

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066852.D
 Acq On : 24 Sep 2020 15:43
 Operator : VA/SY
 Sample : L4125-09
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-27

Quant Time: Sep 25 01:10:08 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	7.97	168	390999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	697956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	711709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	320986	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	217485	56.83	ug/l	0.00
Spiked Amount						
			Recovery	=	113.66%	
35) Dibromofluoromethane	7.91	113	226970	51.11	ug/l	0.00
Spiked Amount						
			Recovery	=	102.22%	
50) Toluene-d8	10.34	98	851669	56.29	ug/l	0.00
Spiked Amount						
			Recovery	=	112.58%	
62) 4-Bromofluorobenzene	12.63	95	299846	57.89	ug/l	0.00
Spiked Amount						
			Recovery	=	115.78%	

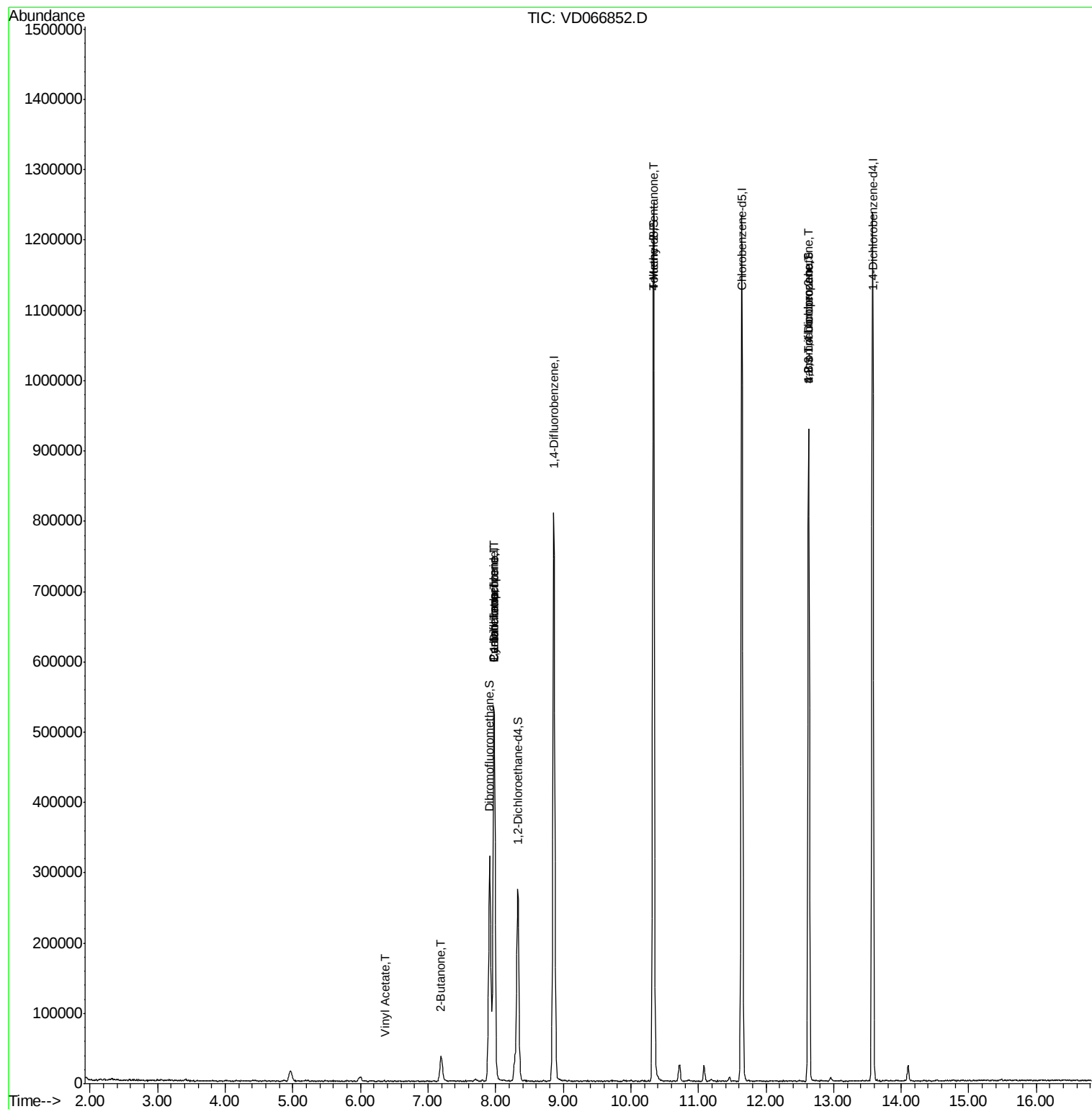
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	277	Below Cal	#	46
11) Tert butyl alcohol	5.17	59	1642	Below Cal	#	72
18) Methyl Acetate	4.94	43	92	Below Cal	#	50
20) Methylene Chloride	4.97	84	11265	Below Cal	#	83
23) Vinyl Acetate	6.37	43	163	2.698	ug/l #	71
25) 2-Butanone	7.20	43	2064	2.116	ug/l #	46
31) Cyclohexane	7.98	56	8855	1.273	ug/l #	2
36) 1,1-Dichloropropene	7.97	75	31914	4.609	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42814	5.656	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	3332	1.363	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	156653	58.890	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	156653	147.339	ug/l #	10

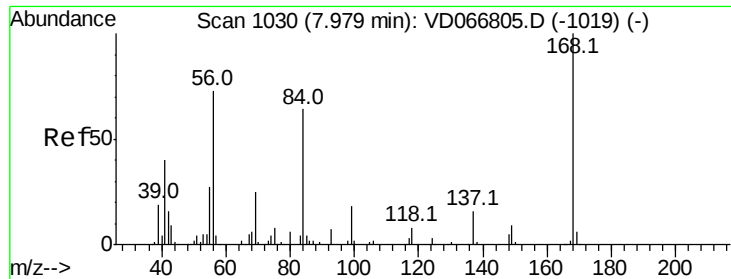
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
Data File : VD066852.D
Acq On : 24 Sep 2020 15:43
Operator : VA/SY
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Instrument :
MSVOA_D
ClientSampled :
CS-27

Quant Time: Sep 25 01:10:08 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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

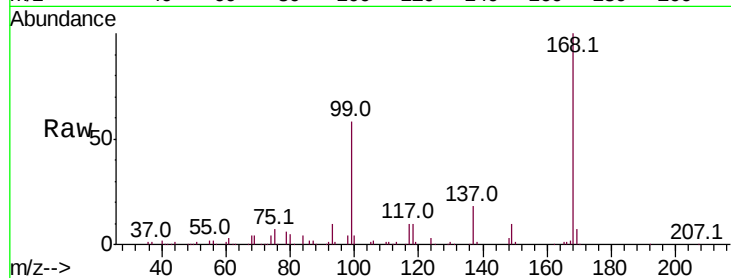
CS-27

Tot Ion:168 Resp: 390999

Ion Ratio Lower Upper

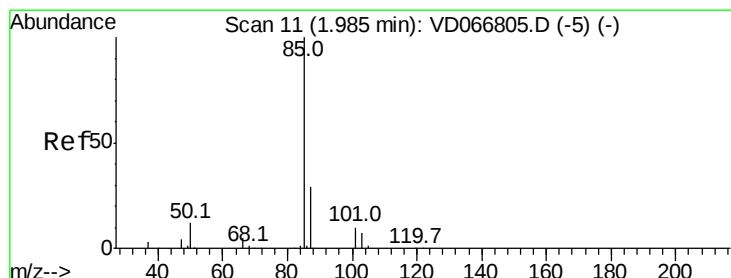
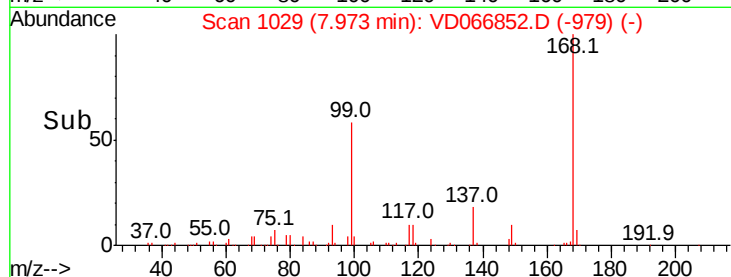
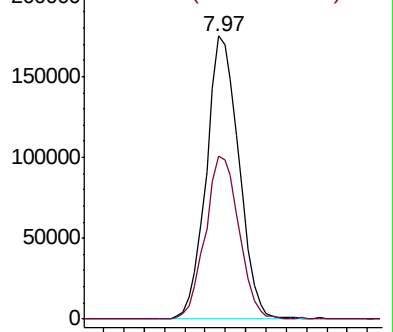
168 100

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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066852.D

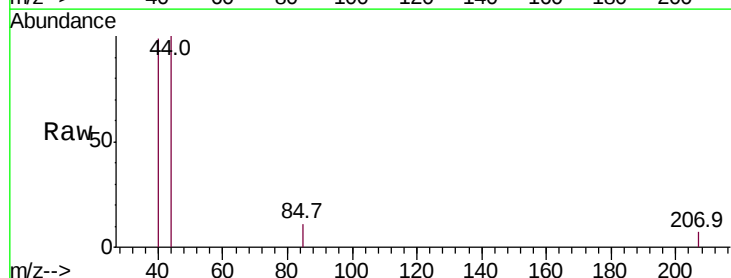
Acq: 24 Sep 2020 15:43

Tgt Ion: 85 Resp: 277

Ion Ratio Lower Upper

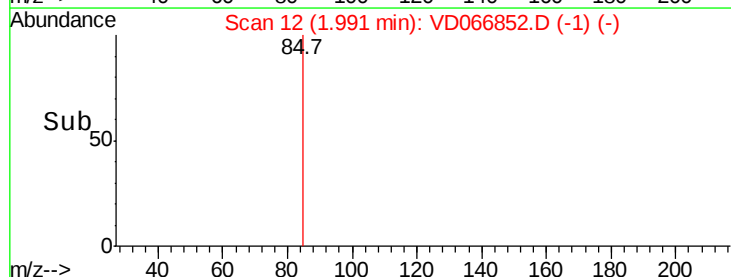
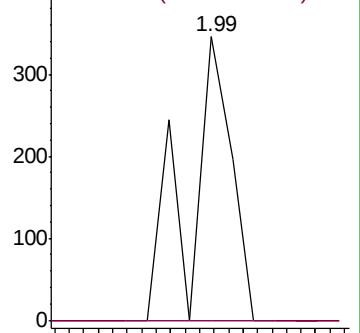
85 100

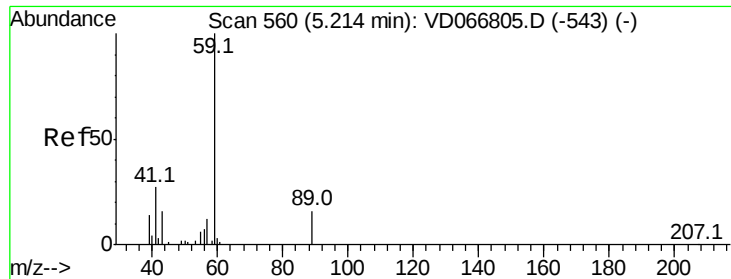
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



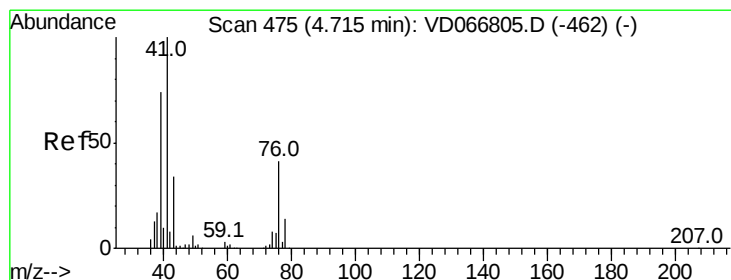
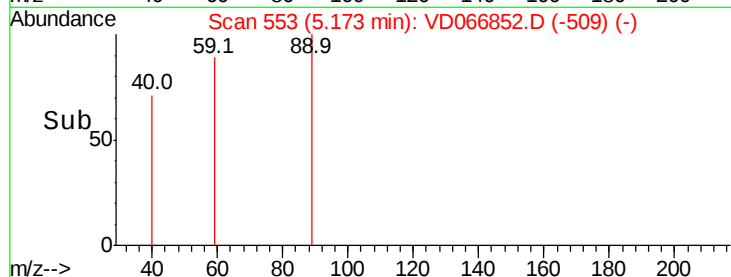
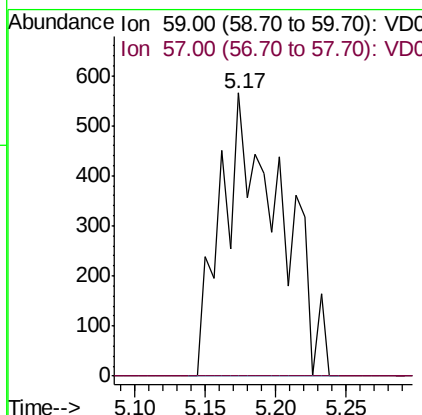
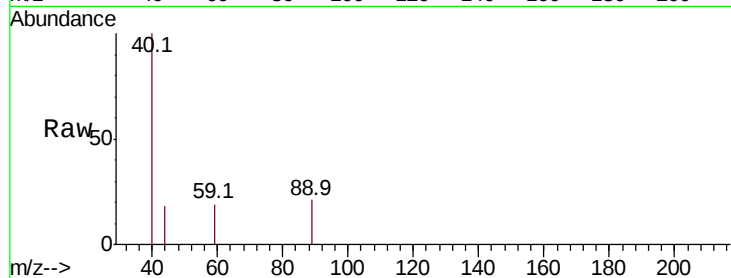


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 553
Delta R.T. -0.04 min
Lab File: VD066852.D
Acq: 24 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampled :
CS-27

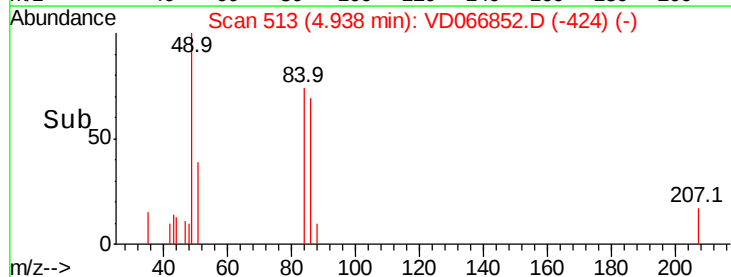
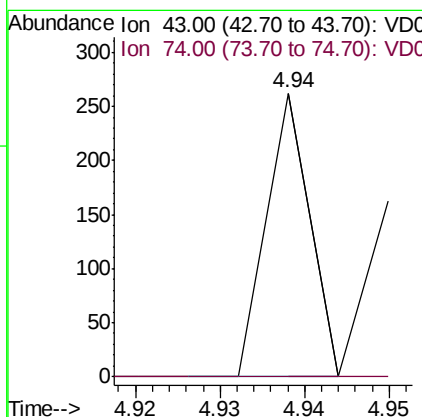
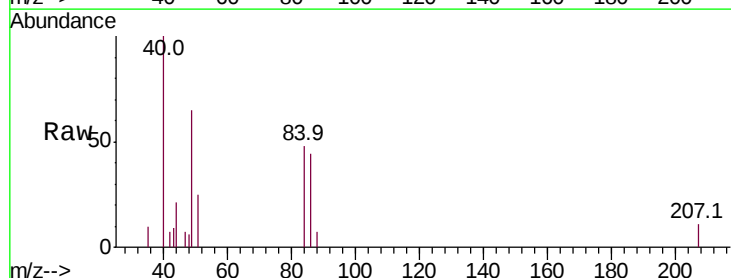
Tot Ion: 59 Resp: 1642
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

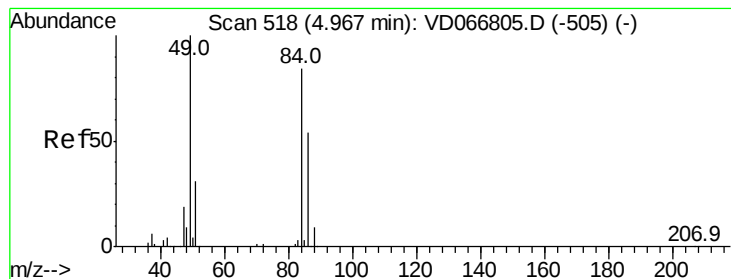


#18

Methyl Acetate
Concen: Below Cal
RT: 4.94 min Scan# 513
Delta R.T. 0.22 min
Lab File: VD066852.D
Acq: 24 Sep 2020 15:43

Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

CS-27

Tot Ion: 84 Resp: 11265

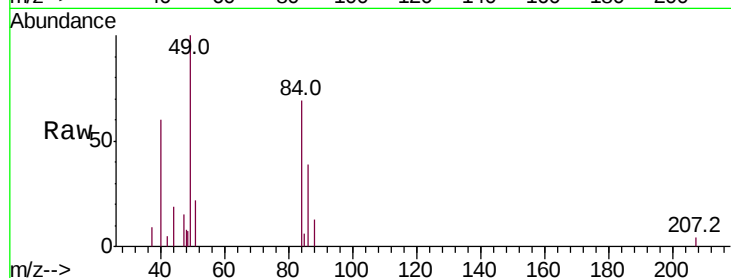
Ion Ratio Lower Upper

84 100

49 144.0 95.4 143.2#

51 32.0 29.7 44.5

86 55.9 51.4 77.2

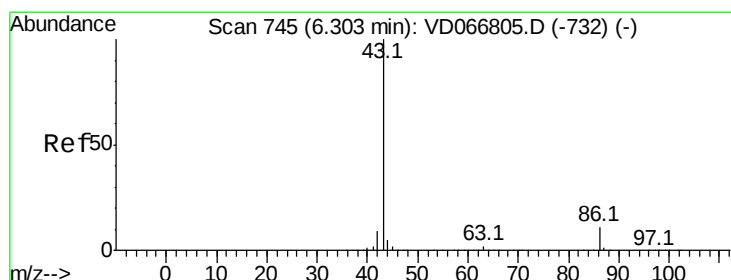
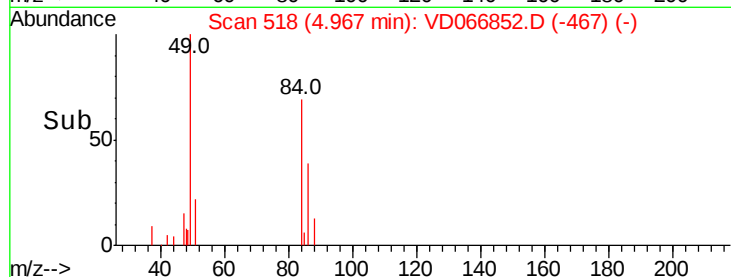
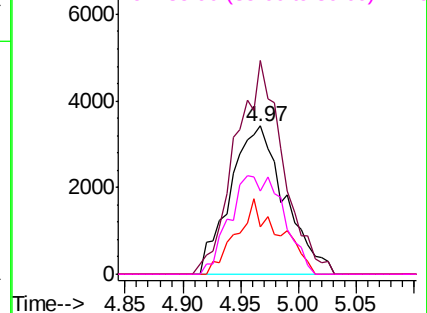


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#23

Vinyl Acetate

Concen: 2.698 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.07 min

Lab File: VD066852.D

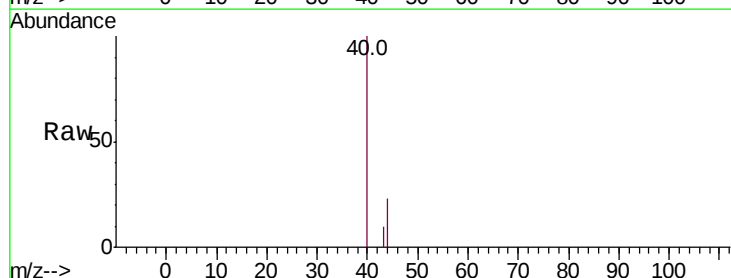
Acq: 24 Sep 2020 15:43

Tgt Ion: 43 Resp: 163

Ion Ratio Lower Upper

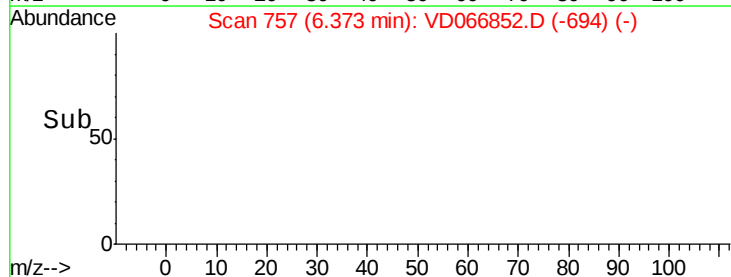
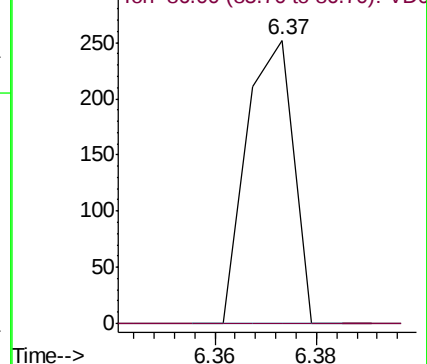
43 100

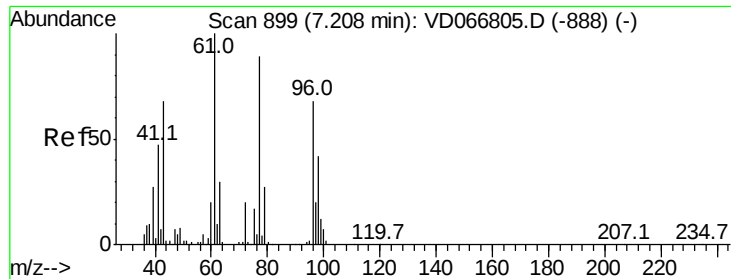
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 2.116 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampled :

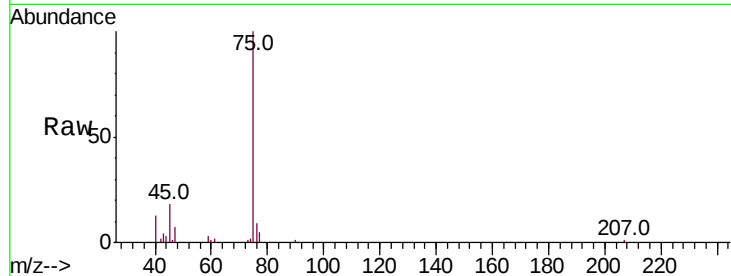
CS-27

Tot Ion: 43 Resp: 2064

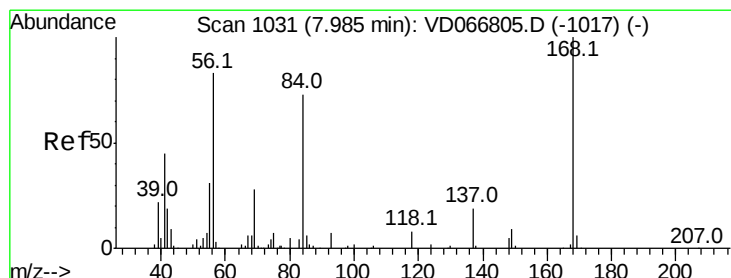
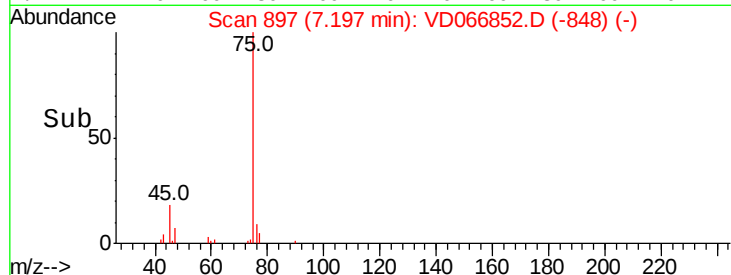
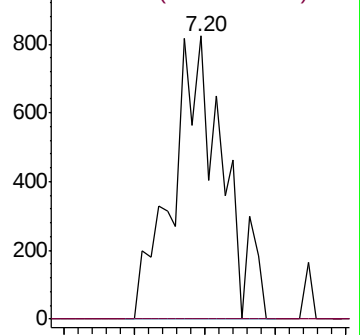
Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

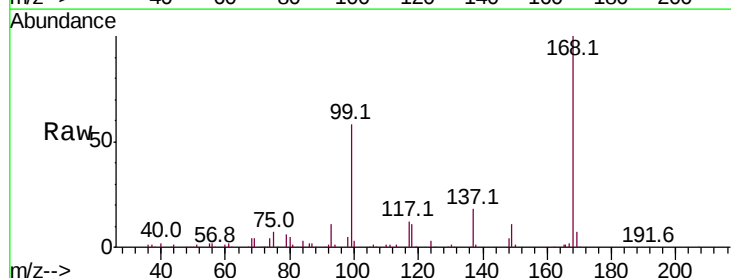
Tgt Ion: 56 Resp: 8855

Ion Ratio Lower Upper

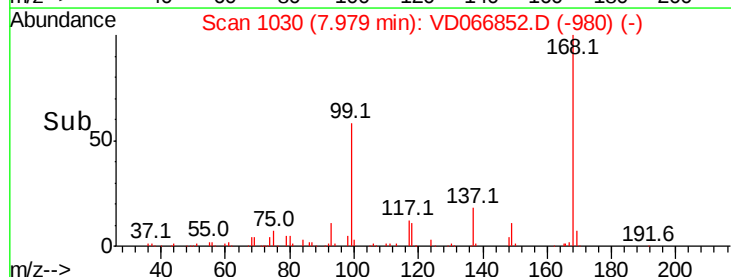
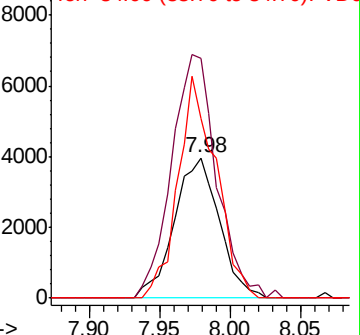
56 100

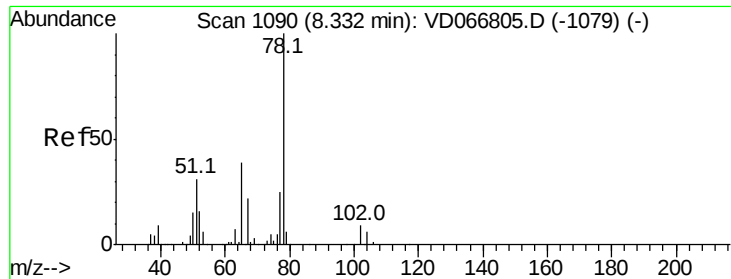
69 170.7 27.0 40.4#

84 128.4 70.2 105.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC

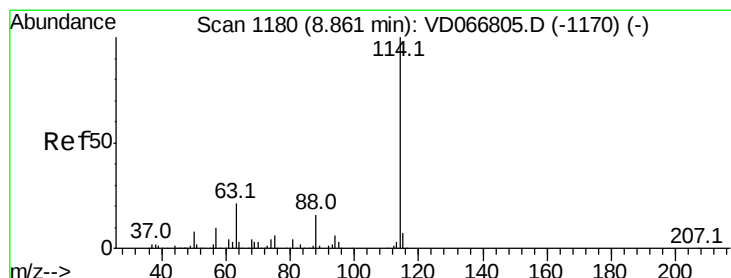
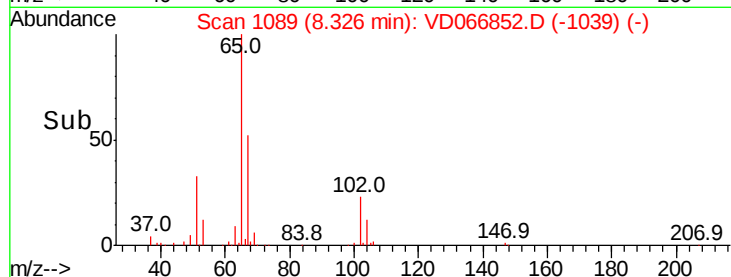
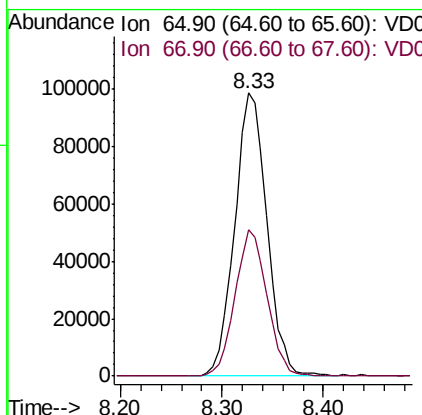
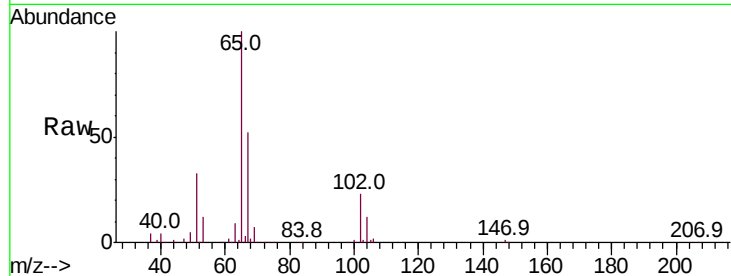




#33
 1,2-Dichloroethane-d4
 Concen: 56.830 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066852.D
 Acq: 24 Sep 2020 15:43

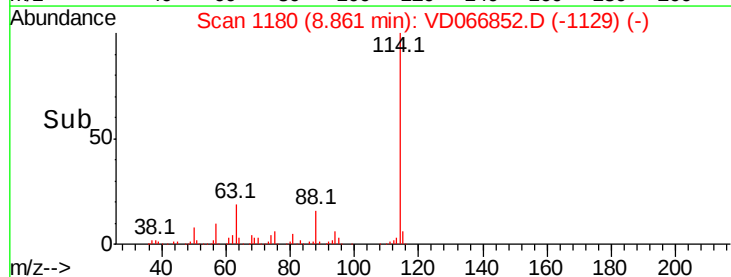
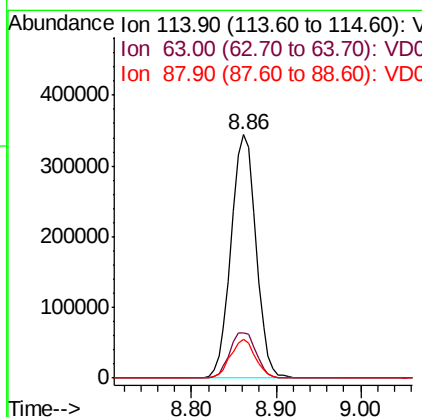
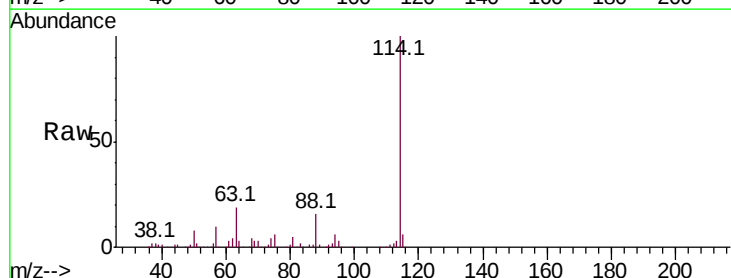
Instrument :
 MSVOA_D
 ClientSampled :
 CS-27

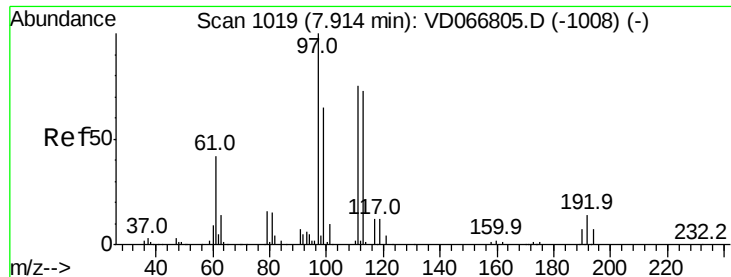
Tot Ion: 65 Resp: 217485
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066852.D
 Acq: 24 Sep 2020 15:43

Tgt Ion:114 Resp: 697956
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.6
 88 15.8 0.0 32.6

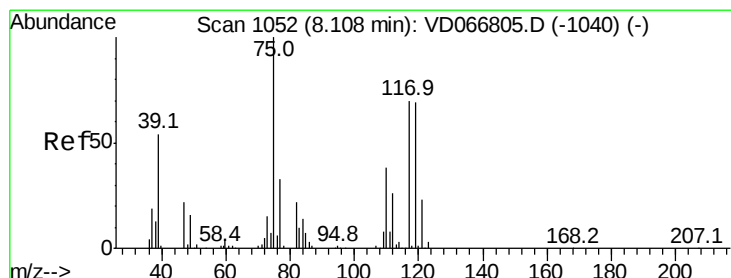
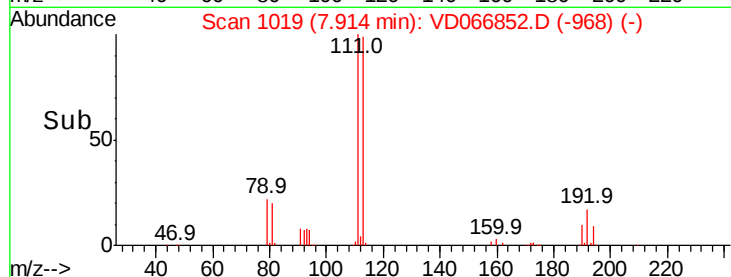
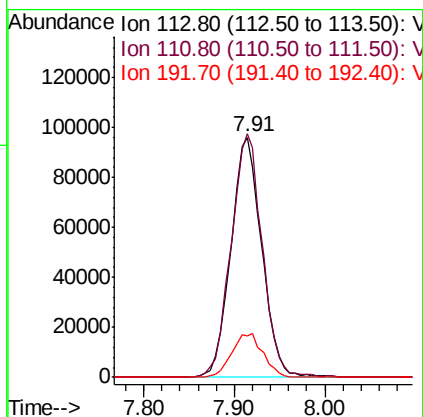
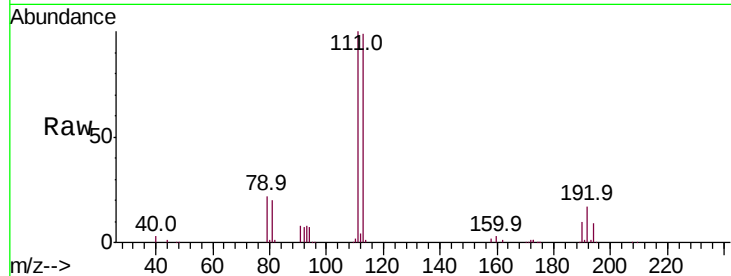




#35
Dibromofluoromethane
Concen: 51.115 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD066852.D
Acq: 24 Sep 2020 15:43

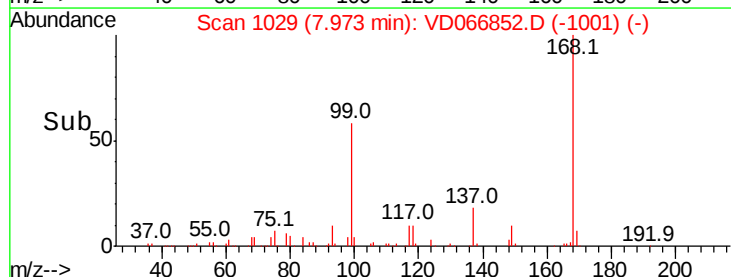
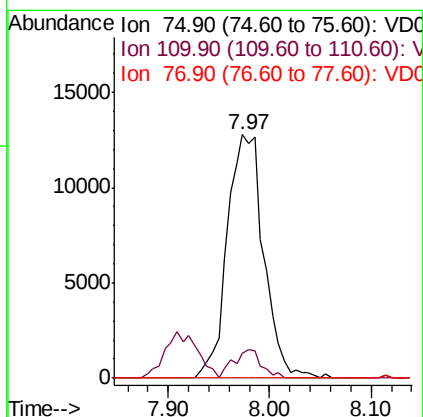
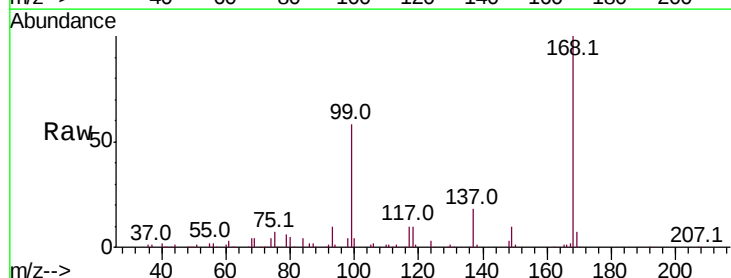
Instrument :
MSVOA_D
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CS-27

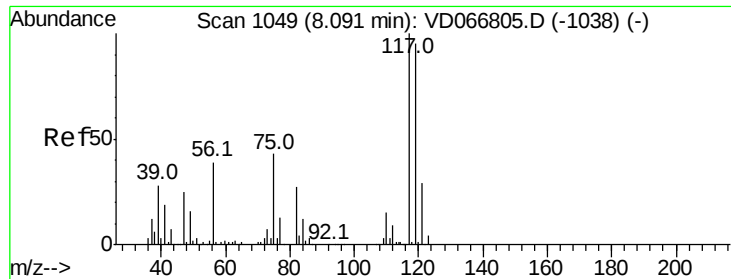
Tot Ion:113 Resp: 226970
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 18.6 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD066852.D
Acq: 24 Sep 2020 15:43

Tgt Ion: 75 Resp: 31914
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.656 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleID :

CS-27

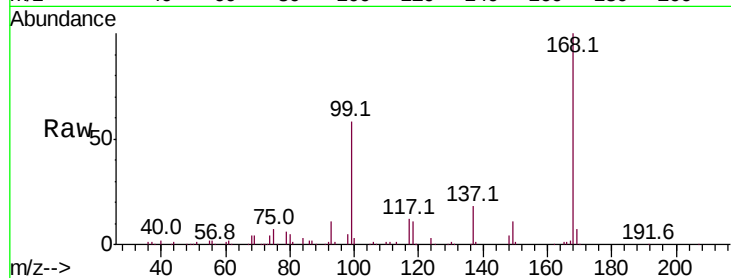
Tot Ion:117 Resp: 42814

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

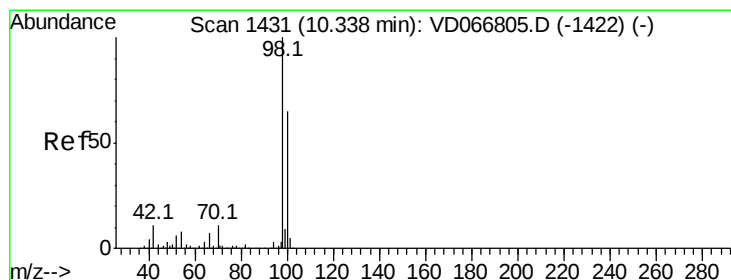
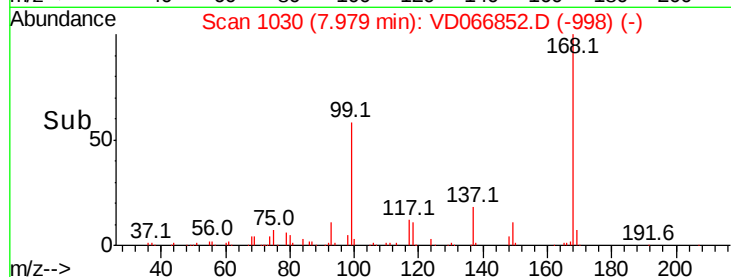
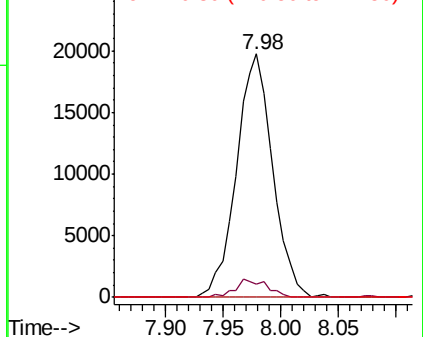
121 0.0 23.4 35.0#



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: 56.293 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066852.D

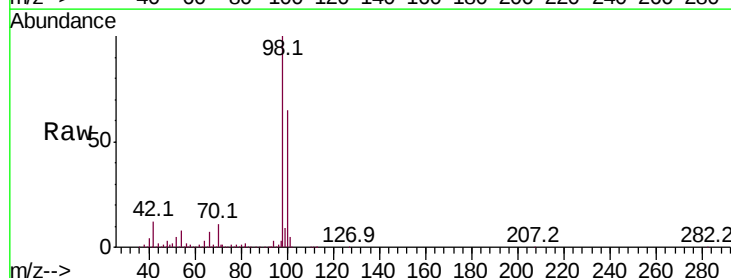
Acq: 24 Sep 2020 15:43

Tgt Ion: 98 Resp: 851669

Ion Ratio Lower Upper

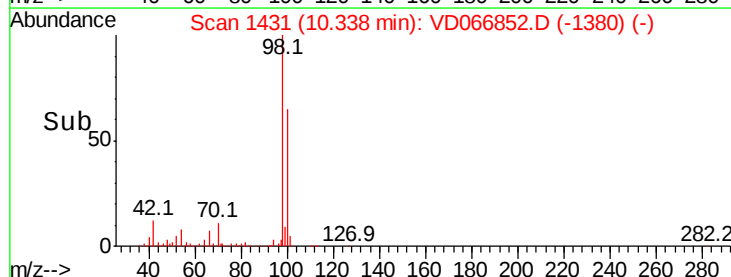
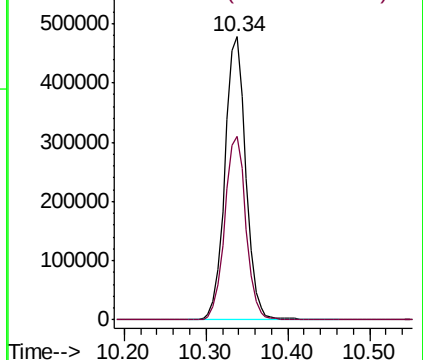
98 100

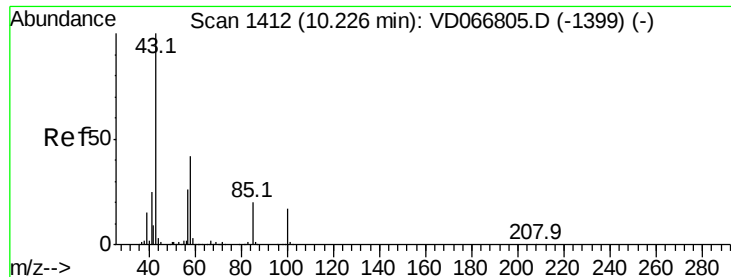
100 65.7 52.2 78.2



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: 1.363 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

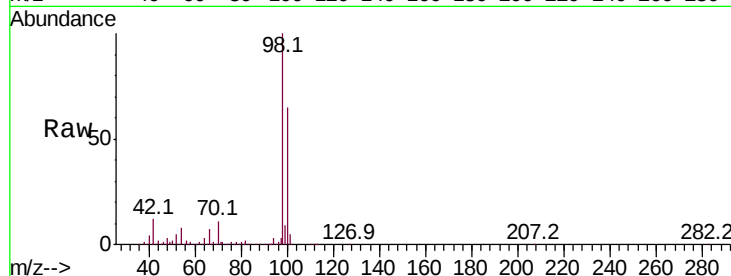
CS-27

Tot Ion: 43 Resp: 3332

Ion Ratio Lower Upper

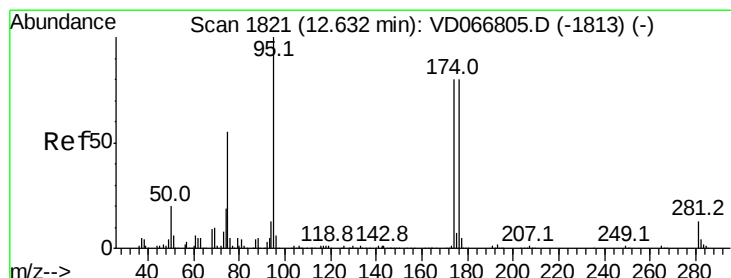
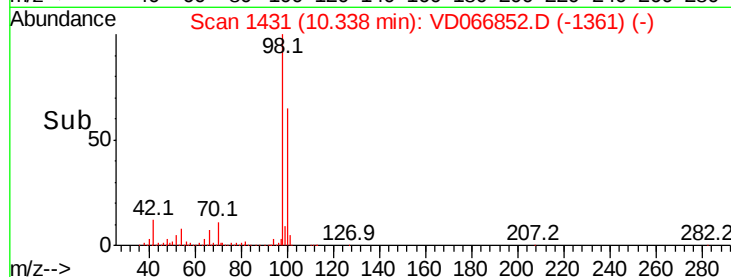
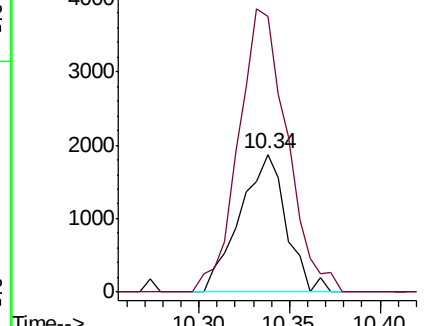
43 100

58 215.4 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: 57.894 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

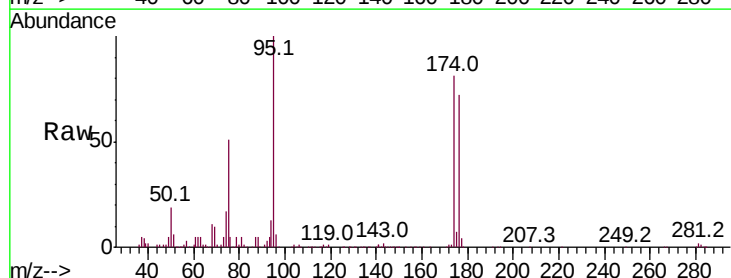
Tgt Ion: 95 Resp: 299846

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.8

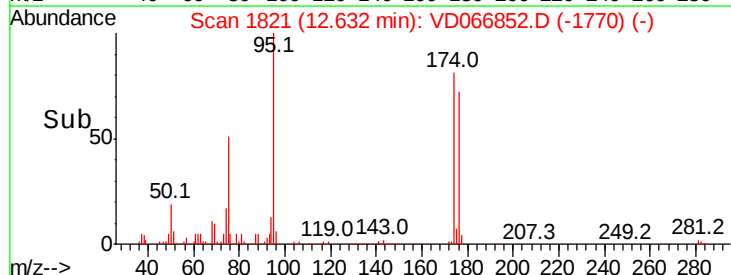
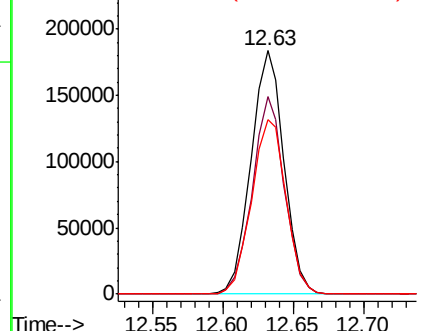
176 75.3 0.0 154.4

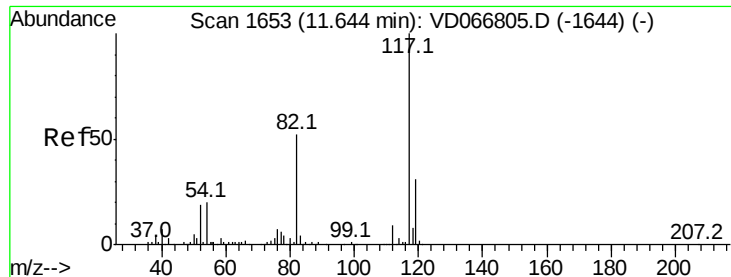


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

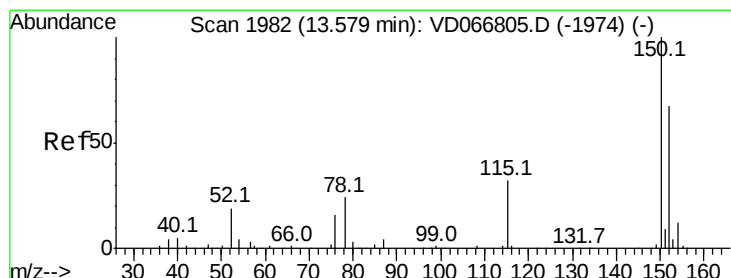
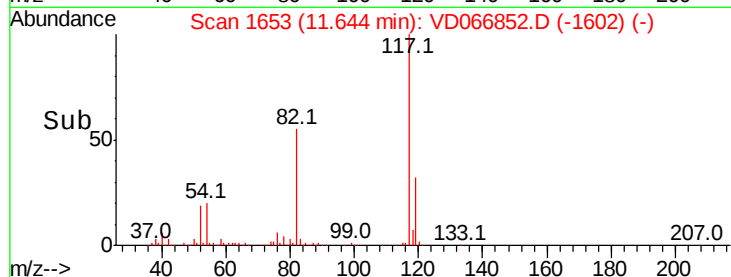
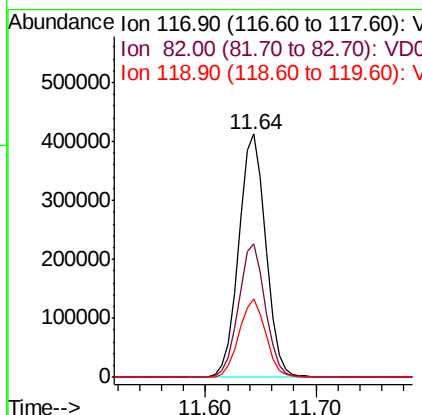
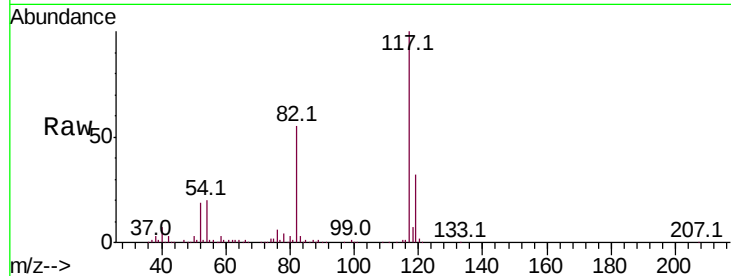




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066852.D
Acq: 24 Sep 2020 15:43

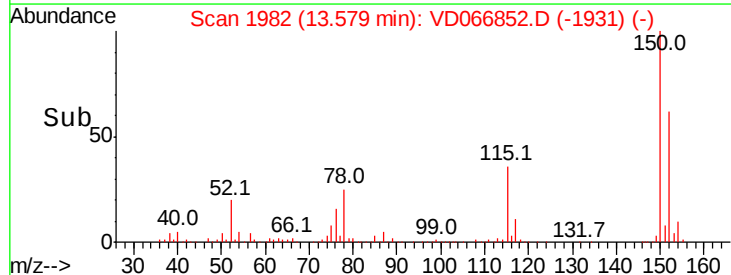
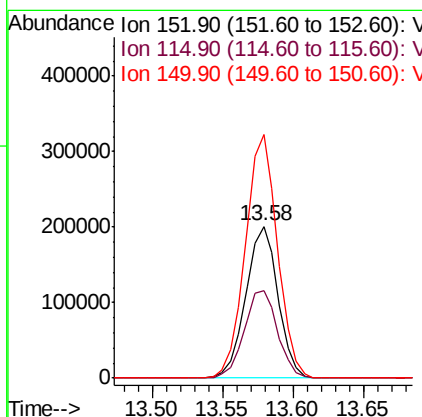
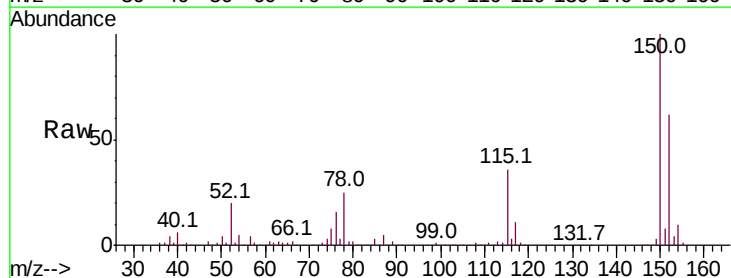
Instrument :
MSVOA_D
ClientSampled :
CS-27

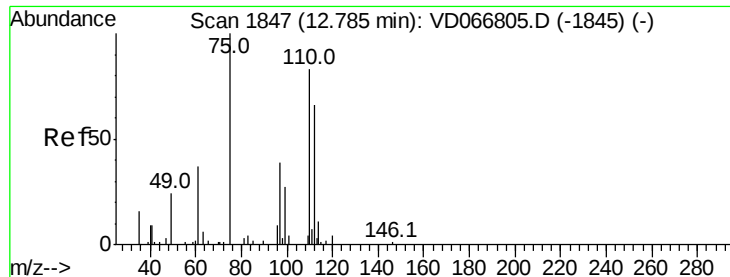
Tot Ion:117 Resp: 711709
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.6
119 32.5 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066852.D
Acq: 24 Sep 2020 15:43

Tgt Ion:152 Resp: 320986
Ion Ratio Lower Upper
152 100
115 60.0 30.3 91.0
150 160.5 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 58.890 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleID :

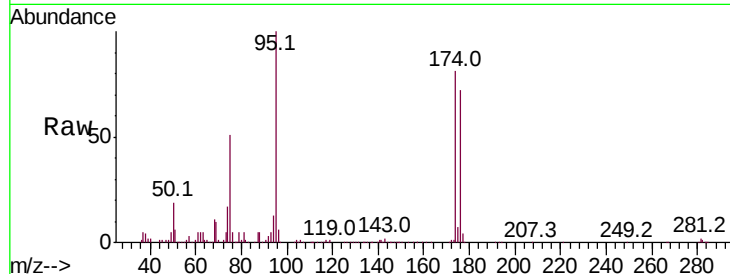
CS-27

Tot Ion: 75 Resp: 156653

Ion Ratio Lower Upper

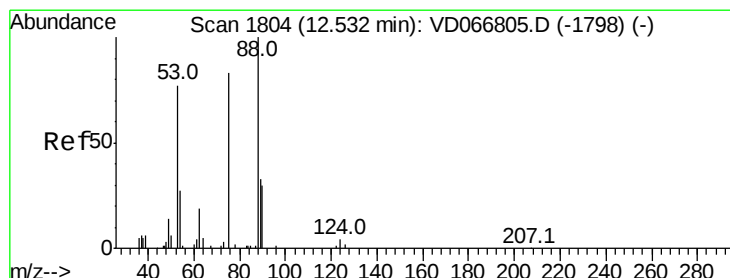
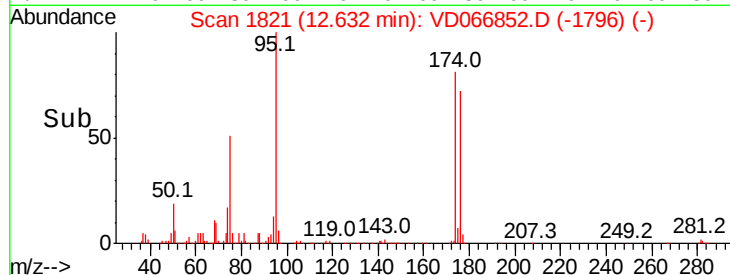
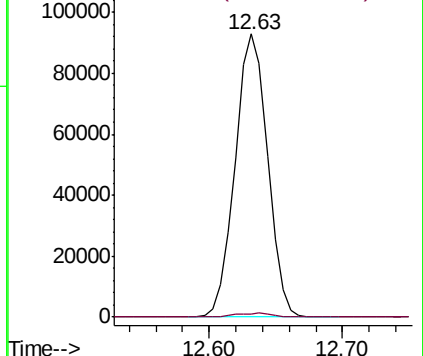
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 147.339 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

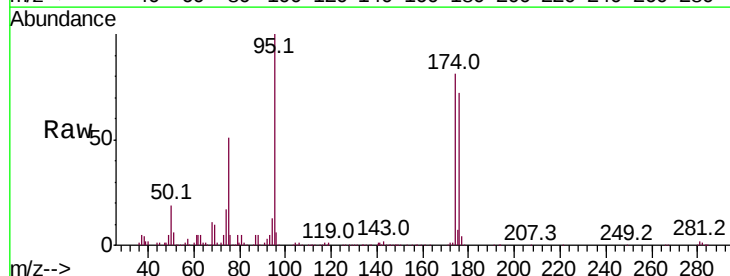
Tgt Ion: 75 Resp: 156653

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 38.1 57.1#



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

