

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
 Data File : VD064965.D
 Acq On : 27 Jan 2020 15:56
 Operator : VA/SY
 Sample : L1242-06RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20200054-FIELD-DUP-COMP

Quant Time: Jan 27 16:16:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	638039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	224407	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
35) Dibromofluoromethane	7.92	113	226786	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
50) Toluene-d8	10.34	98	839628	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.64	95	259206	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	

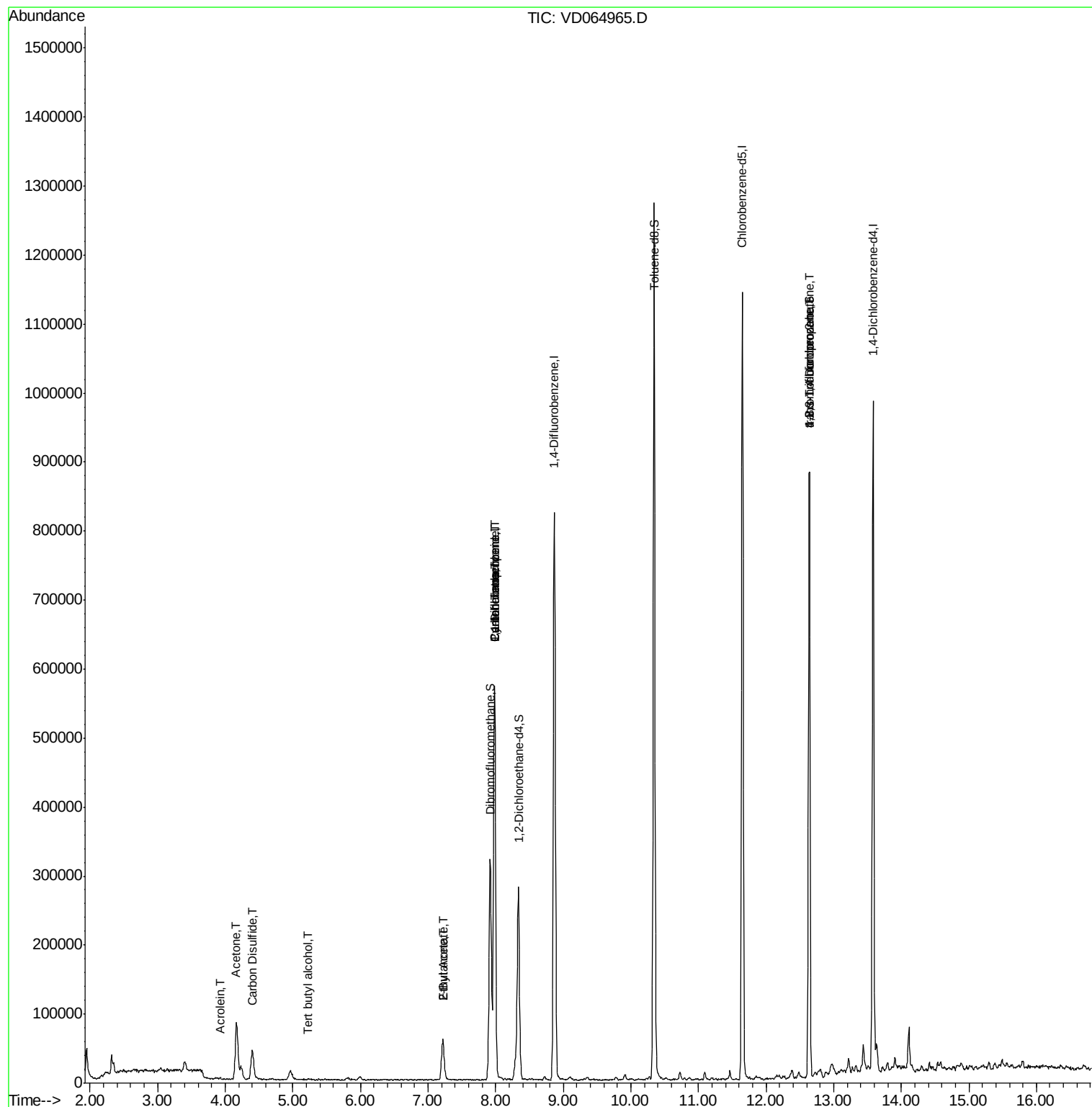
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	677	2.90	ug/l #	74
13) Acrolein	3.93	56	1610	5.51	ug/l #	78
16) Acetone	4.16	43	149101	144.26	ug/l	97
17) Carbon Disulfide	4.40	76	91094	7.23	ug/l	100
20) Methylene Chloride	4.96	84	8538	Below	Cal	92
25) 2-Butanone	7.23	43	43495	38.17	ug/l #	88
31) Cyclohexane	7.98	56	10268	1.40	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	33585	4.87	ug/l #	50
37) Ethyl Acetate	7.23	43	43495	15.28	ug/l #	77
38) Carbon Tetrachloride	7.98	117	42942	5.90	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	136654	66.34	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	136654	141.66	ug/l #	9

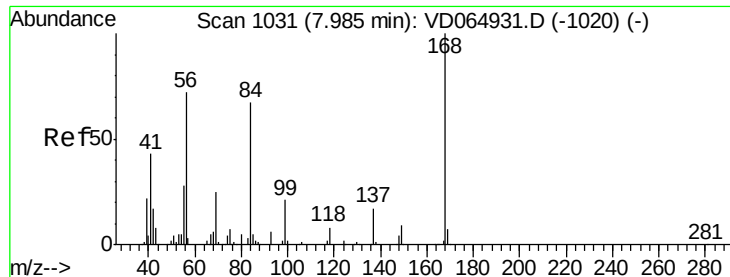
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064965.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

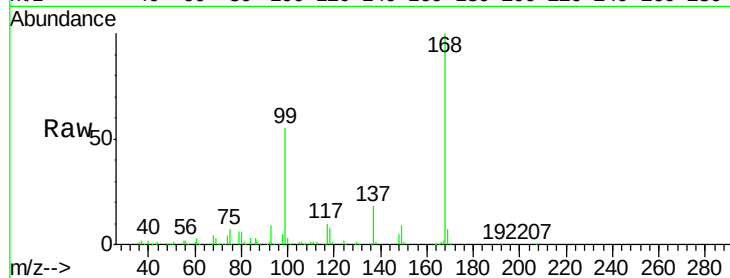
20200054-FIELD-DUP-COMP

Tgt Ion:168 Resp: 439754

Ion Ratio Lower Upper

168 100

99 54.9 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

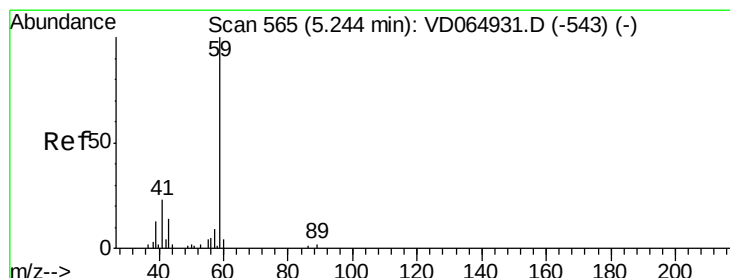
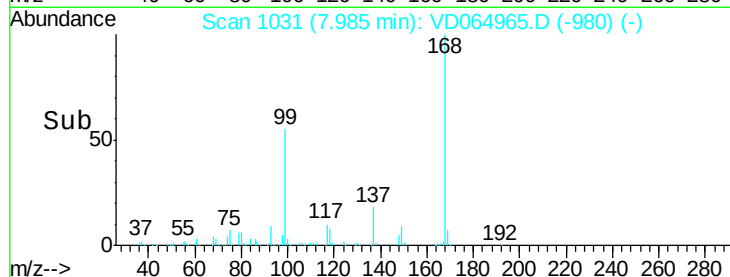
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.90 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD064965.D

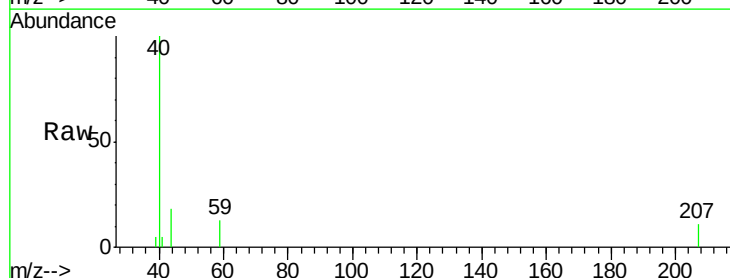
Acq: 27 Jan 2020 15:56

Tgt Ion: 59 Resp: 677

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

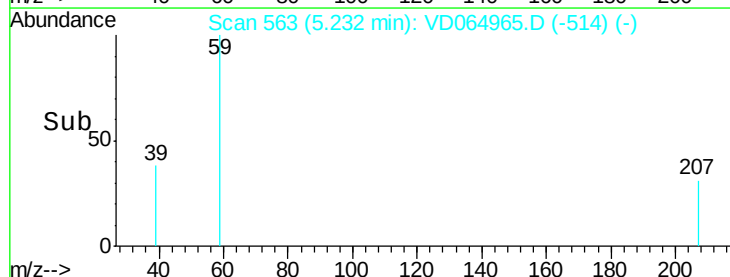
600

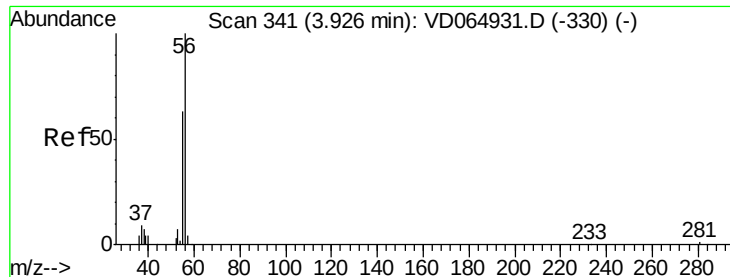
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200

0

Time-->

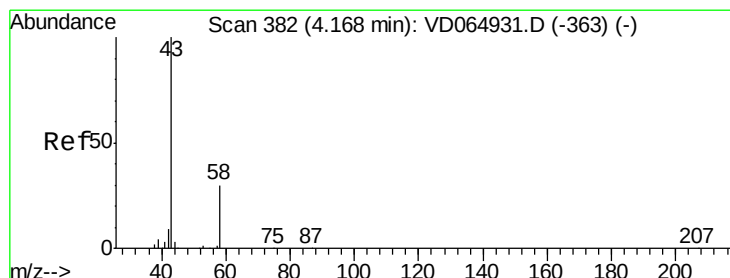
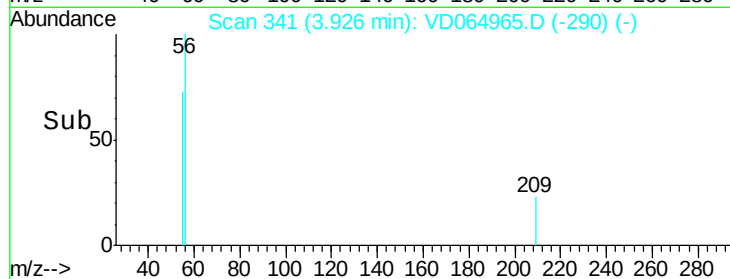
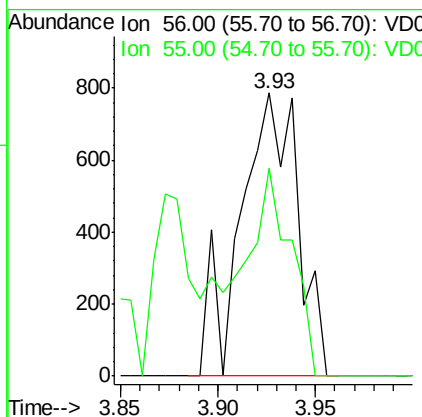
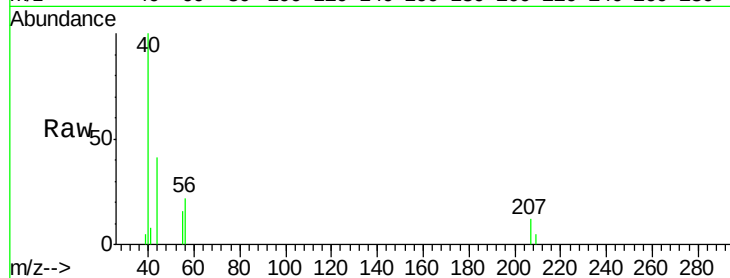




#13
Acrolein
Concen: 5.51 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064965.D
Acq: 27 Jan 2020 15:56

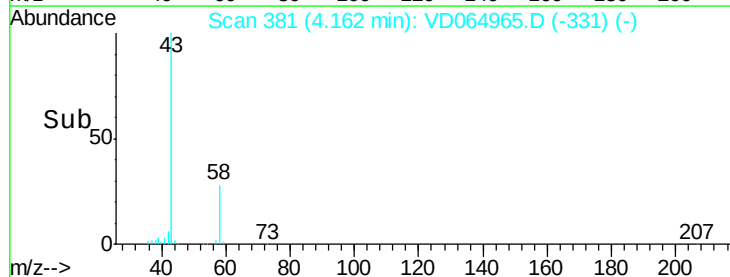
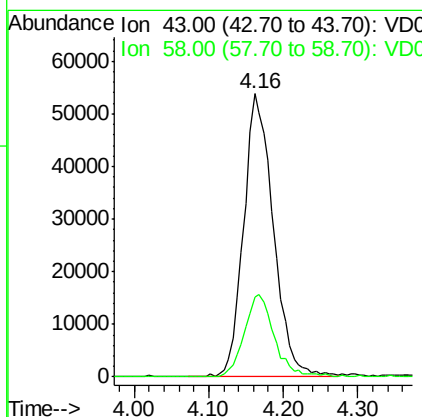
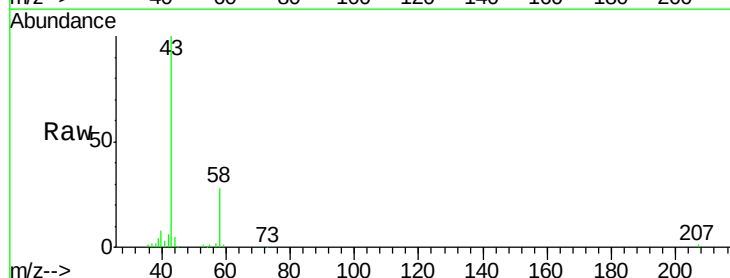
Instrument :
MSVOA_D
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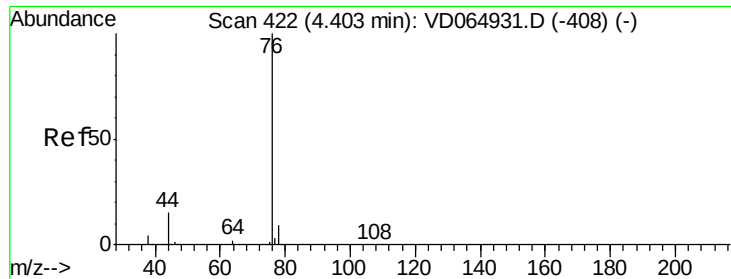
Tgt Ion: 56 Resp: 1610
Ion Ratio Lower Upper
56 100
55 55.9 59.7 89.5#



#16
Acetone
Concen: 144.26 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064965.D
Acq: 27 Jan 2020 15:56

Tgt Ion: 43 Resp: 149101
Ion Ratio Lower Upper
43 100
58 28.4 23.8 35.8

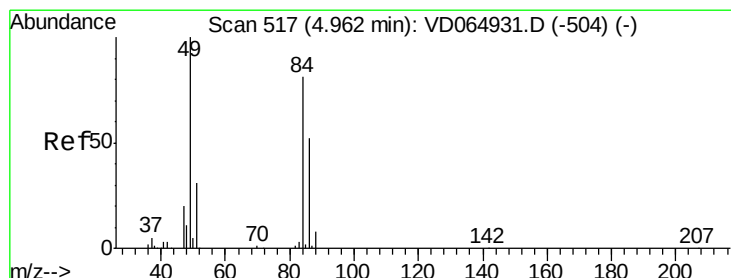
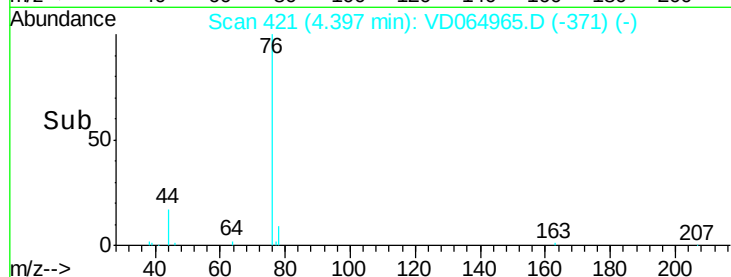
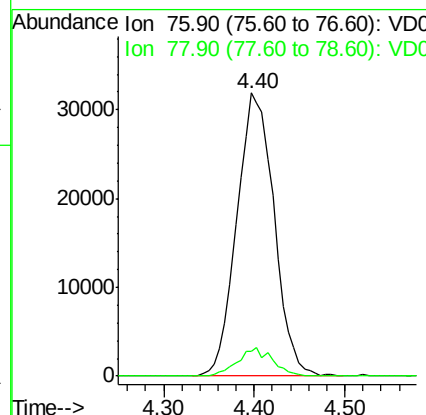
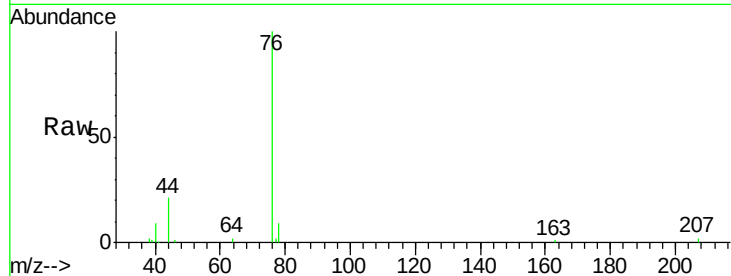




#17
Carbon Disulfide
Concen: 7.23 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064965.D
Acq: 27 Jan 2020 15:56

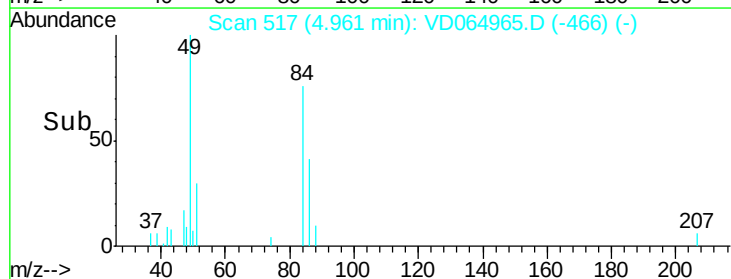
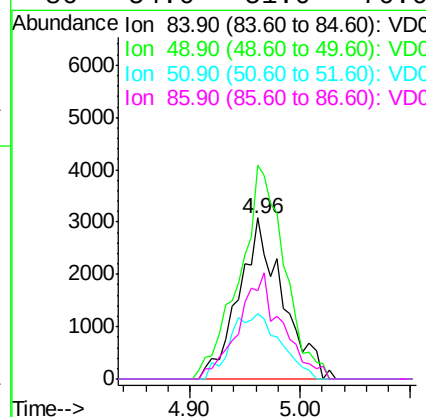
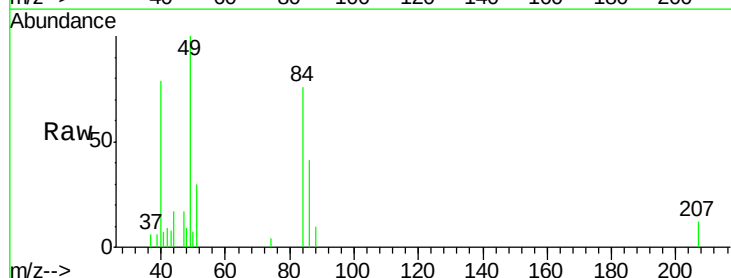
Instrument :
MSVOA_D
ClientSampleId :
20200054-FIELD-DUP-COMP

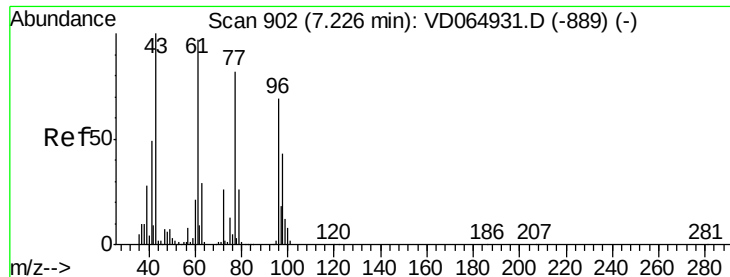
Tgt Ion: 76 Resp: 91094
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064965.D
Acq: 27 Jan 2020 15:56

Tgt Ion: 84 Resp: 8538
Ion Ratio Lower Upper
84 100
49 132.4 98.4 147.6
51 40.4 30.8 46.2
86 54.6 51.0 76.6





#25

2-Butanone

Concen: 38.17 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064965.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

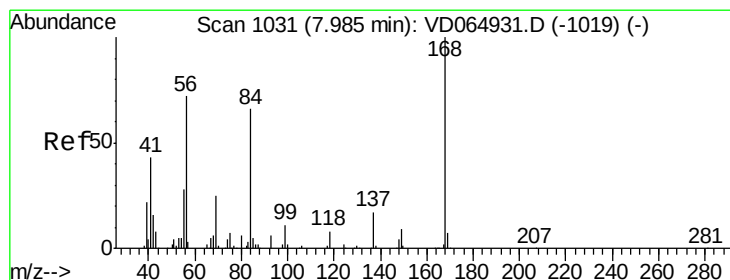
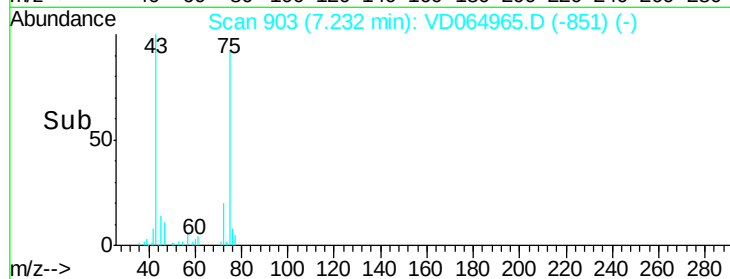
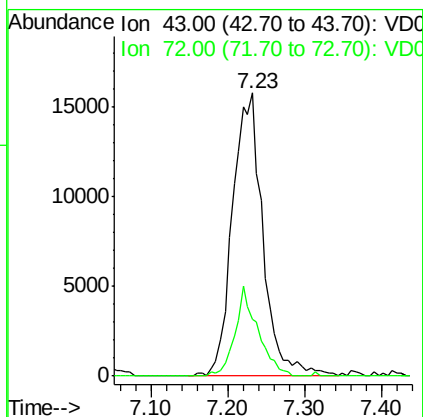
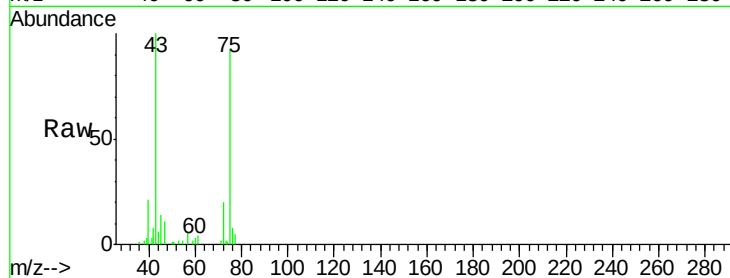
20200054-FIELD-DUP-COMP

Tgt Ion: 43 Resp: 43495

Ion Ratio Lower Upper

43 100

72 19.9 20.6 31.0#



#31

Cyclohexane

Concen: 1.40 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064965.D

Acq: 27 Jan 2020 15:56

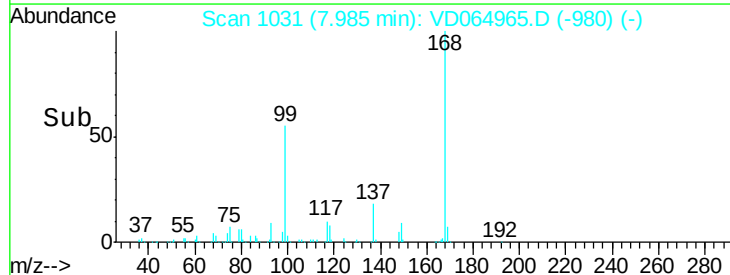
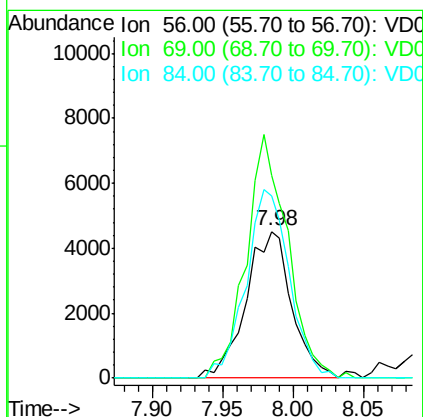
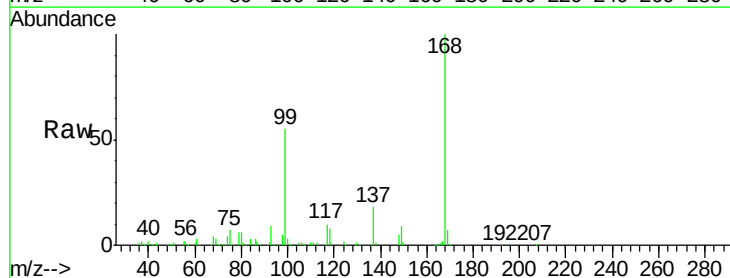
Tgt Ion: 56 Resp: 10268

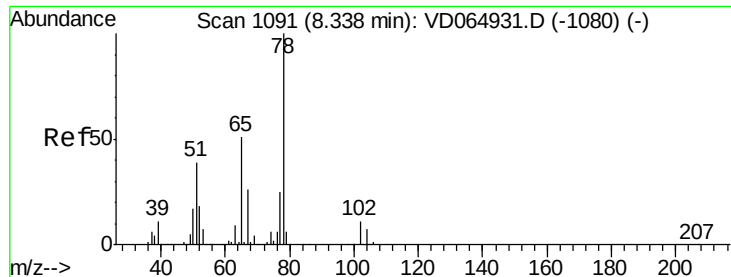
Ion Ratio Lower Upper

56 100

69 138.3 27.9 41.9#

84 123.7 72.8 109.2#

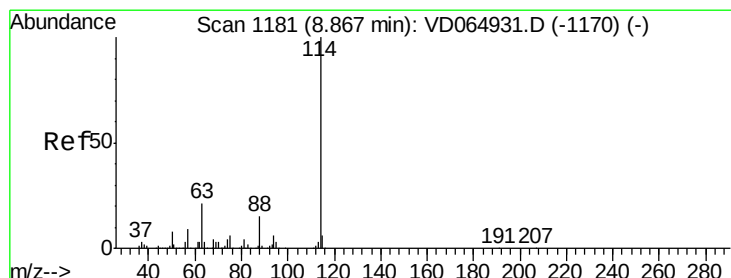
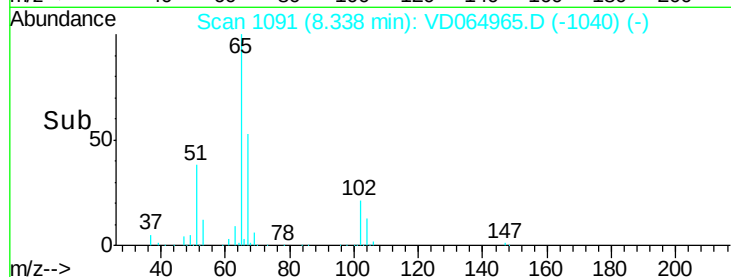
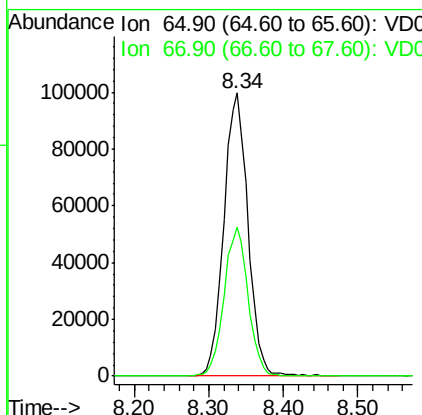
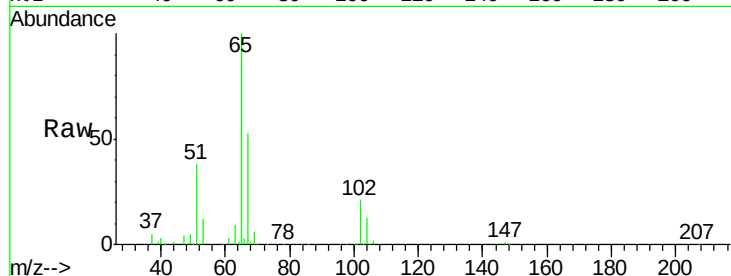




#33
 1,2-Dichloroethane-d4
 Concen: 53.20 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064965.D
 Acq: 27 Jan 2020 15:56

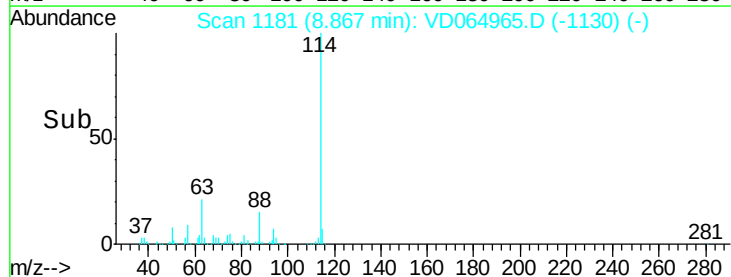
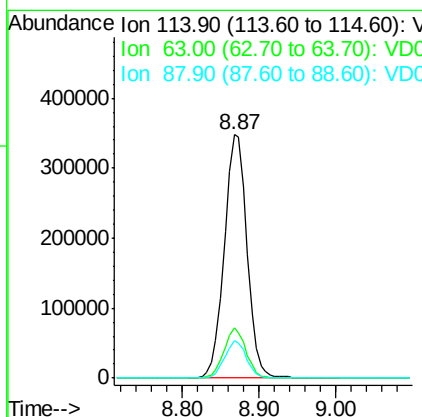
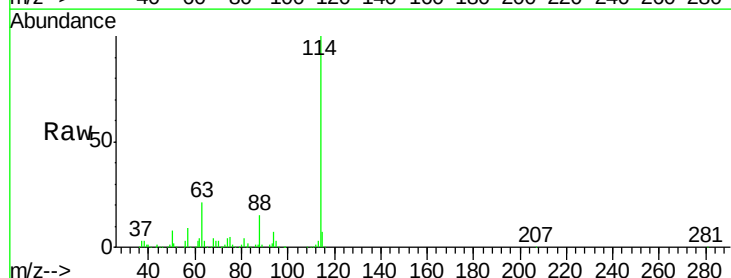
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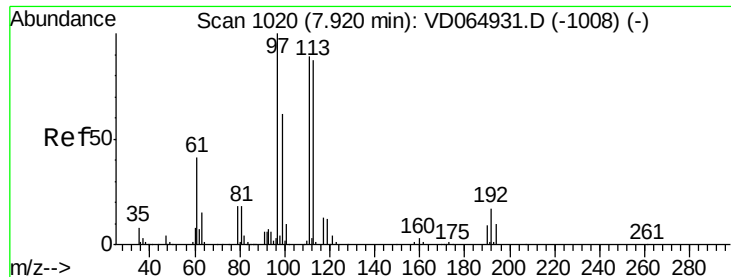
Tgt Ion: 65 Resp: 224407
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064965.D
 Acq: 27 Jan 2020 15:56

Tgt Ion: 114 Resp: 714678
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.0
 88 15.3 0.0 29.4

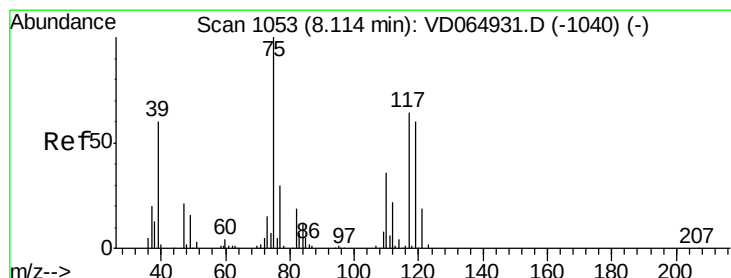
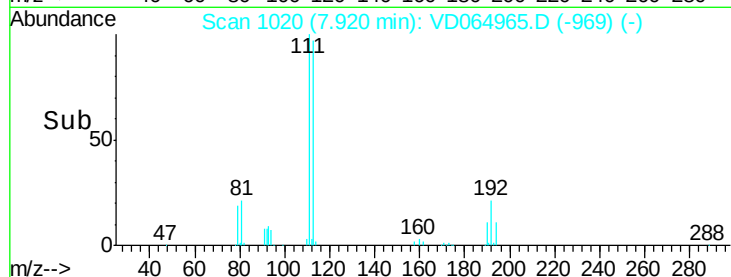
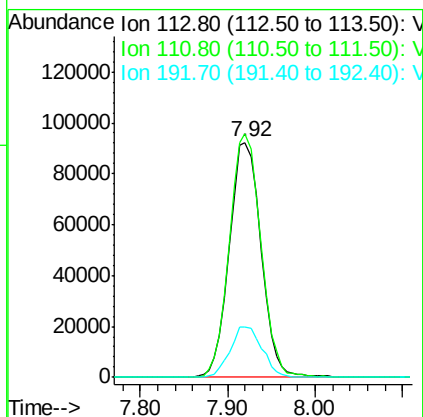
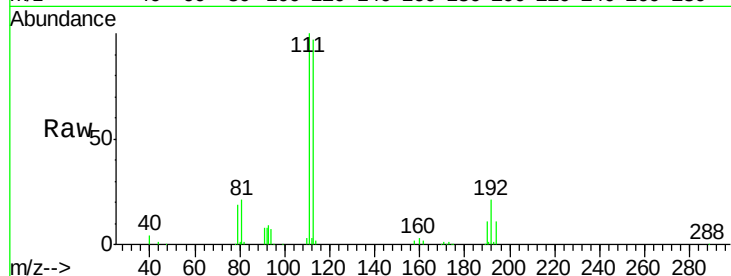




#35
 Dibromofluoromethane
 Concen: 50.50 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064965.D
 Acq: 27 Jan 2020 15:56

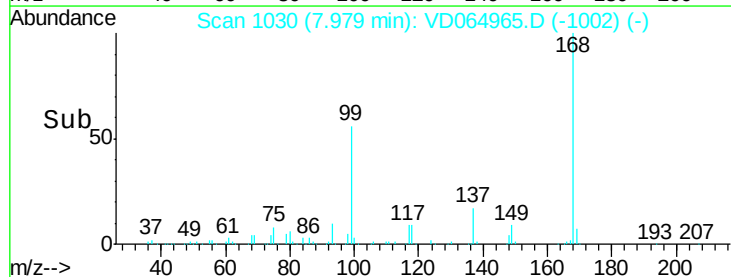
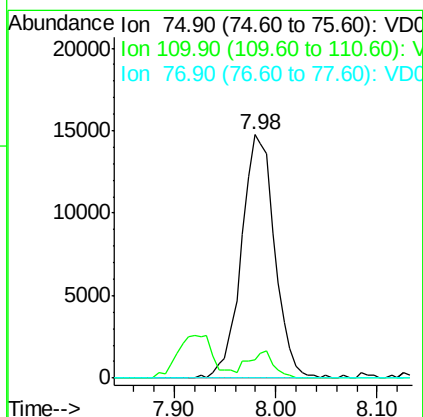
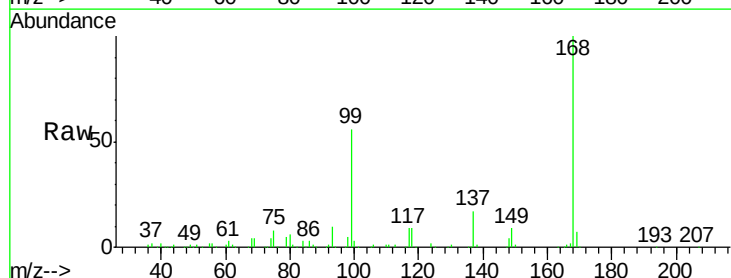
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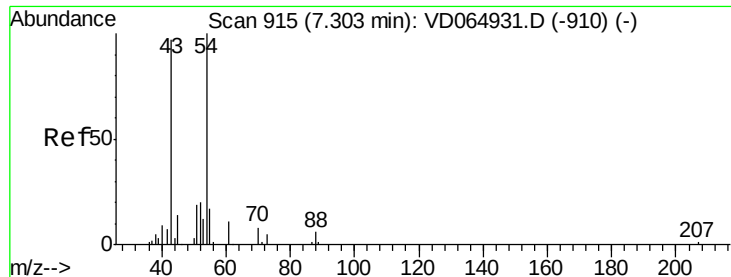
Tgt Ion: 113 Resp: 226786
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 21.8 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.87 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064965.D
 Acq: 27 Jan 2020 15:56

Tgt Ion: 75 Resp: 33585
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.3 52.0#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 15.28 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.07 min

Lab File: VD064965.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

20200054-FIELD-DUP-COMP

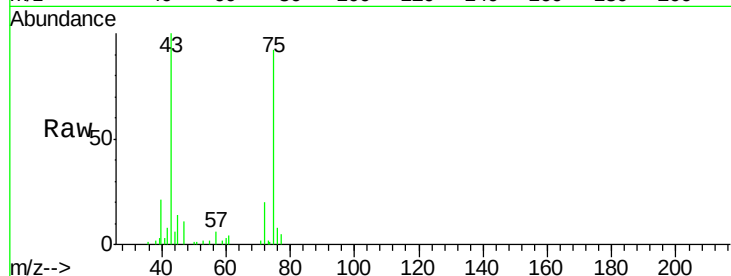
Tgt Ion: 43 Resp: 43495

Ion Ratio Lower Upper

43 100

61 4.4 11.0 16.4#

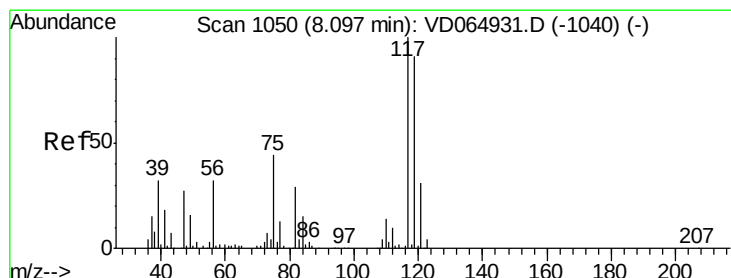
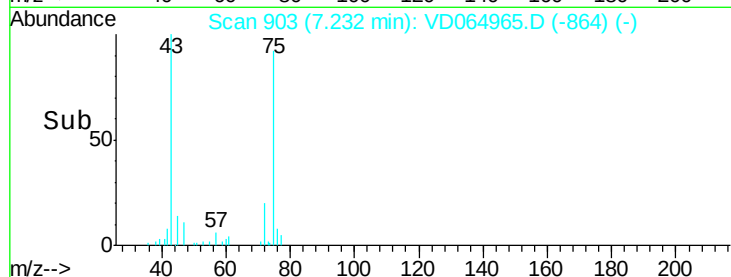
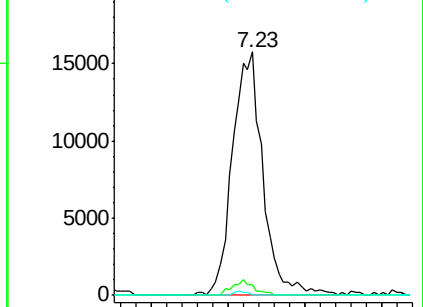
70 0.6 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.90 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064965.D

Acq: 27 Jan 2020 15:56

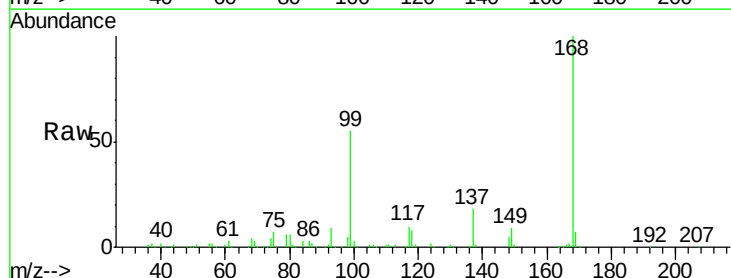
Tgt Ion: 117 Resp: 42942

Ion Ratio Lower Upper

117 100

119 5.2 73.2 109.8#

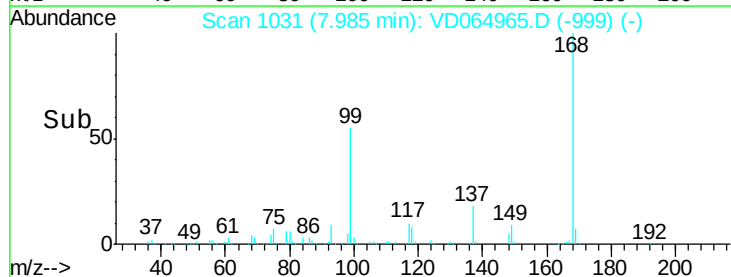
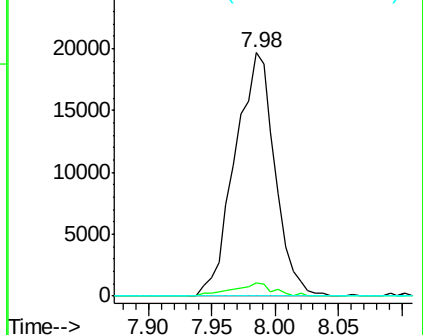
121 0.0 24.4 36.6#

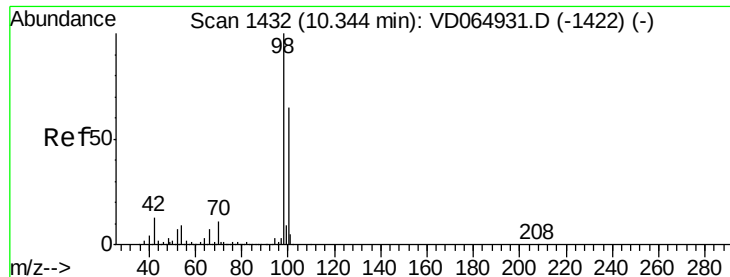


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.44 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064965.D

Acq: 27 Jan 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

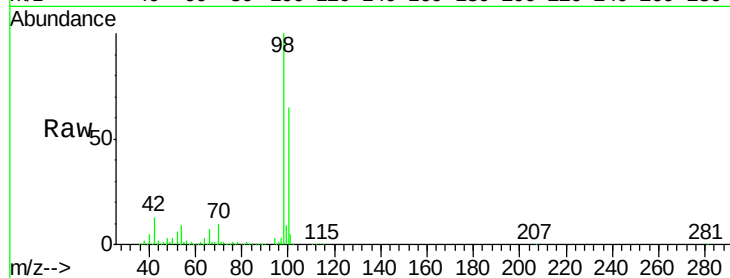
20200054-FIELD-DUP-COMP

Tgt Ion: 98 Resp: 839628

Ion Ratio Lower Upper

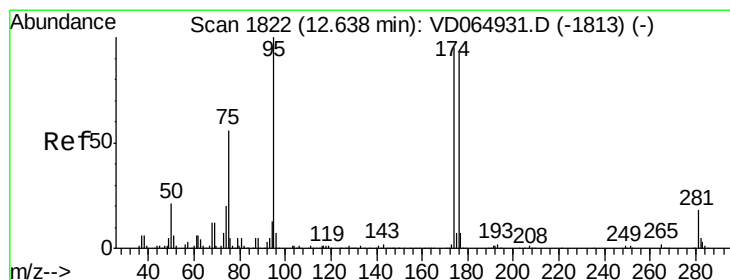
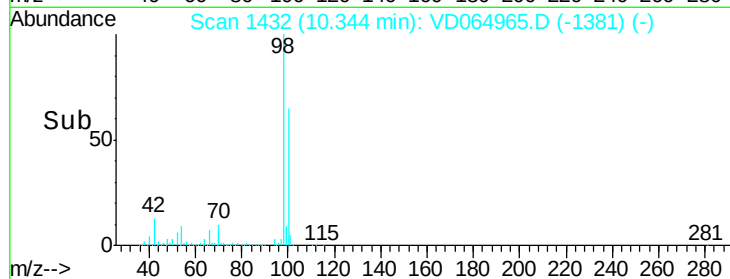
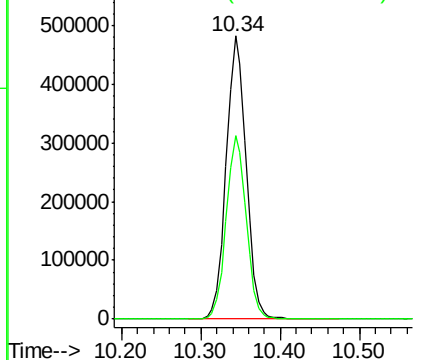
98 100

100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.86 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064965.D

Acq: 27 Jan 2020 15:56

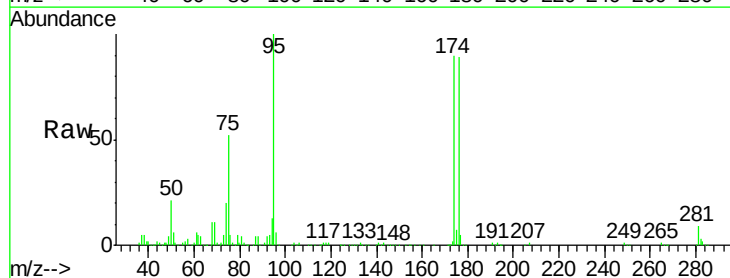
Tgt Ion: 95 Resp: 259206

Ion Ratio Lower Upper

95 100

174 90.9 0.0 186.8

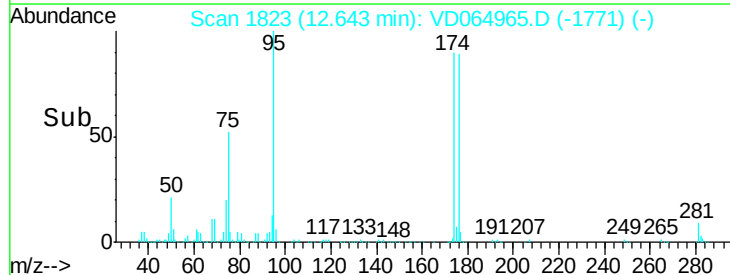
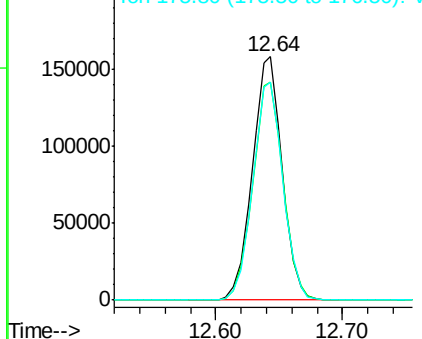
176 89.9 0.0 183.4

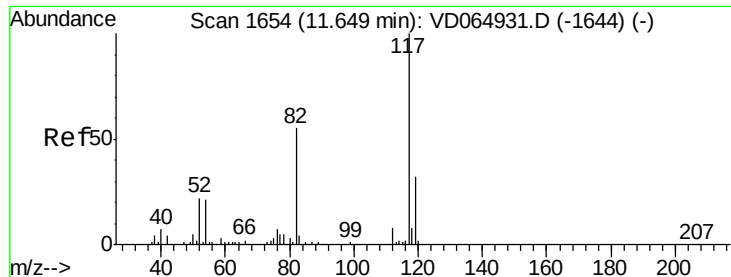


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

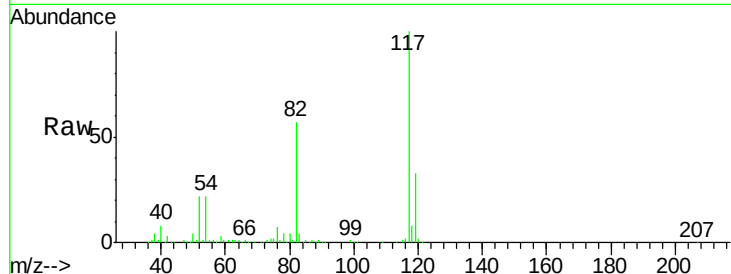




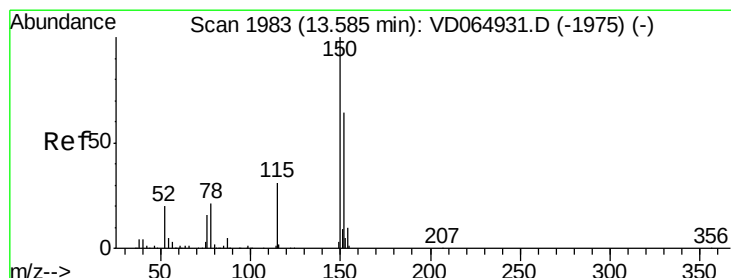
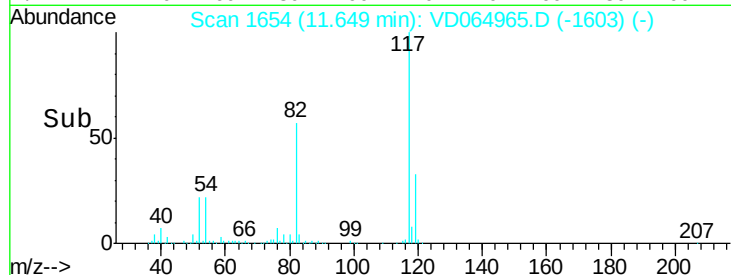
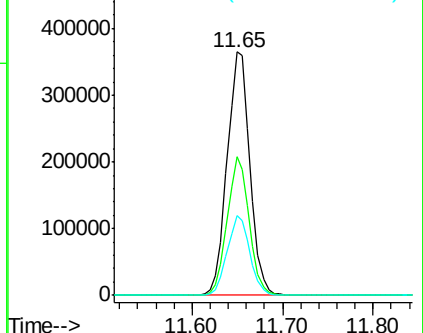
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064965.D
Acq: 27 Jan 2020 15:56

Instrument :
MSVOA_D
ClientSampleId :
20200054-FIELD-DUP-COMP

Tgt Ion:117 Resp: 638039
Ion Ratio Lower Upper
117 100
82 56.8 43.6 65.4
119 32.9 25.2 37.8

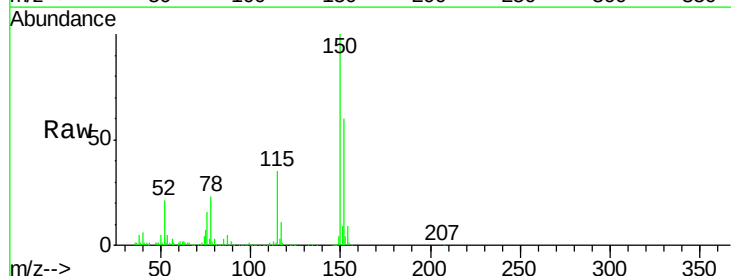


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

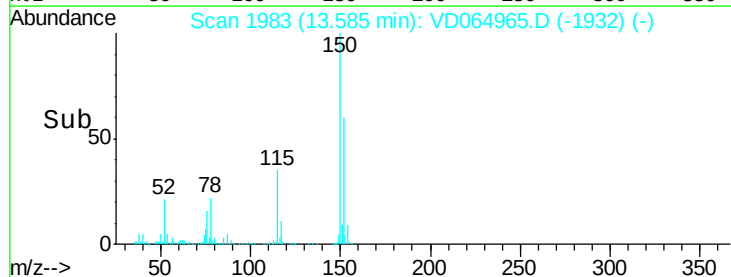
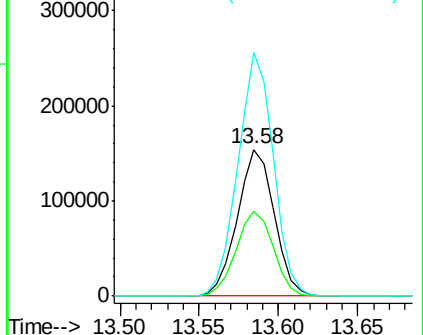


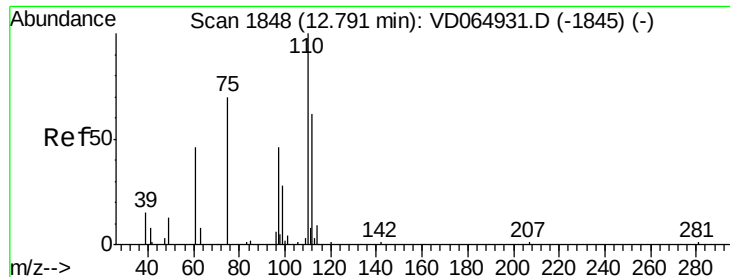
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064965.D
Acq: 27 Jan 2020 15:56

Tgt Ion:152 Resp: 248169
Ion Ratio Lower Upper
152 100
115 58.4 28.1 84.4
150 160.3 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

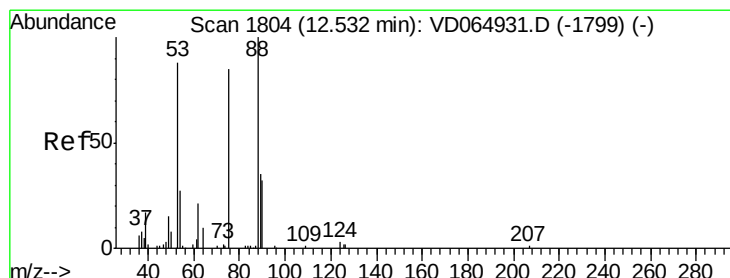
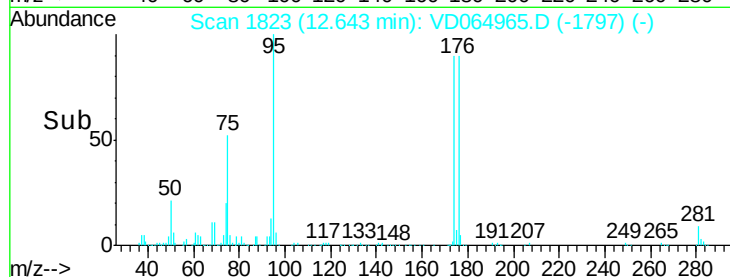
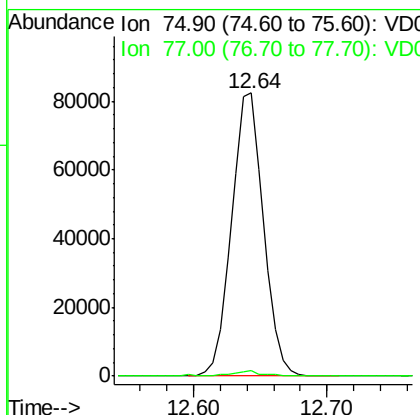
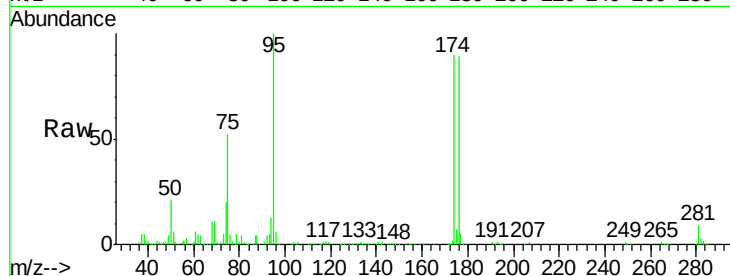




#76
 1,2,3-Trichloropropane
 Concen: 66.34 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.15 min
 Lab File: VD064965.D
 Acq: 27 Jan 2020 15:56

Instrument :
 MSVOA_D
 ClientSampleId :
 20200054-FIELD-DUP-COMP

Tgt Ion: 75 Resp: 136654
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.66 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD064965.D
 Acq: 27 Jan 2020 15:56

Tgt Ion: 75 Resp: 136654
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.1 36.2 54.4#

