

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066850.D
 Acq On : 24 Sep 2020 14:48
 Operator : VA/SY
 Sample : L4125-07
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-25

Quant Time: Sep 25 01:09:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	714391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	718248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	213024	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	7.91	113	230117	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.34	98	867486	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	12.63	95	303065	57.17	ug/l	0.00
Spiked Amount			Recovery	=	114.34%	

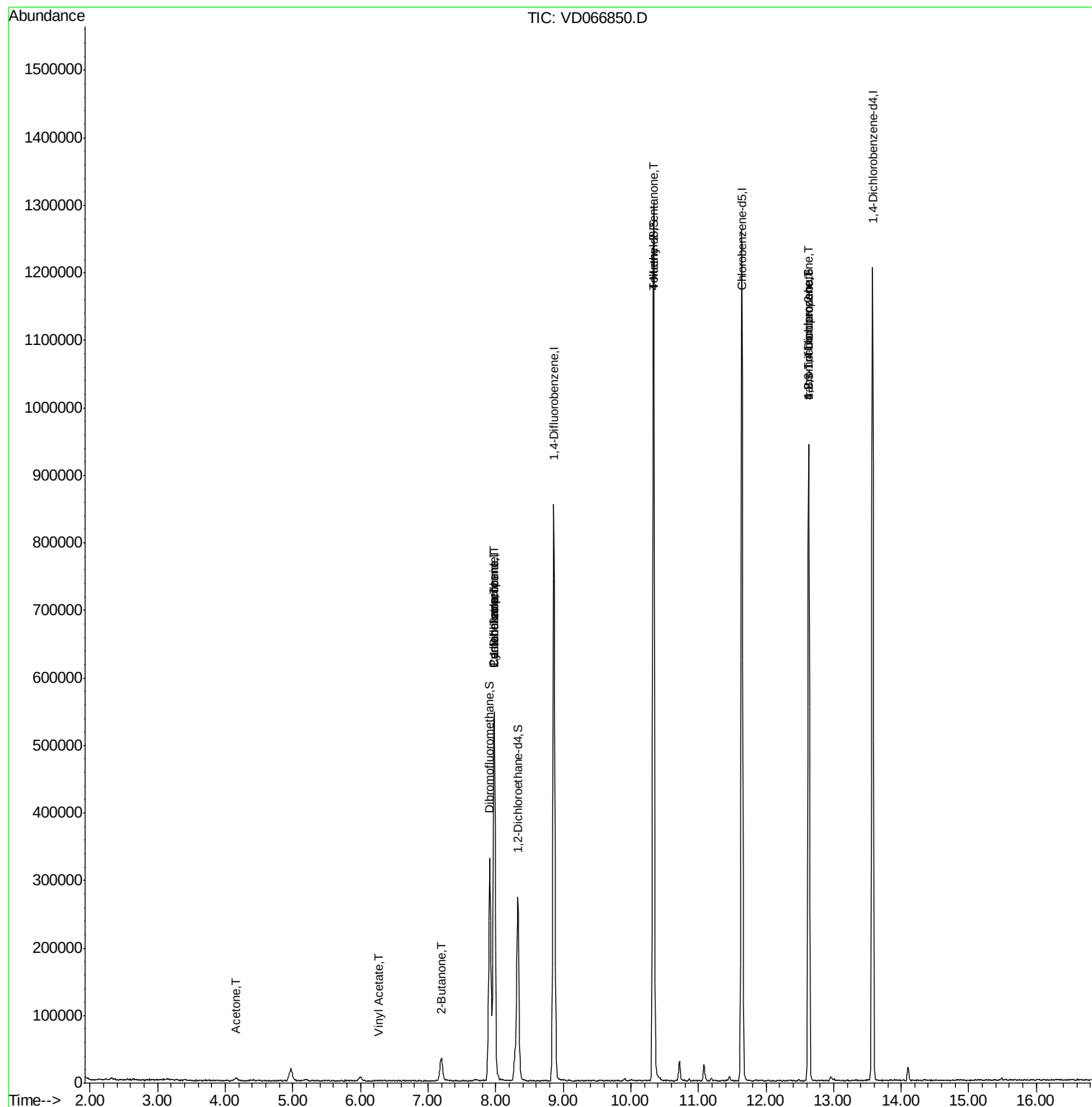
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	71	Below Cal	#	46
11) Tert butyl alcohol	5.19	59	1407	Below Cal	#	72
16) Acetone	4.17	43	8853	10.679	ug/l	95
18) Methyl Acetate	4.51	43	82	Below Cal	#	50
20) Methylene Chloride	4.96	84	14488	Below Cal		93
23) Vinyl Acetate	6.28	43	54	2.680	ug/l #	71
25) 2-Butanone	7.21	43	1801	1.808	ug/l #	46
31) Cyclohexane	7.98	56	8778	1.235	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	33264	4.693	ug/l #	50
38) Carbon Tetrachloride	7.98	117	41371	5.339	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	4428	1.769	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	157286	59.488	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	157286	148.834	ug/l #	10

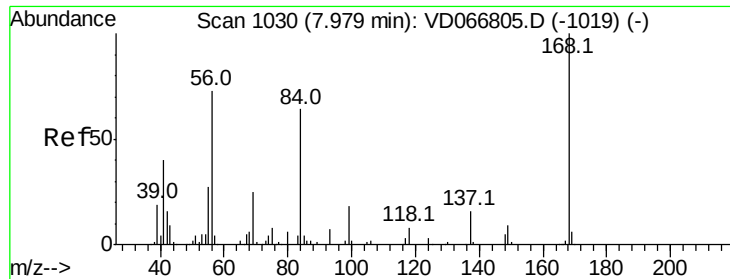
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
Data File : VD066850.D
Acq On : 24 Sep 2020 14:48
Operator : VA/SY
Sample : L4125-07
Misc : 5.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CS-25

Quant Time: Sep 25 01:09:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066850.D

Acq: 24 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

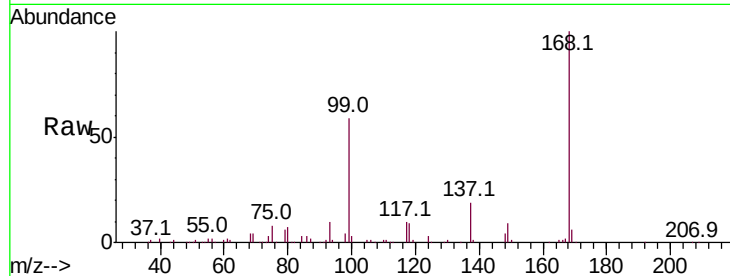
CS-25

Tot Ion:168 Resp: 399270

Ion Ratio Lower Upper

168 100

99 59.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

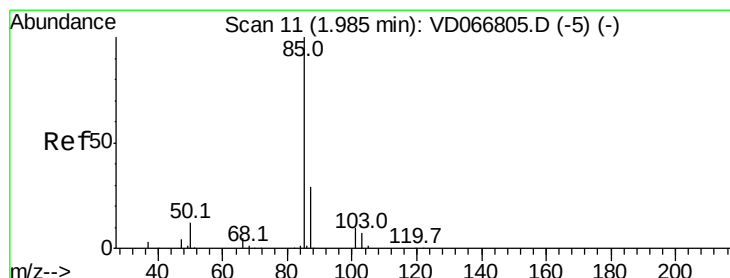
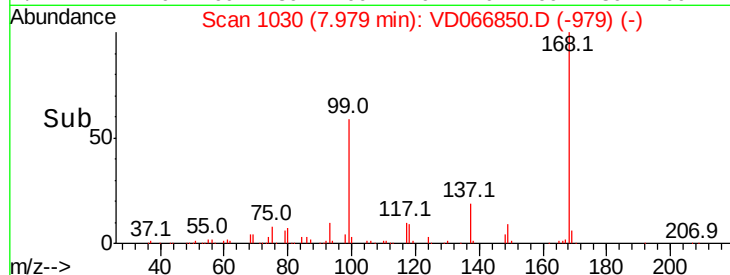
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066850.D

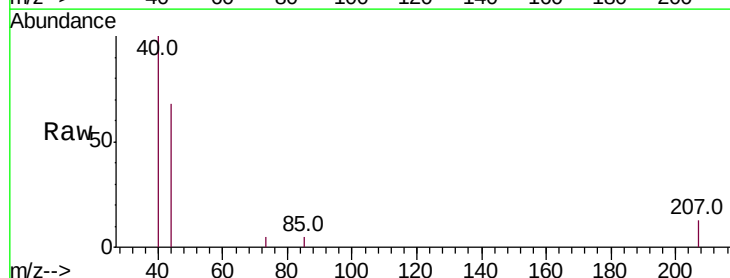
Acq: 24 Sep 2020 14:48

Tgt Ion: 85 Resp: 71

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200

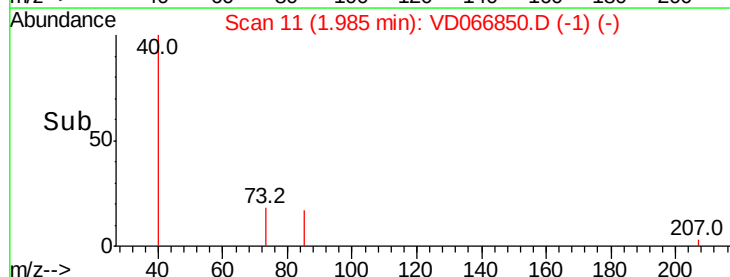
150

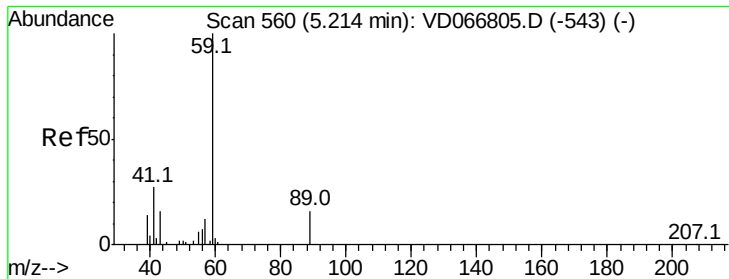
100

50

0

Time-->



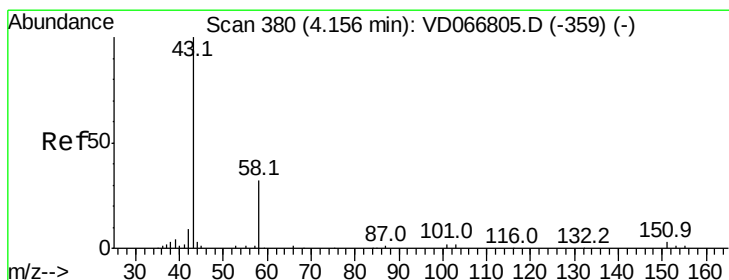
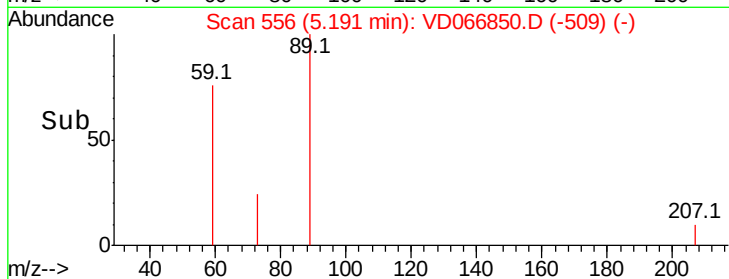
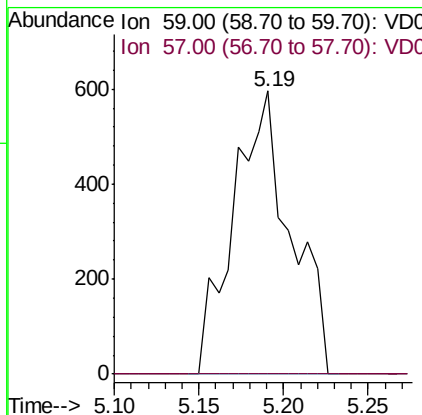
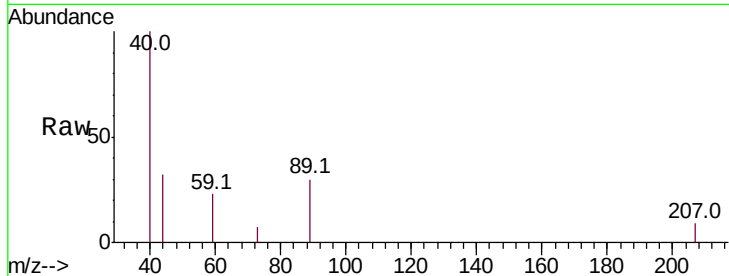


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066850.D
 Acq: 24 Sep 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-25

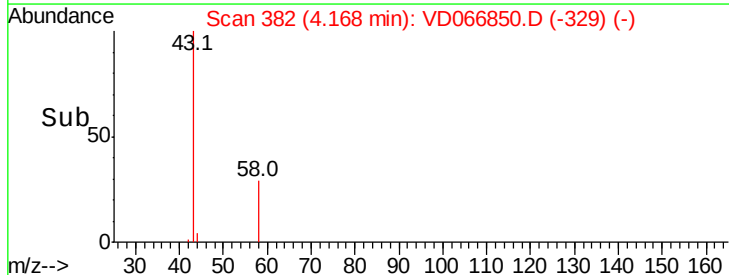
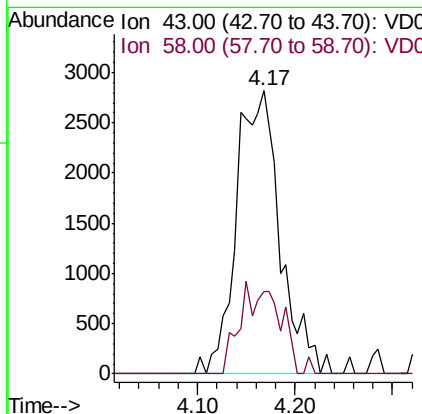
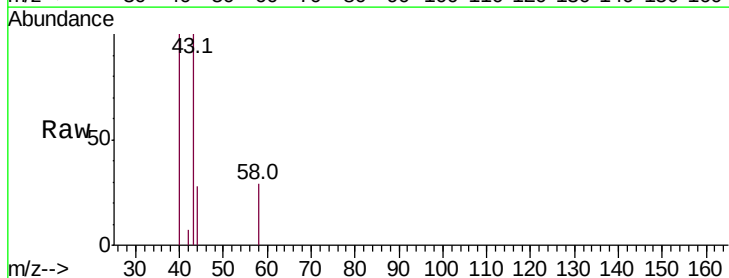
Tot Ion: 59 Resp: 1407
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

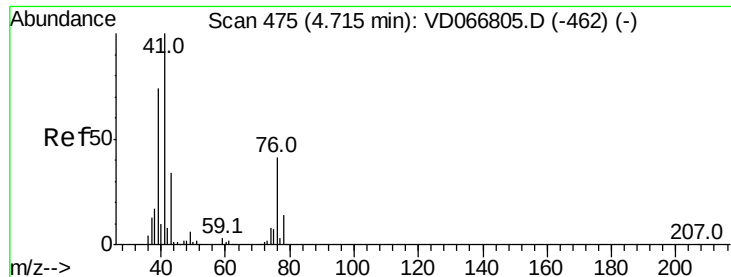


#16

Acetone
 Concen: 10.679 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066850.D
 Acq: 24 Sep 2020 14:48

Tgt Ion: 43 Resp: 8853
 Ion Ratio Lower Upper
 43 100
 58 29.2 25.6 38.4

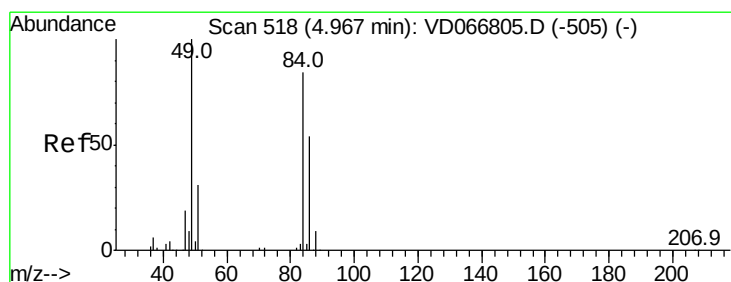
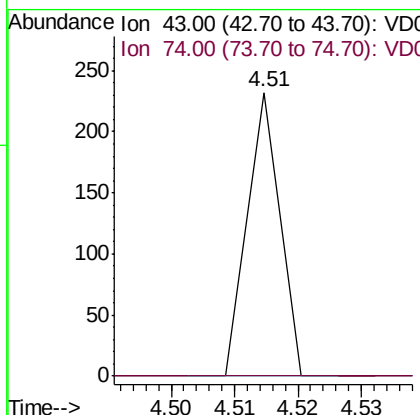
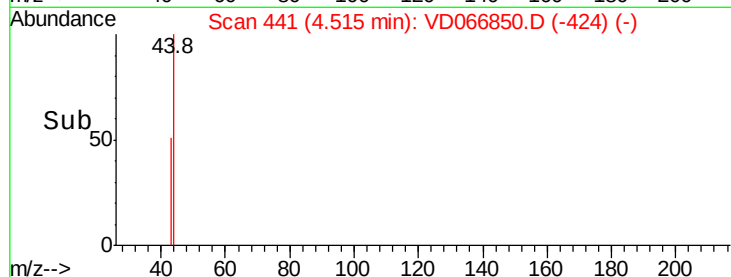
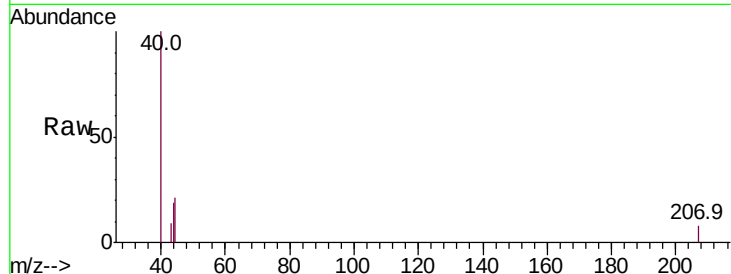




#18
Methyl Acetate
Concen: Below Cal
RT: 4.51 min Scan# 441
Delta R.T. -0.20 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

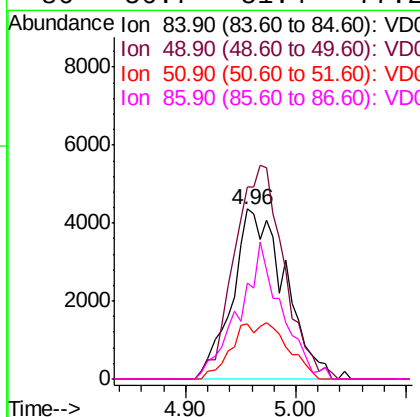
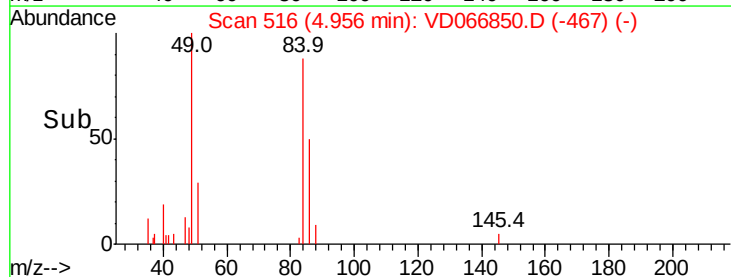
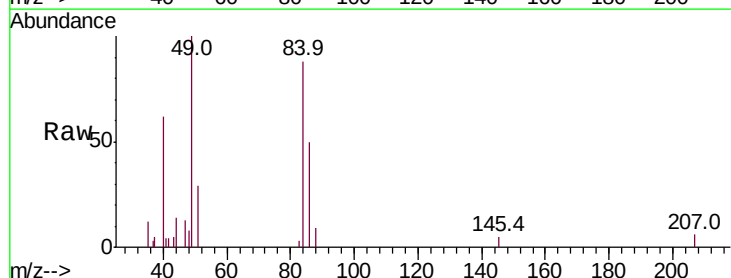
Instrument :
MSVOA_D
ClientSampleId :
CS-25

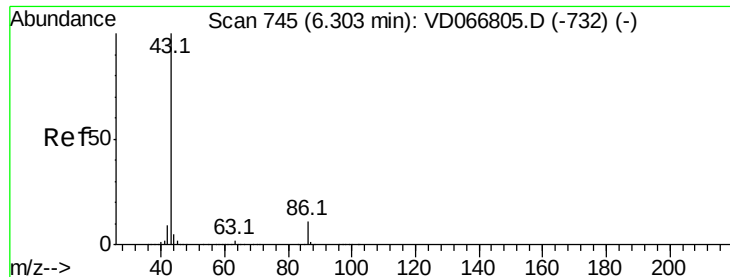
Tot Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

Tgt Ion: 84 Resp: 14488
Ion Ratio Lower Upper
84 100
49 113.1 95.4 143.2
51 32.6 29.7 44.5
86 56.7 51.4 77.2





#23

Vinyl Acetate

Concen: 2.680 ug/l

RT: 6.28 min Scan# 741

Delta R.T. -0.02 min

Lab File: VD066850.D

Acq: 24 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

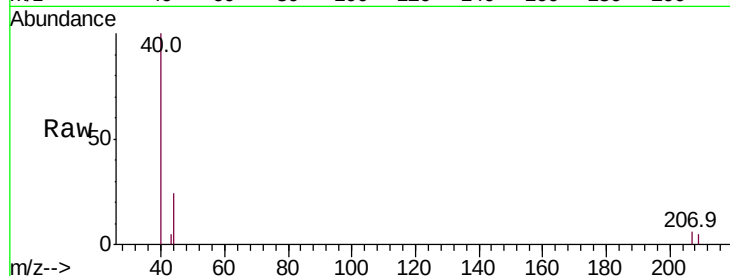
CS-25

Tot Ion: 43 Resp: 54

Ion Ratio Lower Upper

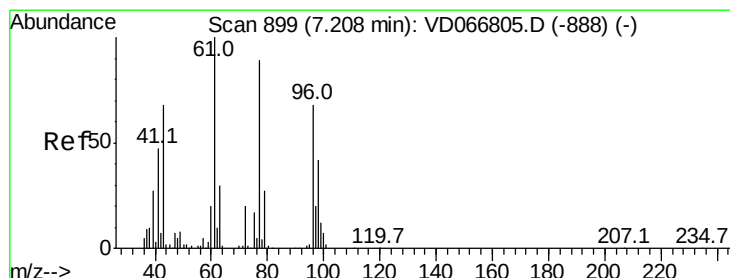
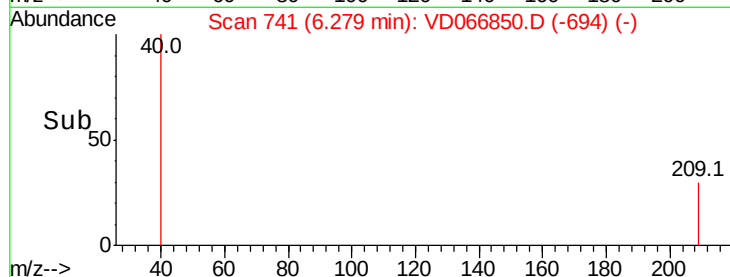
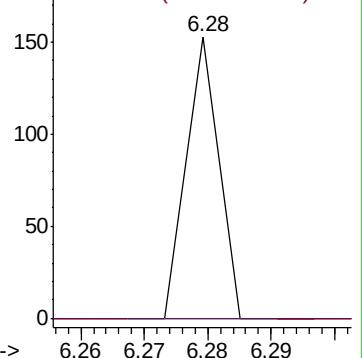
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 1.808 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066850.D

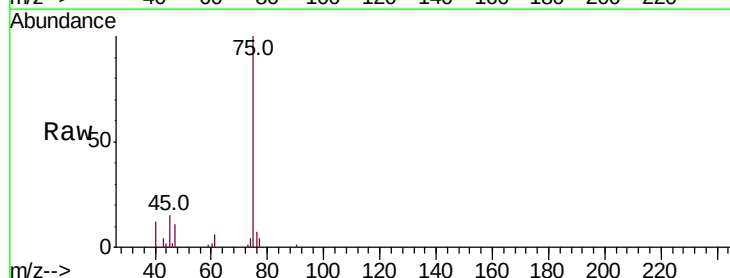
Acq: 24 Sep 2020 14:48

Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

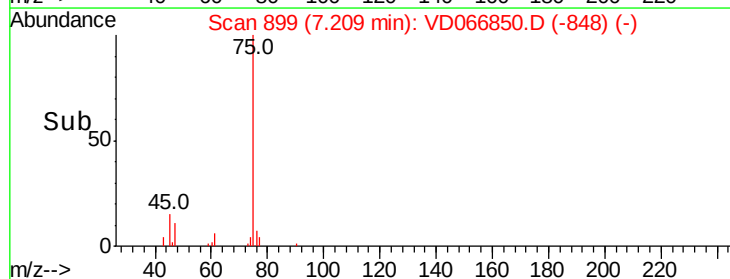
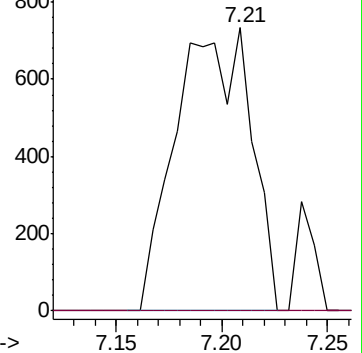
43 100

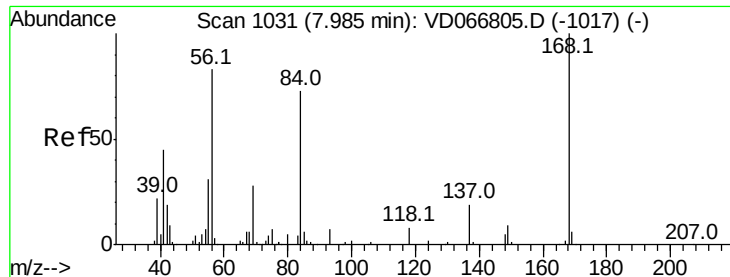
72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

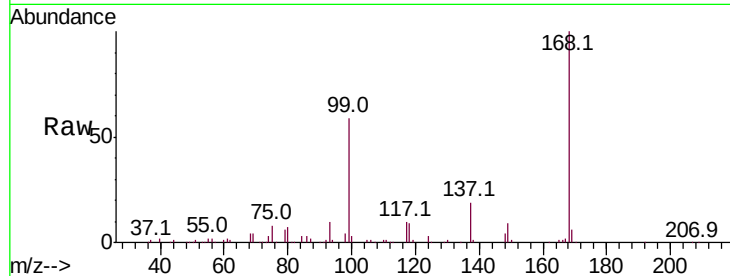




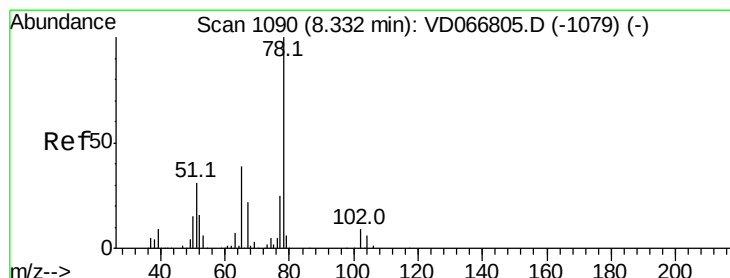
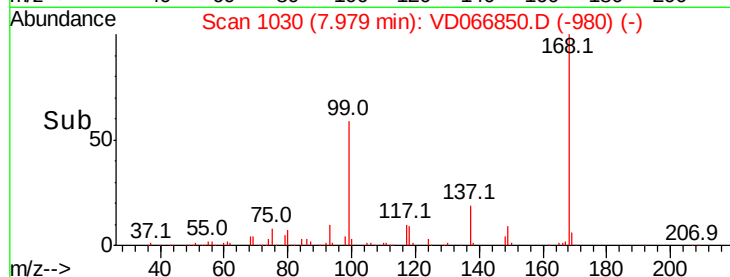
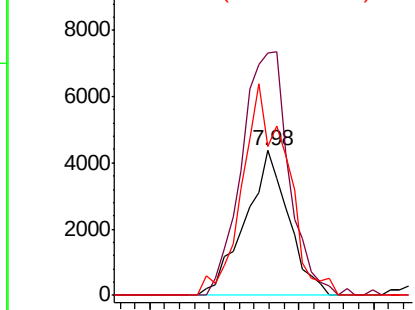
#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

Instrument :
MSVOA_D
ClientSampled :
CS-25

Tot Ion: 56 Resp: 8778
Ion Ratio Lower Upper
56 100
69 167.9 27.0 40.4#
84 102.7 70.2 105.4

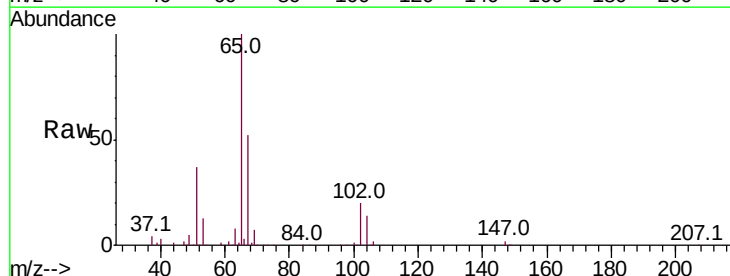


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

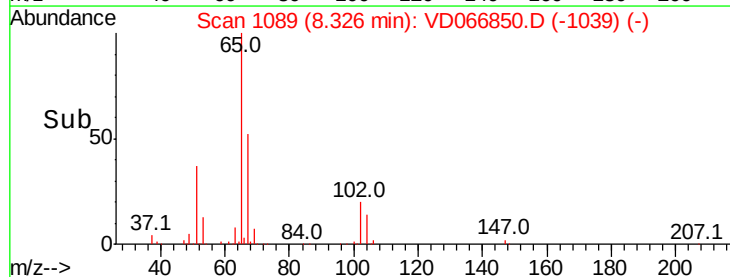
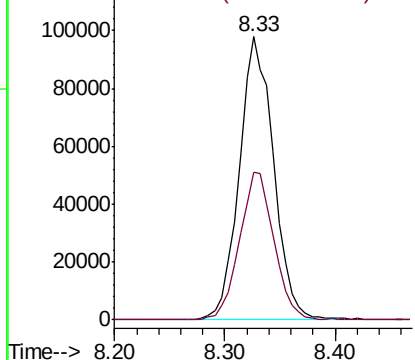


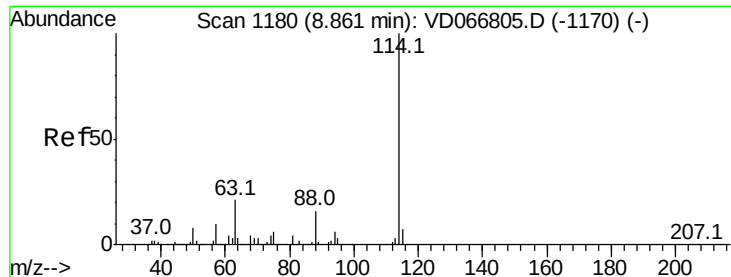
#33
1,2-Dichloroethane-d4
Concen: 54.511 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

Tgt Ion: 65 Resp: 213024
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2



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

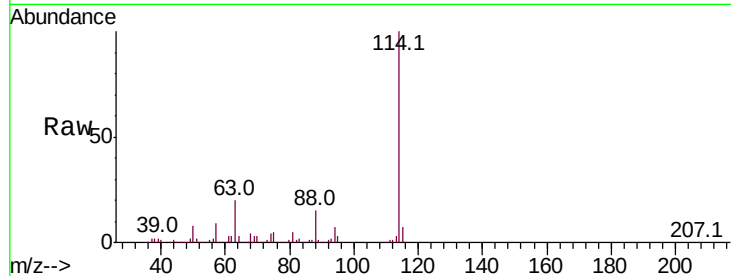




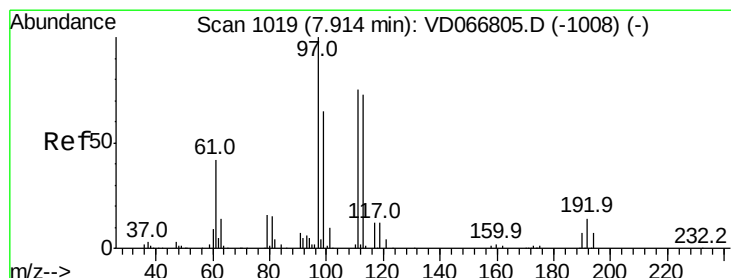
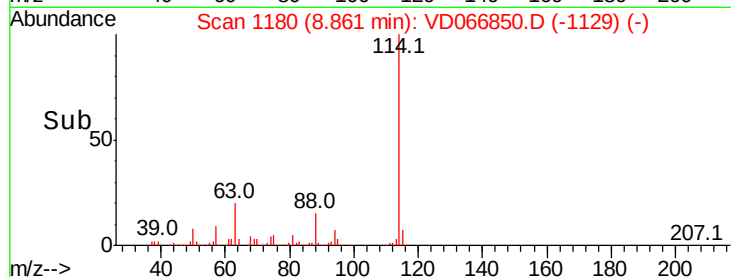
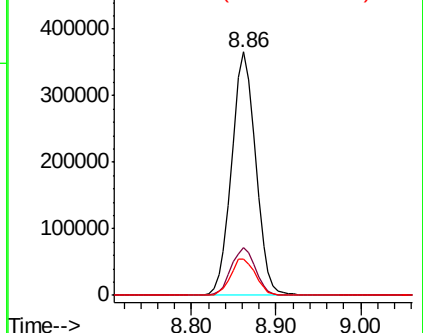
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
CS-25

Tot Ion:114 Resp: 714391
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.6
88 15.1 0.0 32.6

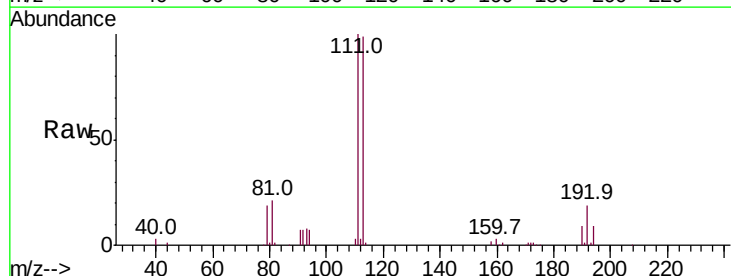


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

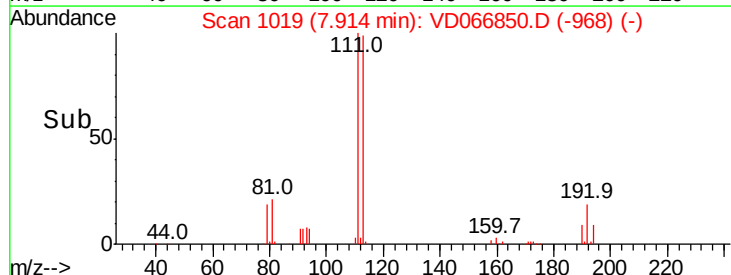
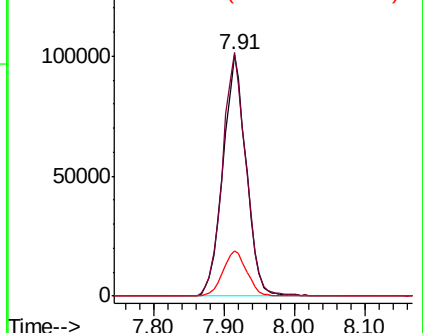


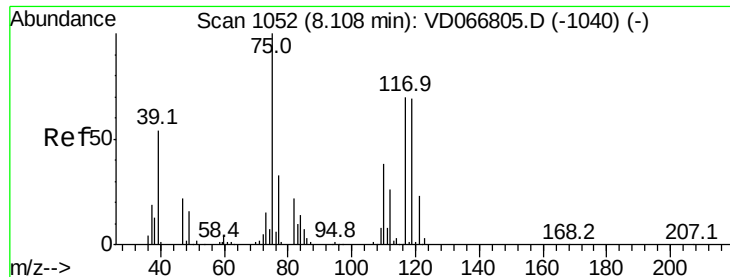
#35
Dibromofluoromethane
Concen: 50.631 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

Tgt Ion:113 Resp: 230117
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 19.3 14.4 21.6



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: 4.693 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066850.D

Acq: 24 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

CS-25

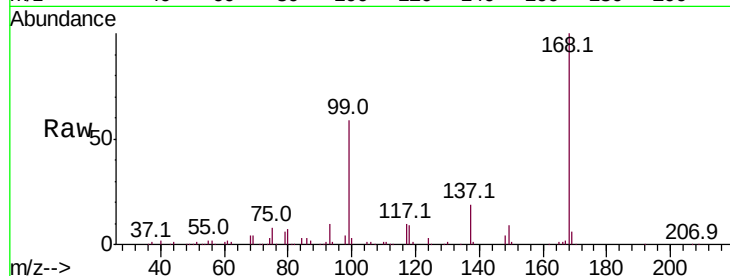
Tot Ion: 75 Resp: 33264

Ion Ratio Lower Upper

75 100

110 9.8 17.9 53.8#

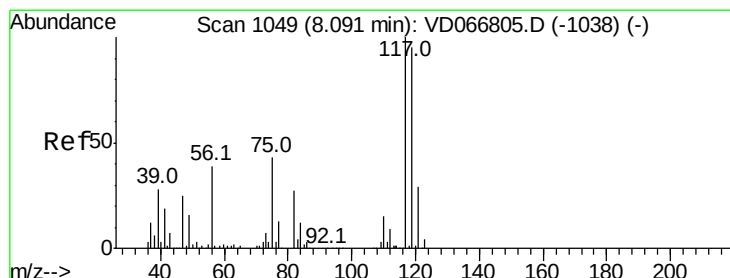
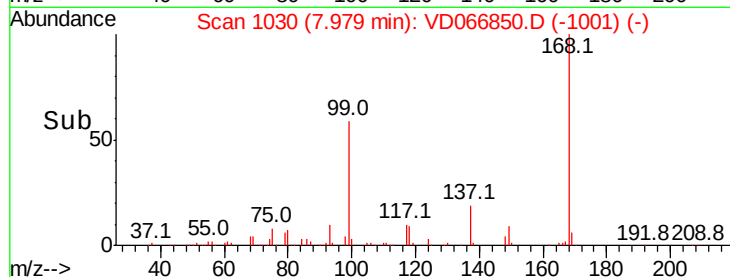
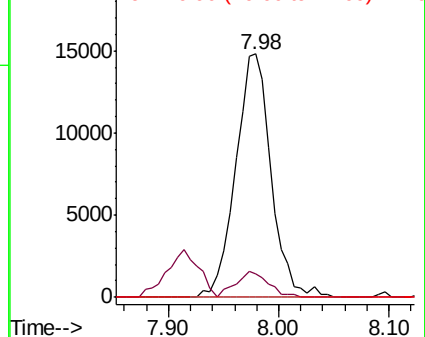
77 0.0 25.0 37.6#



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: 5.339 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066850.D

Acq: 24 Sep 2020 14:48

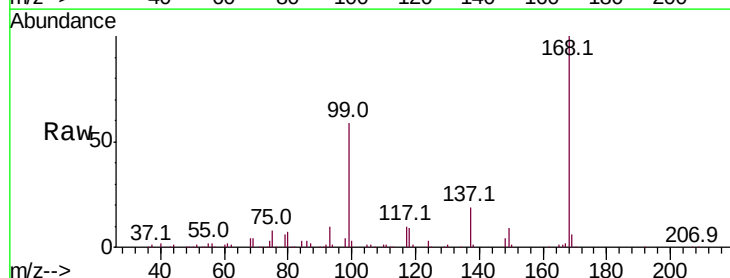
Tgt Ion: 117 Resp: 41371

Ion Ratio Lower Upper

117 100

119 7.4 75.8 113.8#

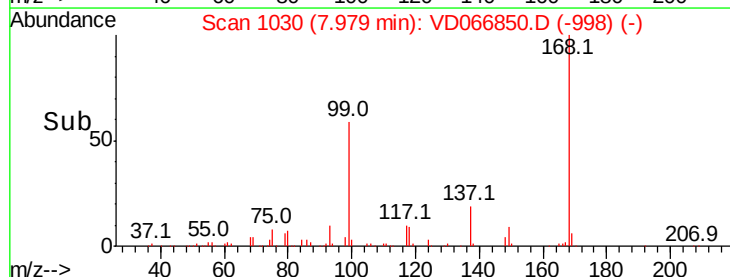
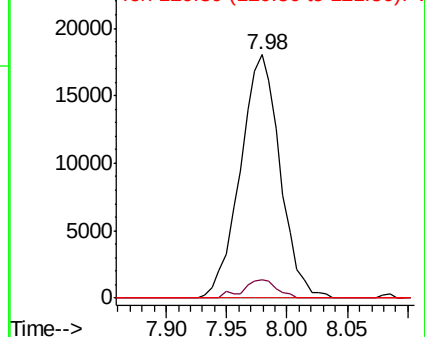
121 0.0 23.4 35.0#

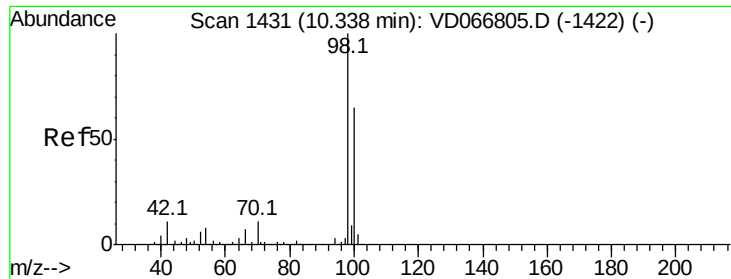


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

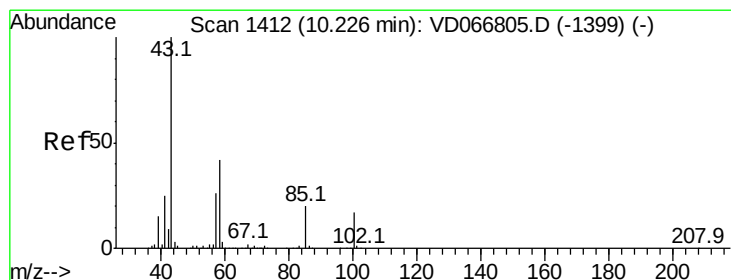
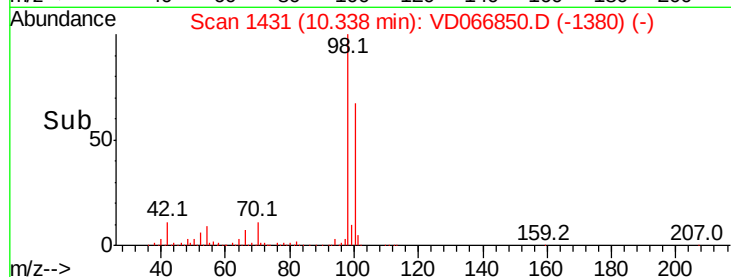
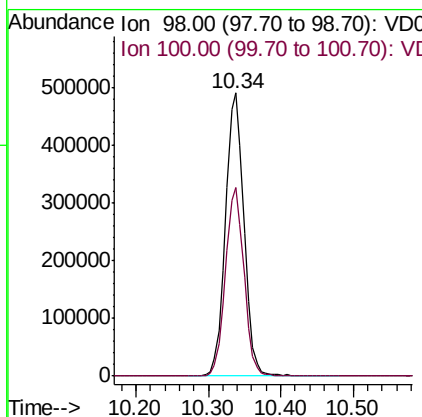
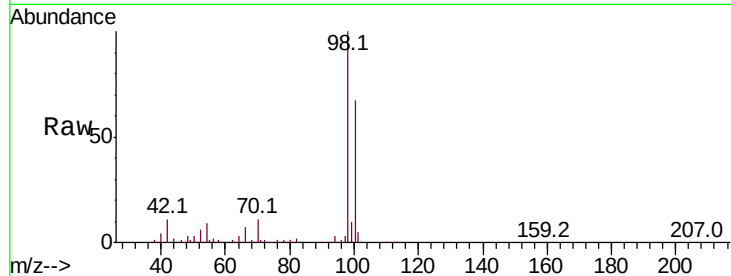




#50
Toluene-d8
Concen: 56.019 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

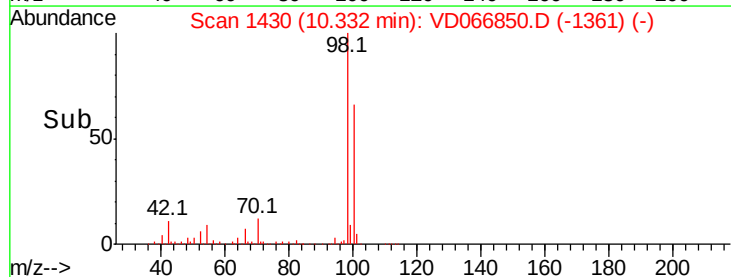
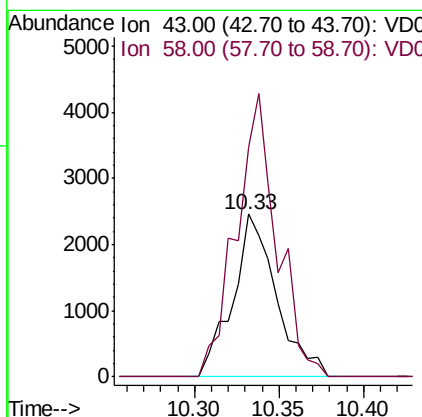
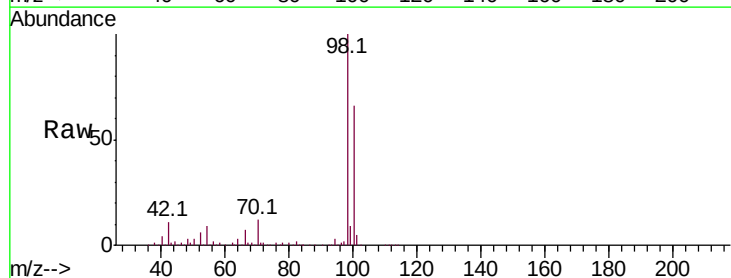
Instrument :
MSVOA_D
ClientSampled :
CS-25

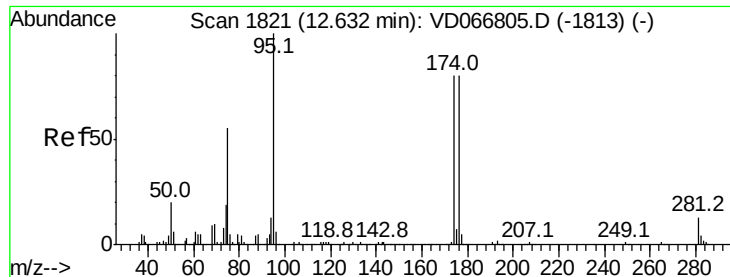
Tot Ion: 98 Resp: 867486
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.769 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

Tgt Ion: 43 Resp: 4428
Ion Ratio Lower Upper
43 100
58 162.5 32.2 48.4#

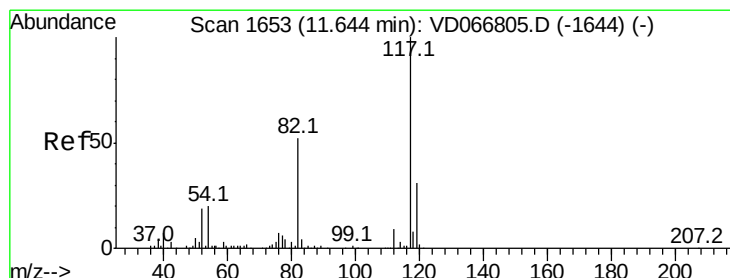
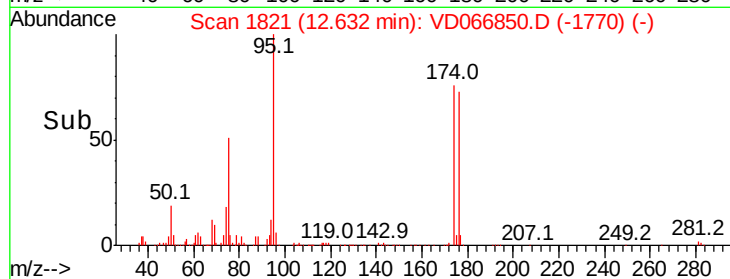
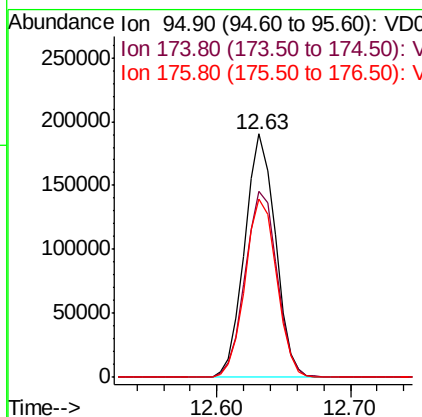
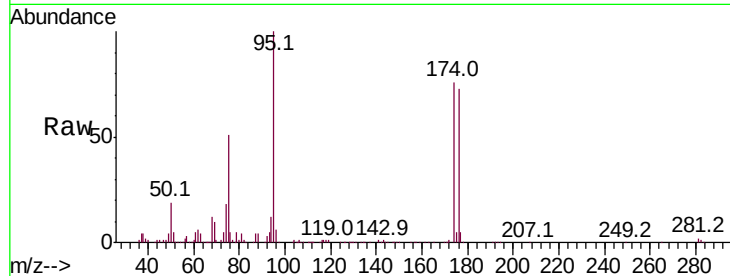




#62
4-Bromofluorobenzene
Concen: 57.169 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

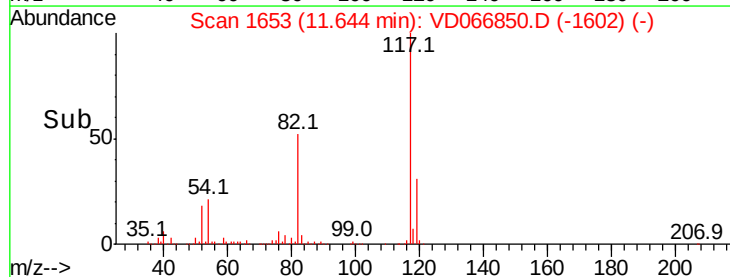
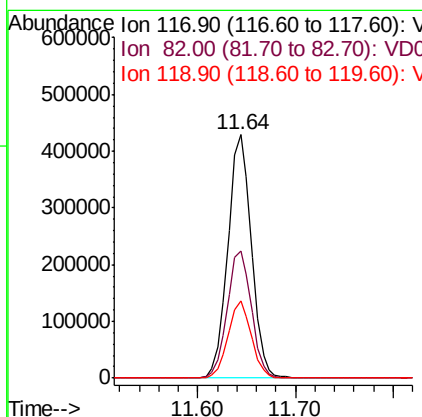
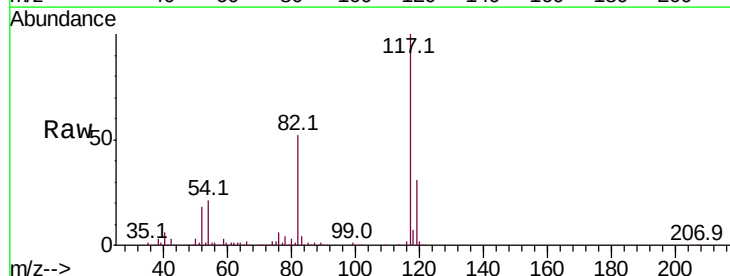
Instrument :
MSVOA_D
ClientSampleId :
CS-25

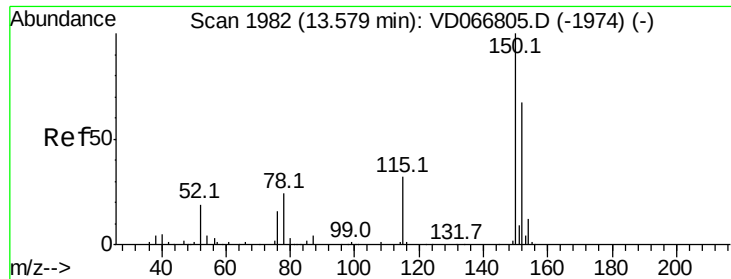
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	159.8
176	75.0	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066850.D
Acq: 24 Sep 2020 14:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.6
119	31.5	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066850.D

Acq: 24 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

CS-25

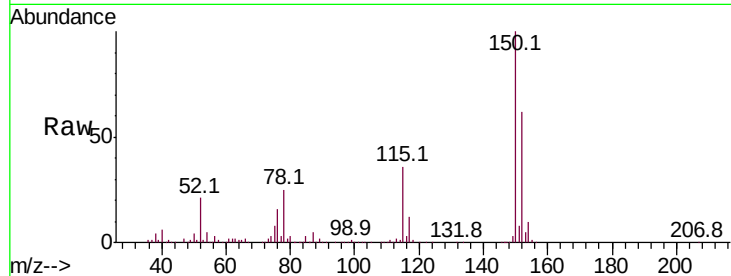
Tot Ion:152 Resp: 319045

Ion Ratio Lower Upper

152 100

115 58.5 30.3 91.0

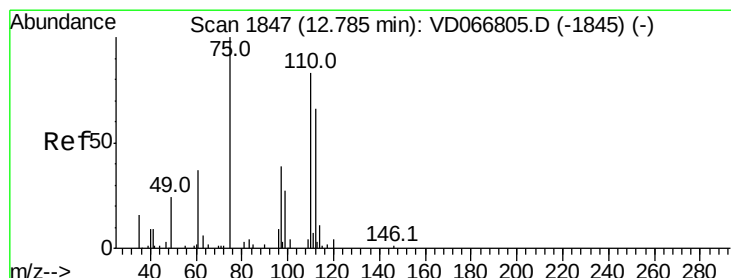
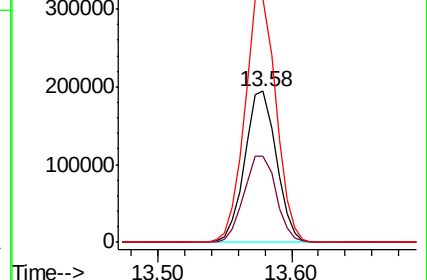
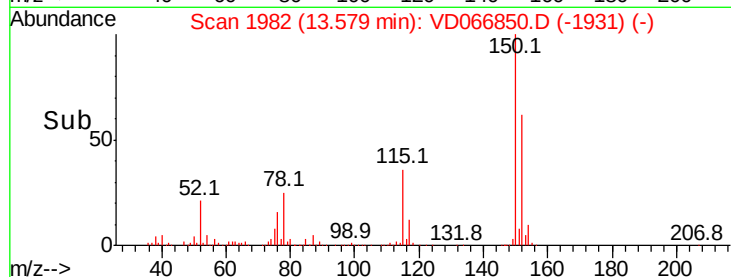
150 160.8 0.0 346.2



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: 59.488 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066850.D

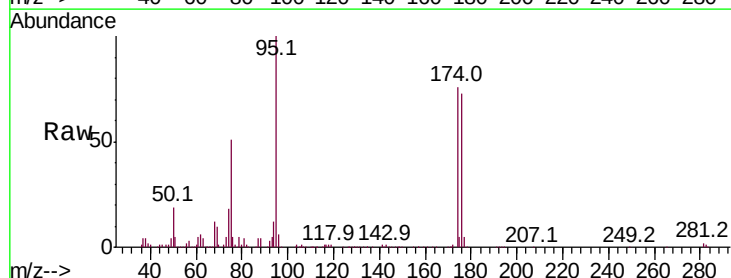
Acq: 24 Sep 2020 14:48

Tgt Ion: 75 Resp: 157286

Ion Ratio Lower Upper

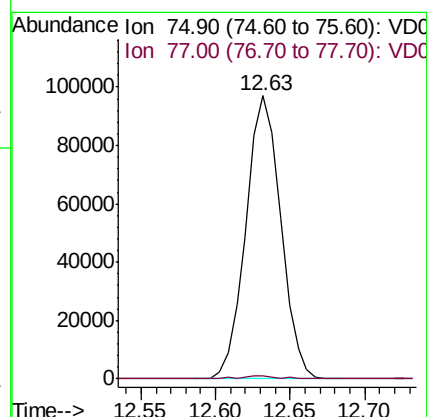
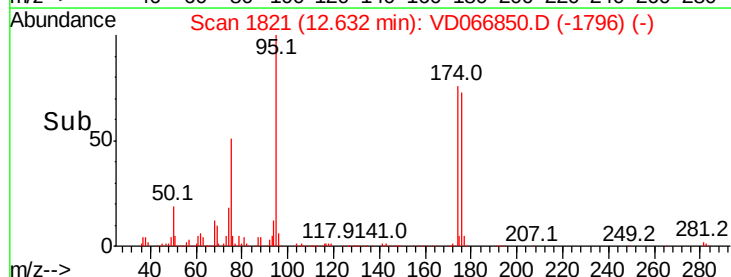
75 100

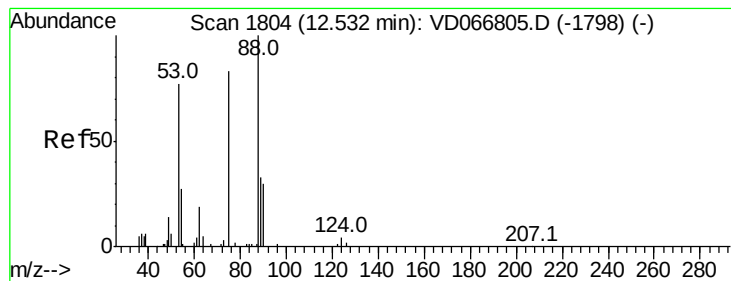
77 1.3 0.0 0.0#



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: 148.834 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066850.D

Acq: 24 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

CS-25

Tot Ion: 75 Resp: 157286

Ion Ratio Lower Upper

75 100

53 0.3 78.5 117.7#

89 0.0 38.1 57.1#

