

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065896.D
 Acq On : 29 Jun 2020 19:38
 Operator : VA/SY
 Sample : L3153-22
 Misc : 6.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP2-E

Quant Time: Jun 30 04:14:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	123123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	214559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	176794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	58907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	73099	57.15	ug/l	0.00
Spiked Amount			Recovery	=	114.30%	
35) Dibromofluoromethane	7.91	113	72892	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
50) Toluene-d8	10.34	98	236843	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.64	95	64417	39.42	ug/l	0.00
Spiked Amount			Recovery	=	78.84%	

Target Compounds

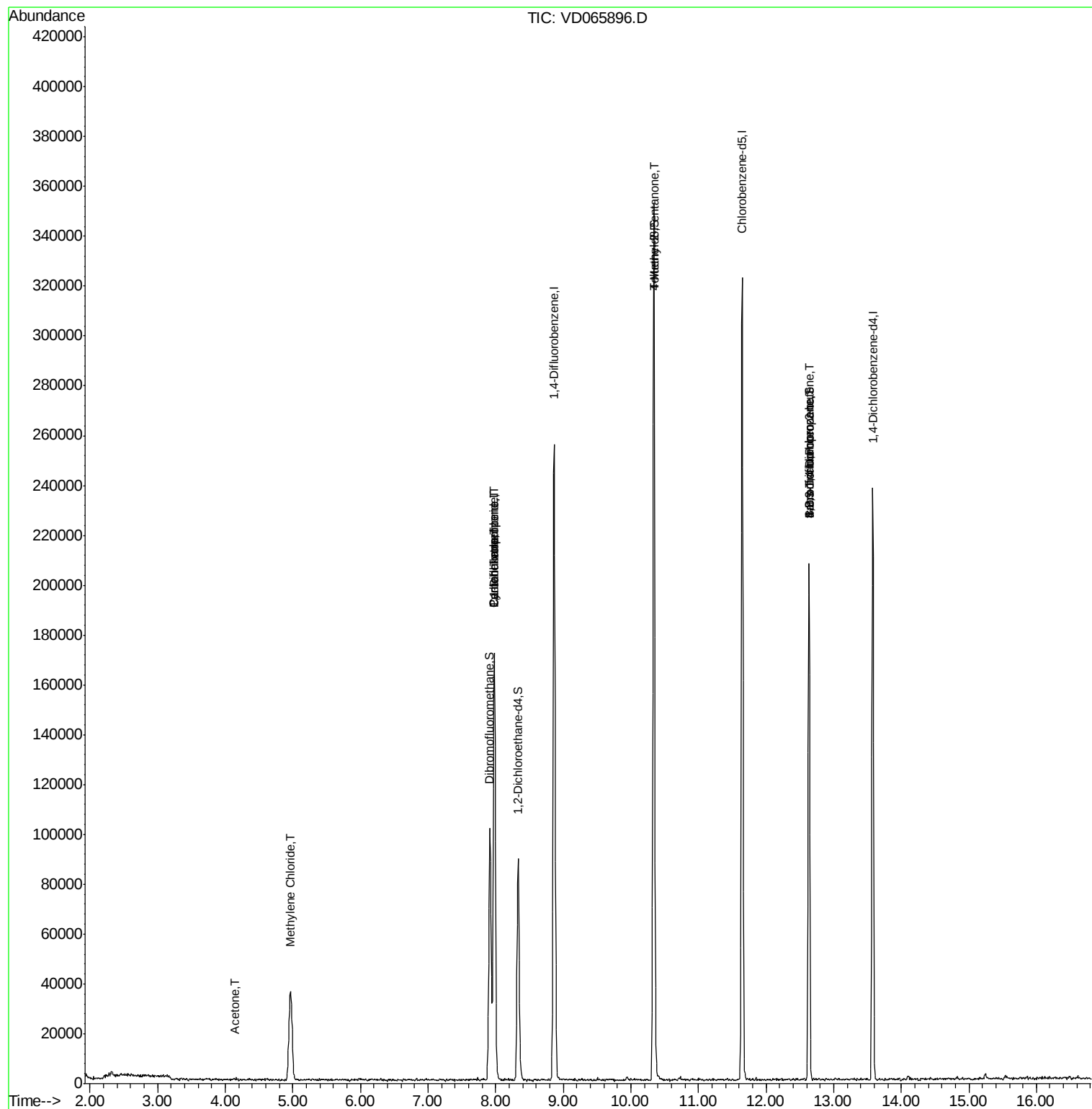
					Qvalue	
16) Acetone	4.15	43	844	3.368	ug/l #	51
20) Methylene Chloride	4.97	84	28845	18.668	ug/l #	91
31) Cyclohexane	7.97	56	3343	1.459	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	11180	5.344	ug/l #	53
38) Carbon Tetrachloride	7.98	117	13028	5.766	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	1119	1.400	ug/l #	1
71) Bromoform	12.64	173	699	1.008	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	35516	68.903	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	35516	148.028	ug/l #	9

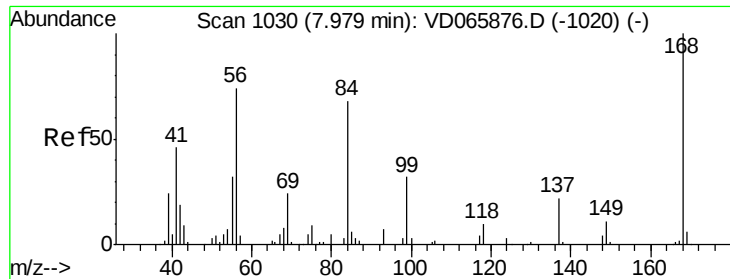
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 30 04:14:32 2020
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Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065896.D

Acq: 29 Jun 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

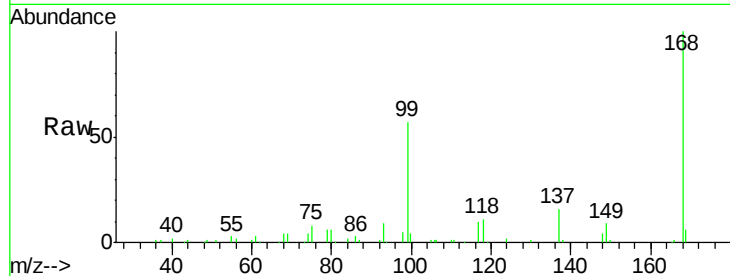
SP2-E

Tot Ion:168 Resp: 123123

Ion Ratio Lower Upper

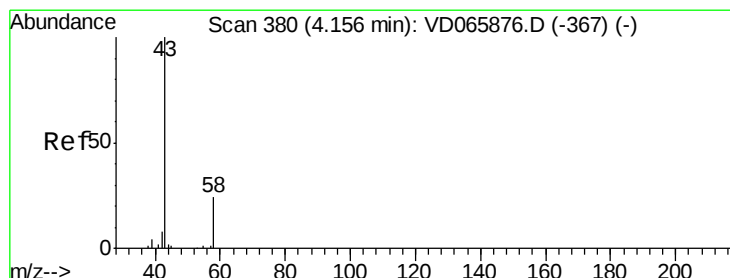
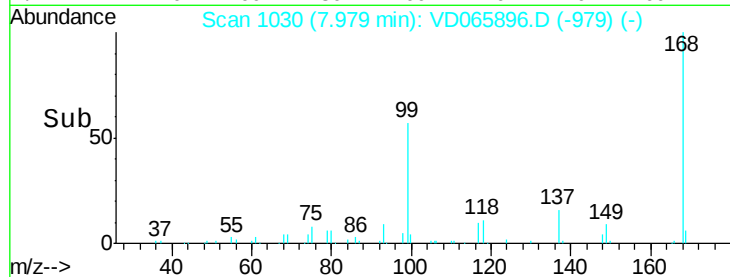
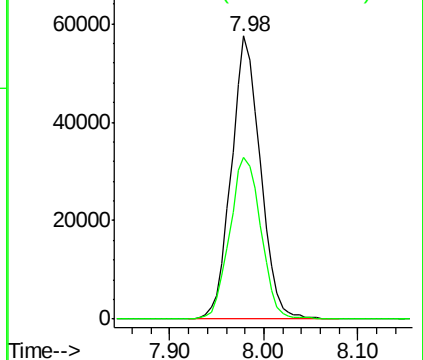
168 100

99 57.0 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 3.368 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065896.D

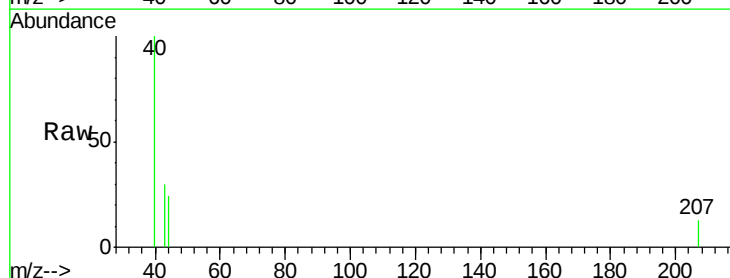
Acq: 29 Jun 2020 19:38

Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

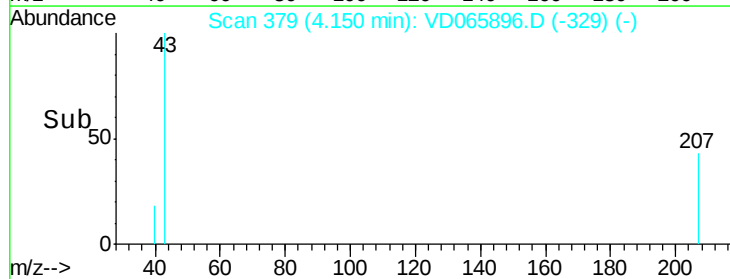
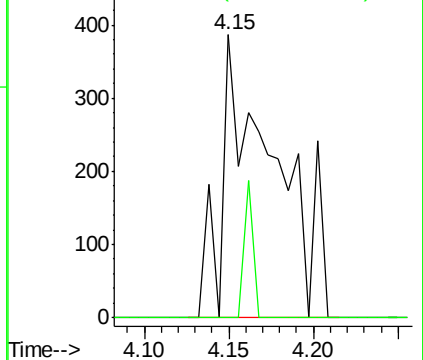
43 100

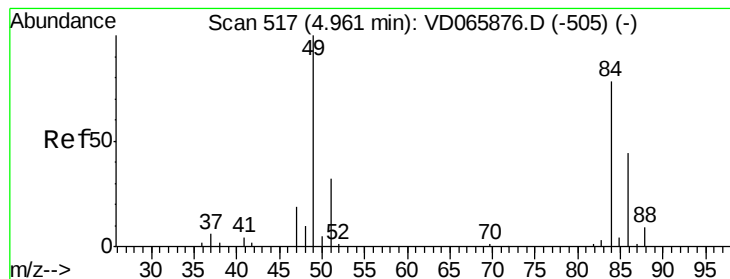
58 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methvlene Chloride

Concen: 18.668 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065896.D

Acq: 29 Jun 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

SP2-E

Tot Ion: 84 Resp: 28845

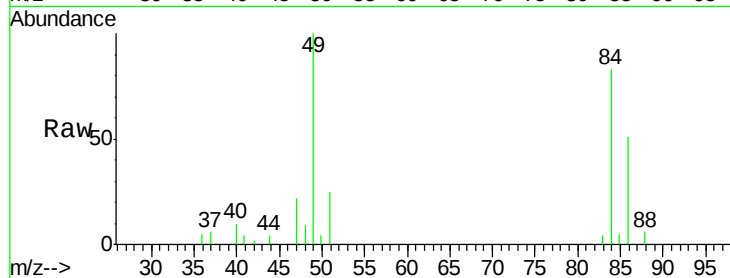
Ion Ratio Lower Upper

84 100

49 120.7 103.0 154.6

51 29.9 32.7 49.1#

86 61.3 44.9 67.3

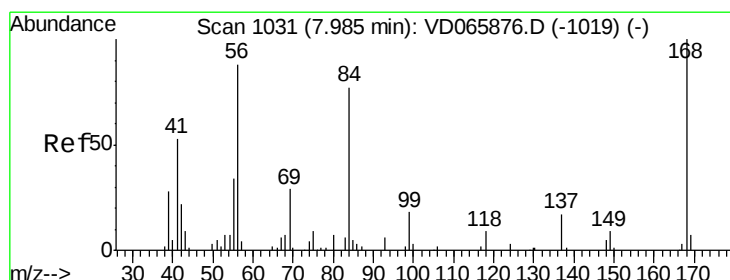
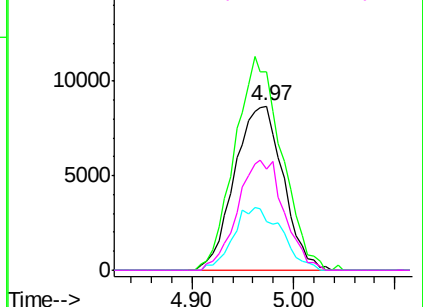
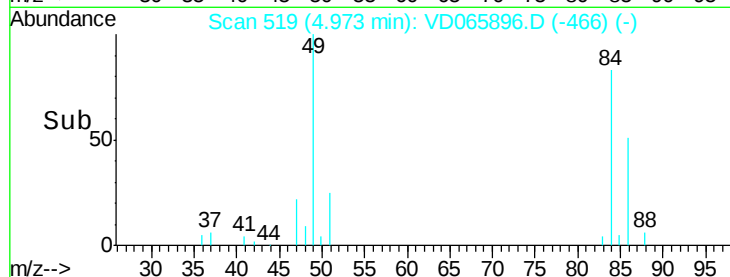


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.459 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065896.D

Acq: 29 Jun 2020 19:38

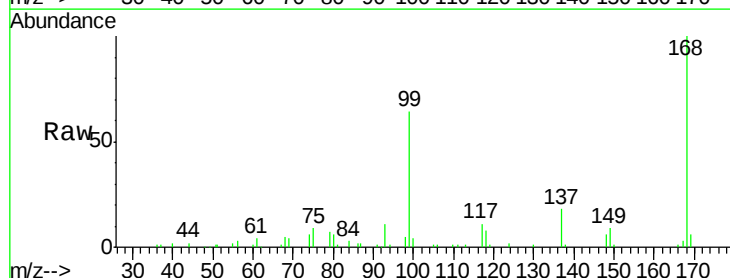
Tgt Ion: 56 Resp: 3343

Ion Ratio Lower Upper

56 100

69 133.3 26.2 39.4#

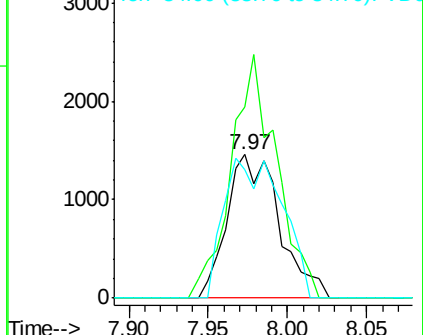
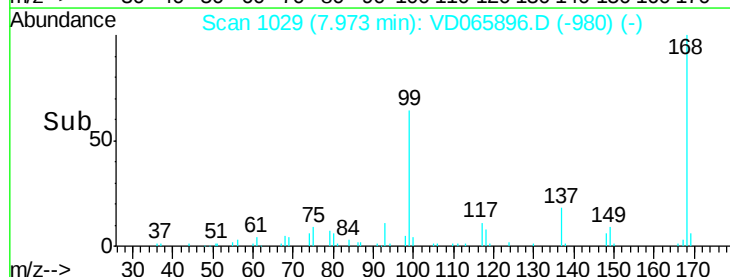
84 89.9 70.3 105.5

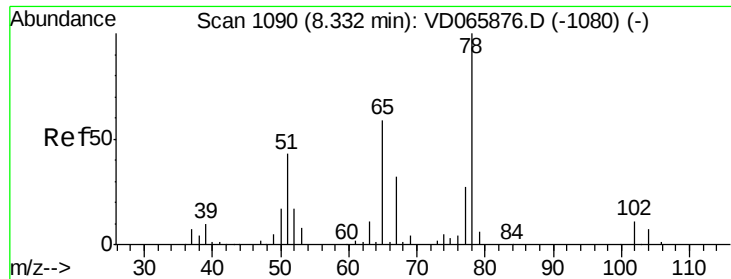


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

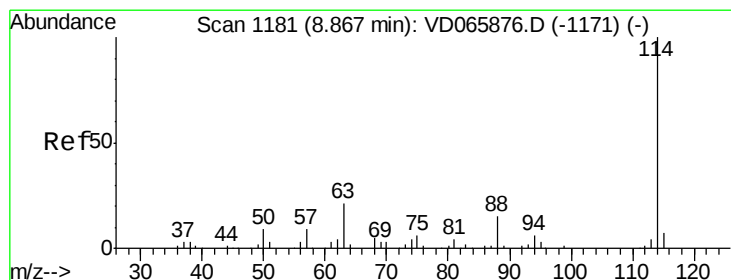
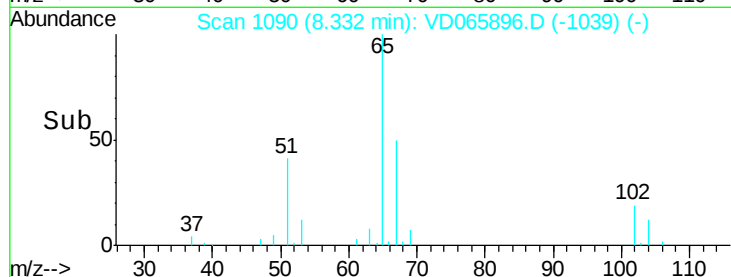
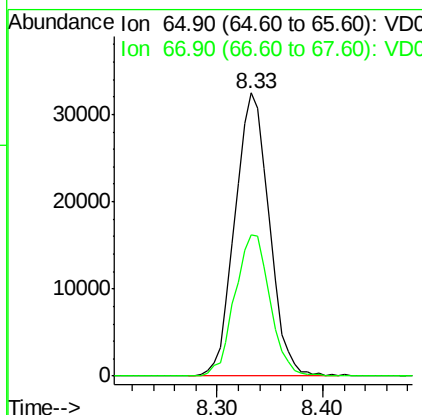
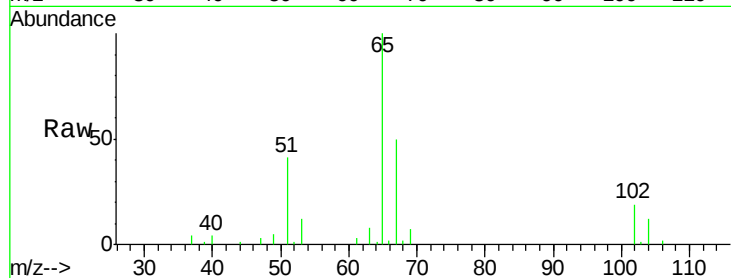




#33
 1,2-Dichloroethane-d4
 Concen: 57.147 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065896.D
 Acq: 29 Jun 2020 19:38

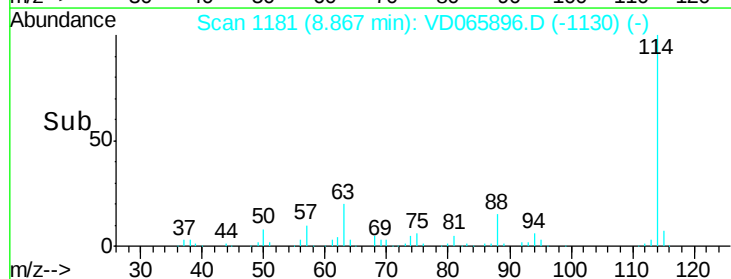
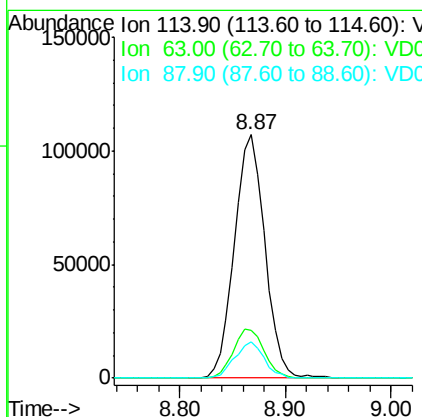
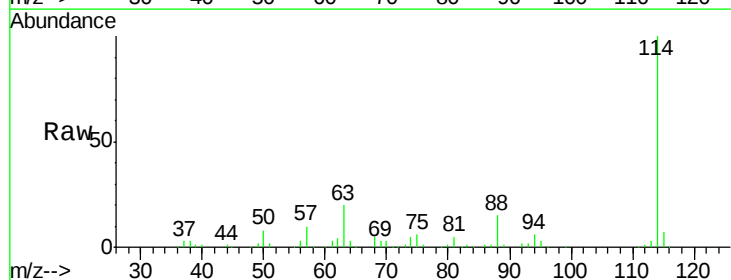
Instrument :
 MSVOA_D
 ClientSampleId :
 SP2-E

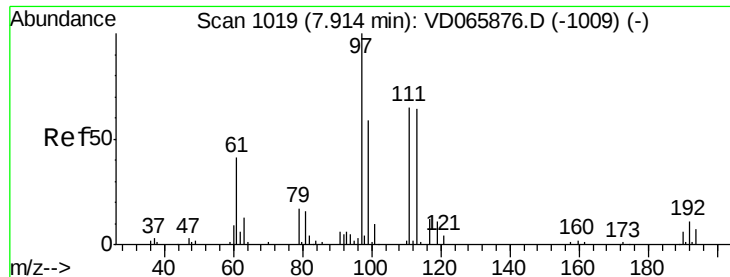
Tot Ion: 65 Resp: 73099
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065896.D
 Acq: 29 Jun 2020 19:38

Tgt Ion: 114 Resp: 214559
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 15.0 0.0 29.0

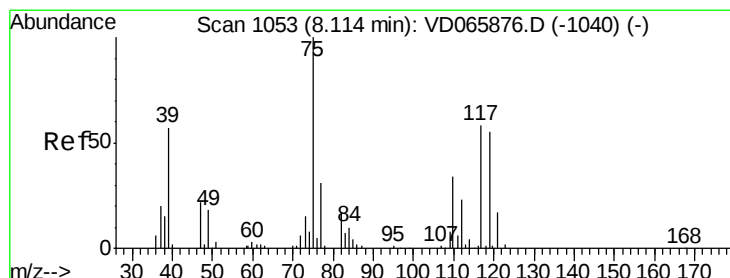
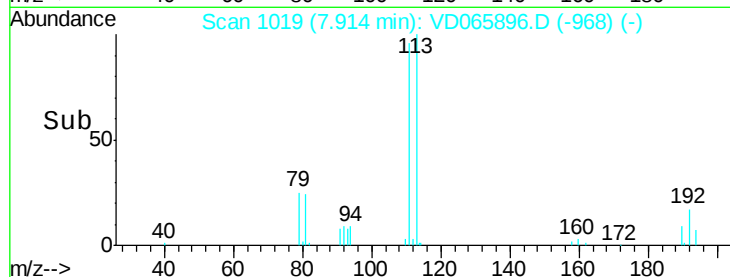
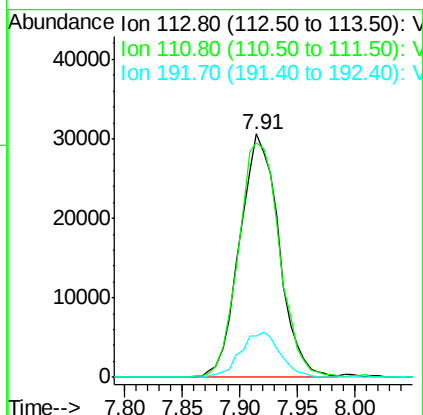
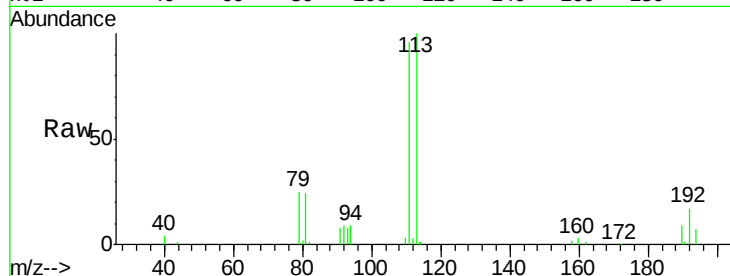




#35
Dibromofluoromethane
Concen: 54.963 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD065896.D
Acq: 29 Jun 2020 19:38

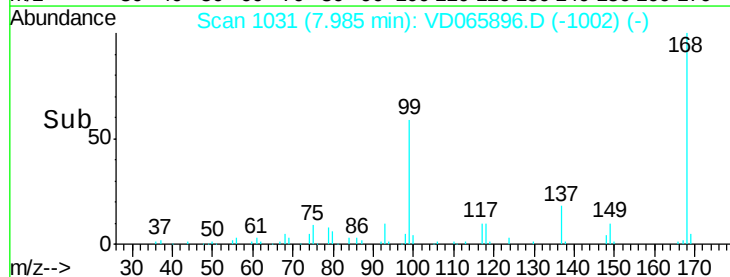
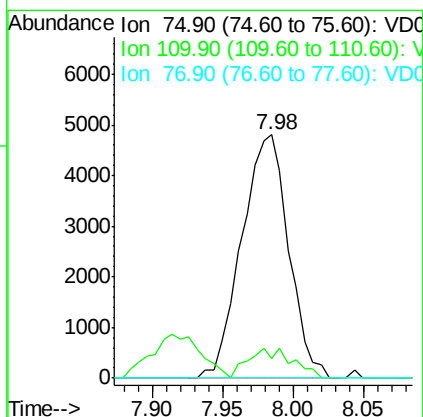
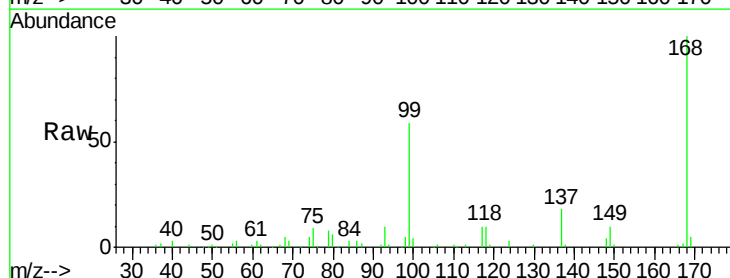
Instrument :
MSVOA_D
ClientSampleId :
SP2-E

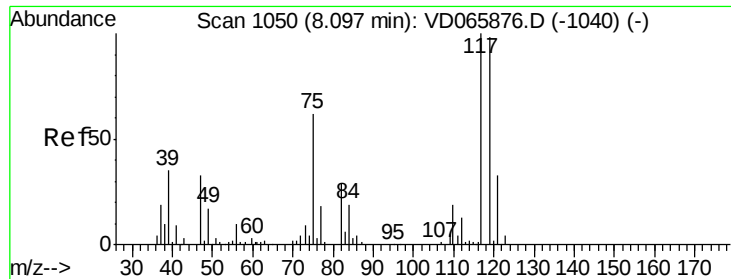
Tot Ion:113 Resp: 72892
Ion Ratio Lower Upper
113 100
111 100.7 81.0 121.6
192 18.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.344 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD065896.D
Acq: 29 Jun 2020 19:38

Tgt Ion: 75 Resp: 11180
Ion Ratio Lower Upper
75 100
110 11.5 16.8 50.4#
77 0.0 24.0 36.0#

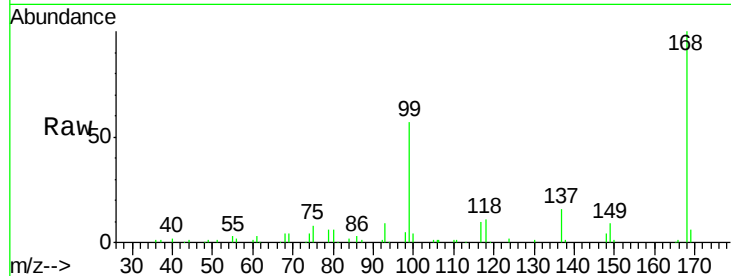




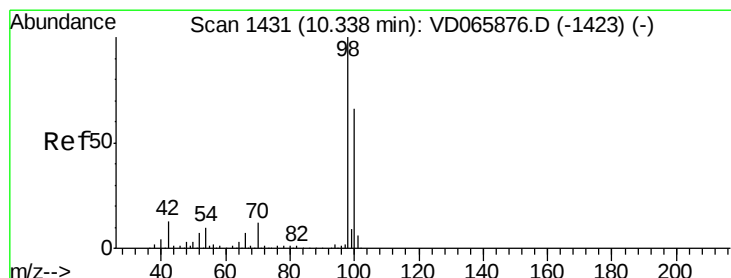
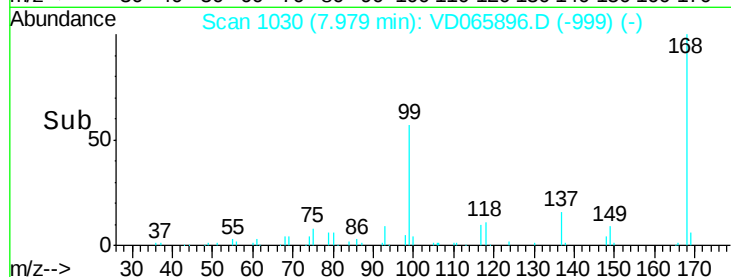
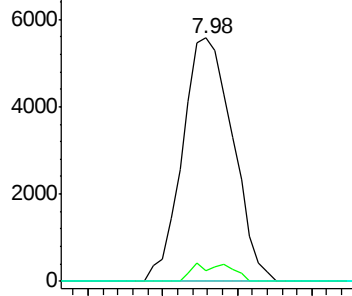
#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065896.D
Acq: 29 Jun 2020 19:38

Instrument :
MSVOA_D
ClientSampleId :
SP2-E

Tot Ion:117 Resp: 13028
Ion Ratio Lower Upper
117 100
119 4.2 78.6 117.8#
121 0.0 26.5 39.7#

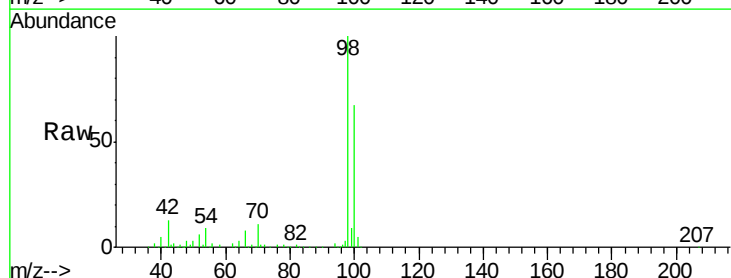


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

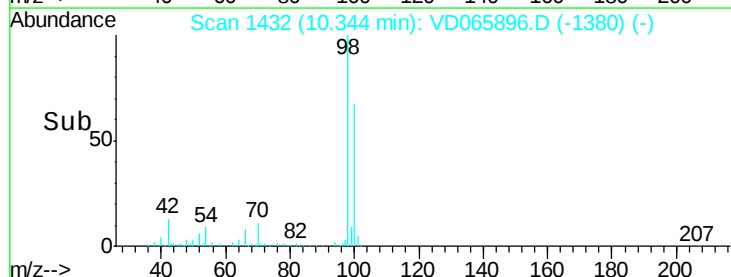
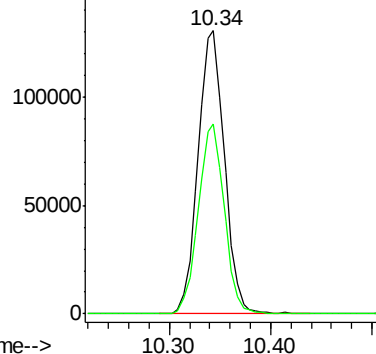


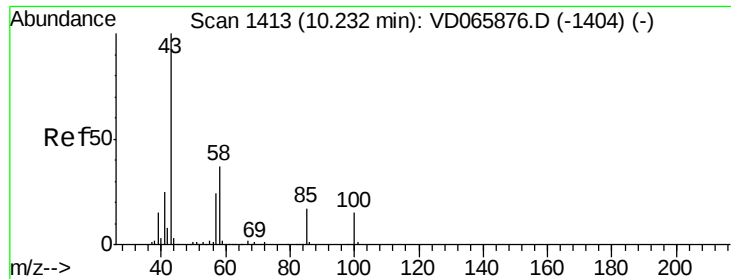
#50
Toluene-d8
Concen: 47.476 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065896.D
Acq: 29 Jun 2020 19:38

Tgt Ion: 98 Resp: 236843
Ion Ratio Lower Upper
98 100
100 66.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.400 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065896.D

Acq: 29 Jun 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

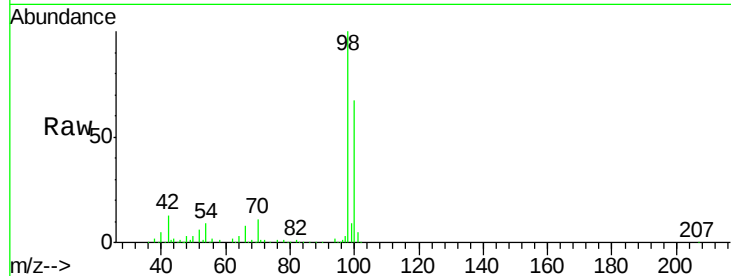
SP2-E

Tot Ion: 43 Resp: 1119

Ion Ratio Lower Upper

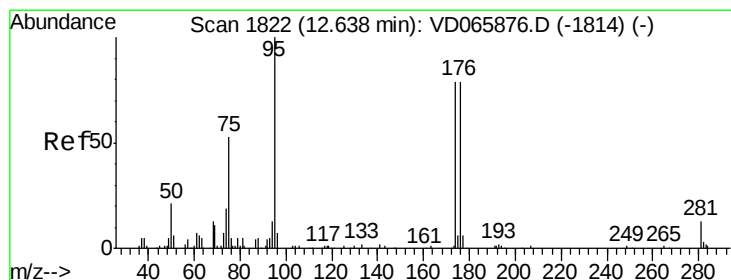
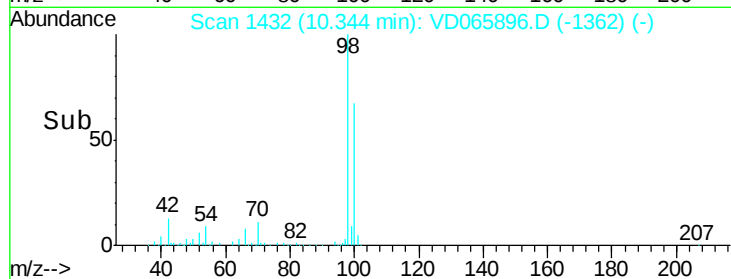
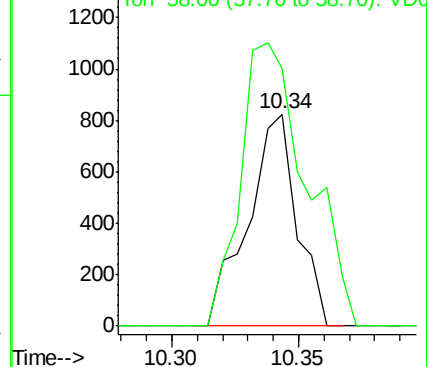
43 100

58 178.6 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 39.415 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065896.D

Acq: 29 Jun 2020 19:38

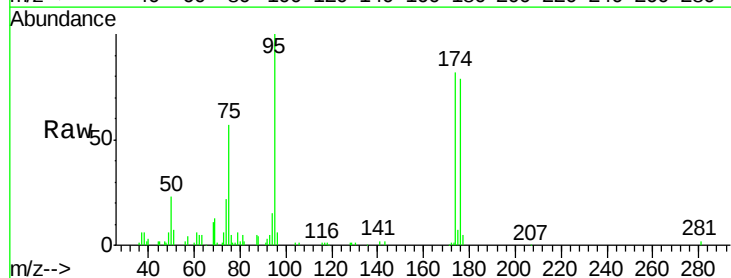
Tgt Ion: 95 Resp: 64417

Ion Ratio Lower Upper

95 100

174 81.1 0.0 158.4

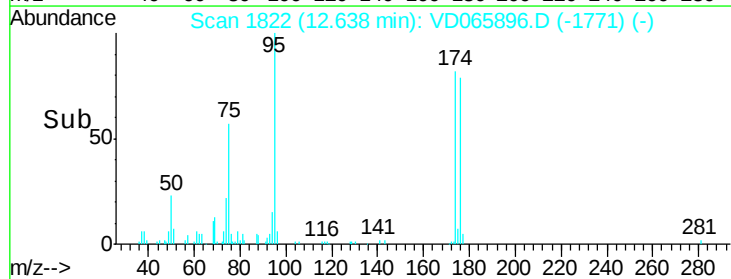
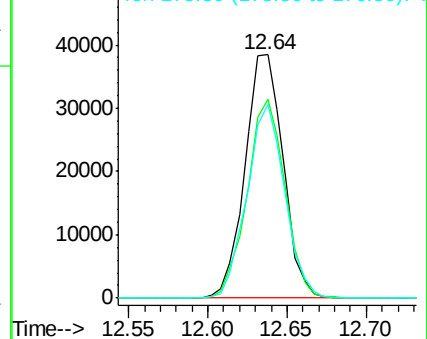
176 78.5 0.0 156.0

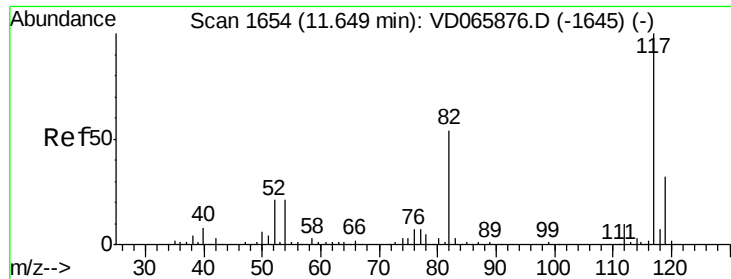


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

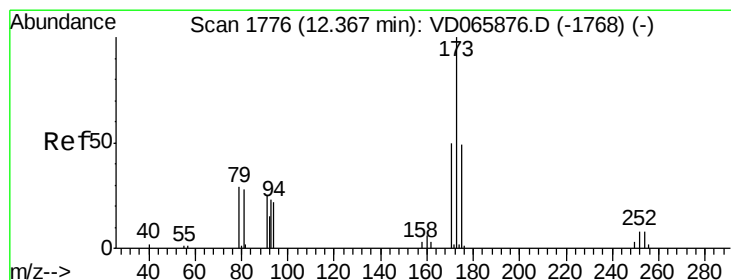
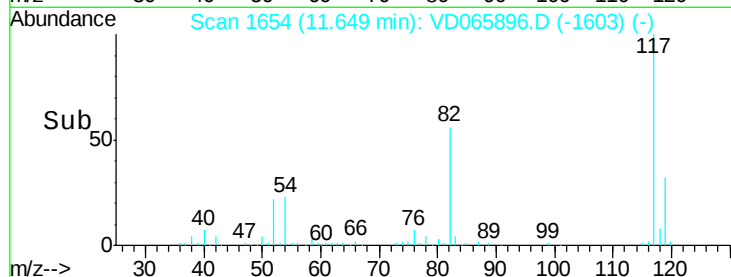
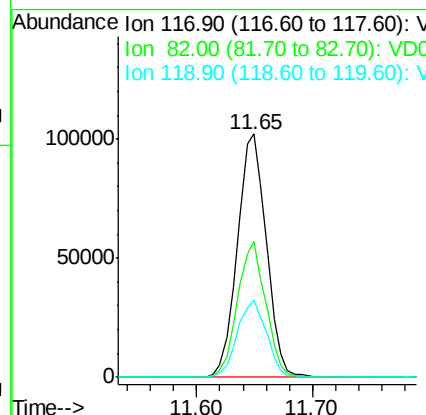
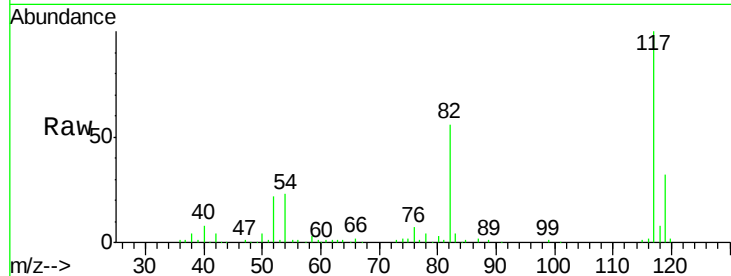




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065896.D
Acq: 29 Jun 2020 19:38

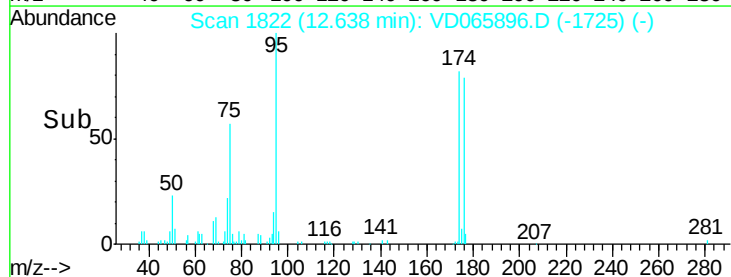
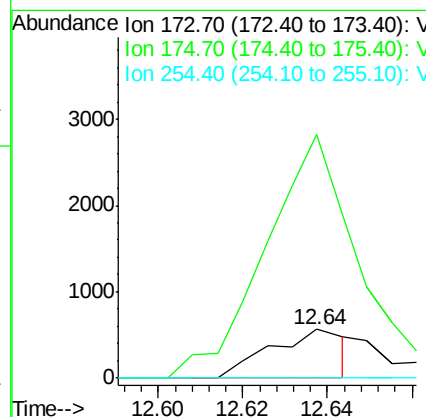
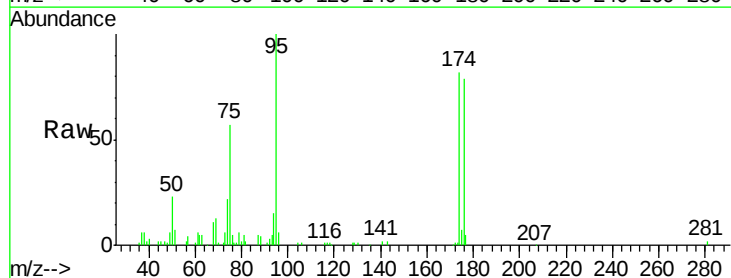
Instrument :
MSVOA_D
ClientSampleId :
SP2-E

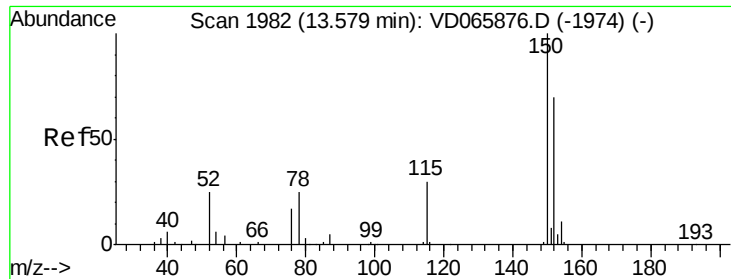
Tot Ion:117 Resp: 176794
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 31.7 25.9 38.9



#71
Bromoform
Concen: 1.008 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065896.D
Acq: 29 Jun 2020 19:38

Tgt Ion:173 Resp: 699
Ion Ratio Lower Upper
173 100
175 502.9 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065896.D

Acq: 29 Jun 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

SP2-E

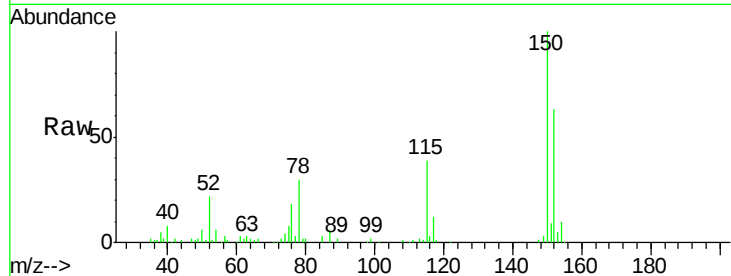
Tot Ion:152 Resp: 58907

Ion Ratio Lower Upper

152 100

115 58.4 29.7 89.1

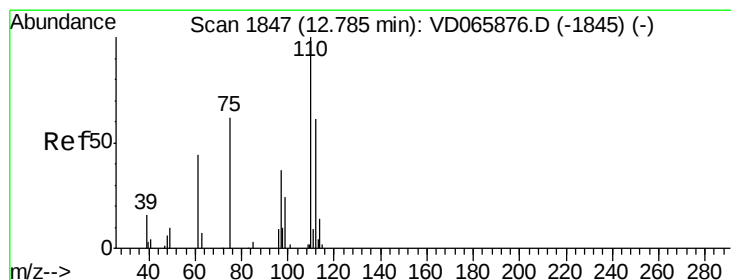
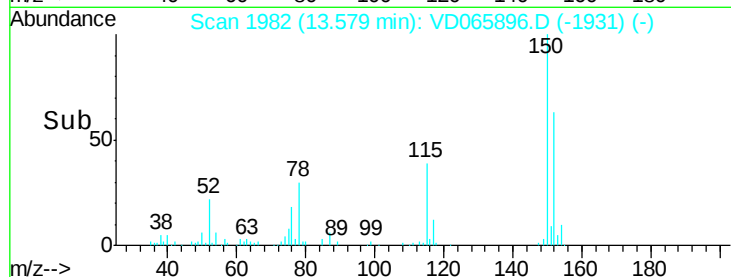
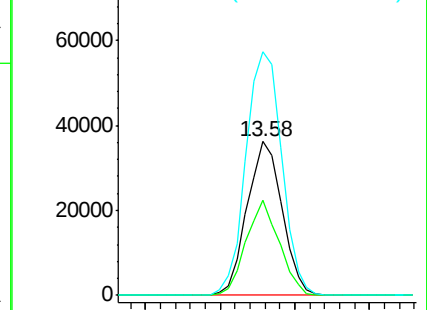
150 161.4 0.0 346.2



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: 68.903 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065896.D

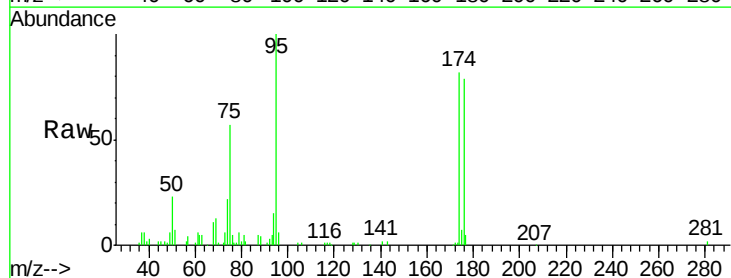
Acq: 29 Jun 2020 19:38

Tgt Ion: 75 Resp: 35516

Ion Ratio Lower Upper

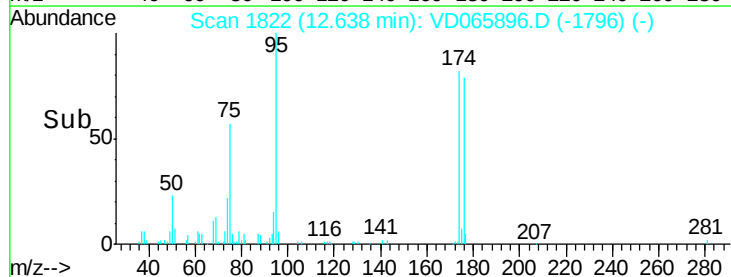
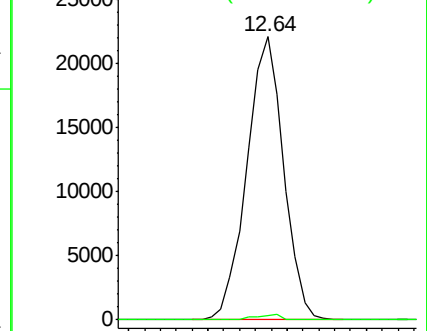
75 100

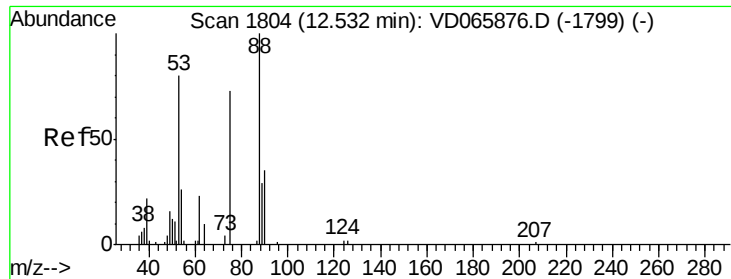
77 1.3 168.5 505.5#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 148.028 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065896.D

Acq: 29 Jun 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

SP2-E

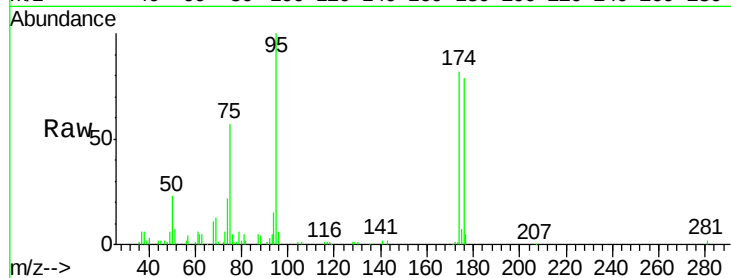
Tot Ion: 75 Resp: 35516

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

