

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063402.D
 Acq On : 6 Aug 2019 16:43
 Operator : JC/SY
 Sample : K4165-05
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-SHALLOW-PIPE-SOIL

Quant Time: Aug 07 06:43:02 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	670076	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	939562	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	691497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	270333	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	384915	51.77	ug/l	0.01
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	6.93	113	402559	50.18	ug/l	0.02
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.42	98	670449	37.34	ug/l	0.01
Spiked Amount			Recovery	=	74.68%	
62) 4-Bromofluorobenzene	13.56	95	280193	34.25	ug/l	0.00
Spiked Amount			Recovery	=	68.50%	

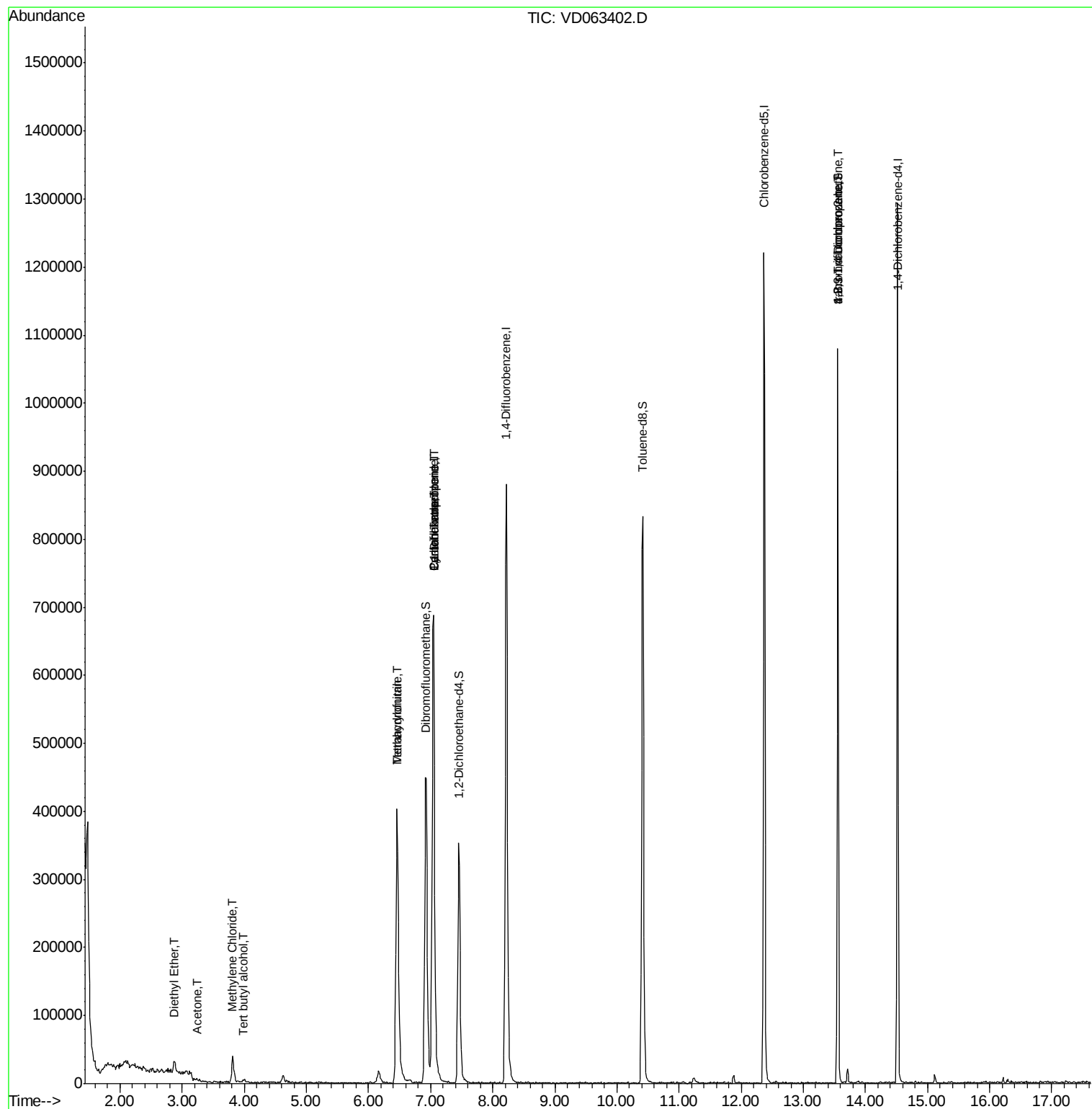
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	5584	3.122	ug/l	91
11) Tert butyl alcohol	3.99	59	2628	8.054	ug/l #	69
16) Acetone	3.24	43	4033	2.784	ug/l #	62
20) Methylene Chloride	3.81	84	24230	4.138	ug/l #	85
29) Tetrahydrofuran	6.46	42	325454	472.822	ug/l	97
31) Cyclohexane	7.04	56	13395	2.023	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	49265	5.745	ug/l #	54
38) Carbon Tetrachloride	7.05	117	61416	4.758	ug/l #	13
41) Methacrylonitrile	6.46	41	245345	53.242	ug/l #	91
76) 1,2,3-Trichloropropane	13.56	75	85880	26.449	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	122208	135.540	ug/l #	3

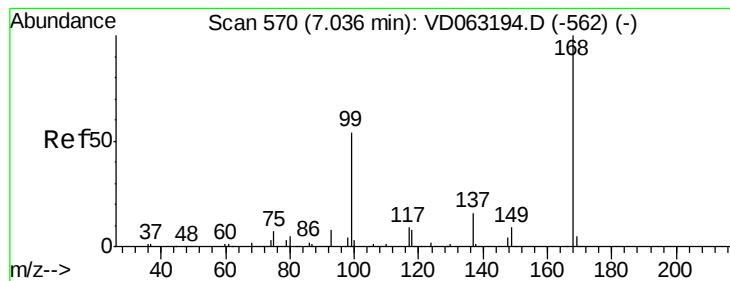
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
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Quant Time: Aug 07 06:43:02 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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

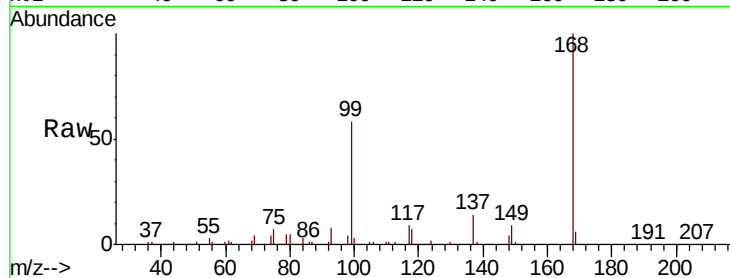
CP-SHALLOW-PIPE-SOIL

Tgt Ion:168 Resp: 670076

Ion Ratio Lower Upper

168 100

99 57.8 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

250000

200000

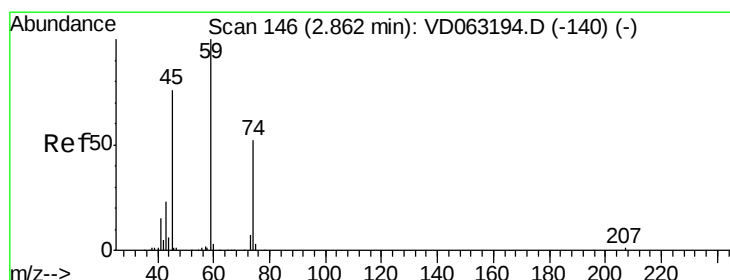
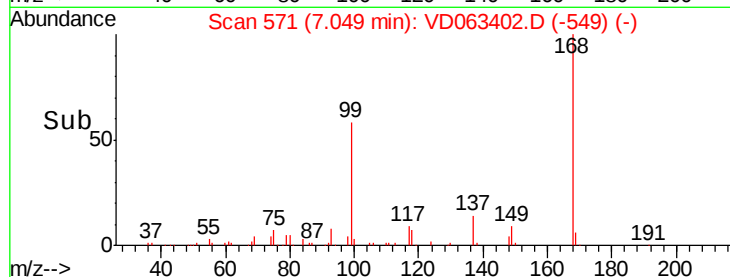
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.122 ug/l

RT: 2.87 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063402.D

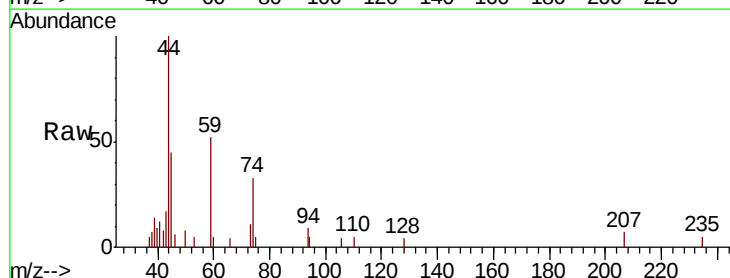
Acq: 6 Aug 2019 16:43

Tgt Ion: 74 Resp: 5584

Ion Ratio Lower Upper

74 100

45 136.2 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.87

4000

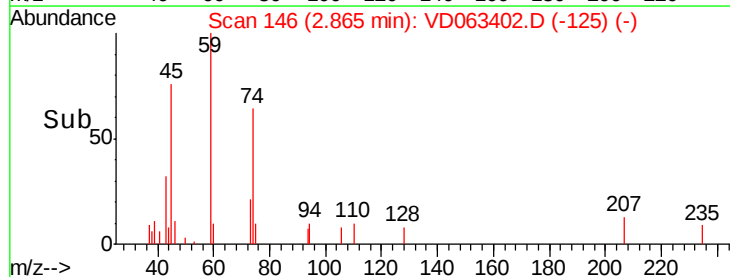
3000

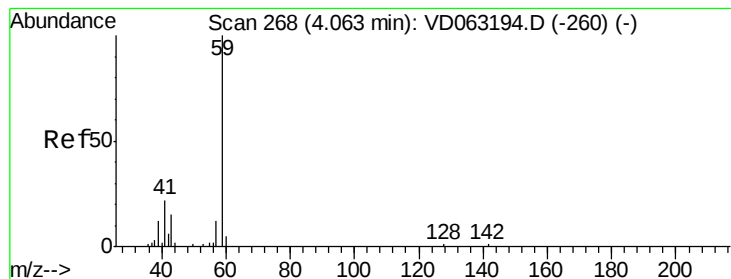
2000

1000

0

Time-->



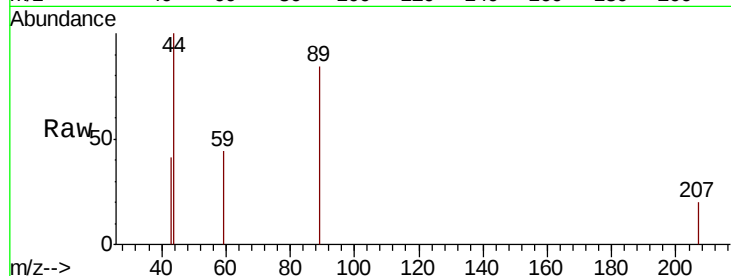


#11

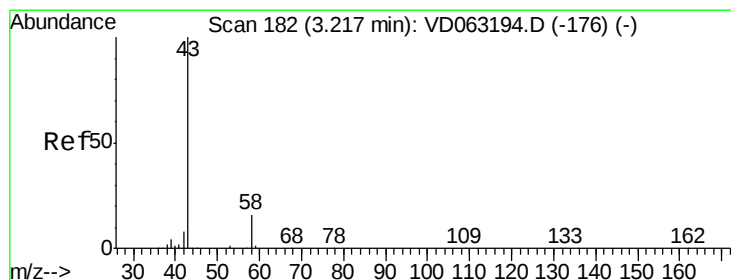
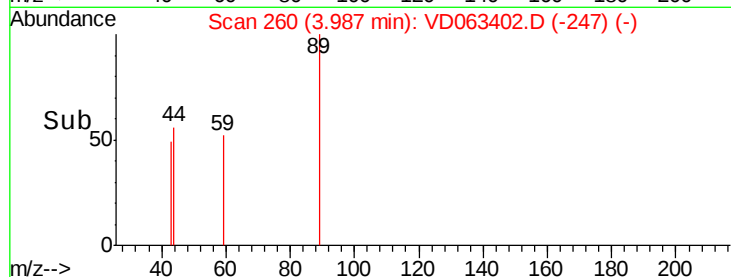
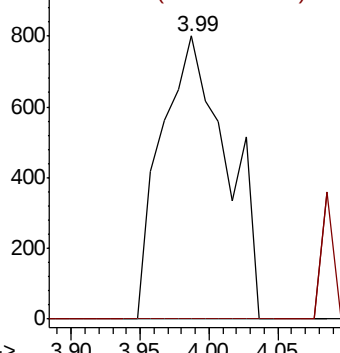
Tert butyl alcohol
 Concen: 8.054 ug/l
 RT: 3.99 min Scan# 260
 Delta R.T. -0.08 min
 Lab File: VD063402.D
 Acq: 6 Aug 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-SHALLOW-PIPE-SOIL

Tgt Ion: 59 Resp: 2628
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#



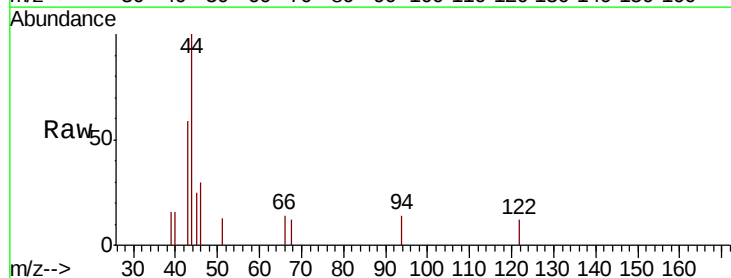
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



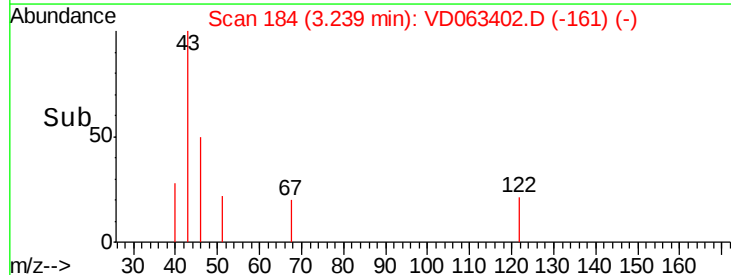
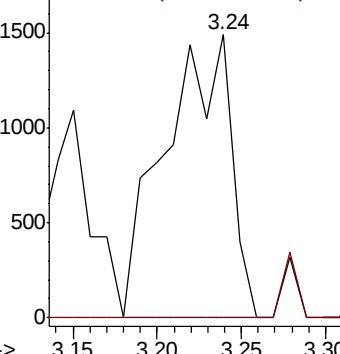
#16

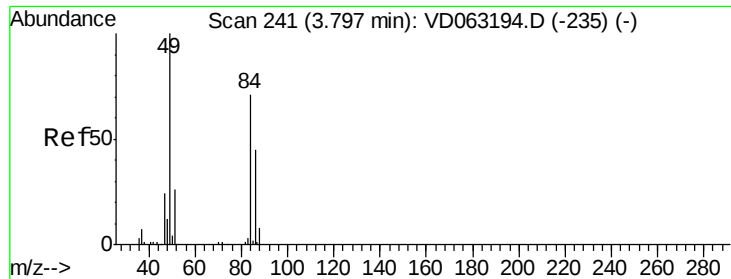
Acetone
 Concen: 2.784 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD063402.D
 Acq: 6 Aug 2019 16:43

Tgt Ion: 43 Resp: 4033
 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

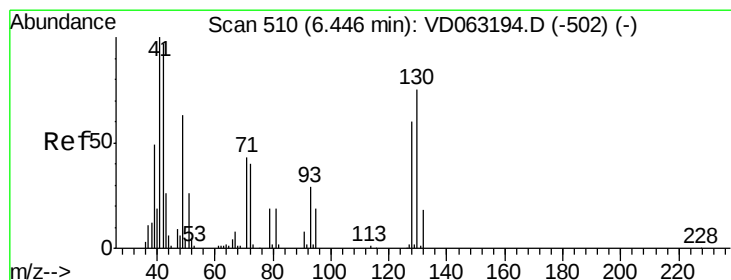
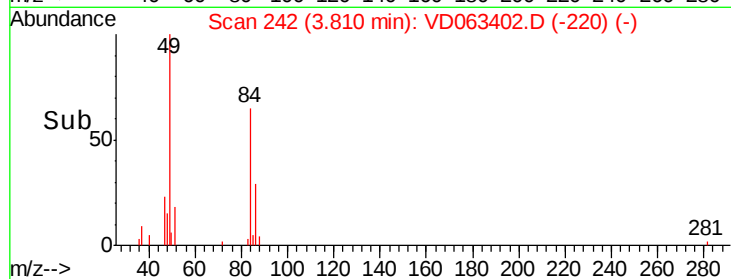
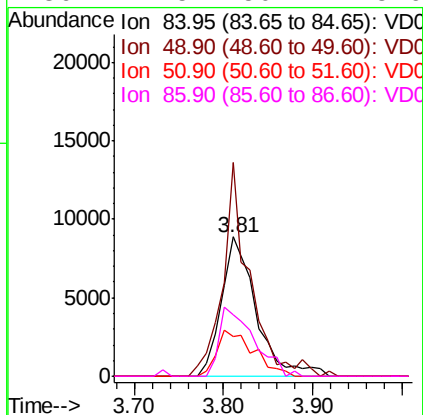
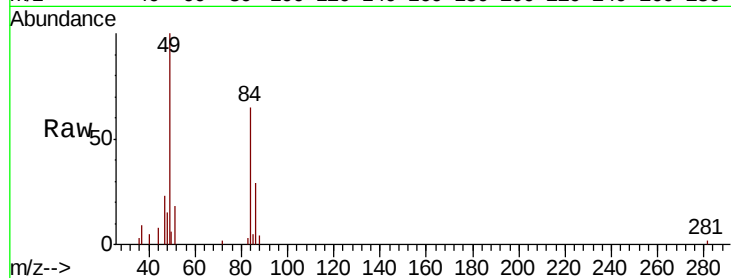




#20
Methylene Chloride
Concen: 4.138 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063402.D
Acq: 6 Aug 2019 16:43

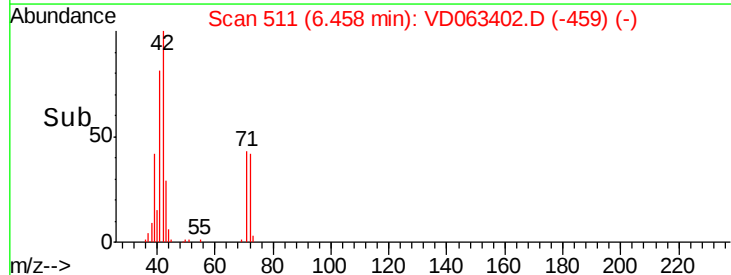
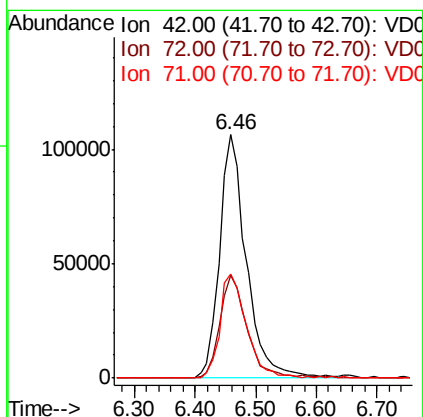
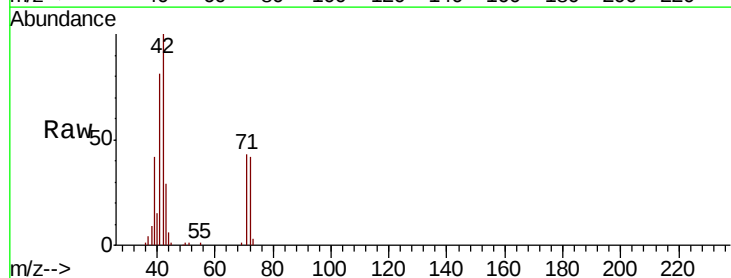
Instrument :
MSVOA_D
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

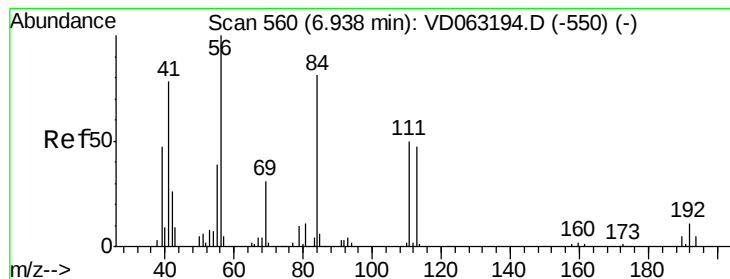
Tgt Ion: 84 Resp: 24230
Ion Ratio Lower Upper
84 100
49 153.4 112.5 168.7
51 28.3 29.6 44.4#
86 44.5 50.4 75.6#



#29
Tetrahydrofuran
Concen: 472.822 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063402.D
Acq: 6 Aug 2019 16:43

Tgt Ion: 42 Resp: 325454
Ion Ratio Lower Upper
42 100
72 43.0 33.4 50.2
71 42.6 35.7 53.5





#31

Cyclohexane

Concen: 2.023 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

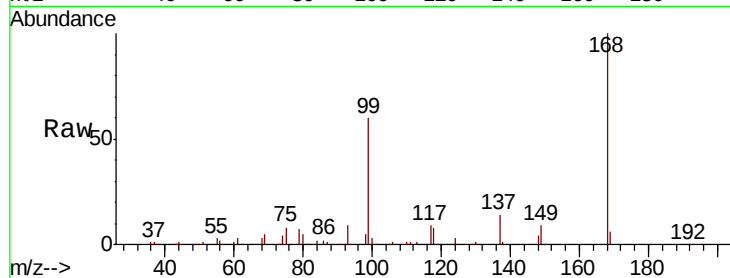
Tgt Ion: 56 Resp: 13395

Ion Ratio Lower Upper

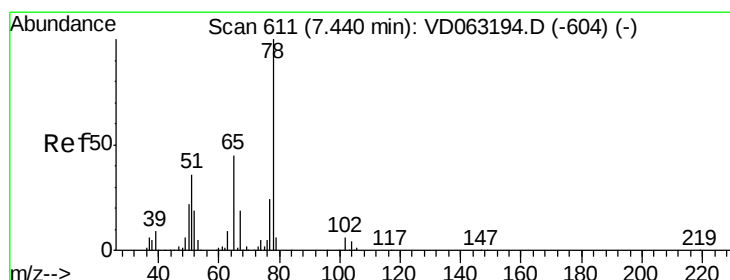
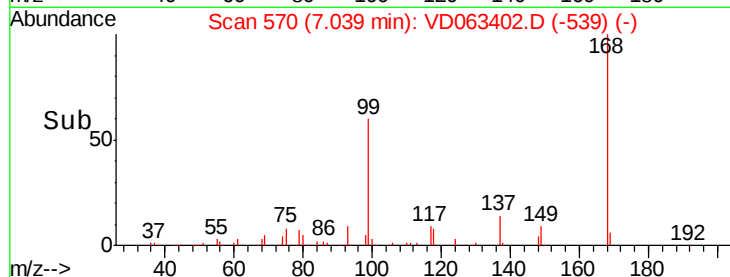
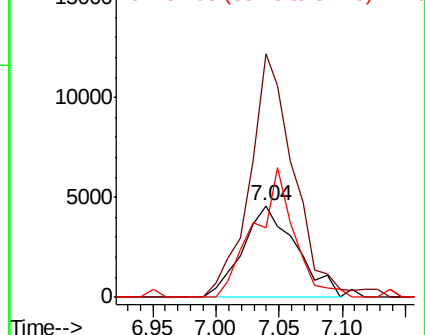
56 100

69 265.7 24.5 36.7#

84 75.8 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: 51.770 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063402.D

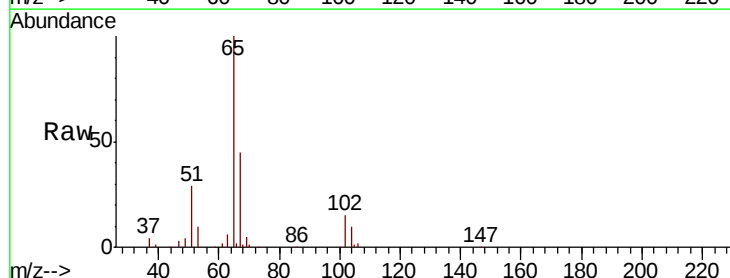
Acq: 6 Aug 2019 16:43

Tgt Ion: 65 Resp: 384915

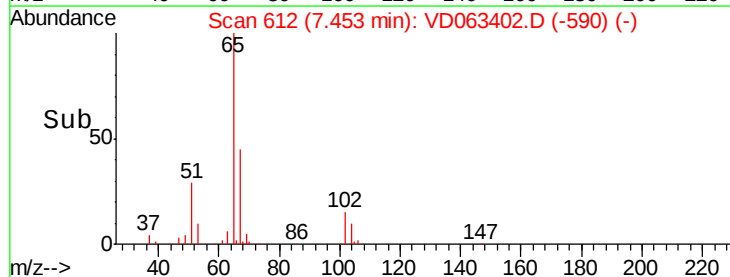
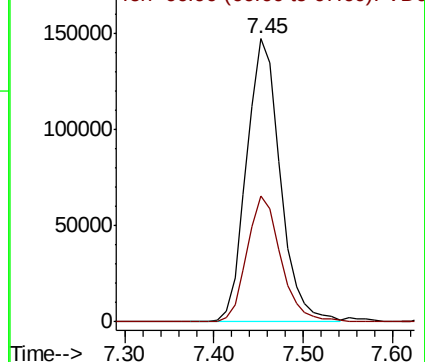
Ion Ratio Lower Upper

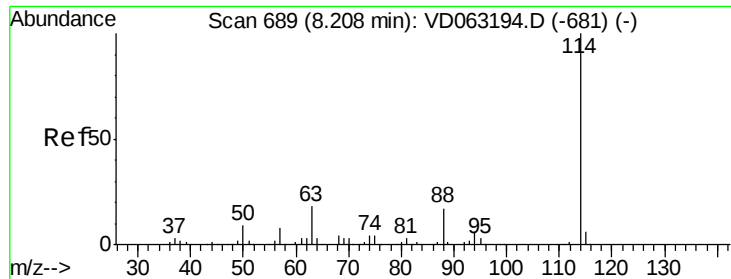
65 100

67 44.6 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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

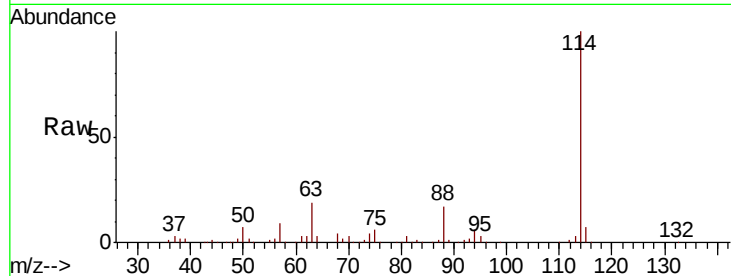
Tgt Ion:114 Resp: 939562

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.2

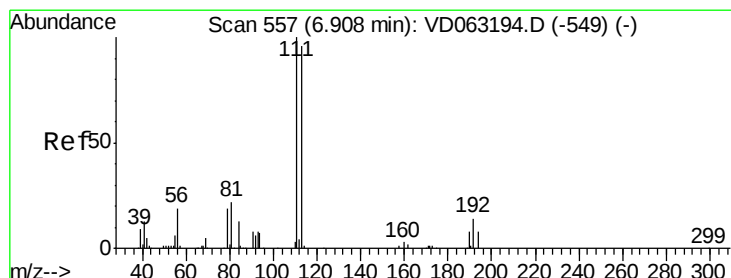
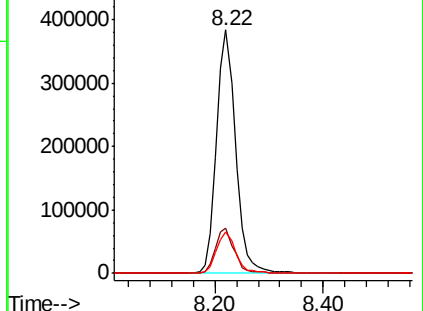
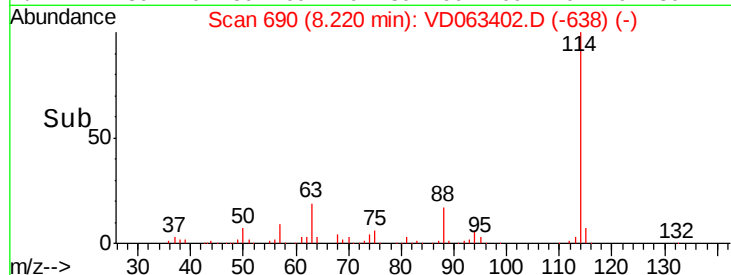
88 17.3 0.0 34.6



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: 50.183 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

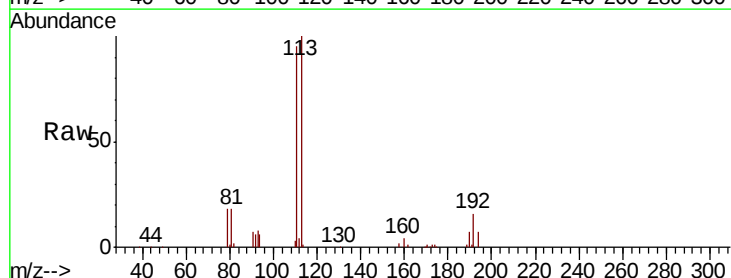
Tgt Ion:113 Resp: 402559

Ion Ratio Lower Upper

113 100

111 94.9 83.2 124.8

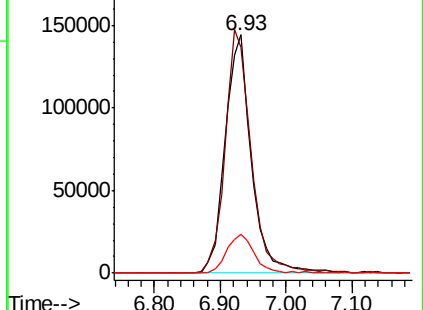
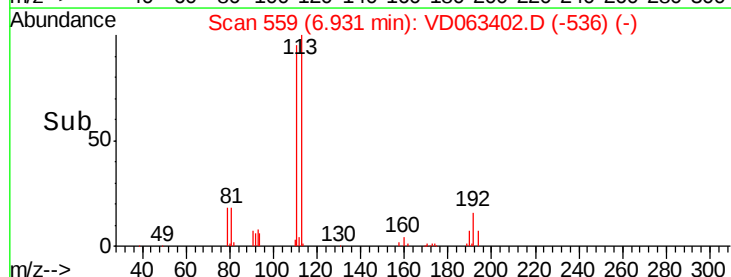
192 16.1 11.8 17.8

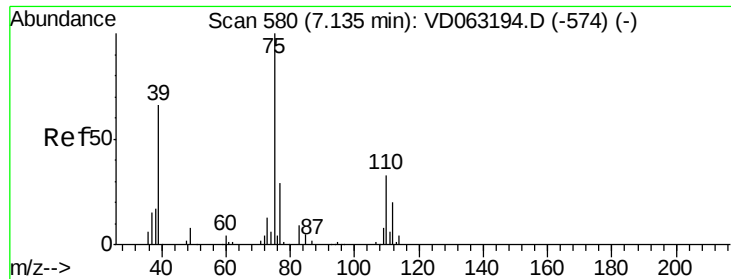


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

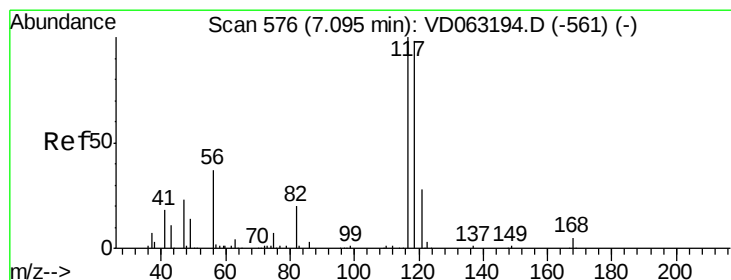
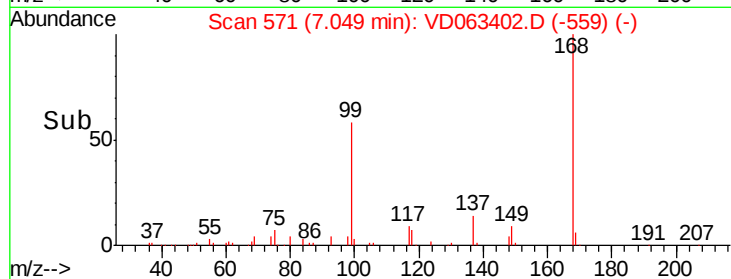
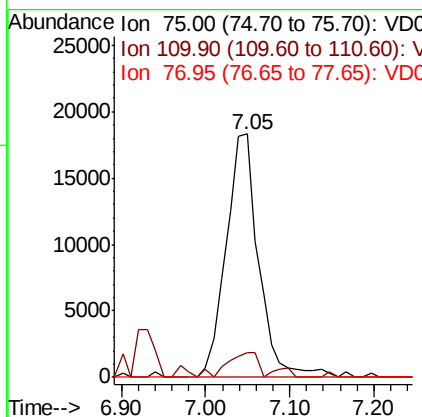
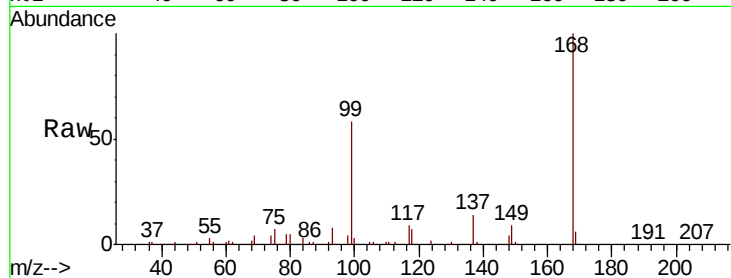




#36
 1,1-Dichloropropene
 Concen: 5.745 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063402.D
 Acq: 6 Aug 2019 16:43

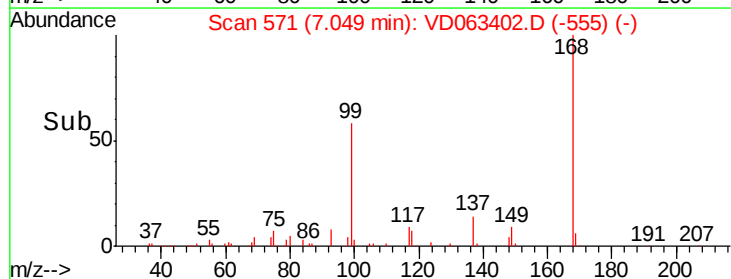
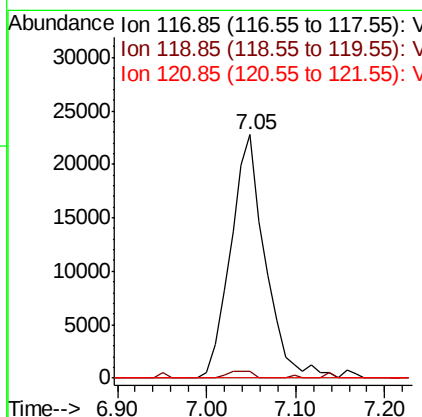
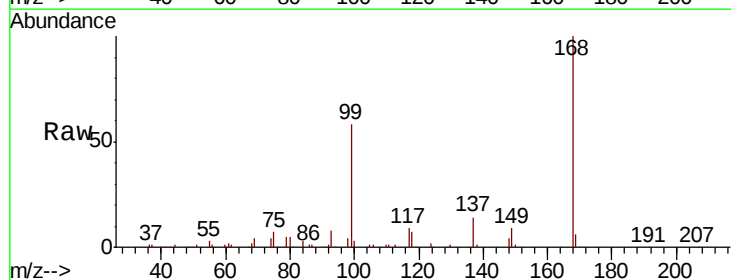
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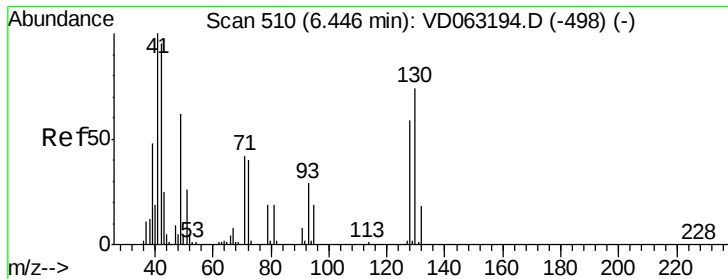
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	16.1	48.2#
77	0.0	22.7	34.1#



#38
 Carbon Tetrachloride
 Concen: 4.758 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063402.D
 Acq: 6 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.6	78.2	117.2#
121	0.0	22.1	33.1#





#41

Methacrylonitrile

Concen: 53.242 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

Tgt Ion: 41 Resp: 245345

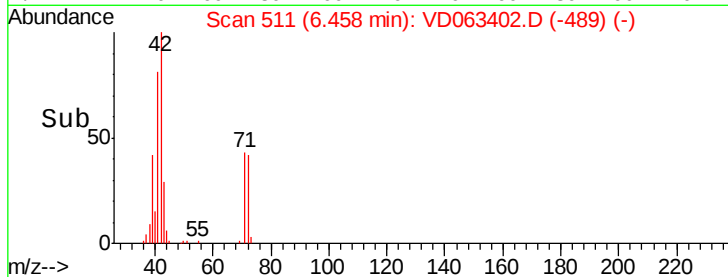
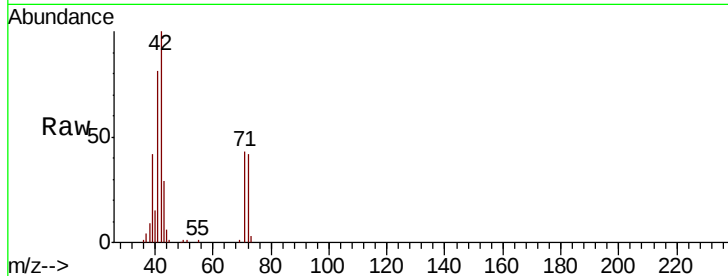
Ion Ratio Lower Upper

41 100

39 51.6 38.4 57.6

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

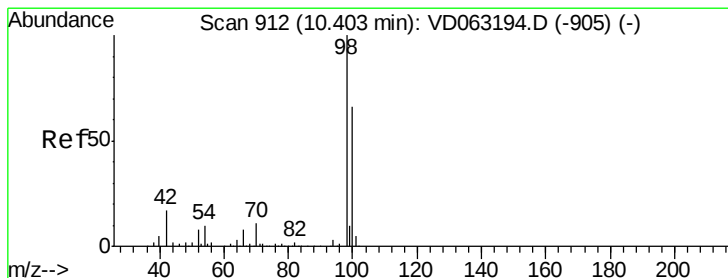
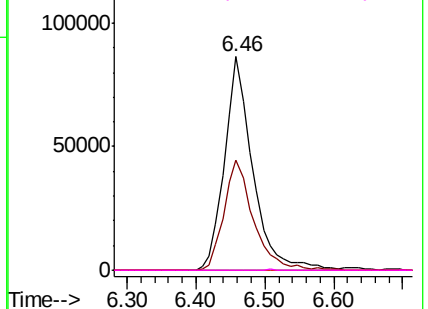


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 37.345 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063402.D

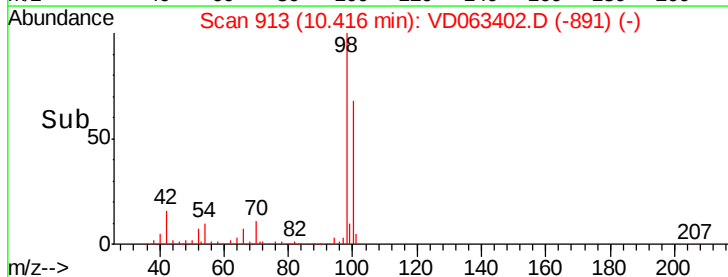
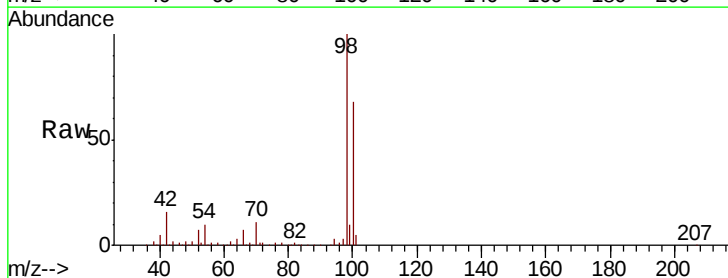
Acq: 6 Aug 2019 16:43

Tgt Ion: 98 Resp: 670449

Ion Ratio Lower Upper

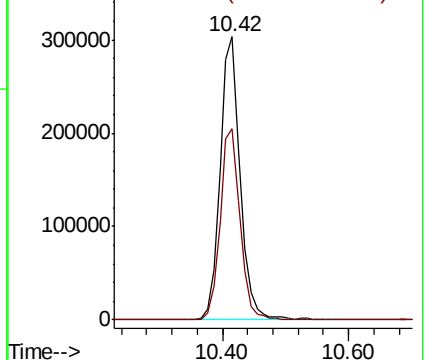
98 100

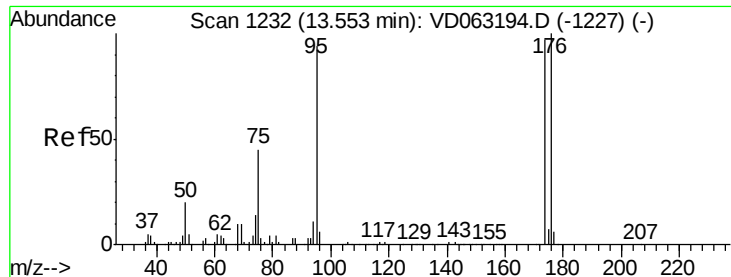
100 67.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

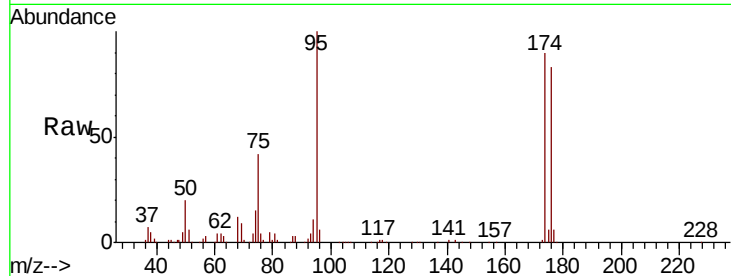




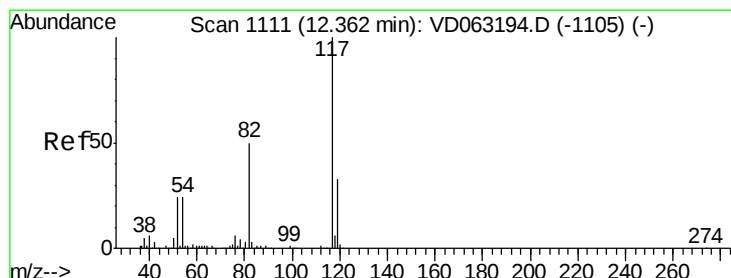
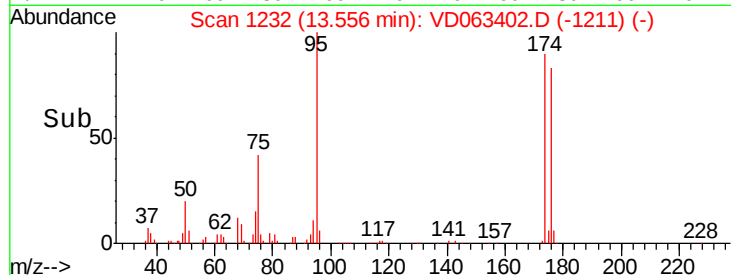
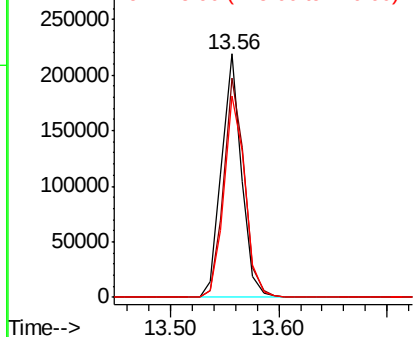
#62
4-Bromofluorobenzene
Concen: 34.249 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063402.D
Acq: 6 Aug 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

Tgt Ion: 95 Resp: 280193
Ion Ratio Lower Upper
95 100
174 90.2 0.0 205.4
176 82.6 0.0 211.8

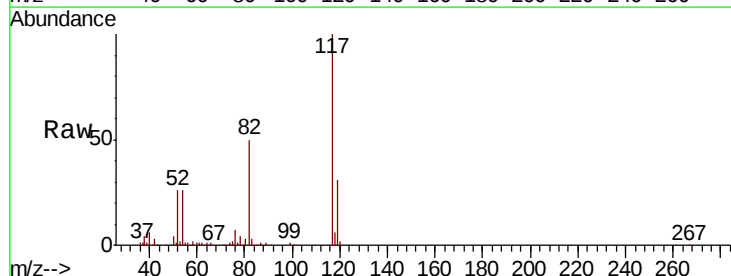


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

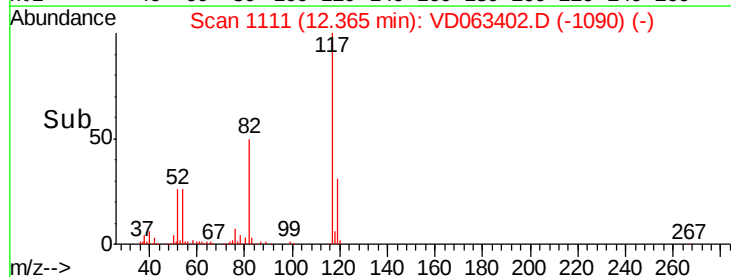
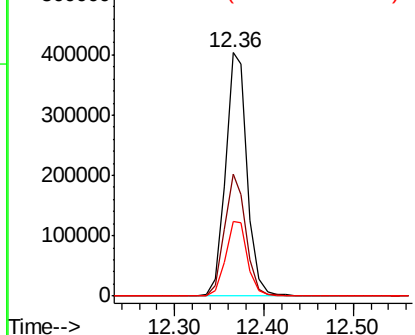


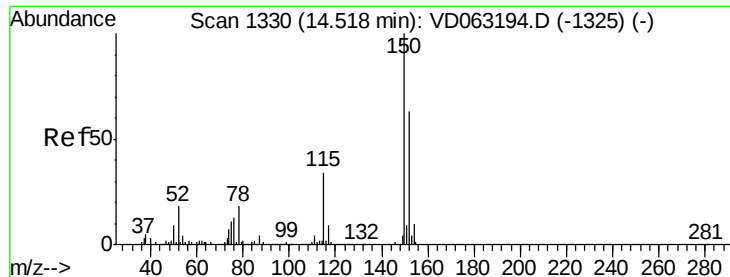
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063402.D
Acq: 6 Aug 2019 16:43

Tgt Ion: 117 Resp: 691497
Ion Ratio Lower Upper
117 100
82 50.4 40.1 60.1
119 30.9 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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

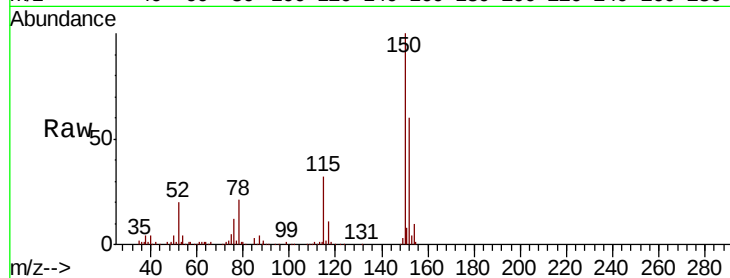
Tgt Ion:152 Resp: 270333

Ion Ratio Lower Upper

152 100

115 53.7 27.5 82.4

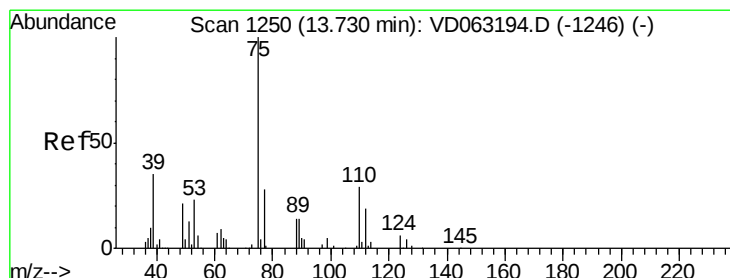
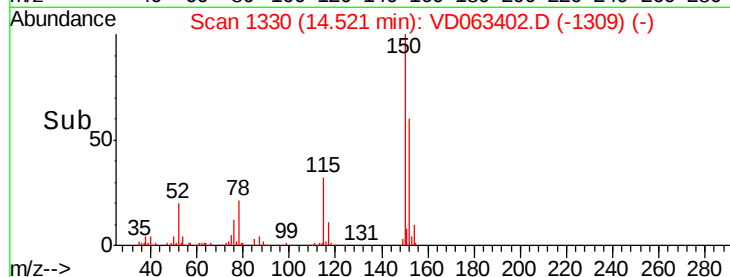
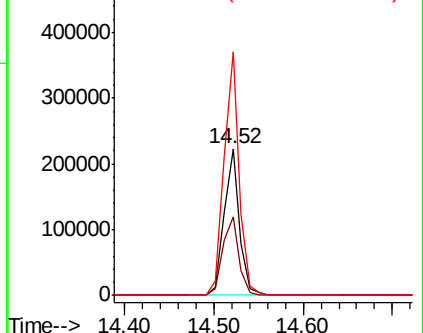
150 166.4 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 26.449 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063402.D

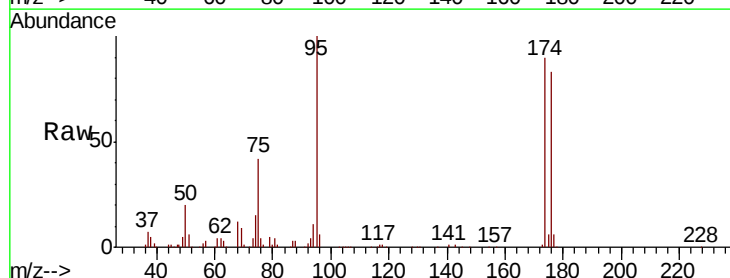
Acq: 6 Aug 2019 16:43

Tgt Ion: 75 Resp: 85880

Ion Ratio Lower Upper

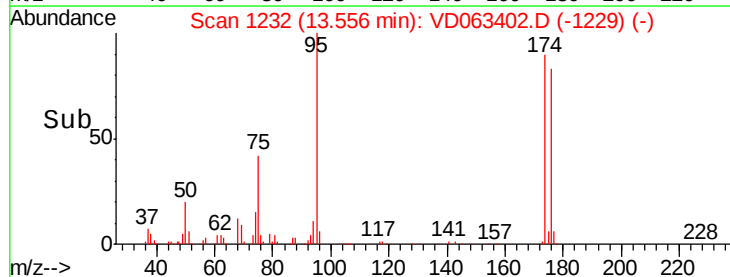
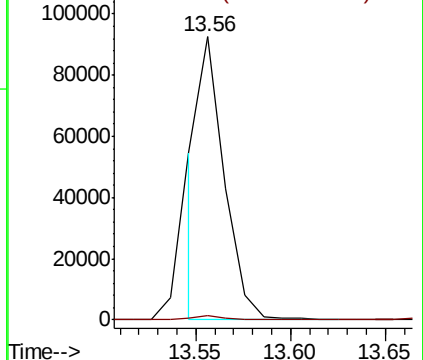
75 100

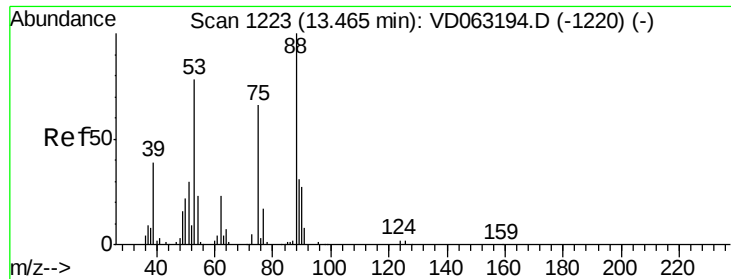
77 1.3 16.0 48.0#



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: 135.540 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063402.D

Acq: 6 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

Tgt Ion: 75 Resp: 122208

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

