

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066855.D
 Acq On : 24 Sep 2020 17:06
 Operator : VA/SY
 Sample : L4125-12
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-30

Quant Time: Sep 25 01:10:29 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	375024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	683289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	675848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309476	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	204724	55.77	ug/l	0.00
Spiked Amount			Recovery	=	111.54%	
35) Dibromofluoromethane	7.91	113	218155	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.34	98	816329	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.63	95	285745	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	

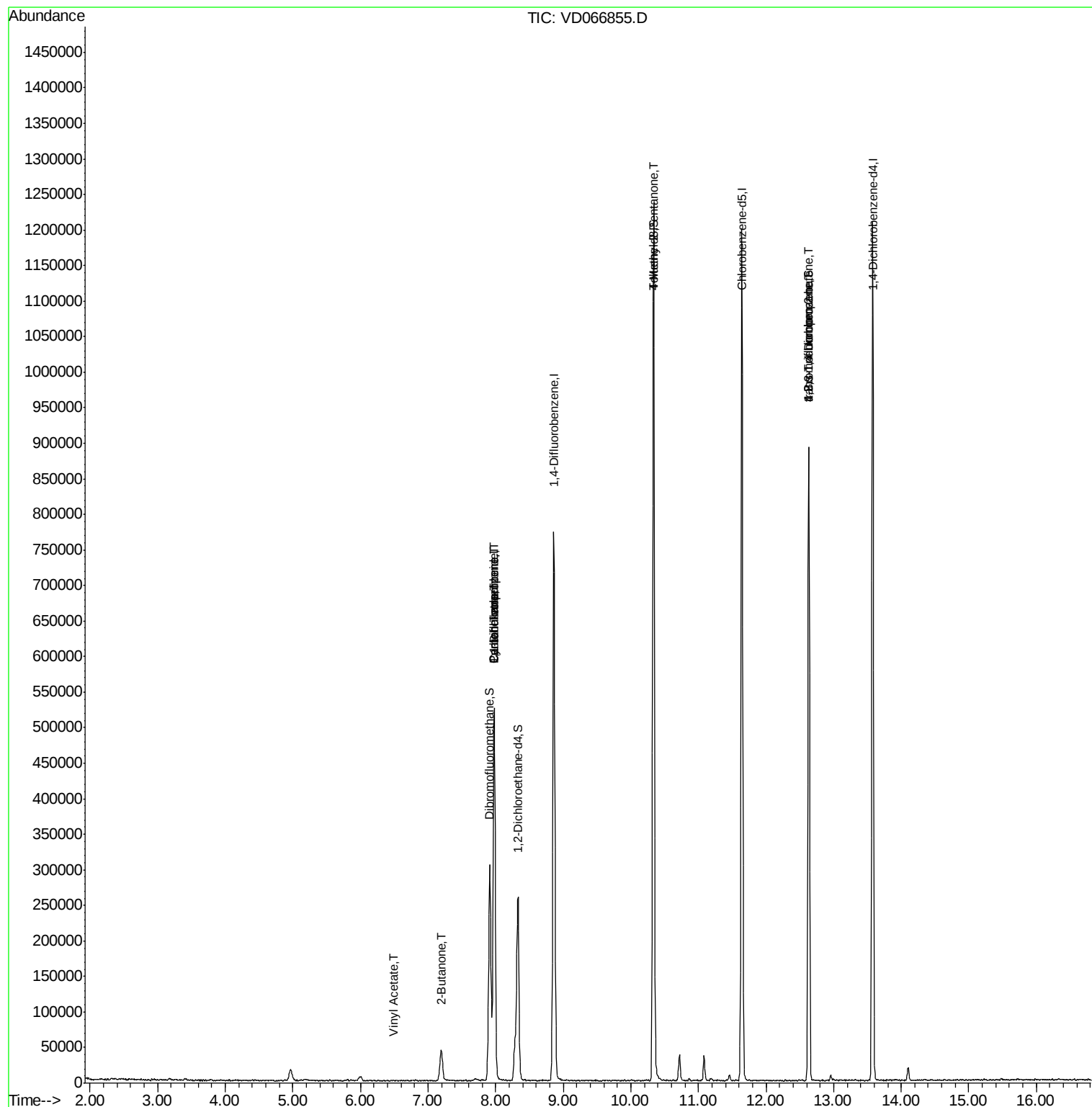
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	268	Below Cal	#	46
11) Tert butyl alcohol	5.21	59	528	Below Cal	#	72
18) Methyl Acetate	4.93	43	128	Below Cal	#	50
20) Methylene Chloride	4.97	84	12634	Below Cal	#	80
23) Vinyl Acetate	6.49	43	61	2.682	ug/l #	71
25) 2-Butanone	7.20	43	2277	2.433	ug/l #	46
31) Cyclohexane	7.97	56	8365	1.253	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	30996	4.573	ug/l #	50
38) Carbon Tetrachloride	7.98	117	37568	5.069	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	3736	1.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	148828	58.030	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	148828	145.185	ug/l #	10

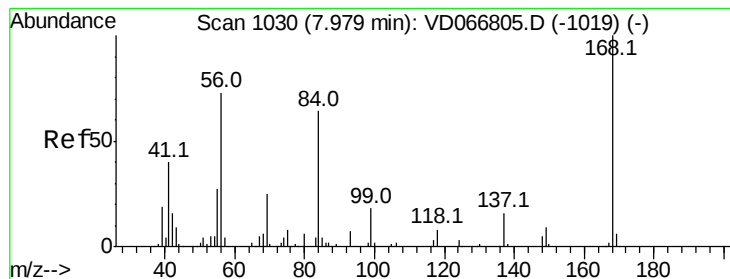
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
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QLast Update : Wed Sep 23 01:34:05 2020
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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: VD066855.D

Acq: 24 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

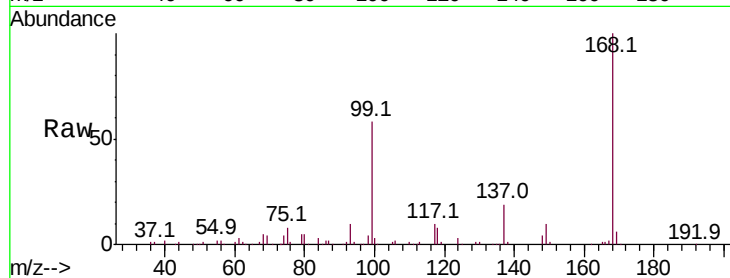
CS-30

Tot Ion:168 Resp: 375024

Ion Ratio Lower Upper

168 100

99 57.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

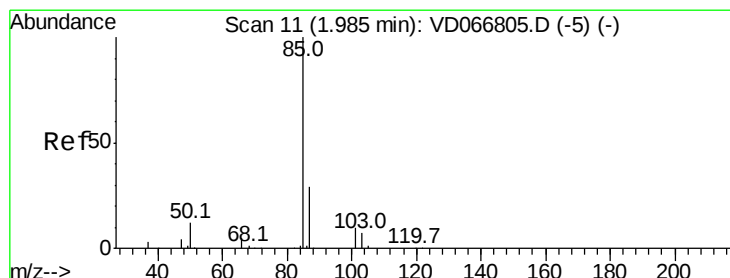
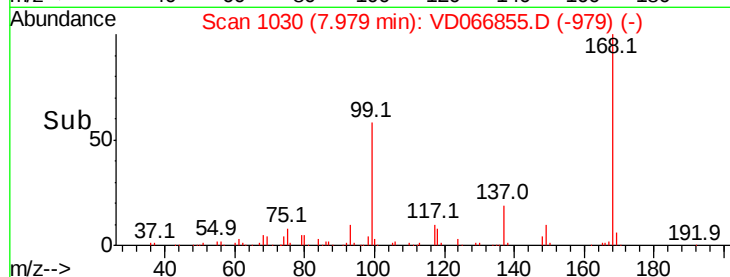
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066855.D

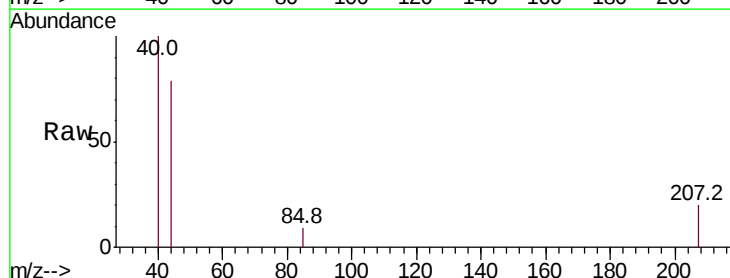
Acq: 24 Sep 2020 17:06

Tgt Ion: 85 Resp: 268

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

300

250

200

150

100

50

0

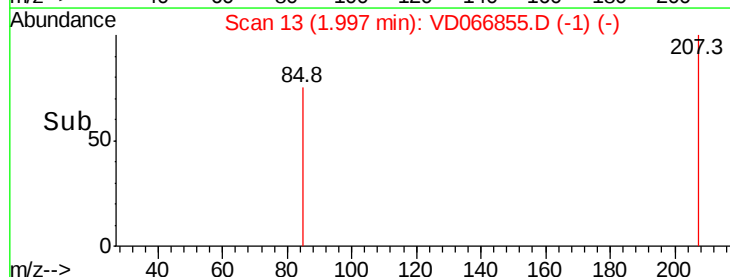
1.96

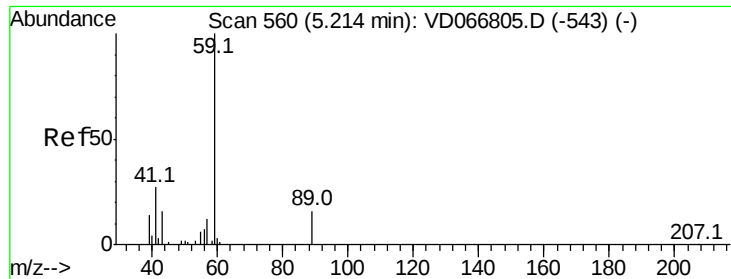
1.98

2.00

2.02

Time-->



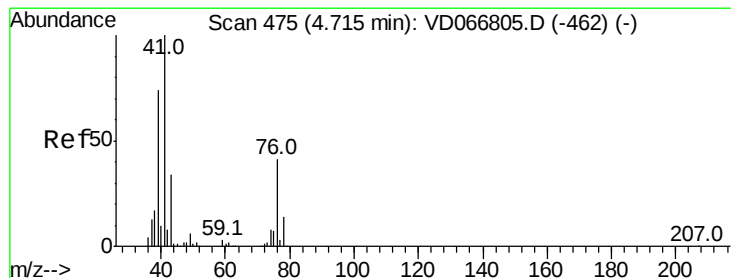
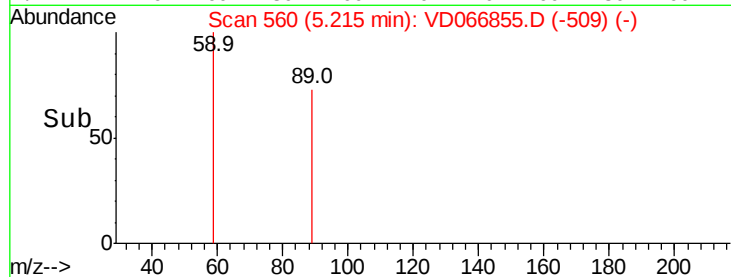
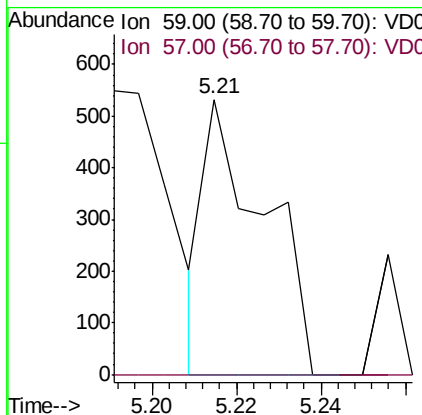
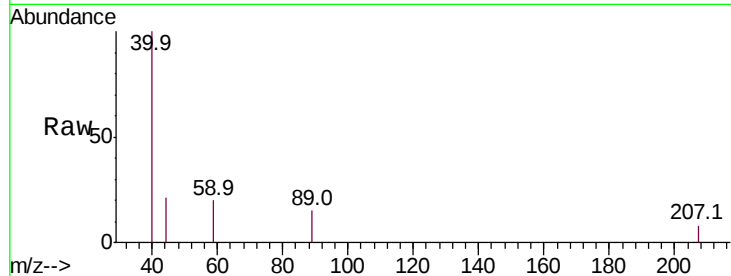


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066855.D
 Acq: 24 Sep 2020 17:06

Instrument :
 MSVOA_D
 ClientSampled :
 CS-30

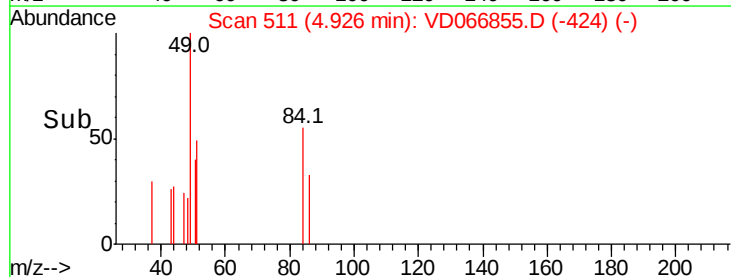
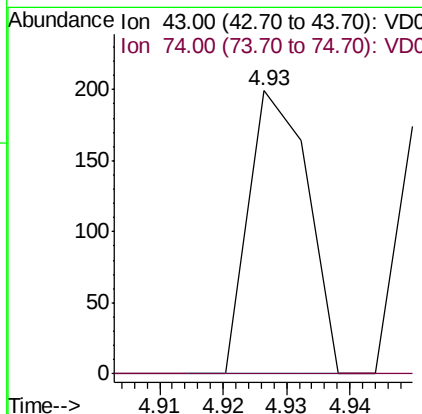
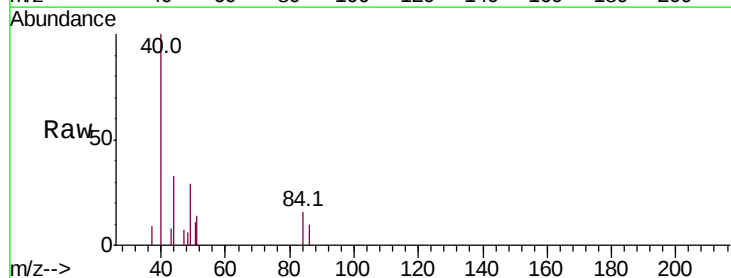
Tot Ion: 59 Resp: 528
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

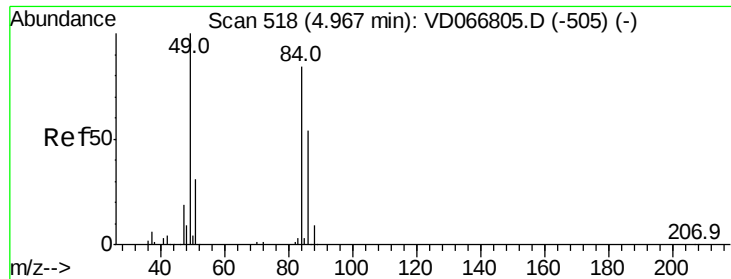


#18

Methyl Acetate
 Concen: Below Cal
 RT: 4.93 min Scan# 511
 Delta R.T. 0.21 min
 Lab File: VD066855.D
 Acq: 24 Sep 2020 17:06

Tgt Ion: 43 Resp: 128
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.3 30.5#

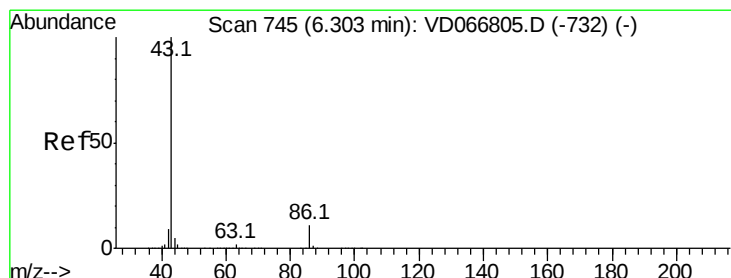
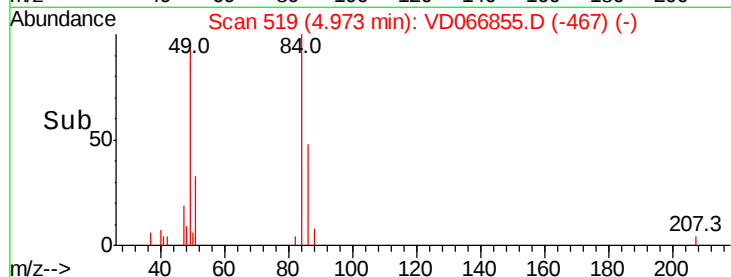
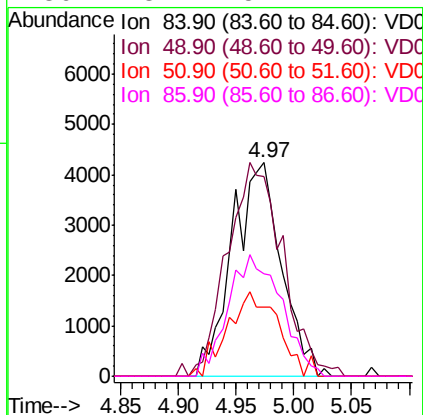
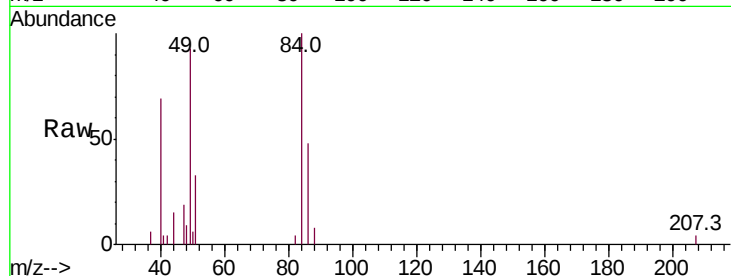




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066855.D
Acq: 24 Sep 2020 17:06

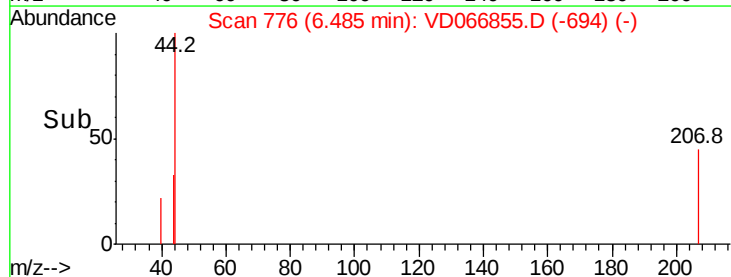
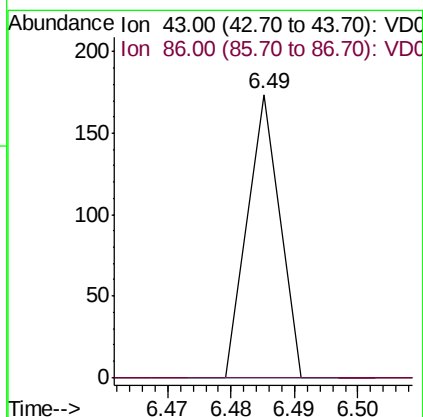
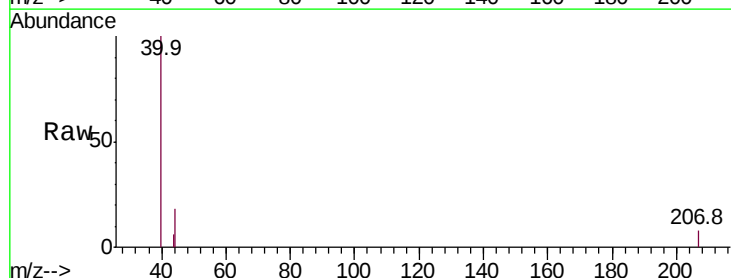
Instrument :
MSVOA_D
ClientSampled :
CS-30

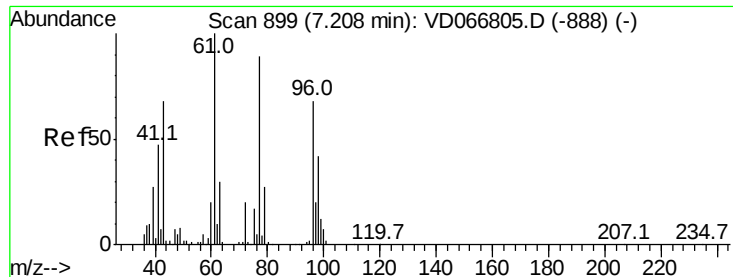
Tot Ion: 84 Resp: 12634
Ion Ratio Lower Upper
84 100
49 93.3 95.4 143.2#
51 32.6 29.7 44.5
86 48.2 51.4 77.2#



#23
Vinyl Acetate
Concen: 2.682 ug/l
RT: 6.49 min Scan# 776
Delta R.T. 0.18 min
Lab File: VD066855.D
Acq: 24 Sep 2020 17:06

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#

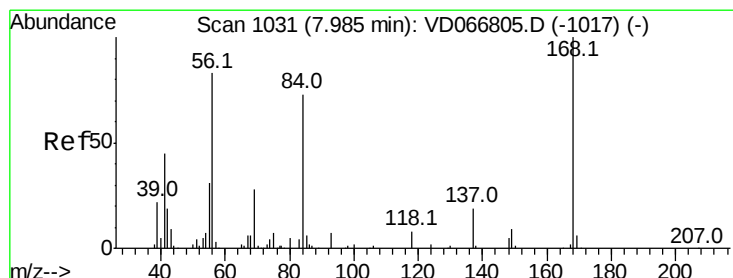
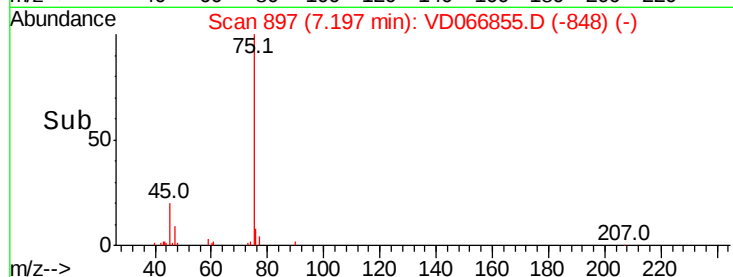
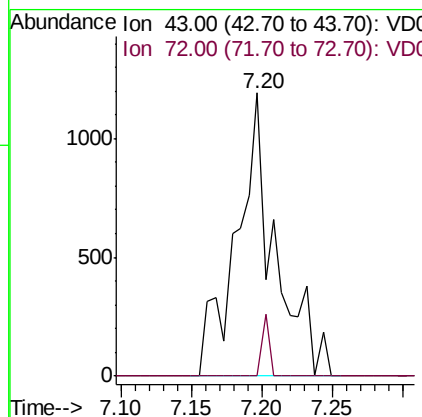
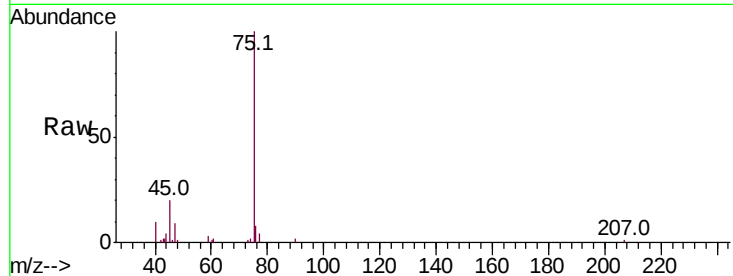




#25
2-Butanone
Concen: 2.433 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066855.D
Acq: 24 Sep 2020 17:06

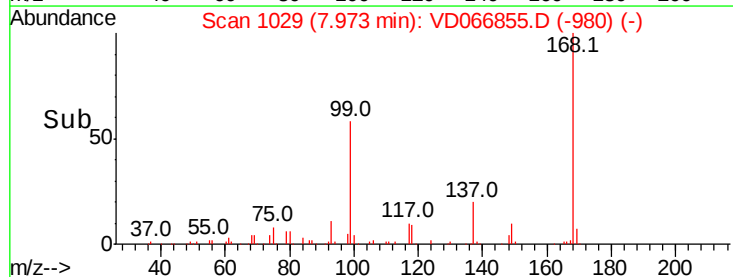
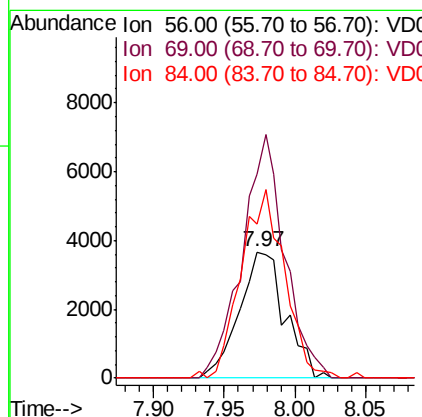
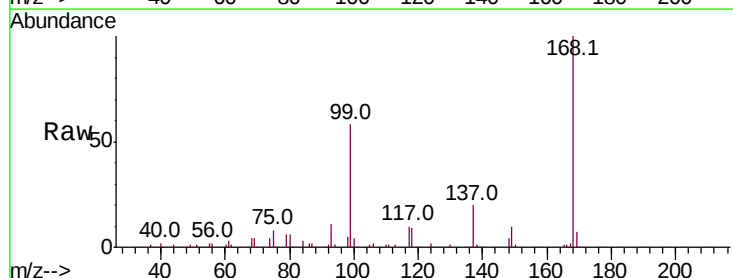
Instrument :
MSVOA_D
ClientSampled :
CS-30

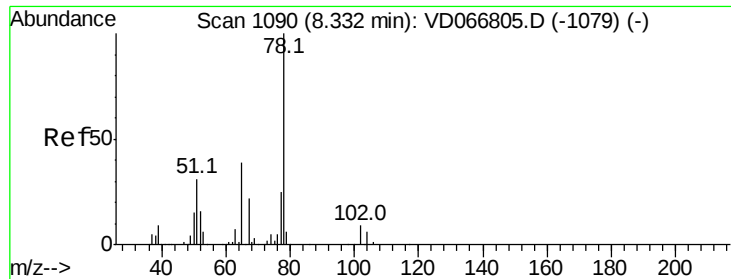
Tot Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066855.D
Acq: 24 Sep 2020 17:06

Tgt Ion: 56 Resp: 8365
Ion Ratio Lower Upper
56 100
69 161.3 27.0 40.4#
84 121.9 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 55.774 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066855.D

Acq: 24 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampled :

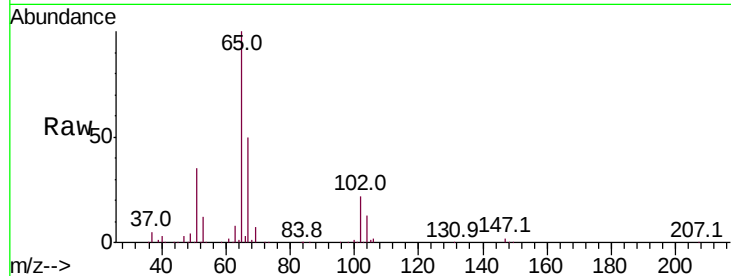
CS-30

Tot Ion: 65 Resp: 204724

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

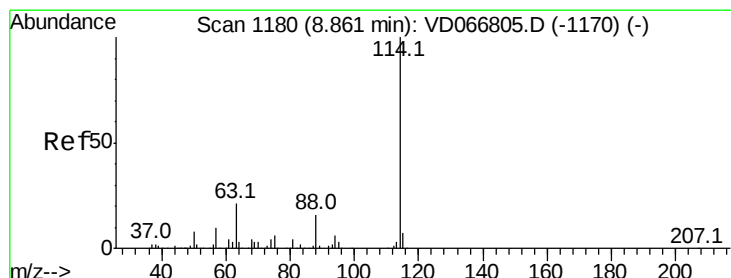
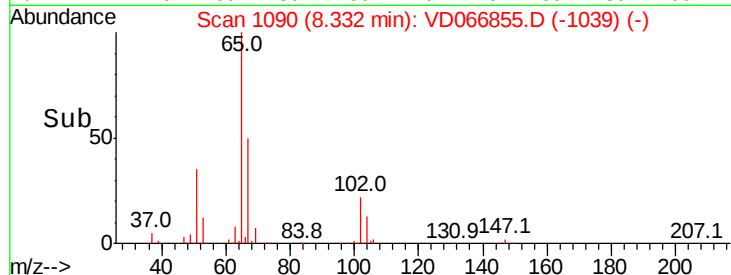
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066855.D

Acq: 24 Sep 2020 17:06

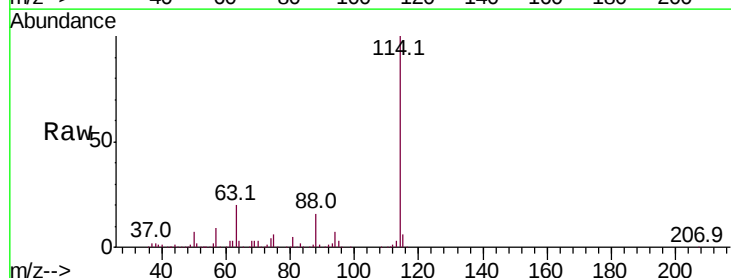
Tgt Ion: 114 Resp: 683289

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 16.3 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

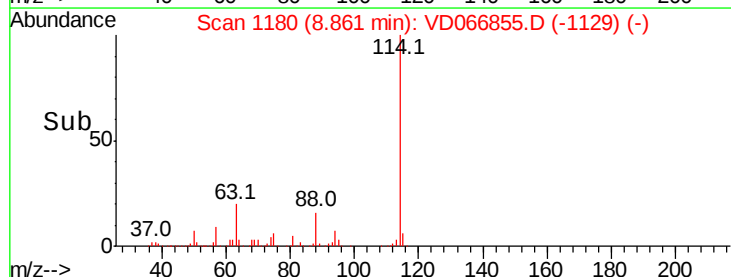
300000

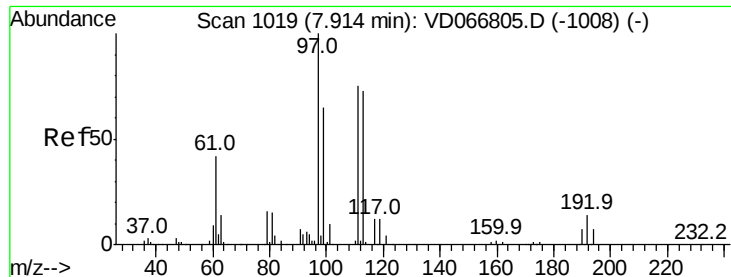
200000

100000

0

Time--> 8.80 8.90

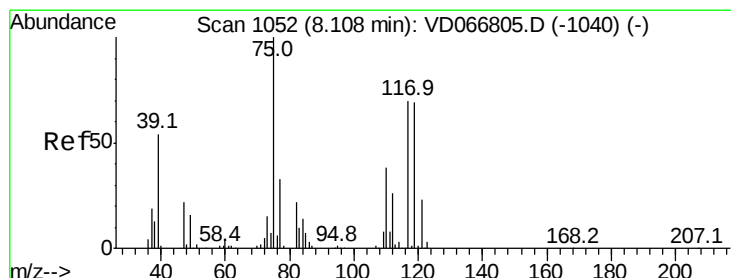
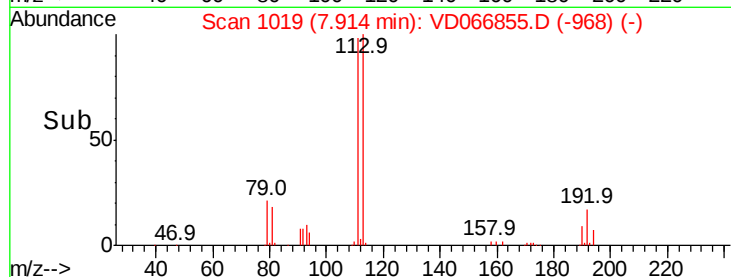
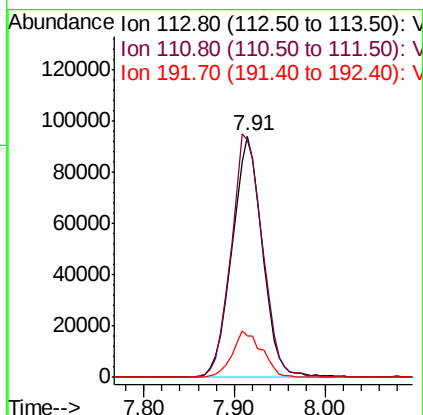
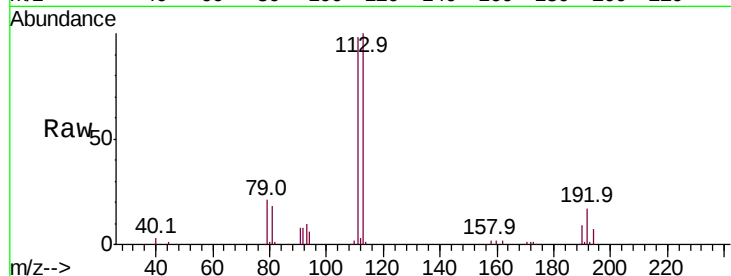




#35
 Dibromofluoromethane
 Concen: 50.184 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066855.D
 Acq: 24 Sep 2020 17:06

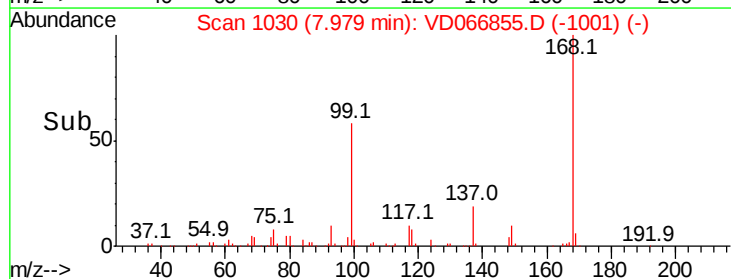
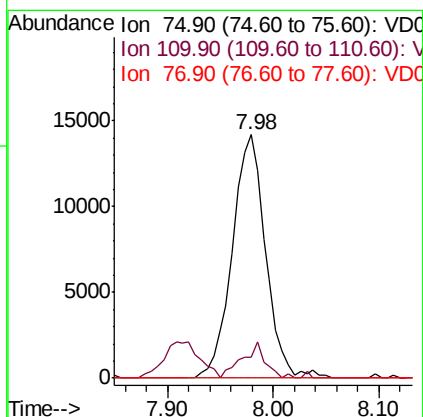
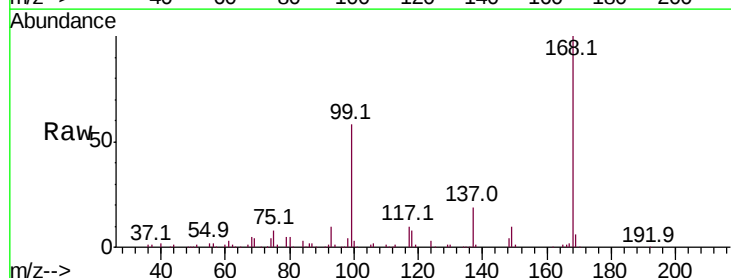
Instrument :
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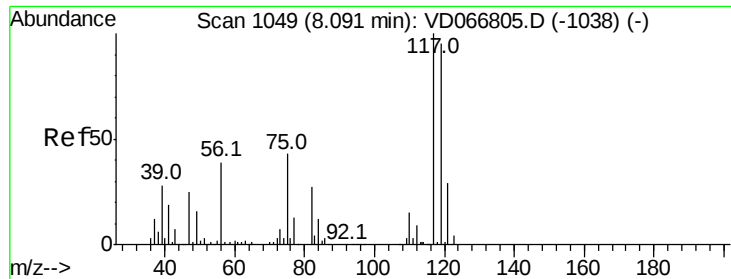
Tot Ion:113 Resp: 218155
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.8 122.8
 192 19.0 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.573 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066855.D
 Acq: 24 Sep 2020 17:06

Tgt Ion: 75 Resp: 30996
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.9 53.8#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.069 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066855.D

Acq: 24 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

CS-30

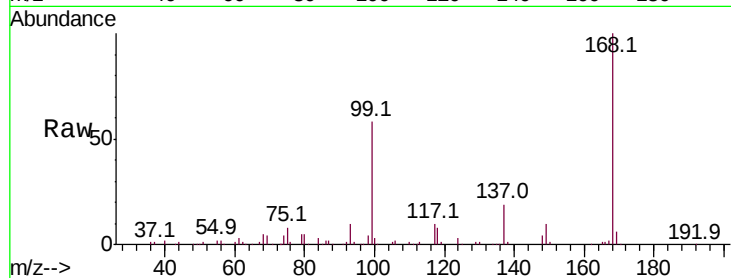
Tot Ion:117 Resp: 37568

Ion Ratio Lower Upper

117 100

119 7.9 75.8 113.8#

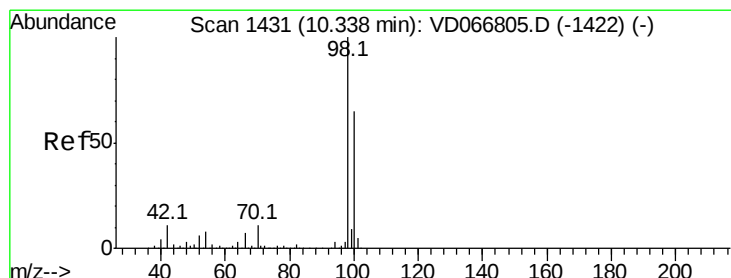
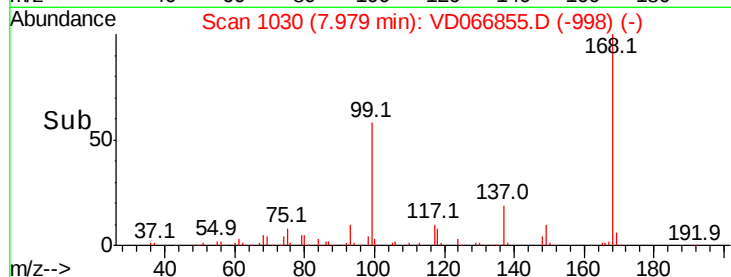
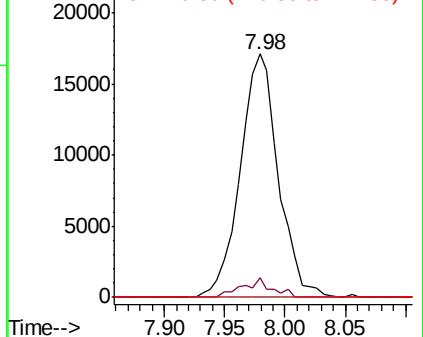
121 0.0 23.4 35.0#



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: 55.115 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066855.D

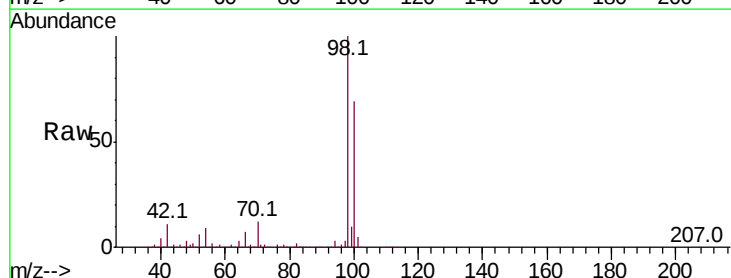
Acq: 24 Sep 2020 17:06

Tgt Ion: 98 Resp: 816329

Ion Ratio Lower Upper

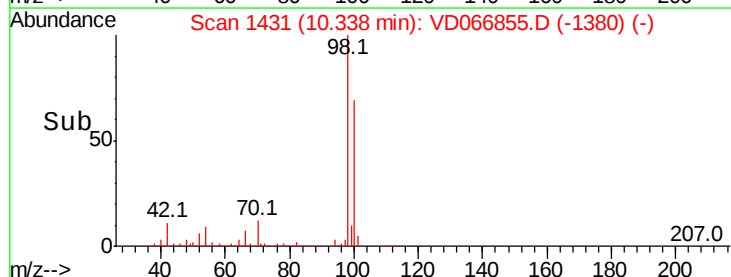
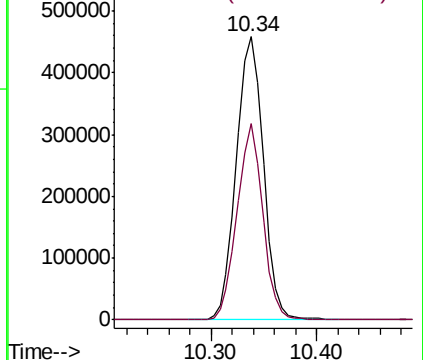
98 100

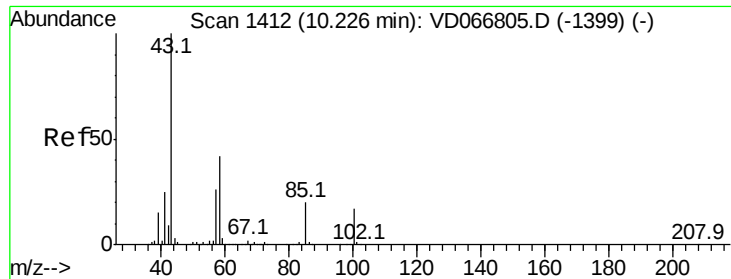
100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.561 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066855.D

Acq: 24 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

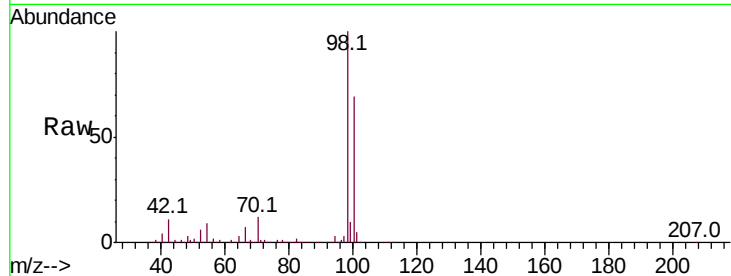
CS-30

Tot Ion: 43 Resp: 3736

Ion Ratio Lower Upper

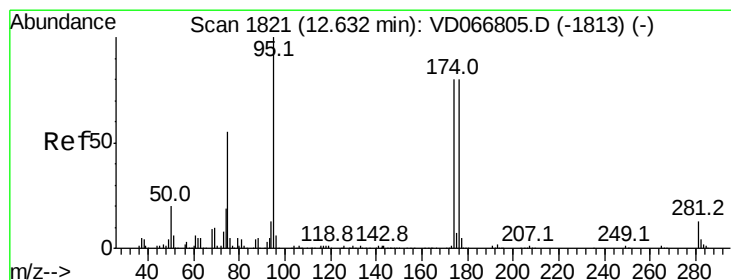
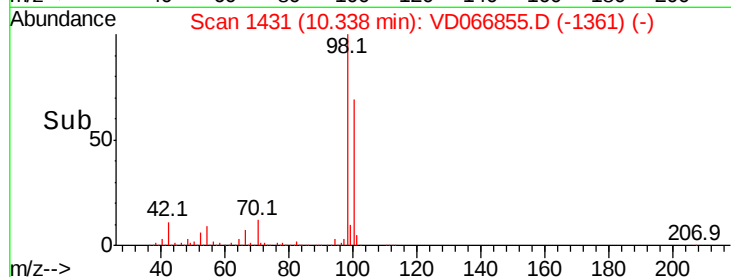
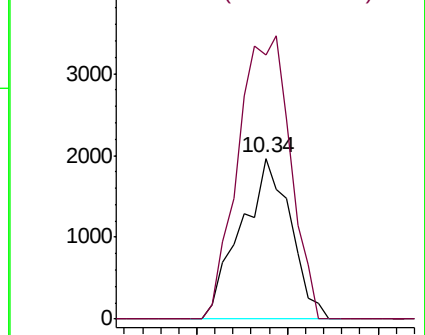
43 100

58 185.2 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 56.355 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066855.D

Acq: 24 Sep 2020 17:06

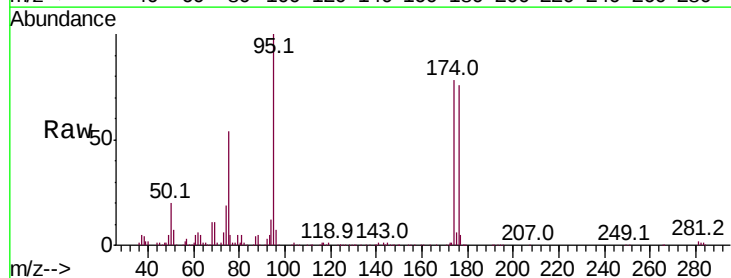
Tgt Ion: 95 Resp: 285745

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.8

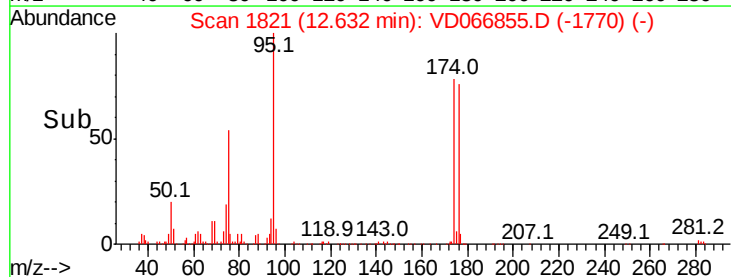
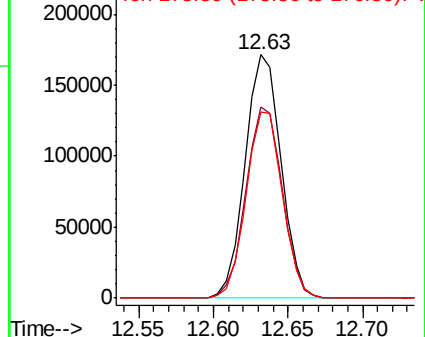
176 77.2 0.0 154.4

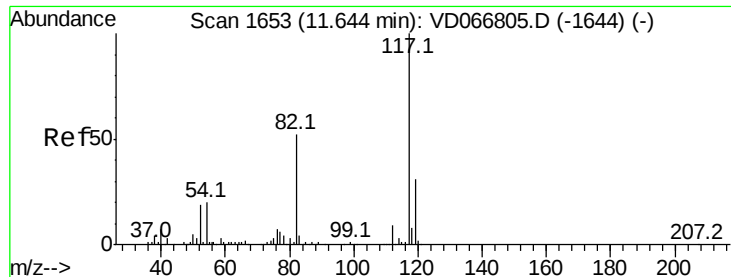


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

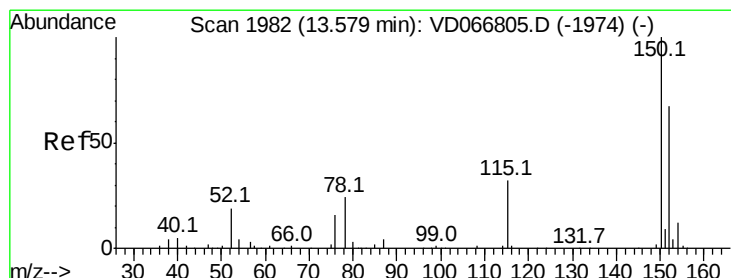
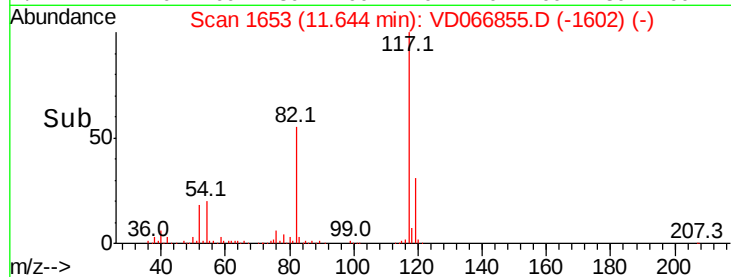
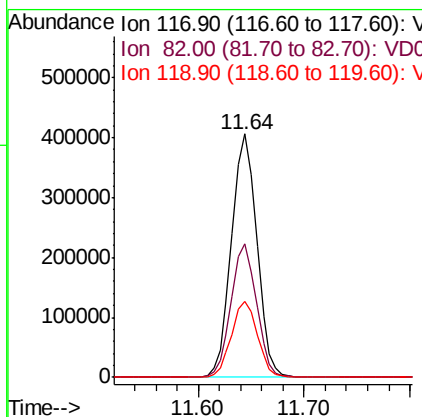
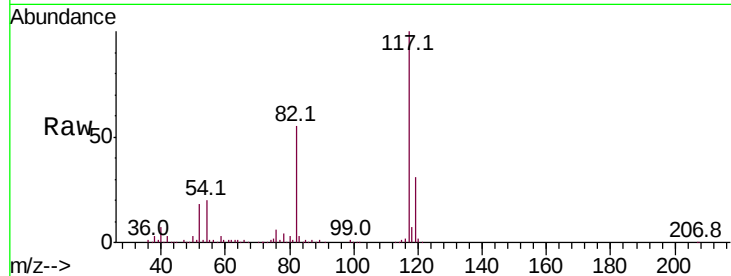




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066855.D
Acq: 24 Sep 2020 17:06

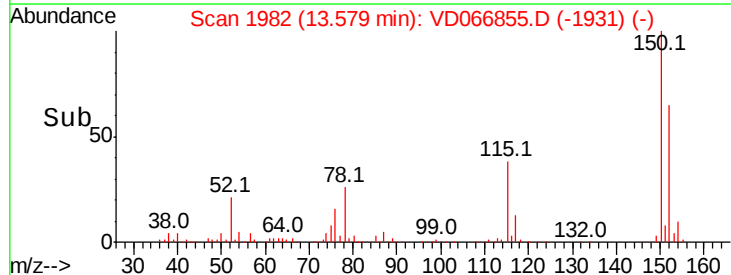
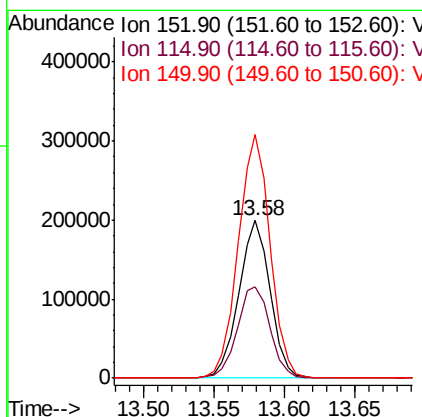
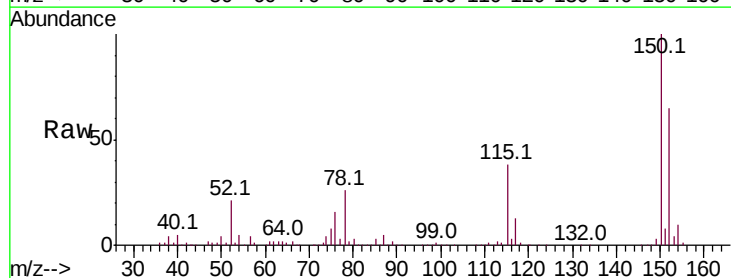
Instrument :
MSVOA_D
ClientSampleId :
CS-30

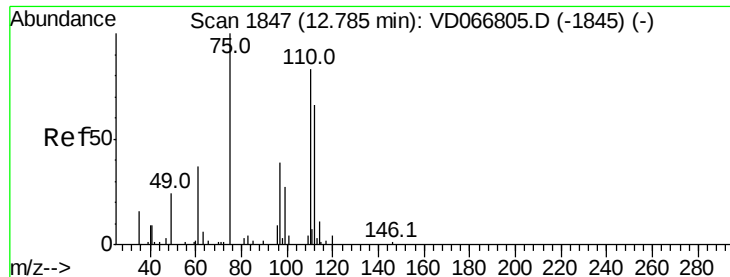
Tot Ion:117 Resp: 675848
Ion Ratio Lower Upper
117 100
82 54.8 41.8 62.6
119 31.0 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066855.D
Acq: 24 Sep 2020 17:06

Tgt Ion:152 Resp: 309476
Ion Ratio Lower Upper
152 100
115 60.5 30.3 91.0
150 156.4 0.0 346.2

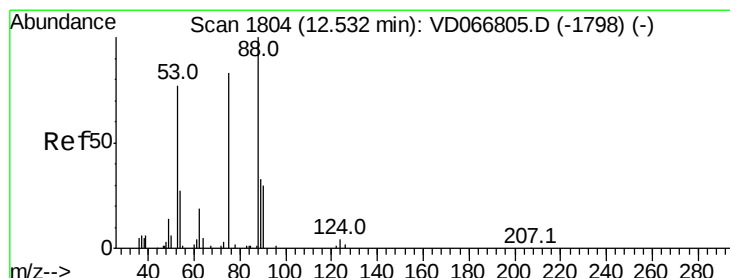
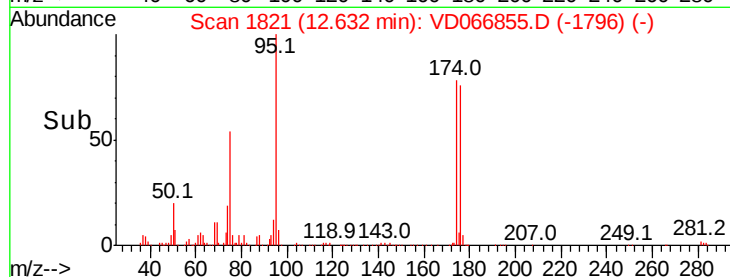
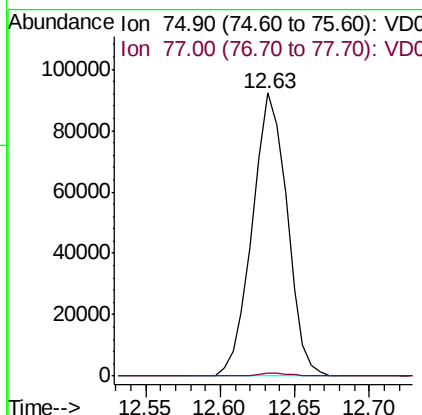
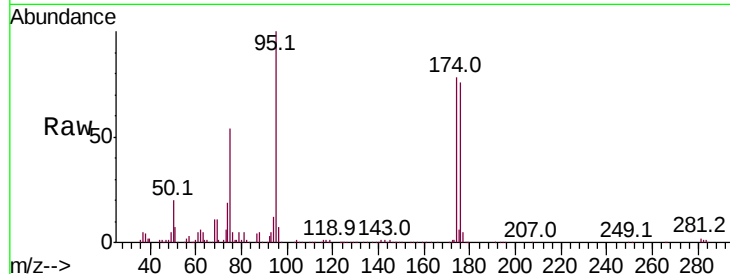




#76
 1,2,3-Trichloropropane
 Concen: 58.030 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066855.D
 Acq: 24 Sep 2020 17:06

Instrument :
 MSVOA_D
 ClientSampled :
 CS-30

Tot Ion: 75 Resp: 148828
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.185 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066855.D
 Acq: 24 Sep 2020 17:06

Tgt Ion: 75 Resp: 148828
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.4 38.1 57.1#

