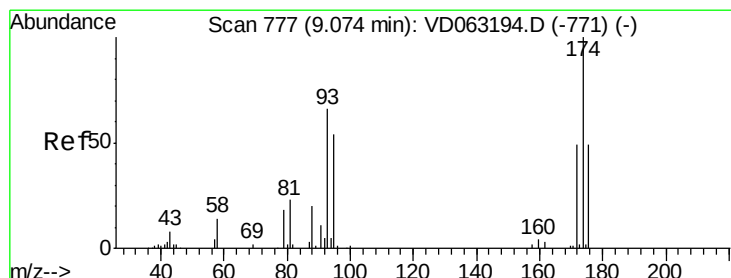
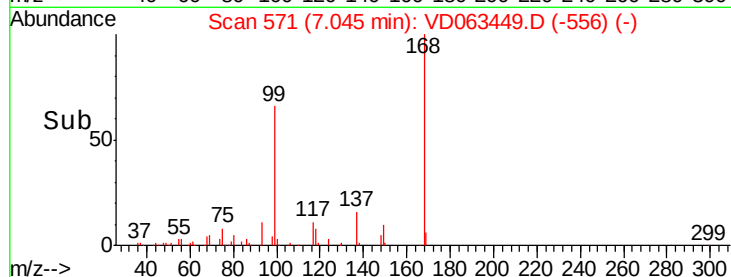
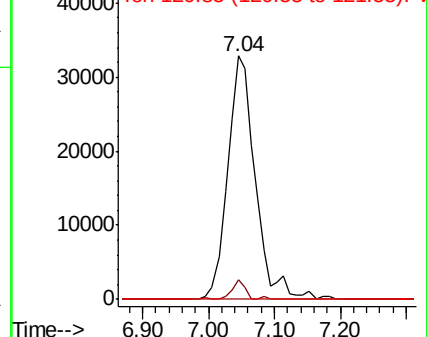
121 0.0 22.1 33.1#



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



#49

1,4-Dioxane

Concen: 1.503 ug/l

RT: 9.34 min Scan# 804

Delta R.T. 0.27 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

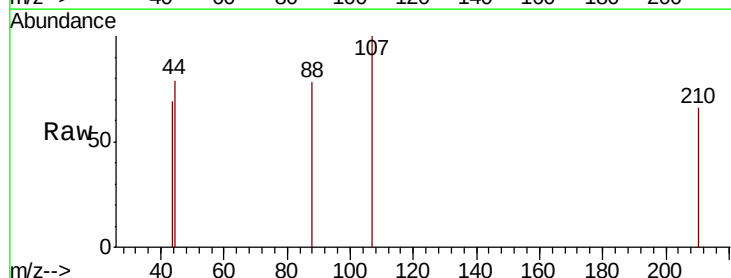
Tgt Ion: 88 Resp: 222

Ion Ratio Lower Upper

88 100

43 88.0 30.7 46.1#

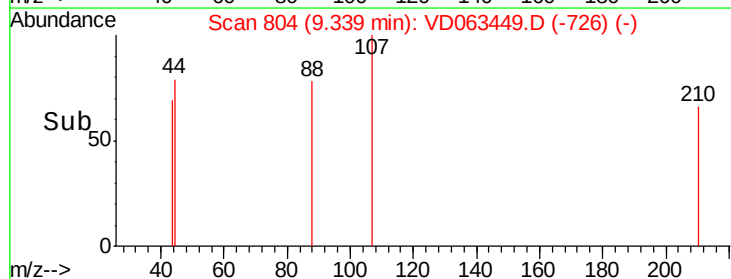
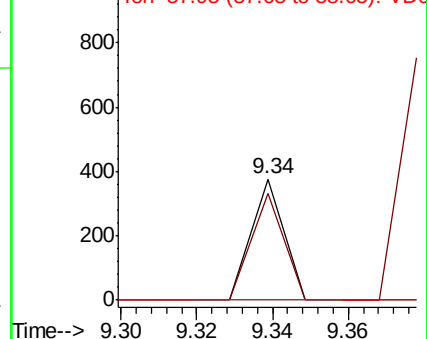
58 0.0 56.5 84.7#

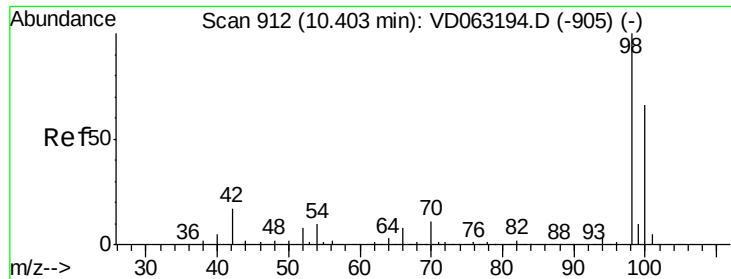


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

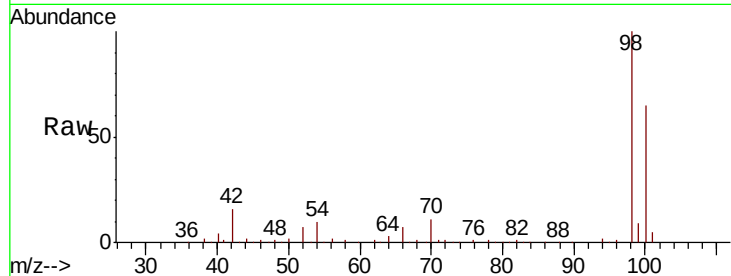




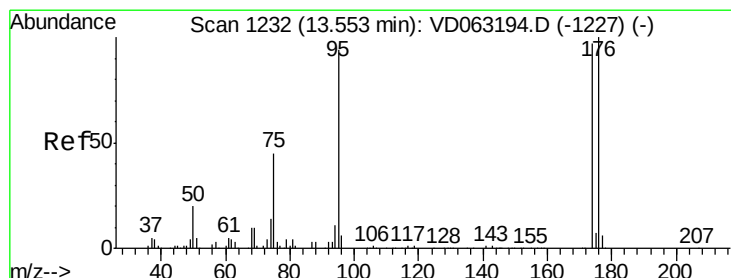
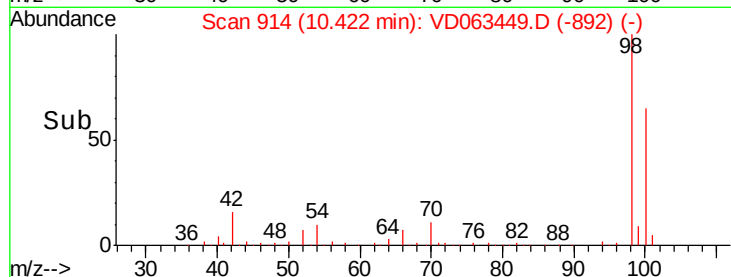
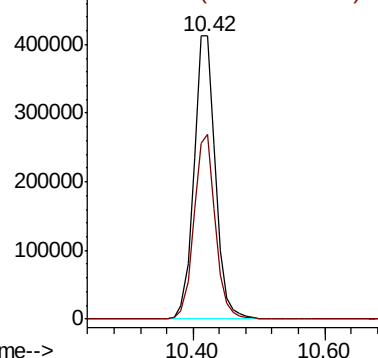
#50
Toluene-d8
Concen: 35.675 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

Instrument :
MSVOA_D
ClientSampleId :
SP-9

Tgt Ion: 98 Resp: 936844
Ion Ratio Lower Upper
98 100
100 65.2 53.2 79.8

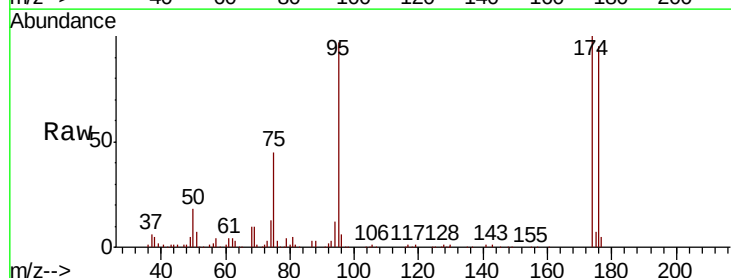


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

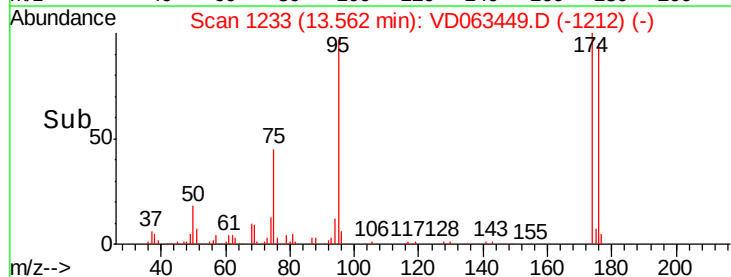
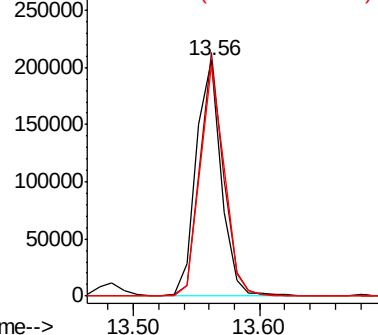


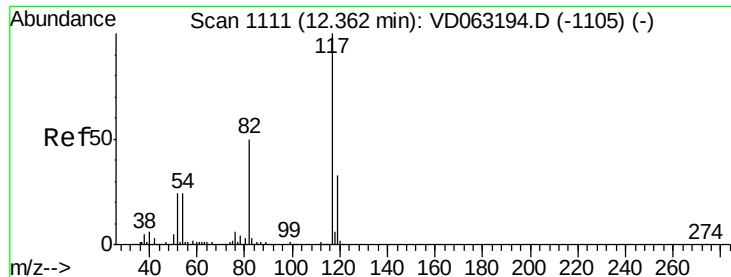
#62
4-Bromofluorobenzene
Concen: 23.854 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

Tgt Ion: 95 Resp: 285454
Ion Ratio Lower Upper
95 100
174 103.4 0.0 205.4
176 98.0 0.0 211.8



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

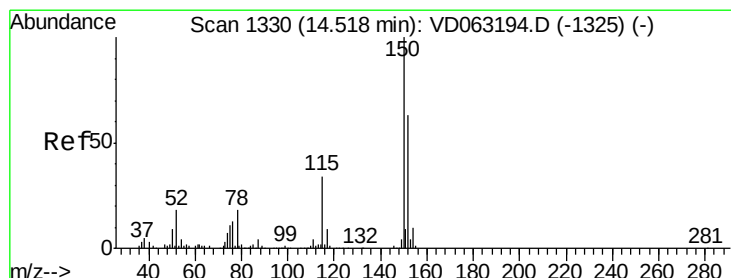
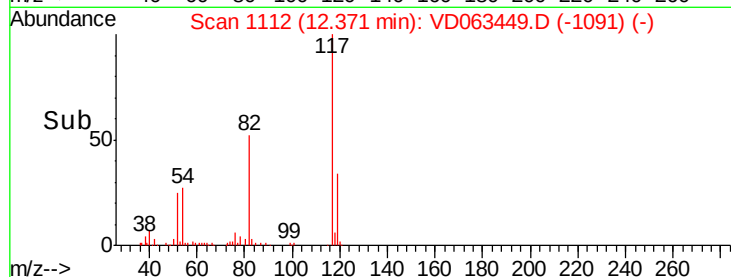
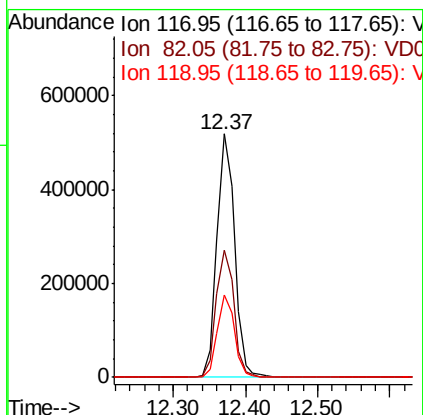
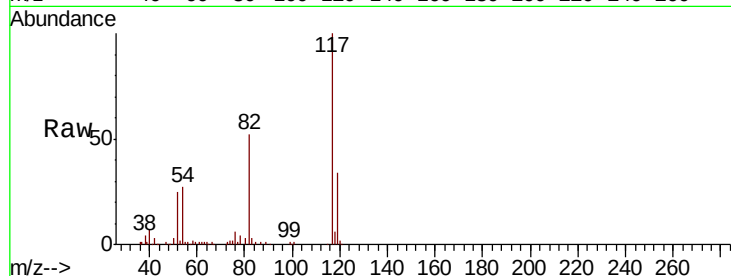




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

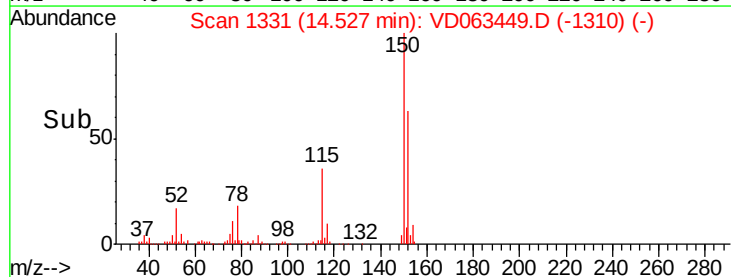
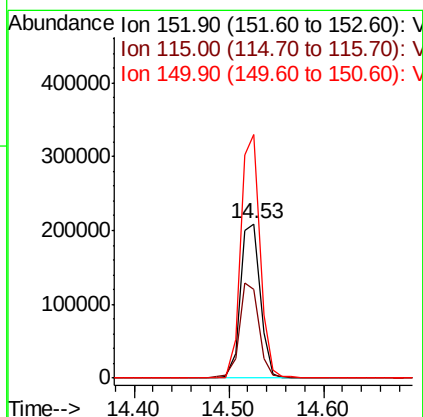
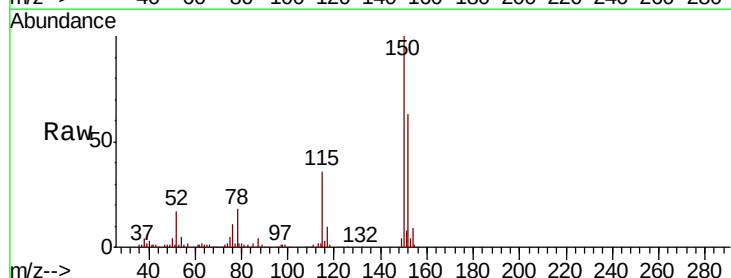
Instrument :
MSVOA_D
ClientSampleId :
SP-9

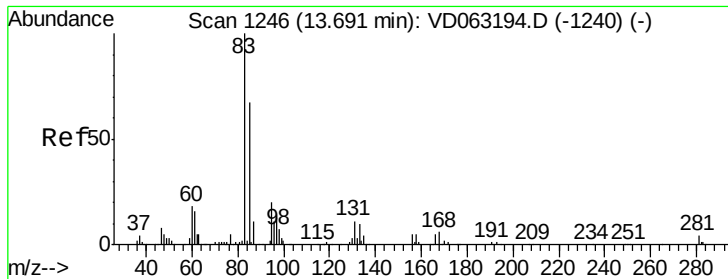
Tgt Ion:117 Resp: 869172
Ion Ratio Lower Upper
117 100
82 52.4 40.1 60.1
119 33.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

Tgt Ion:152 Resp: 304514
Ion Ratio Lower Upper
152 100
115 57.0 27.5 82.4
150 157.6 0.0 320.6





#75

1,1,2,2-Tetrachloroethane

Concen: 1.746 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.03 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

SP-9

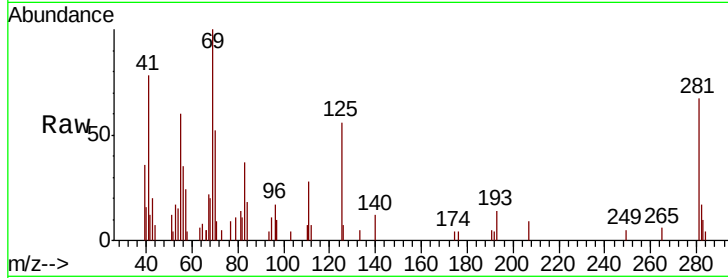
Tgt Ion: 83 Resp: 5669

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

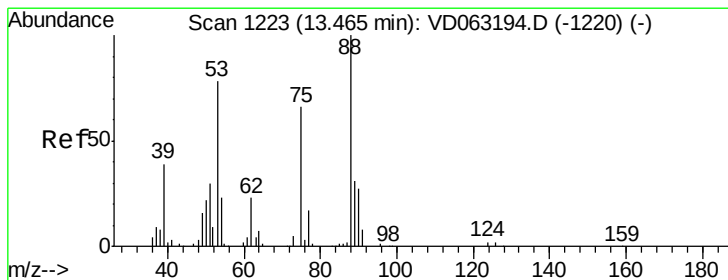
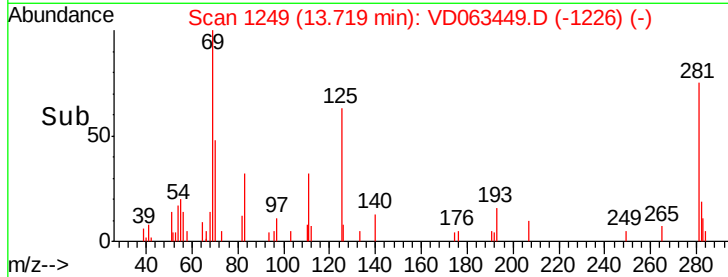
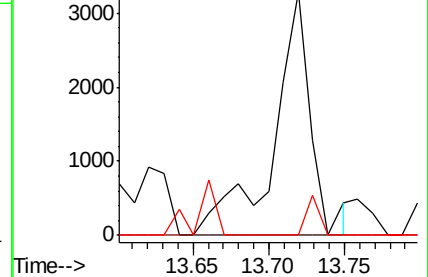
85 0.0 33.7 101.1#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 130.493 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

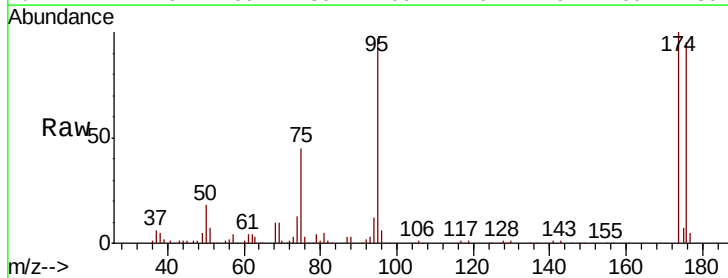
Tgt Ion: 75 Resp: 132534

Ion Ratio Lower Upper

75 100

53 0.5 94.9 142.3#

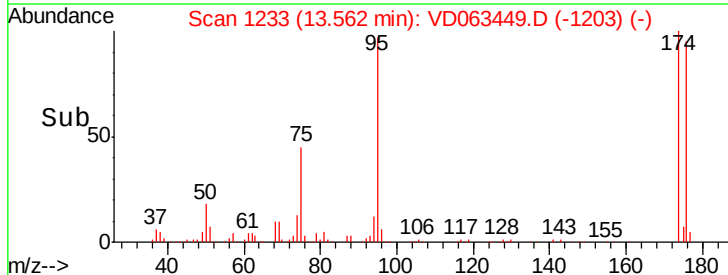
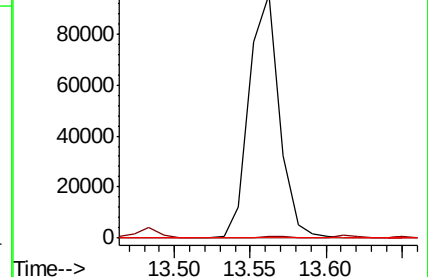
89 0.0 37.4 56.0#

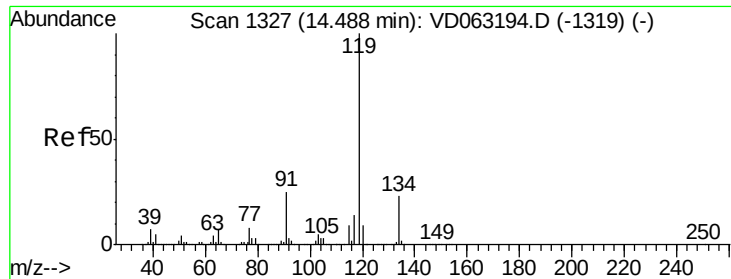


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#86
 p-Isopropyltoluene
 Concen: 2.561 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063449.D
 Acq: 8 Aug 2019 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-9

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.0	11.5	34.5
91	23.1	12.6	37.6

