

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066196.D
 Acq On : 11 Aug 2020 19:40
 Operator : VA/SY
 Sample : L3654-05
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-17

Quant Time: Aug 11 21:01:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	248486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	414184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	493489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281978	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	104387	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.91	113	128078	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.34	98	519487	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.64	95	239386	68.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.18%	

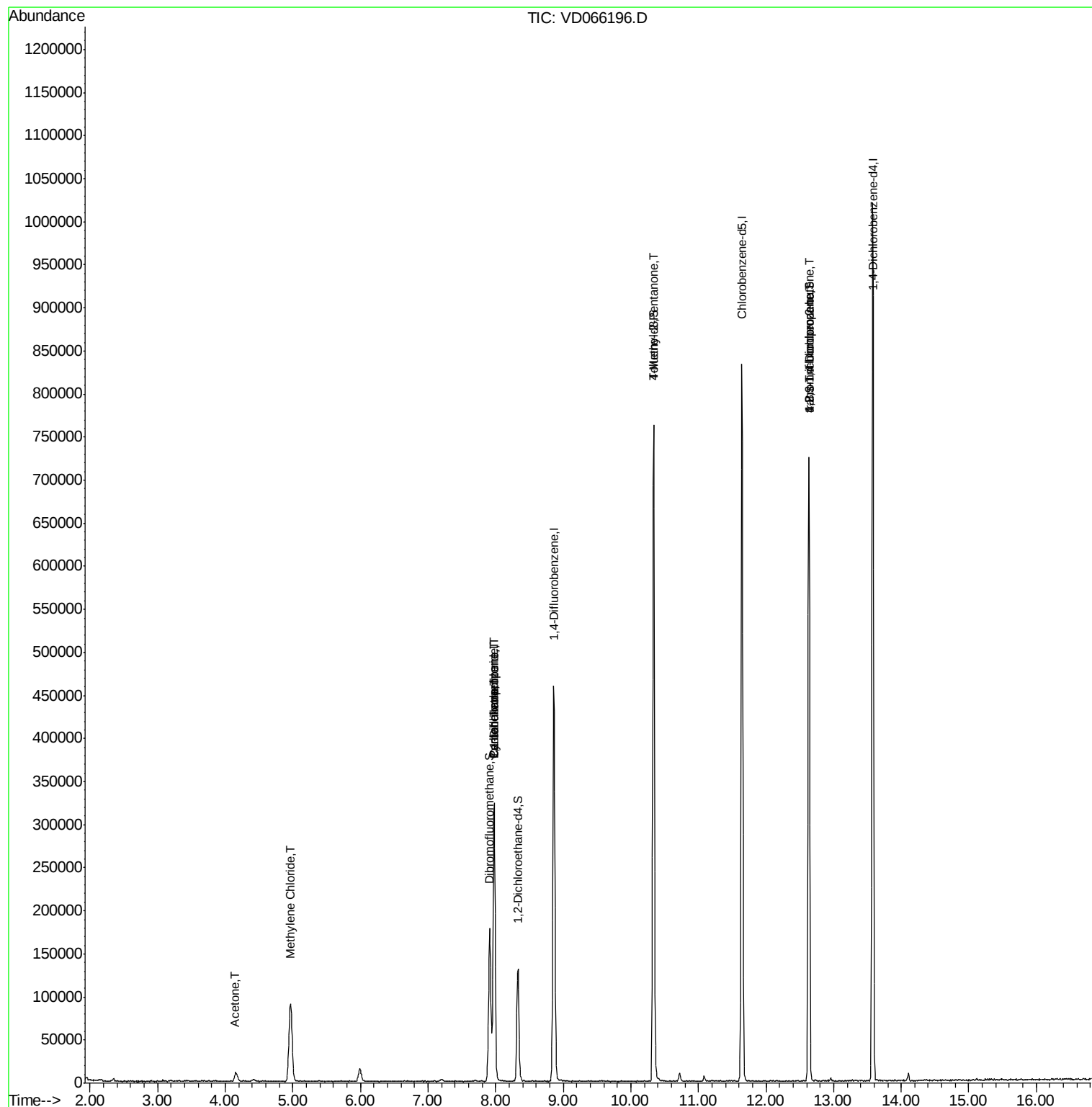
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	131	Below Cal	#	76
16) Acetone	4.15	43	18477	43.926	ug/l	96
20) Methylene Chloride	4.97	84	72552	27.979	ug/l	94
31) Cyclohexane	7.98	56	4934	1.270	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	17383	4.466	ug/l #	48
38) Carbon Tetrachloride	7.97	117	23838	5.492	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	2505	1.605	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	120077	51.064	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	120077	112.880	ug/l #	13

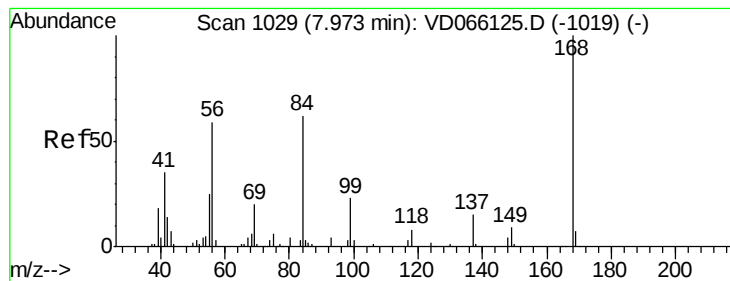
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

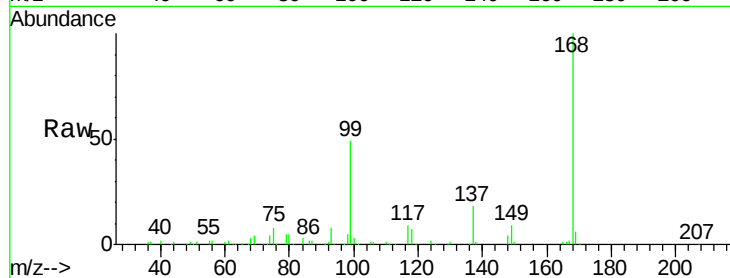
CS-17

Tgt Ion:168 Resp: 248486

Ion Ratio Lower Upper

168 100

99 48.6 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

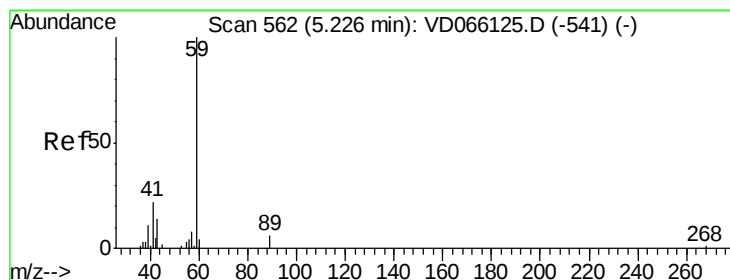
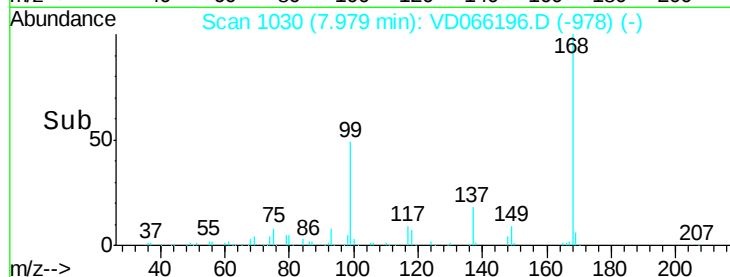
7.98

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD066196.D

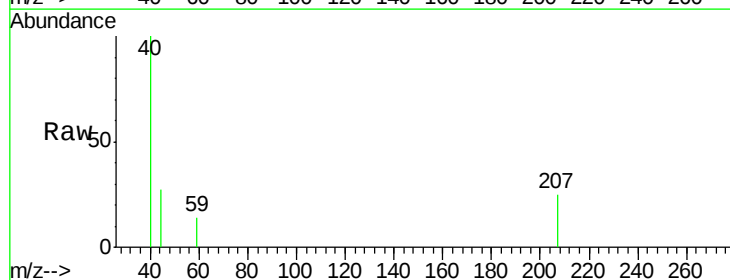
Acq: 11 Aug 2020 19:40

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.16

200

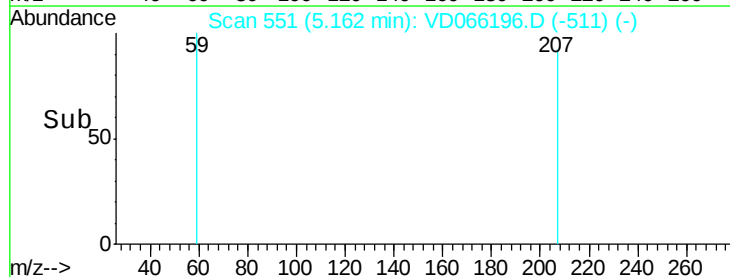
150

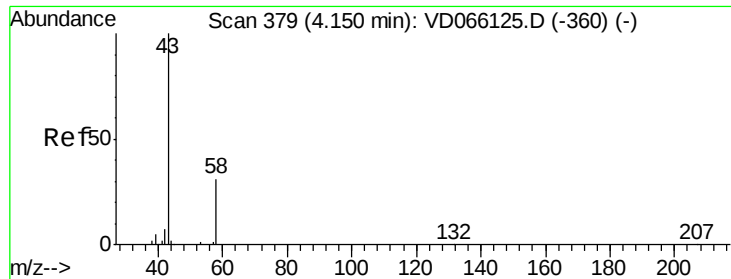
100

50

0

Time-->





#16

Acetone

Concen: 43.926 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

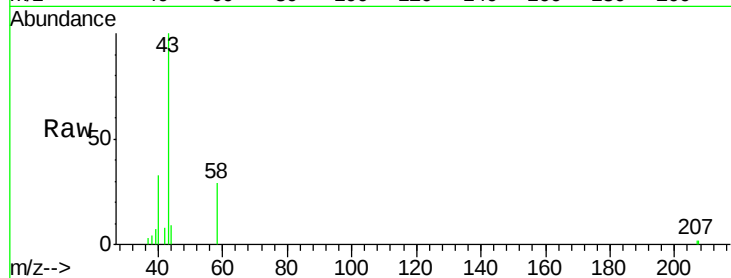
CS-17

Tgt Ion: 43 Resp: 18477

Ion Ratio Lower Upper

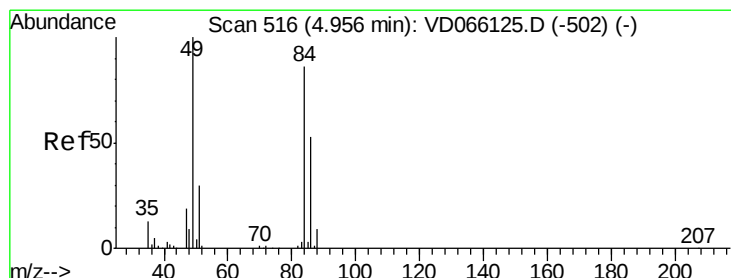
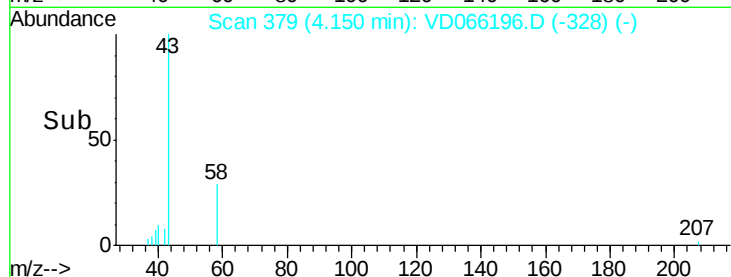
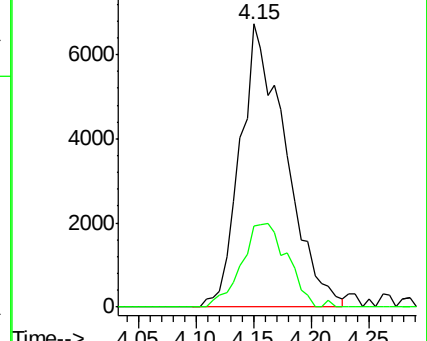
43 100

58 28.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 27.979 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Tgt Ion: 84 Resp: 72552

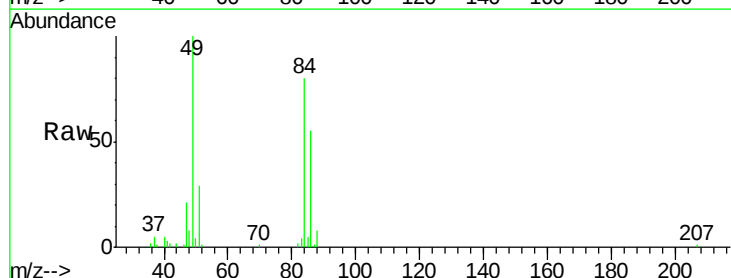
Ion Ratio Lower Upper

84 100

49 124.4 93.5 140.3

51 36.4 28.2 42.4

86 68.2 49.5 74.3

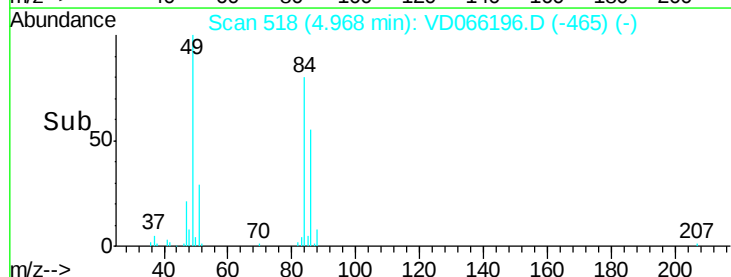
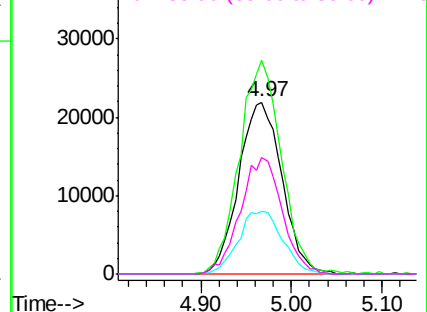


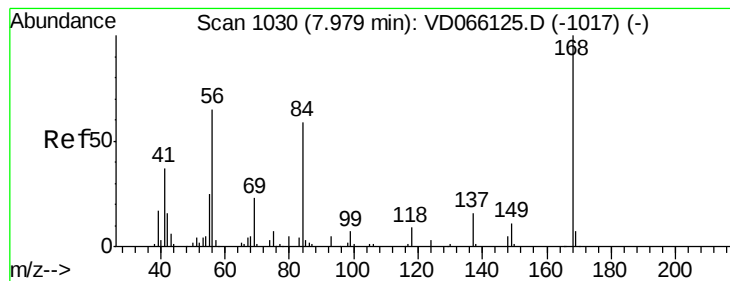
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.270 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

CS-17

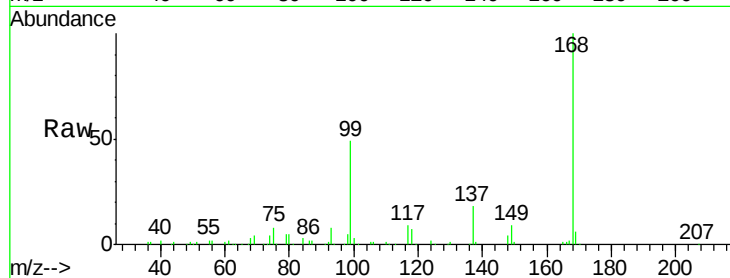
Tgt Ion: 56 Resp: 4934

Ion Ratio Lower Upper

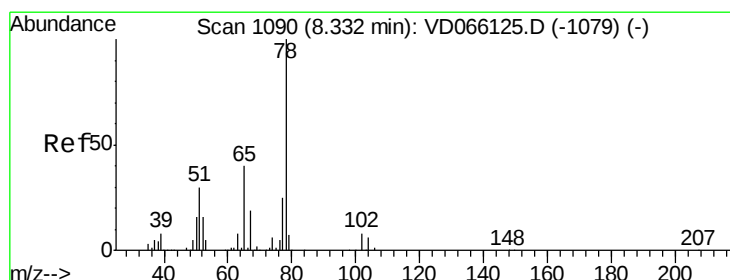
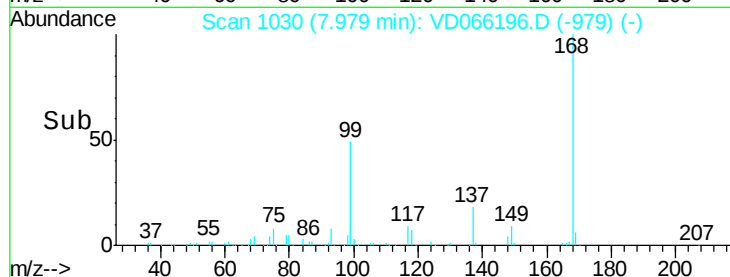
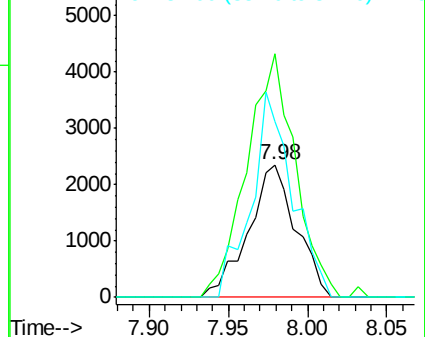
56 100

69 183.8 28.8 43.2#

84 132.5 73.0 109.6#



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: 47.088 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066196.D

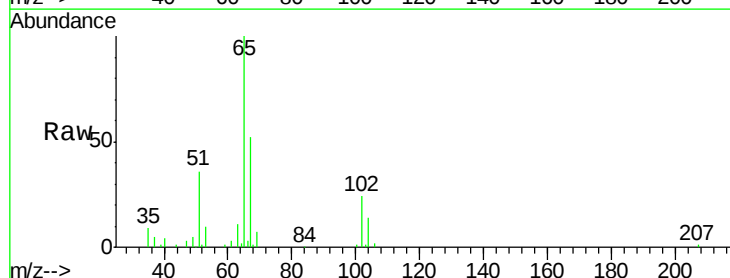
Acq: 11 Aug 2020 19:40

Tgt Ion: 65 Resp: 104387

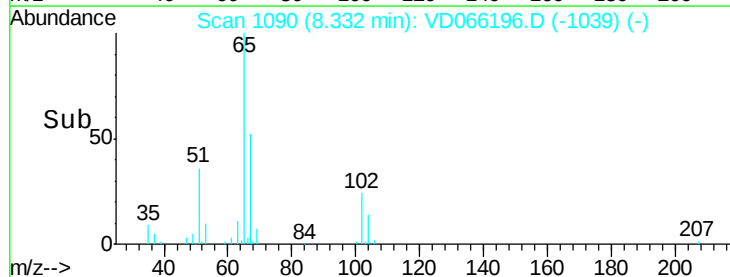
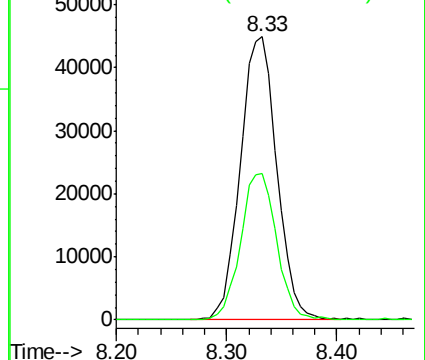
Ion Ratio Lower Upper

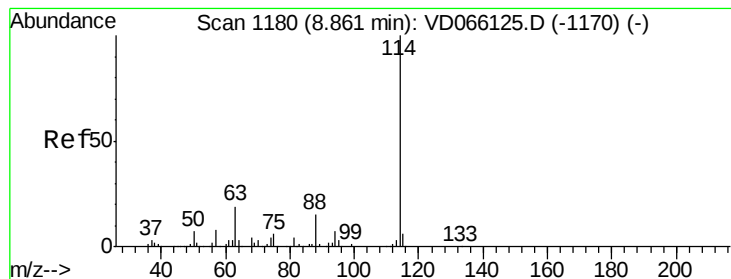
65 100

67 51.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampled :

CS-17

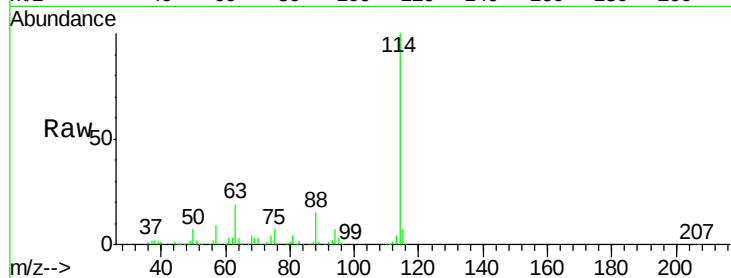
Tgt Ion:114 Resp: 414184

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

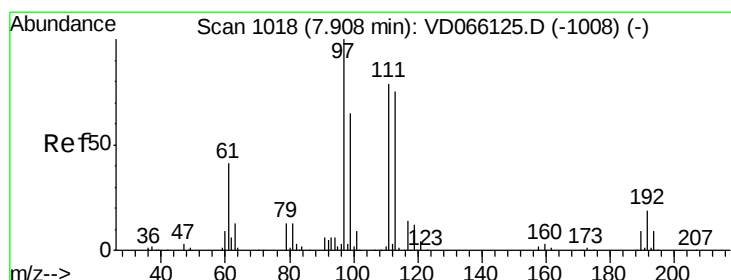
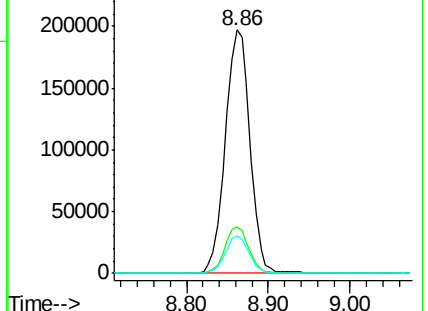
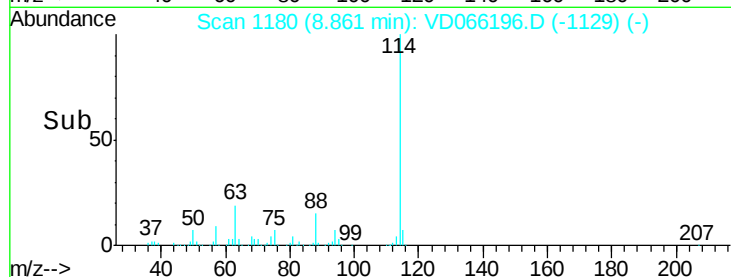
88 15.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.814 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

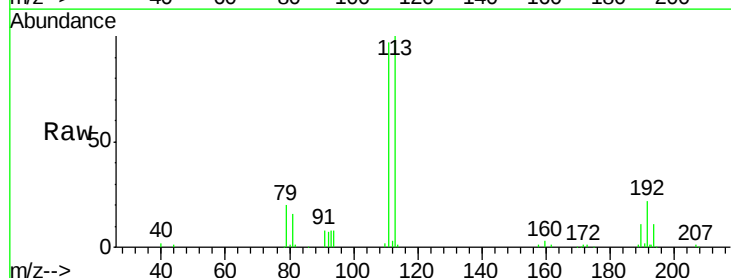
Tgt Ion:113 Resp: 128078

Ion Ratio Lower Upper

113 100

111 100.7 80.7 121.1

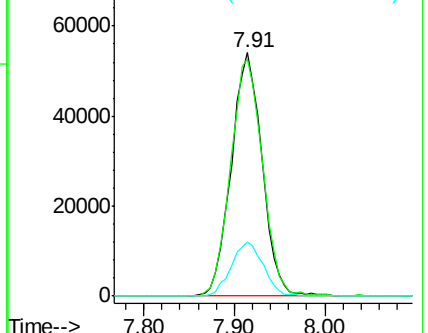
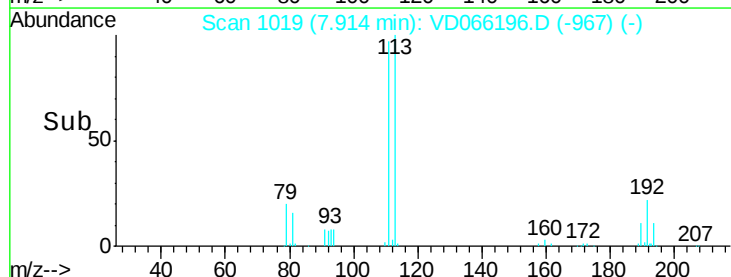
192 23.1 18.4 27.6

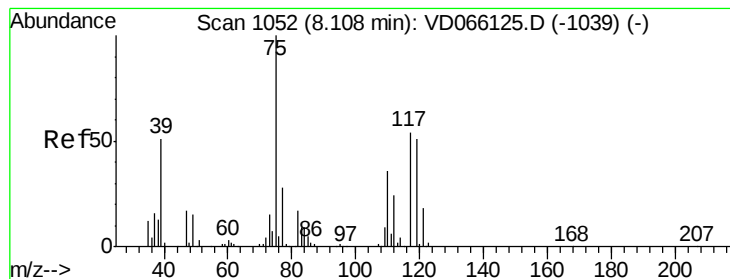


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.466 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

CS-17

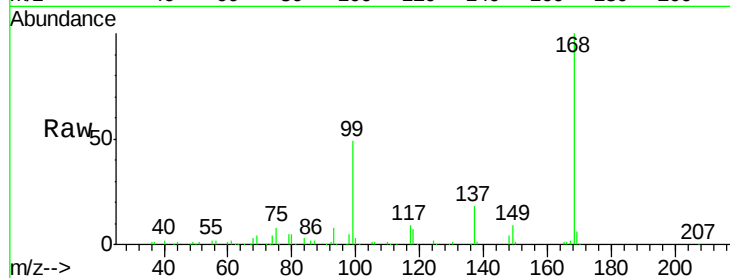
Tgt Ion: 75 Resp: 17383

Ion Ratio Lower Upper

75 100

110 7.8 18.8 56.3#

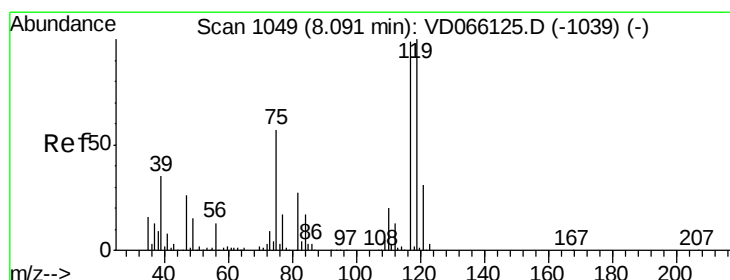
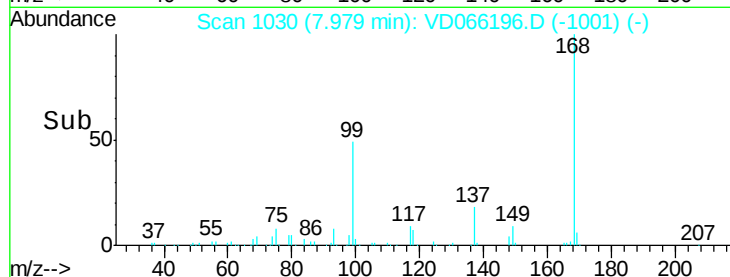
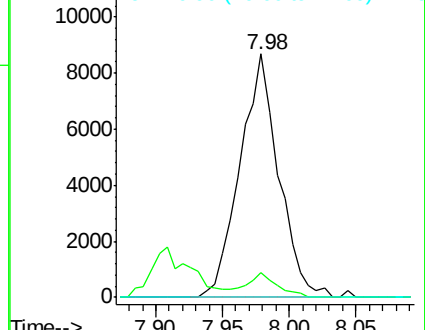
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.492 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

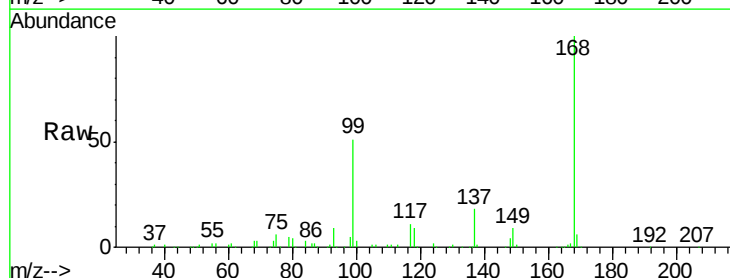
Tgt Ion: 117 Resp: 23838

Ion Ratio Lower Upper

117 100

119 4.6 81.0 121.4#

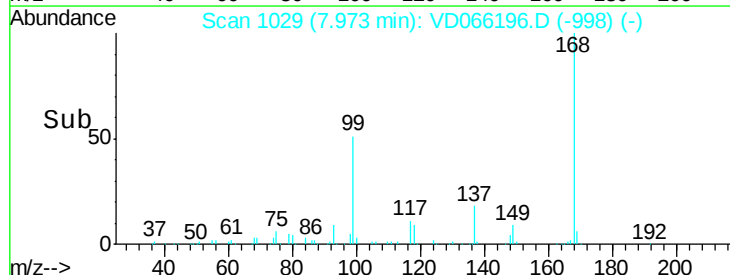
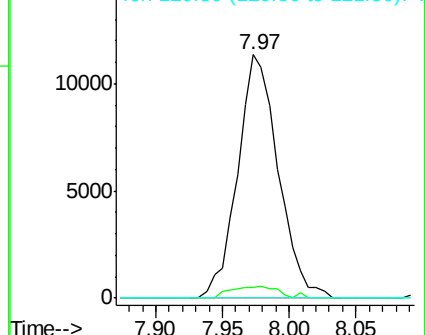
121 0.0 24.8 37.2#

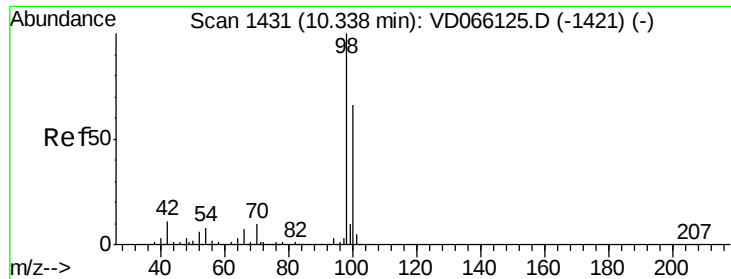


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

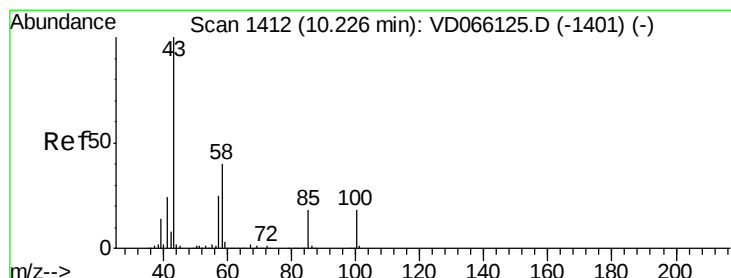
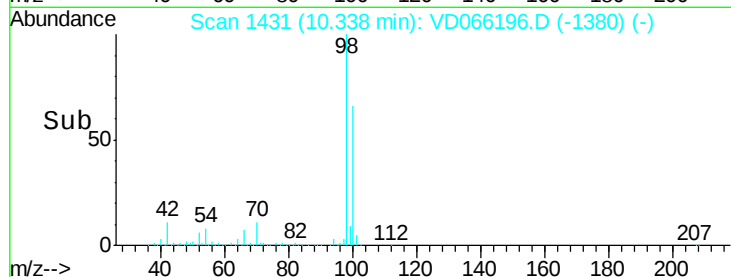
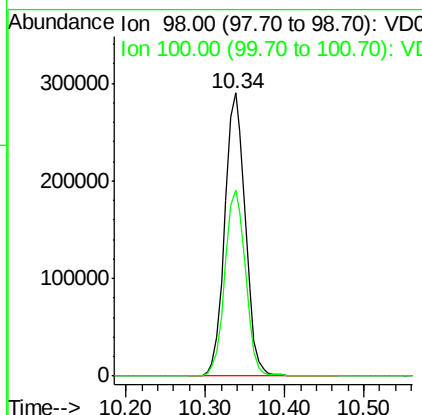
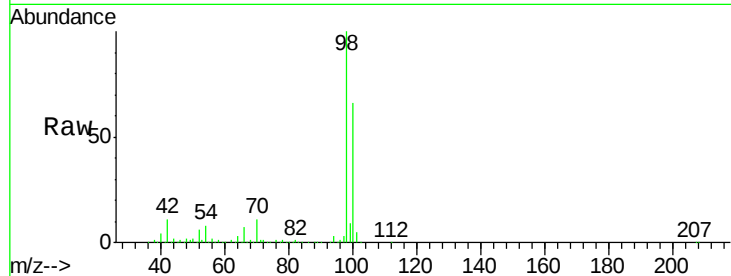




#50
Toluene-d8
Concen: 53.652 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066196.D
Acq: 11 Aug 2020 19:40

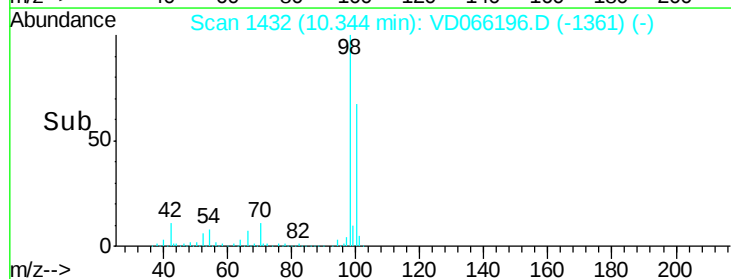
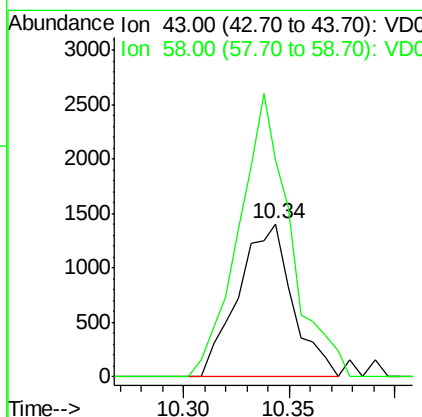
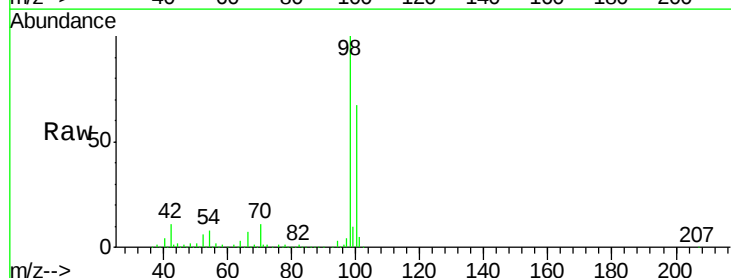
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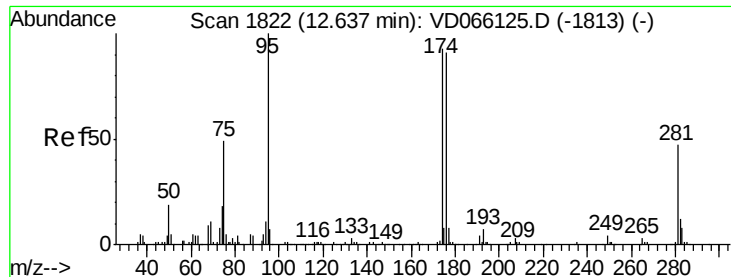
Tgt Ion: 98 Resp: 519487
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.605 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD066196.D
Acq: 11 Aug 2020 19:40

Tgt Ion: 43 Resp: 2505
Ion Ratio Lower Upper
43 100
58 176.1 31.1 46.7#

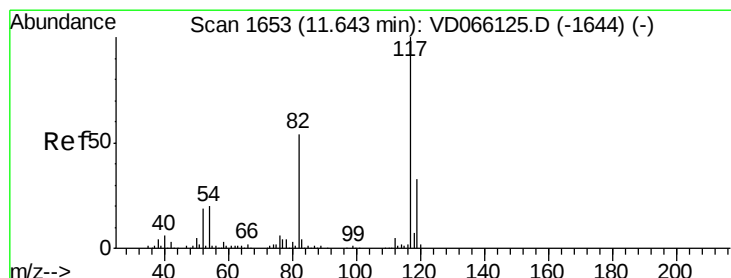
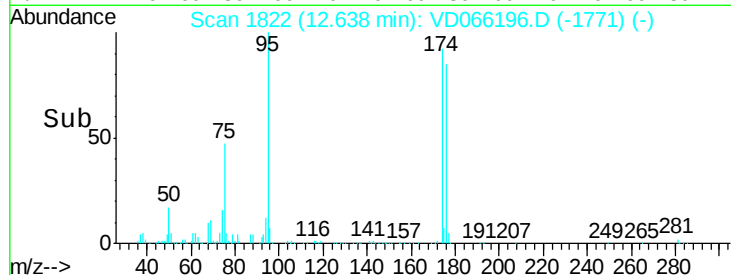
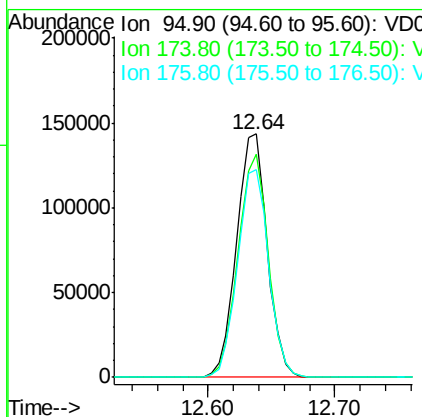
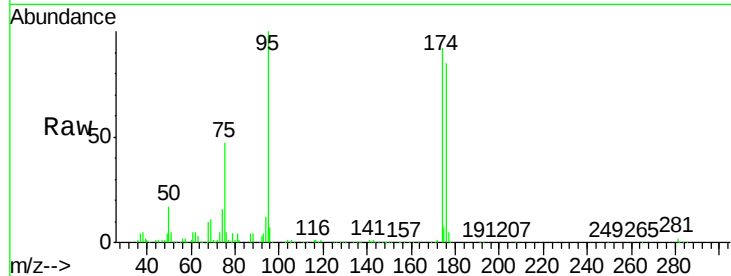




#62
4-Bromofluorobenzene
Concen: 68.589 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066196.D
Acq: 11 Aug 2020 19:40

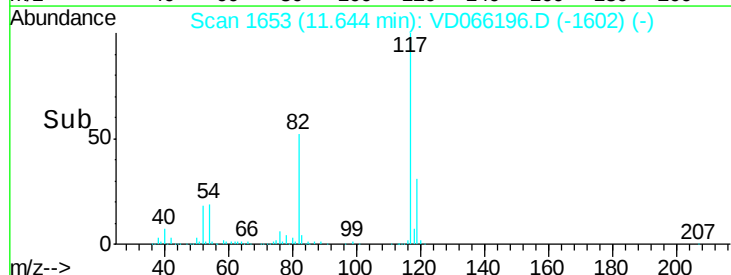
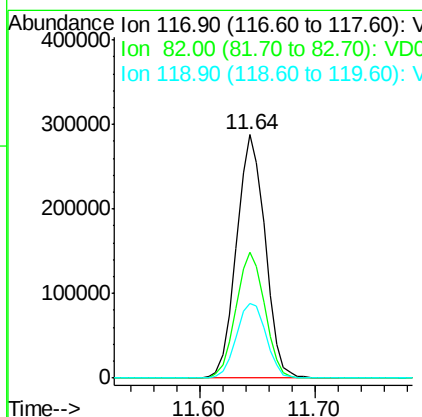
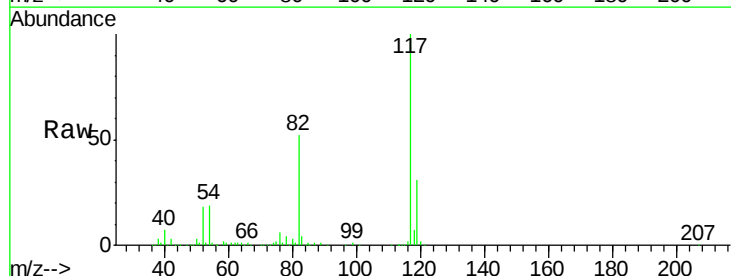
Instrument :
MSVOA_D
ClientSampleId :
CS-17

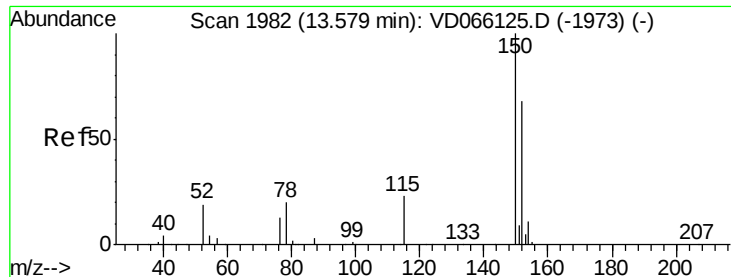
Tgt Ion: 95 Resp: 239386
Ion Ratio Lower Upper
95 100
174 90.8 0.0 180.8
176 86.8 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066196.D
Acq: 11 Aug 2020 19:40

Tgt Ion: 117 Resp: 493489
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 30.7 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampled :

CS-17

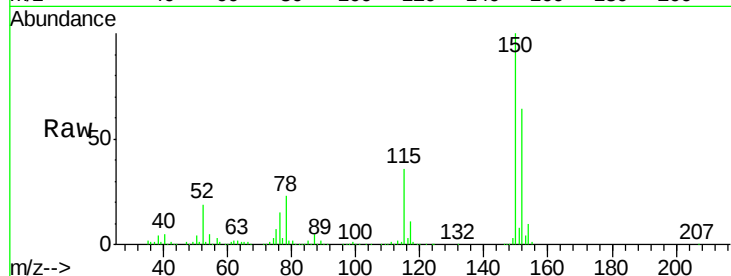
Tgt Ion:152 Resp: 281978

Ion Ratio Lower Upper

152 100

115 55.2 28.0 83.9

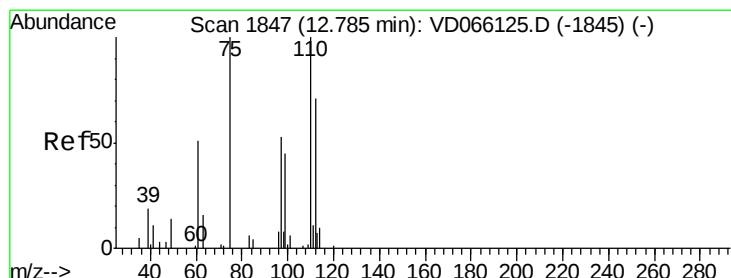
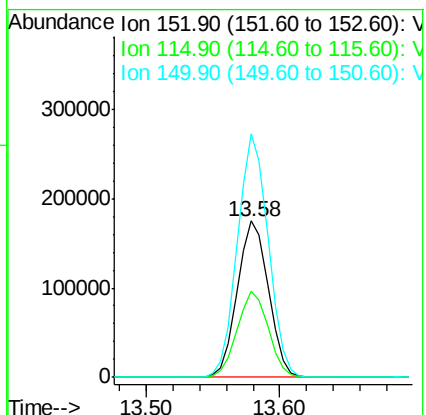
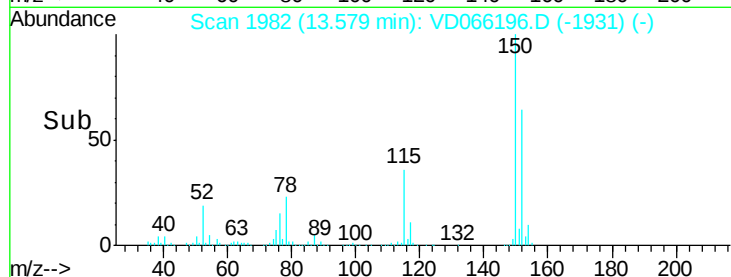
150 153.7 0.0 346.4



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: 51.064 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066196.D

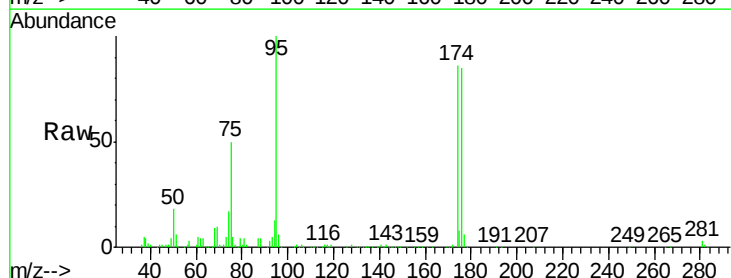
Acq: 11 Aug 2020 19:40

Tgt Ion: 75 Resp: 120077

Ion Ratio Lower Upper

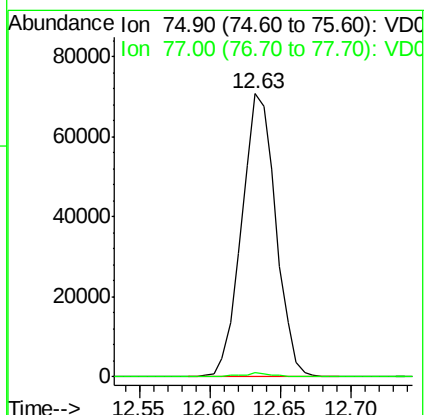
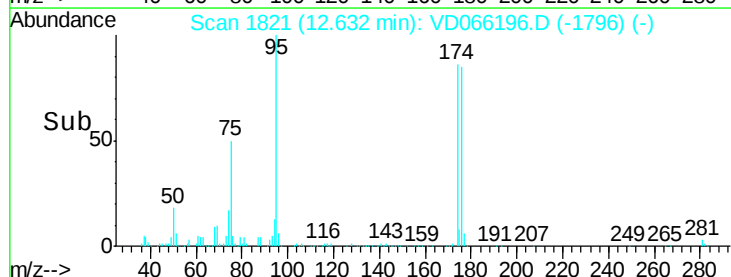
75 100

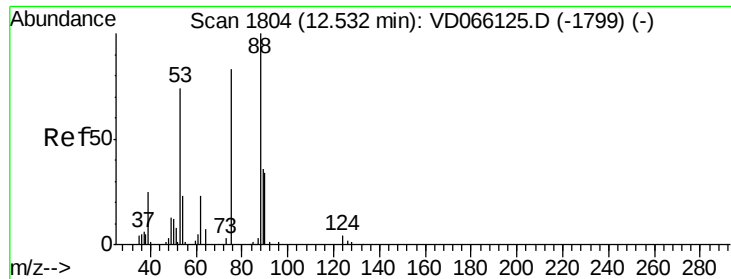
77 1.3 0.0 0.0#



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: 112.880 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066196.D

Acq: 11 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

CS-17

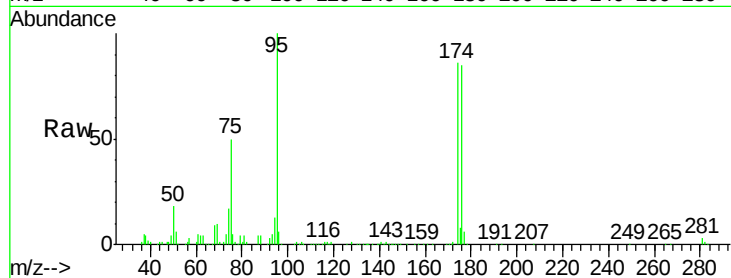
Tgt Ion: 75 Resp: 120077

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



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

