

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066847.D
 Acq On : 24 Sep 2020 13:25
 Operator : VA/SY
 Sample : L4125-04
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-22

Quant Time: Sep 25 01:09:27 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	404318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	718219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	722136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332364	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	222085	56.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.24%	
35) Dibromofluoromethane	7.91	113	231516	50.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.34%	
50) Toluene-d8	10.34	98	876064	56.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.54%	
62) 4-Bromofluorobenzene	12.63	95	313056	58.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.48%	

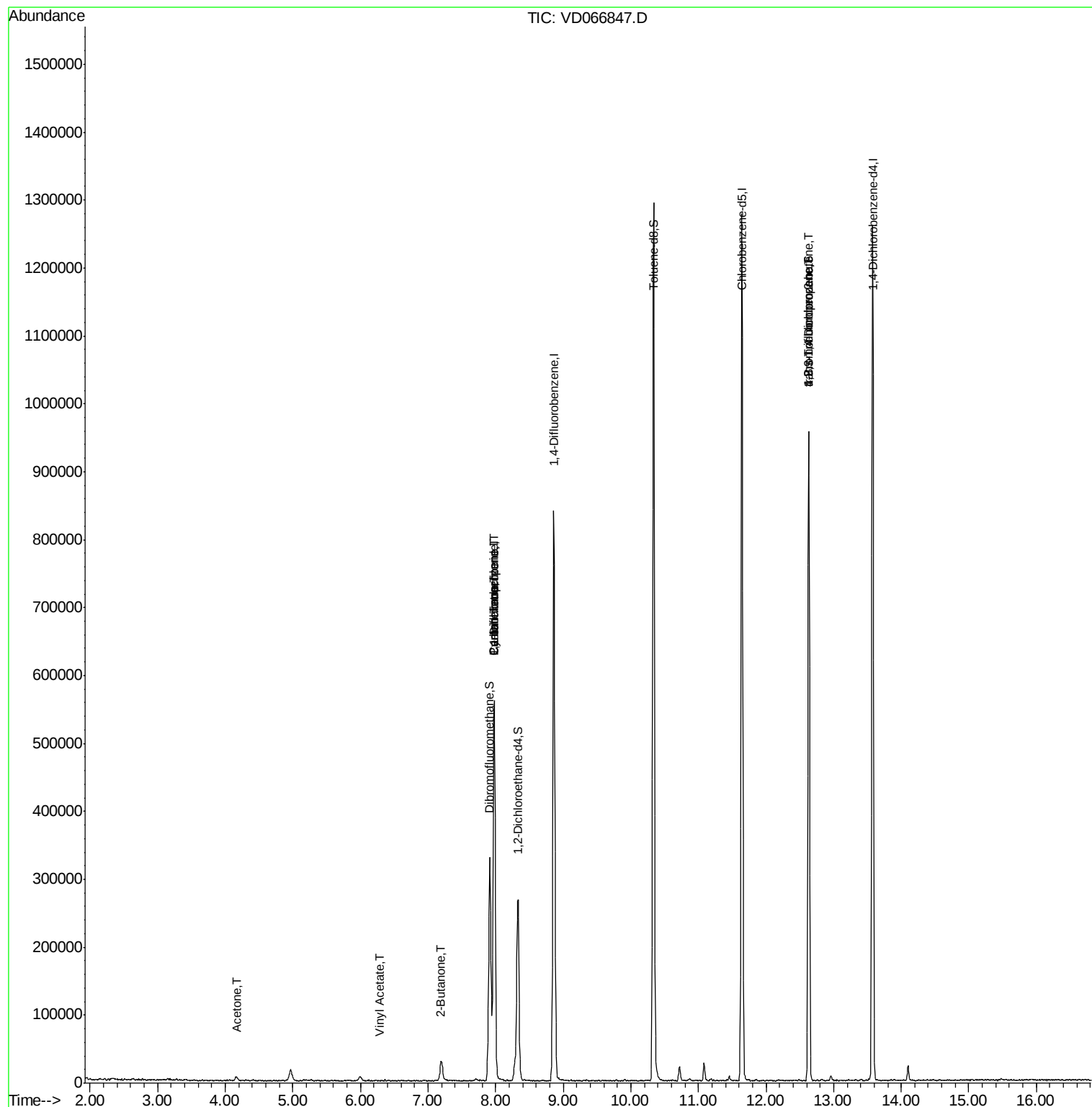
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	334	Below Cal	#	46
11) Tert butyl alcohol	5.20	59	432	Below Cal	#	72
16) Acetone	4.17	43	10050	11.972	ug/l	95
18) Methyl Acetate	4.67	43	170	Below Cal	#	50
20) Methylene Chloride	4.97	84	12021	Below Cal		95
23) Vinyl Acetate	6.29	43	80	2.684	ug/l #	71
25) 2-Butanone	7.19	43	1199	1.189	ug/l #	46
31) Cyclohexane	7.98	56	9546	1.327	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32466	4.556	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41859	5.373	ug/l #	16
49) 1,4-Dioxane	9.46	88	80	Below Cal	#	9
76) 1,2,3-Trichloropropane	12.63	75	161937	58.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	161937	147.094	ug/l #	10

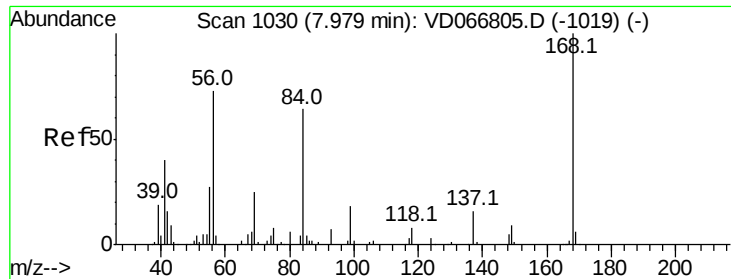
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

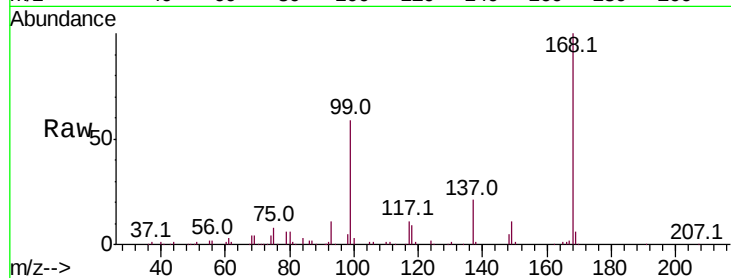
CS-22

Tot Ion:168 Resp: 404318

Ion Ratio Lower Upper

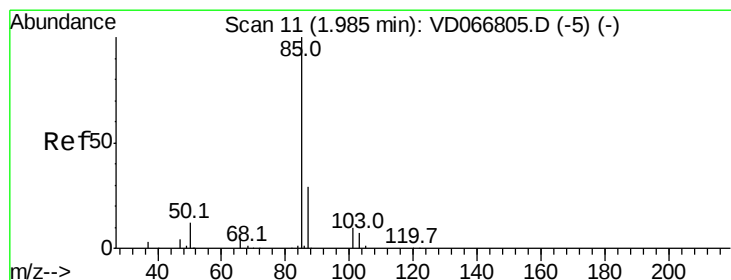
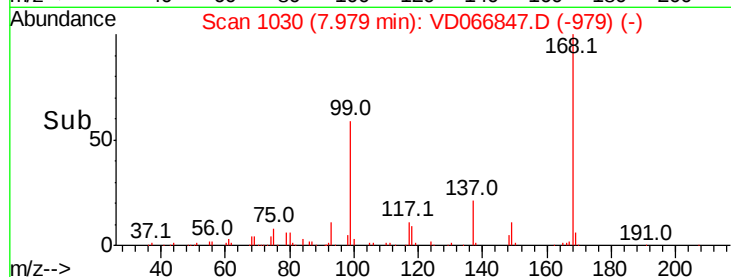
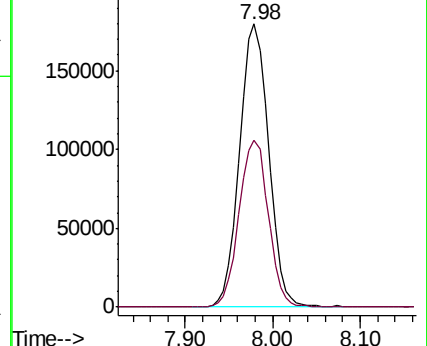
168 100

99 58.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066847.D

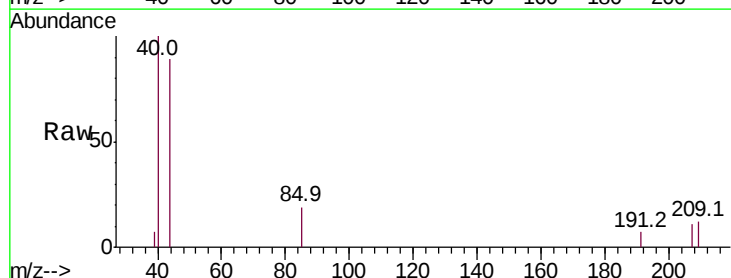
Acq: 24 Sep 2020 13:25

Tgt Ion: 85 Resp: 334

Ion Ratio Lower Upper

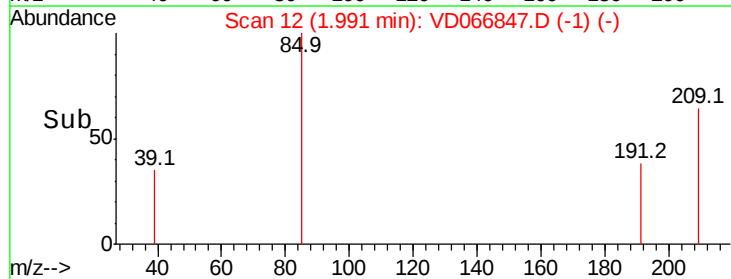
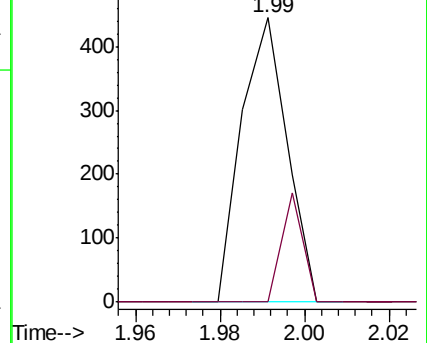
85 100

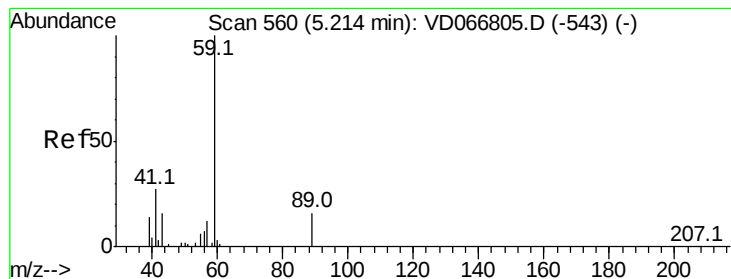
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



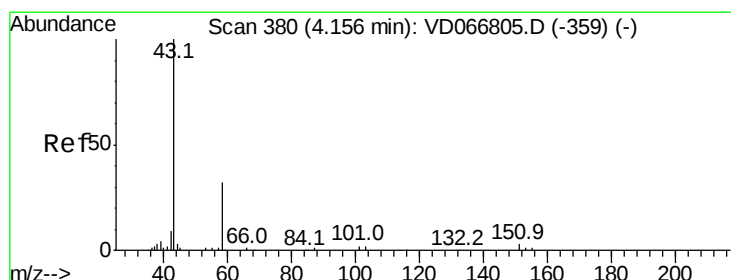
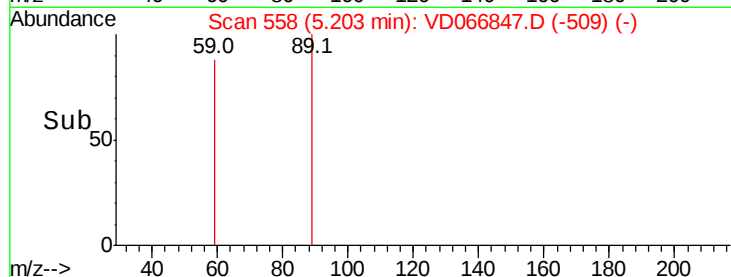
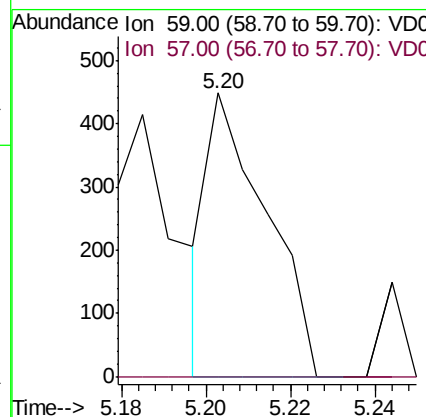
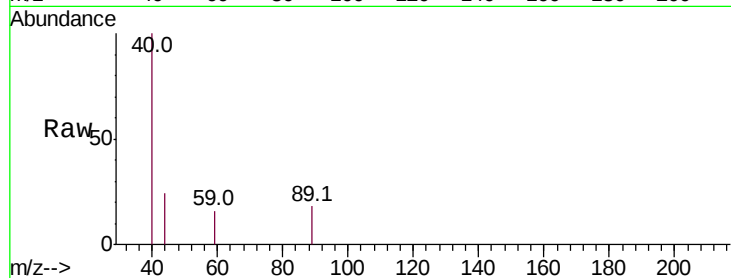


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066847.D
 Acq: 24 Sep 2020 13:25

Instrument :
 MSVOA_D
 ClientSampled :
 CS-22

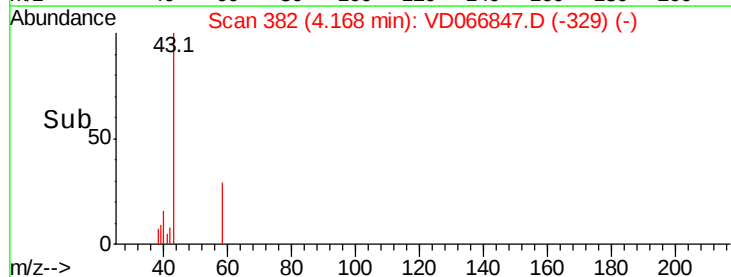
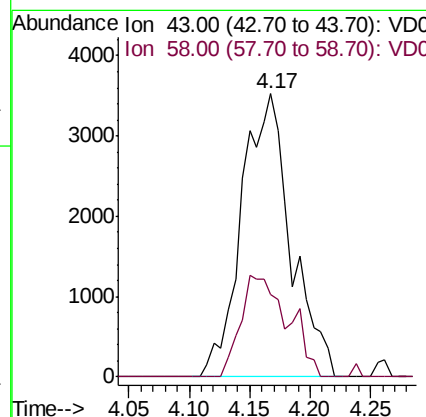
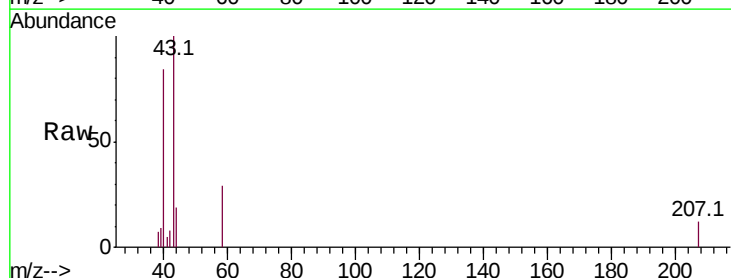
Tot Ion: 59 Resp: 432
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

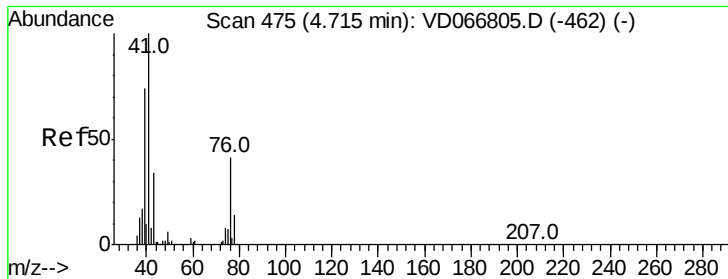


#16

Acetone
 Concen: 11.972 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066847.D
 Acq: 24 Sep 2020 13:25

Tgt Ion: 43 Resp: 10050
 Ion Ratio Lower Upper
 43 100
 58 29.2 25.6 38.4

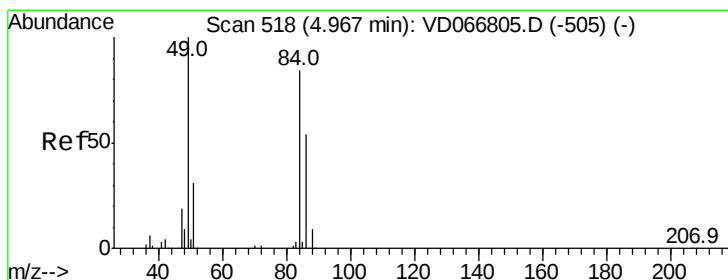
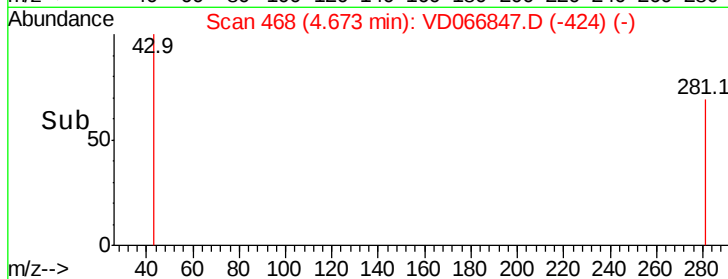
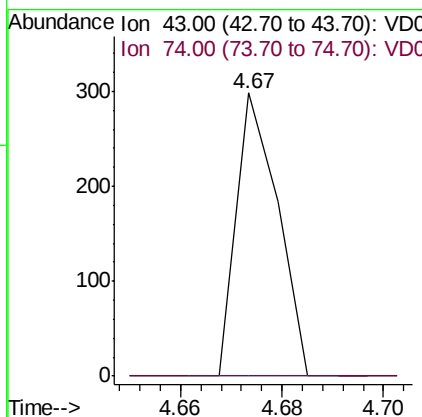
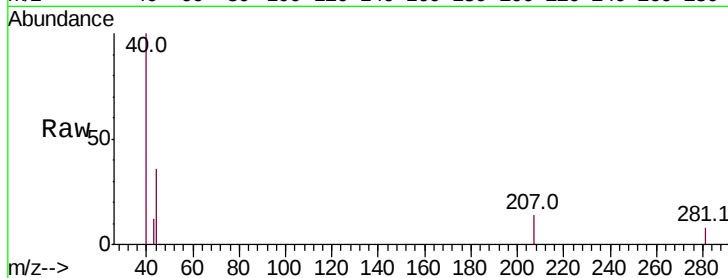




#18
Methyl Acetate
Concen: Below Cal
RT: 4.67 min Scan# 468
Delta R.T. -0.04 min
Lab File: VD066847.D
Acq: 24 Sep 2020 13:25

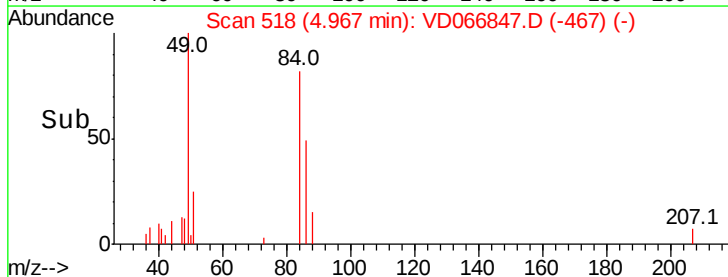
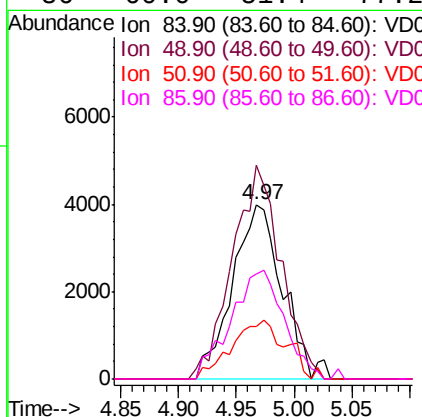
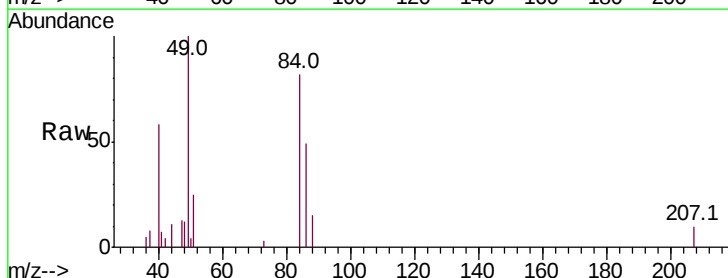
Instrument :
MSVOA_D
ClientSampleId :
CS-22

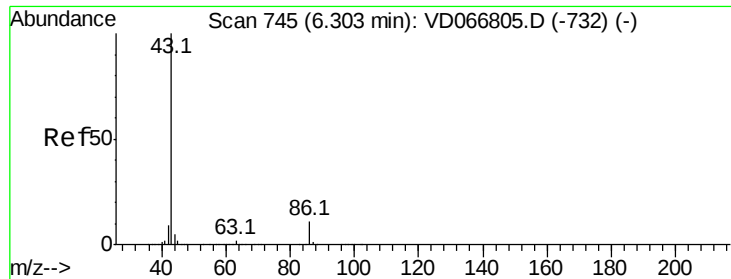
Tot Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066847.D
Acq: 24 Sep 2020 13:25

Tgt Ion: 84 Resp: 12021
Ion Ratio Lower Upper
84 100
49 122.7 95.4 143.2
51 30.2 29.7 44.5
86 60.0 51.4 77.2





#23

Vinyl Acetate

Concen: 2.684 ug/l

RT: 6.29 min Scan# 743

Delta R.T. -0.01 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

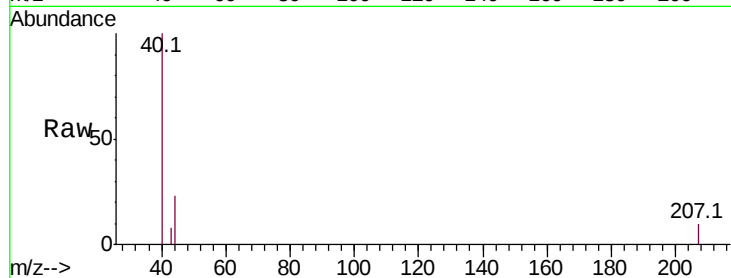
CS-22

Tot Ion: 43 Resp: 80

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

6.29

250

200

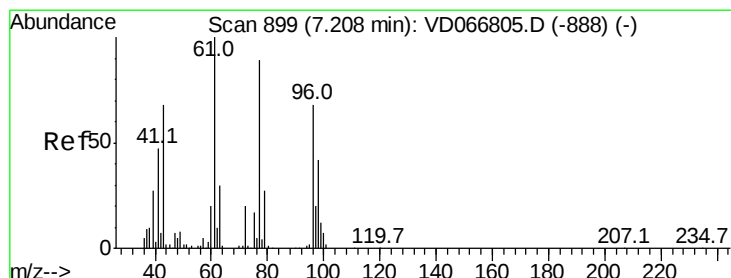
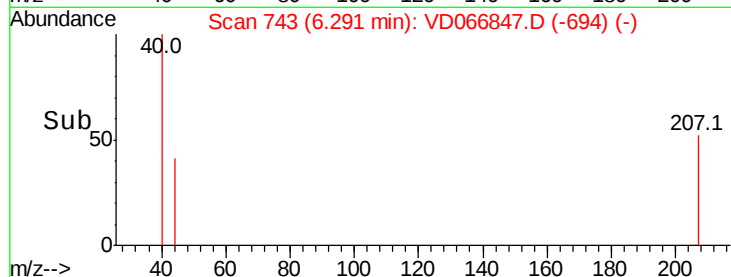
150

100

50

0

Time--> 6.27 6.28 6.29 6.30 6.31



#25

2-Butanone

Concen: 1.189 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066847.D

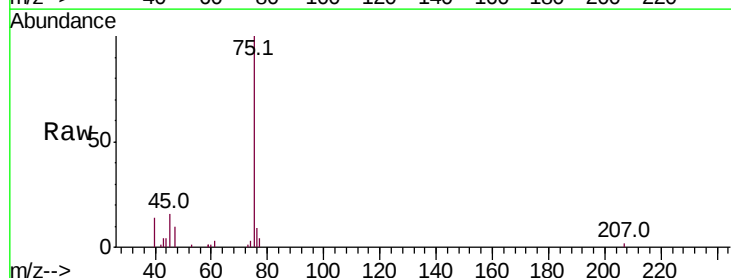
Acq: 24 Sep 2020 13:25

Tgt Ion: 43 Resp: 1199

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

7.19

1000

800

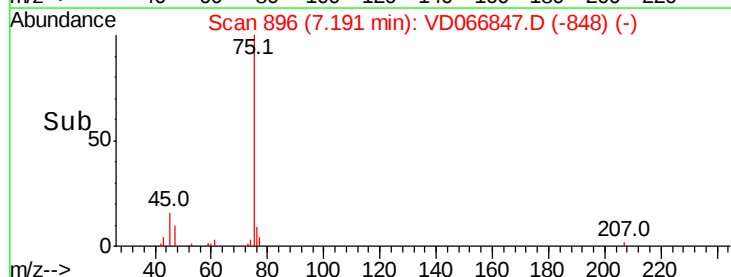
600

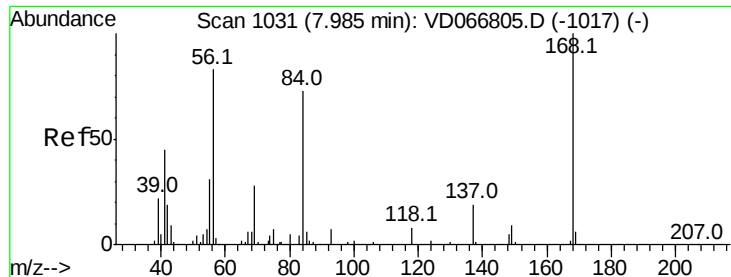
400

200

0

Time--> 7.16 7.18 7.20

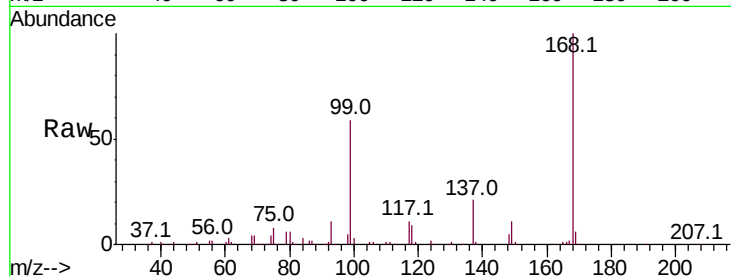




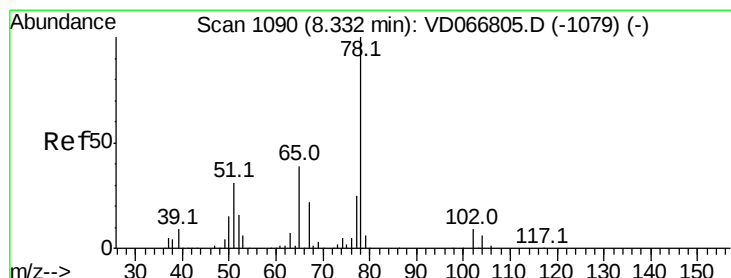
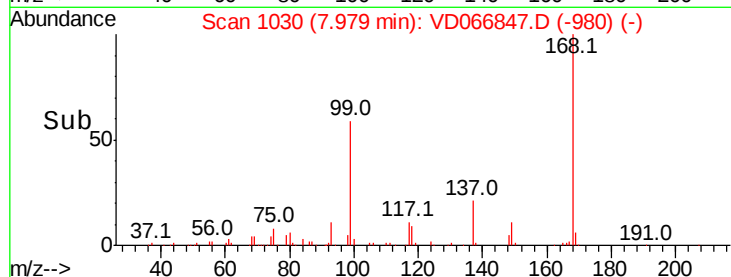
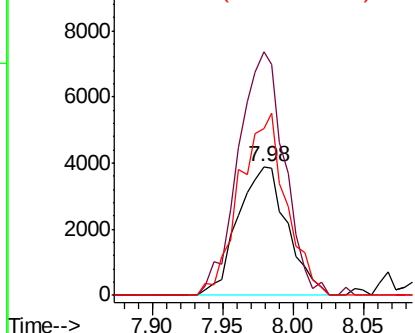
#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066847.D
Acq: 24 Sep 2020 13:25

Instrument :
MSVOA_D
ClientSampled :
CS-22

Tot Ion: 56 Resp: 9546
Ion Ratio Lower Upper
56 100
69 189.6 27.0 40.4#
84 129.8 70.2 105.4#

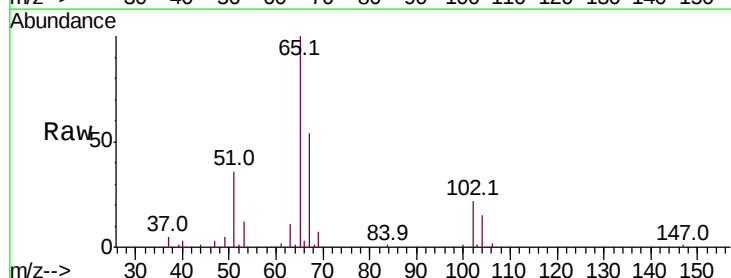


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

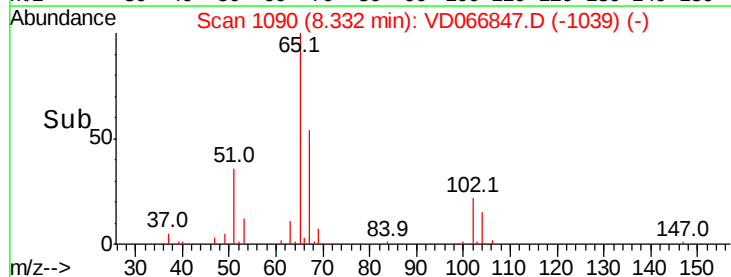
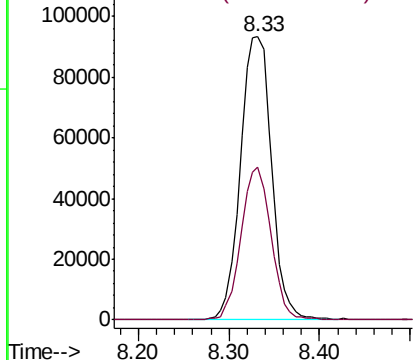


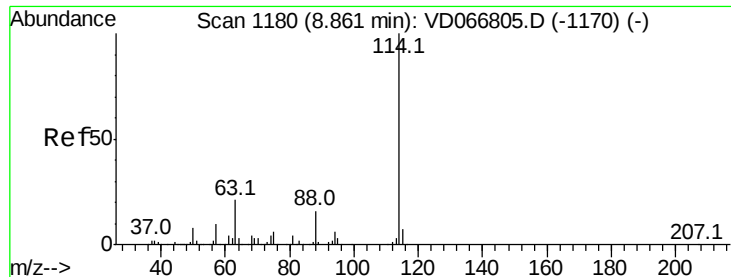
#33
1,2-Dichloroethane-d4
Concen: 56.120 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066847.D
Acq: 24 Sep 2020 13:25

Tgt Ion: 65 Resp: 222085
Ion Ratio Lower Upper
65 100
67 52.2 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: VD066847.D

Acq: 24 Sep 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

CS-22

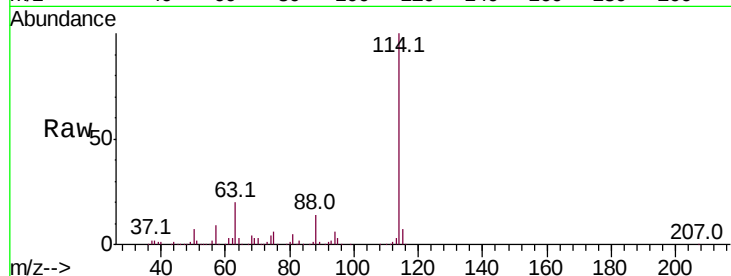
Tot Ion:114 Resp: 718219

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

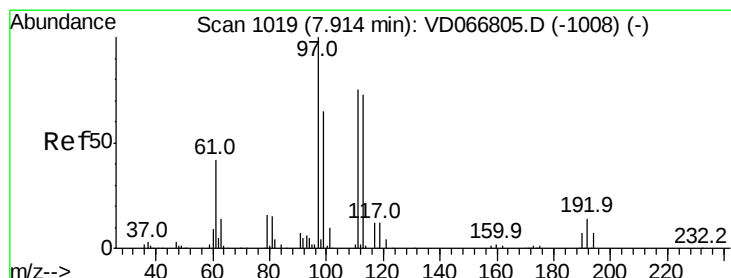
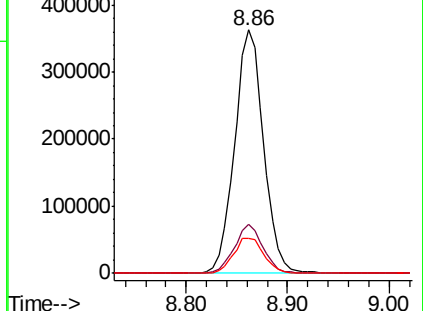
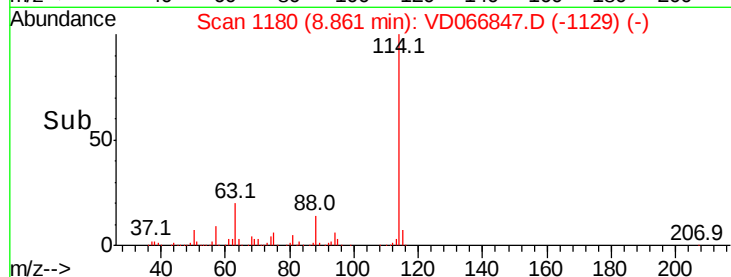
88 14.3 0.0 32.6



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: 50.668 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

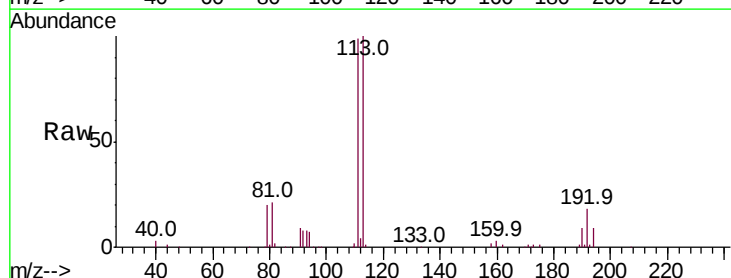
Tgt Ion:113 Resp: 231516

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

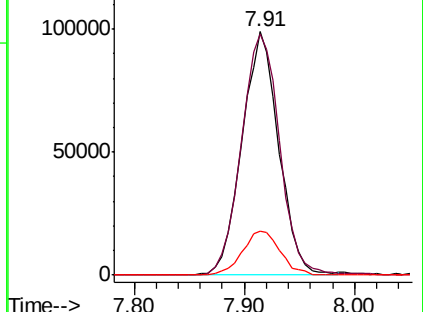
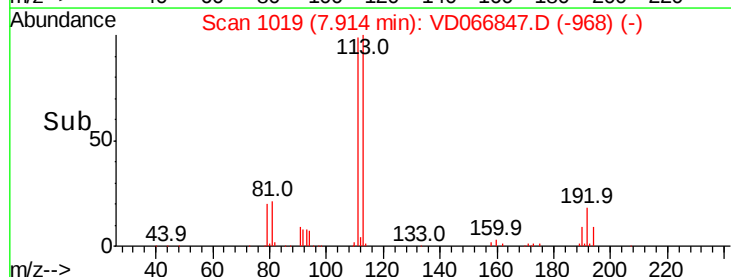
192 18.7 14.4 21.6

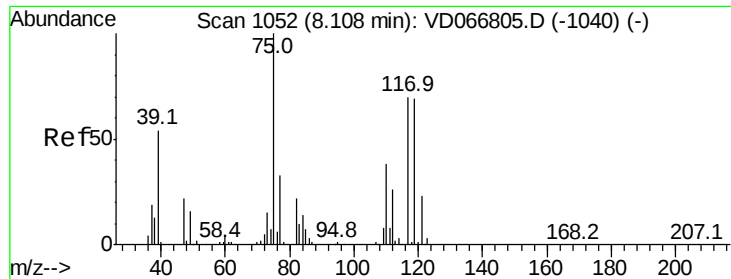


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.556 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

Instrument :

MSVOA_D

ClientSampled :

CS-22

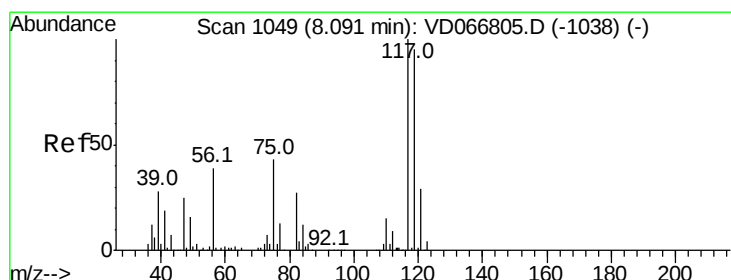
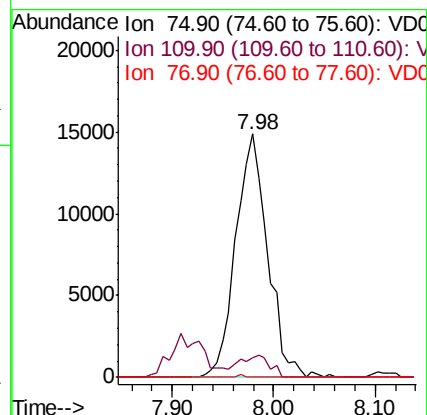
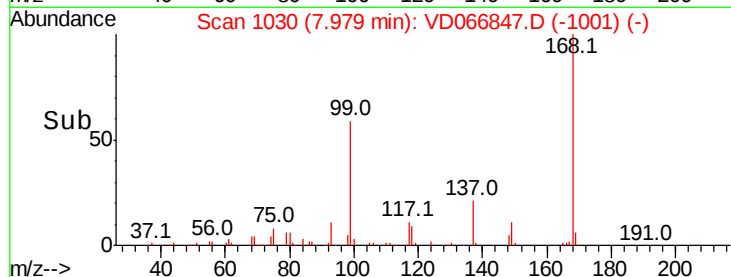
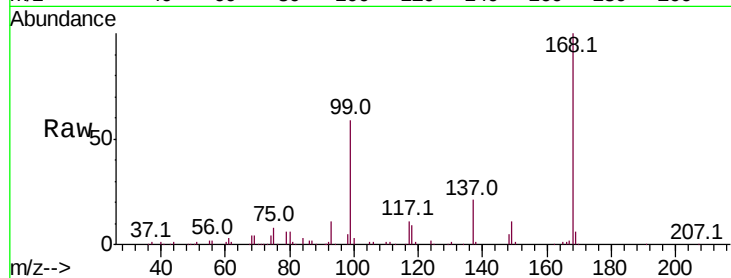
Tot Ion: 75 Resp: 32466

Ion Ratio Lower Upper

75 100

110 8.5 17.9 53.8#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.373 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

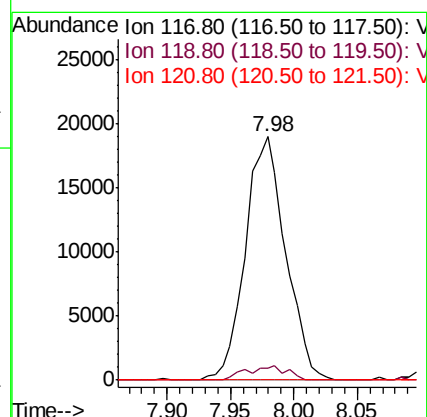
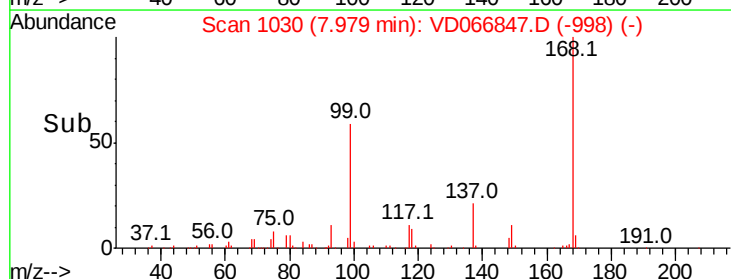
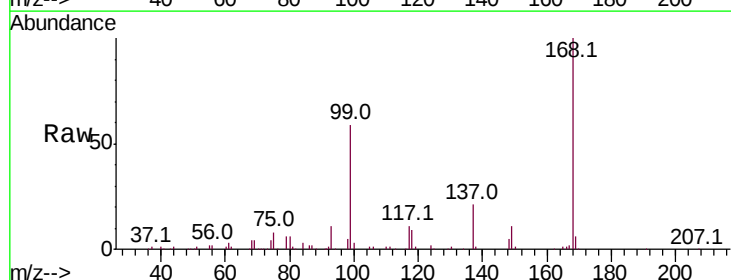
Tgt Ion: 117 Resp: 41859

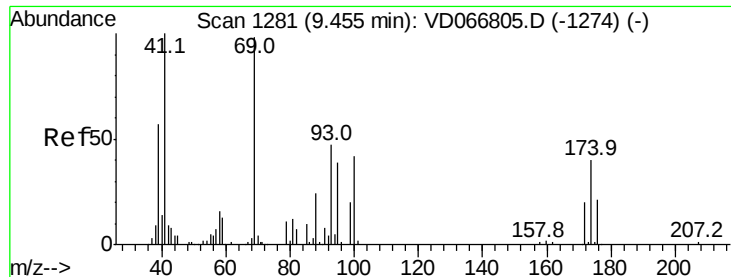
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

121 0.0 23.4 35.0#

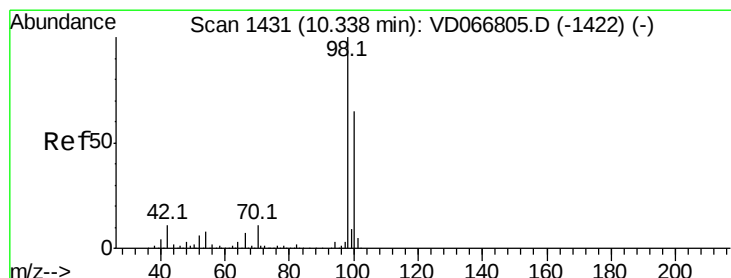
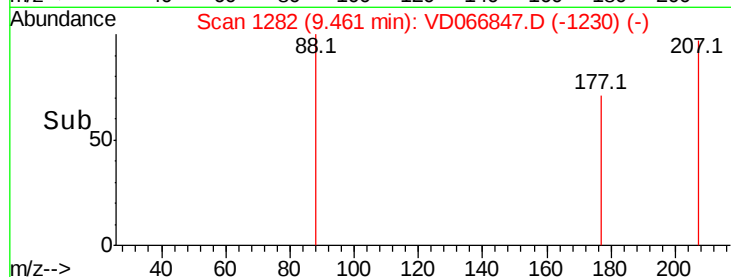
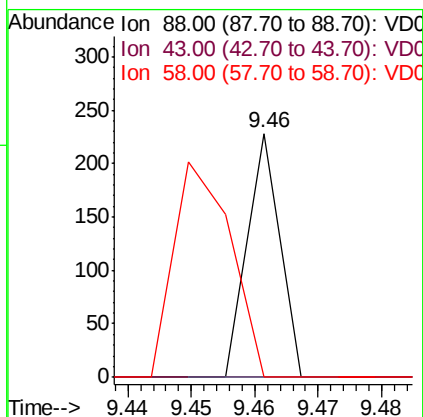
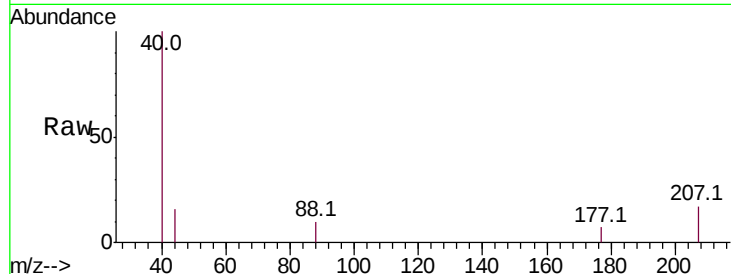




#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD066847.D
 Acq: 24 Sep 2020 13:25

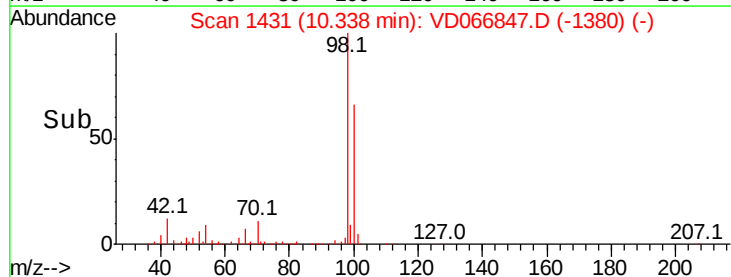
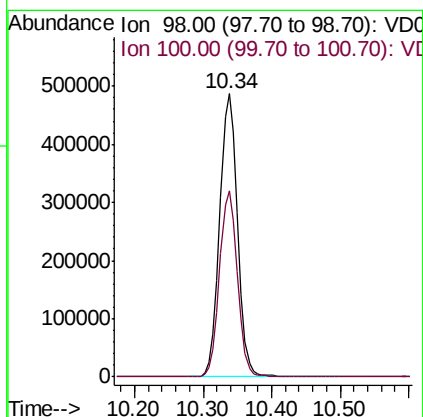
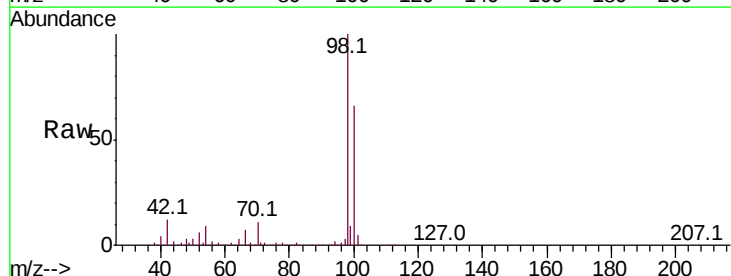
Instrument :
 MSVOA_D
 ClientSampleId :
 CS-22

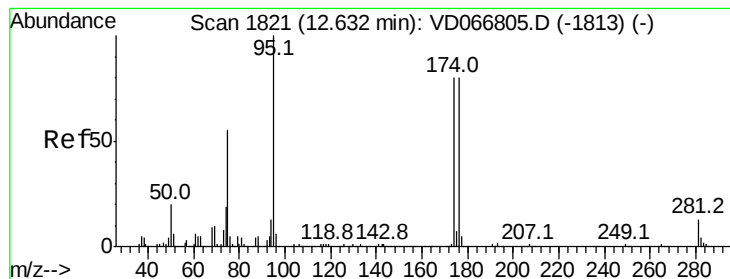
Tot Ion: 88 Resp: 80
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.7 41.5#
 58 156.3 55.5 83.3#



#50
 Toluene-d8
 Concen: 56.272 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066847.D
 Acq: 24 Sep 2020 13:25

Tgt Ion: 98 Resp: 876064
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 58.739 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

CS-22

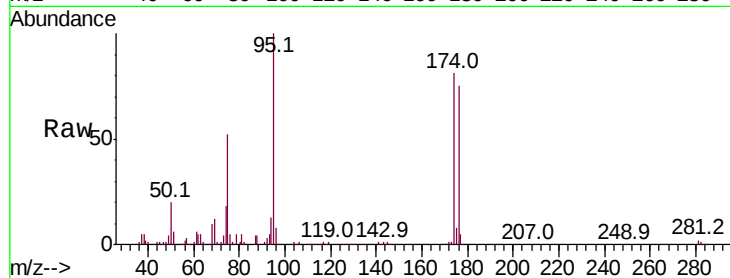
Tot Ion: 95 Resp: 313056

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.8

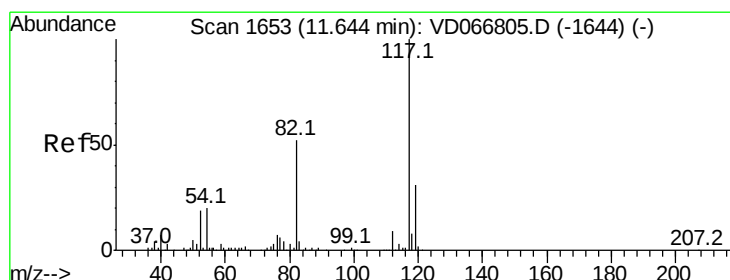
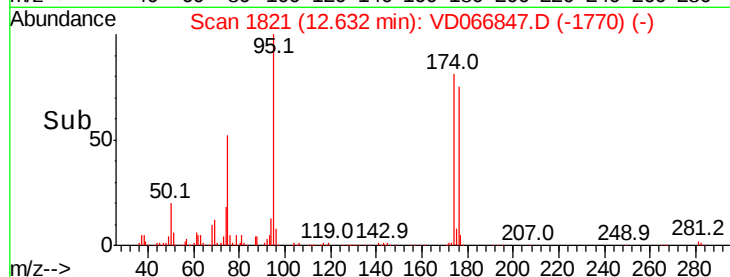
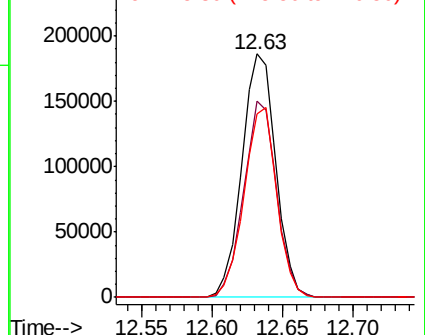
176 75.7 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

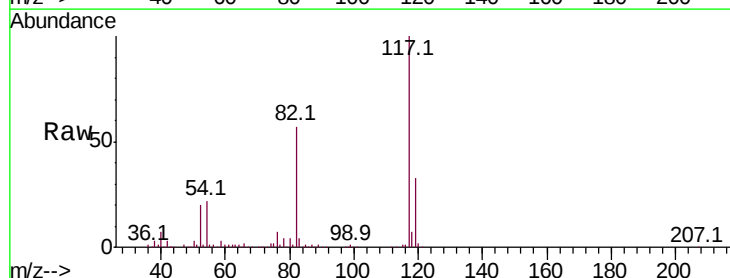
Tgt Ion: 117 Resp: 722136

Ion Ratio Lower Upper

117 100

82 56.6 41.8 62.6

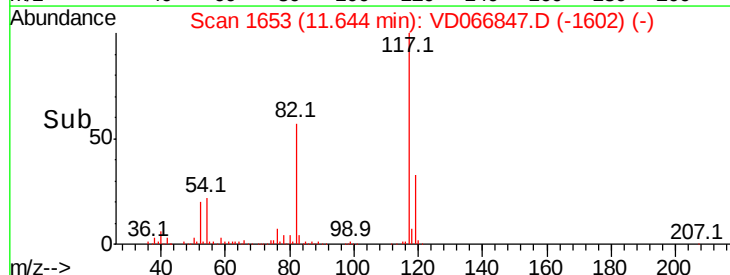
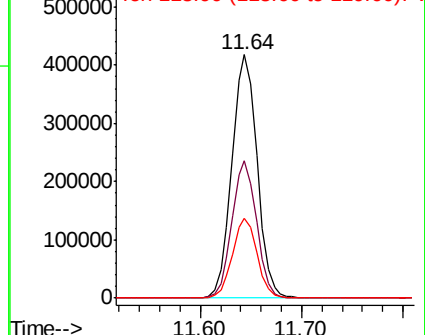
119 32.9 24.6 37.0

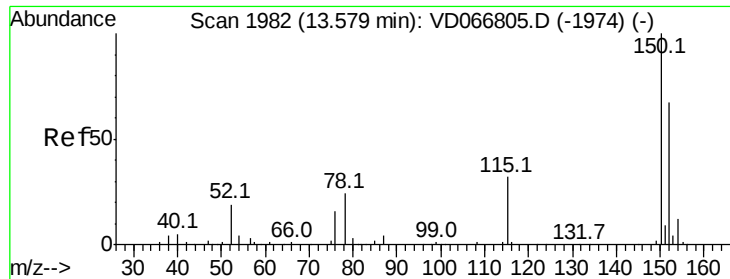


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

CS-22

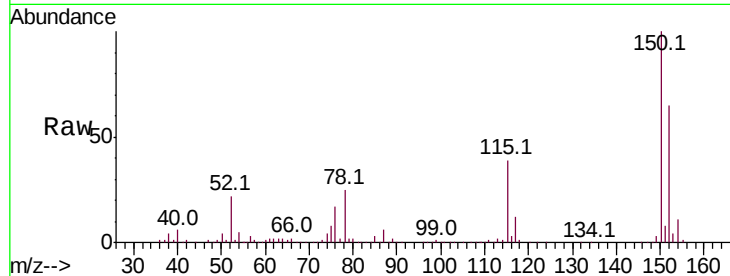
Tot Ion:152 Resp: 332364

Ion Ratio Lower Upper

152 100

115 60.3 30.3 91.0

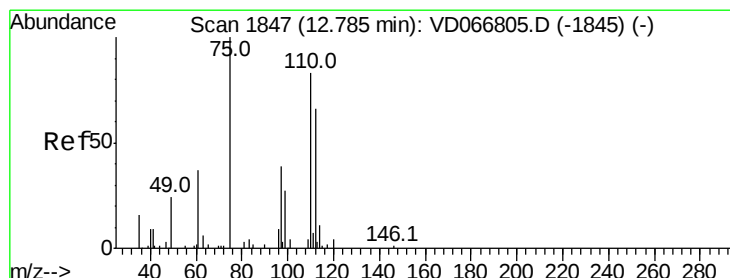
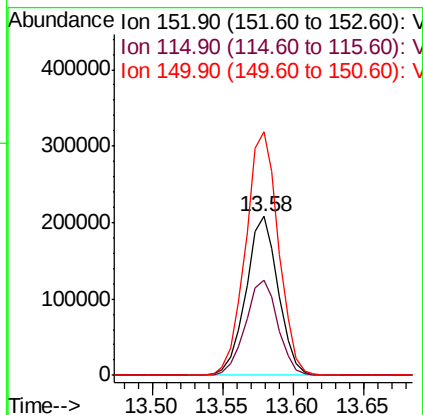
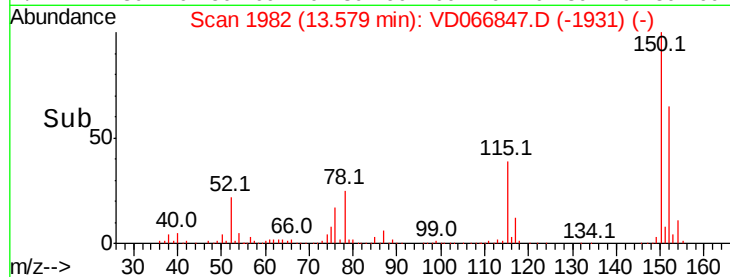
150 157.0 0.0 346.2



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: 58.793 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066847.D

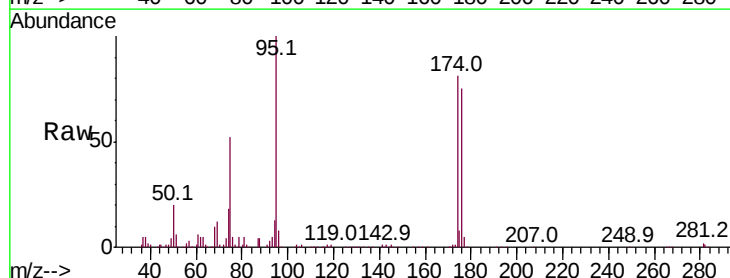
Acq: 24 Sep 2020 13:25

Tgt Ion: 75 Resp: 161937

Ion Ratio Lower Upper

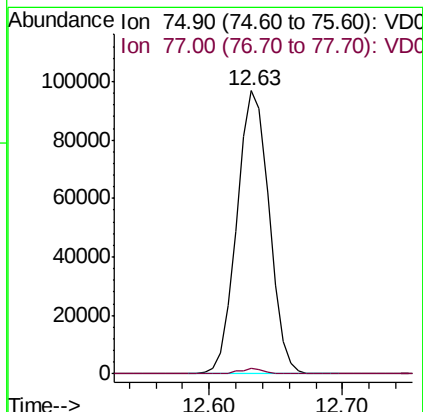
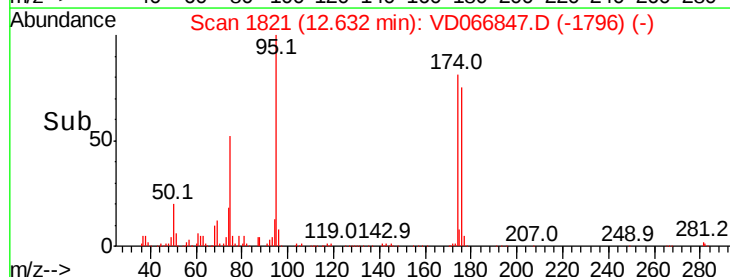
75 100

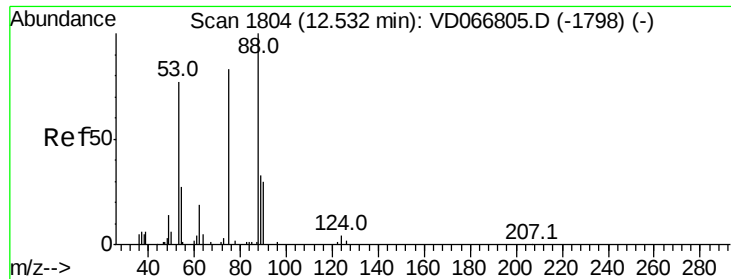
77 1.5 0.0 0.0#



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: 147.094 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066847.D

Acq: 24 Sep 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

CS-22

Tot Ion: 75 Resp: 161937

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#

