

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066851.D
 Acq On : 24 Sep 2020 15:15
 Operator : VA/SY
 Sample : L4125-08
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-26

Quant Time: Sep 25 01:09:52 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	382783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	695770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	706136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	223915	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	
35) Dibromofluoromethane	7.91	113	229552	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.34	98	852424	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	
62) 4-Bromofluorobenzene	12.63	95	301211	58.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.68%	

Target Compounds

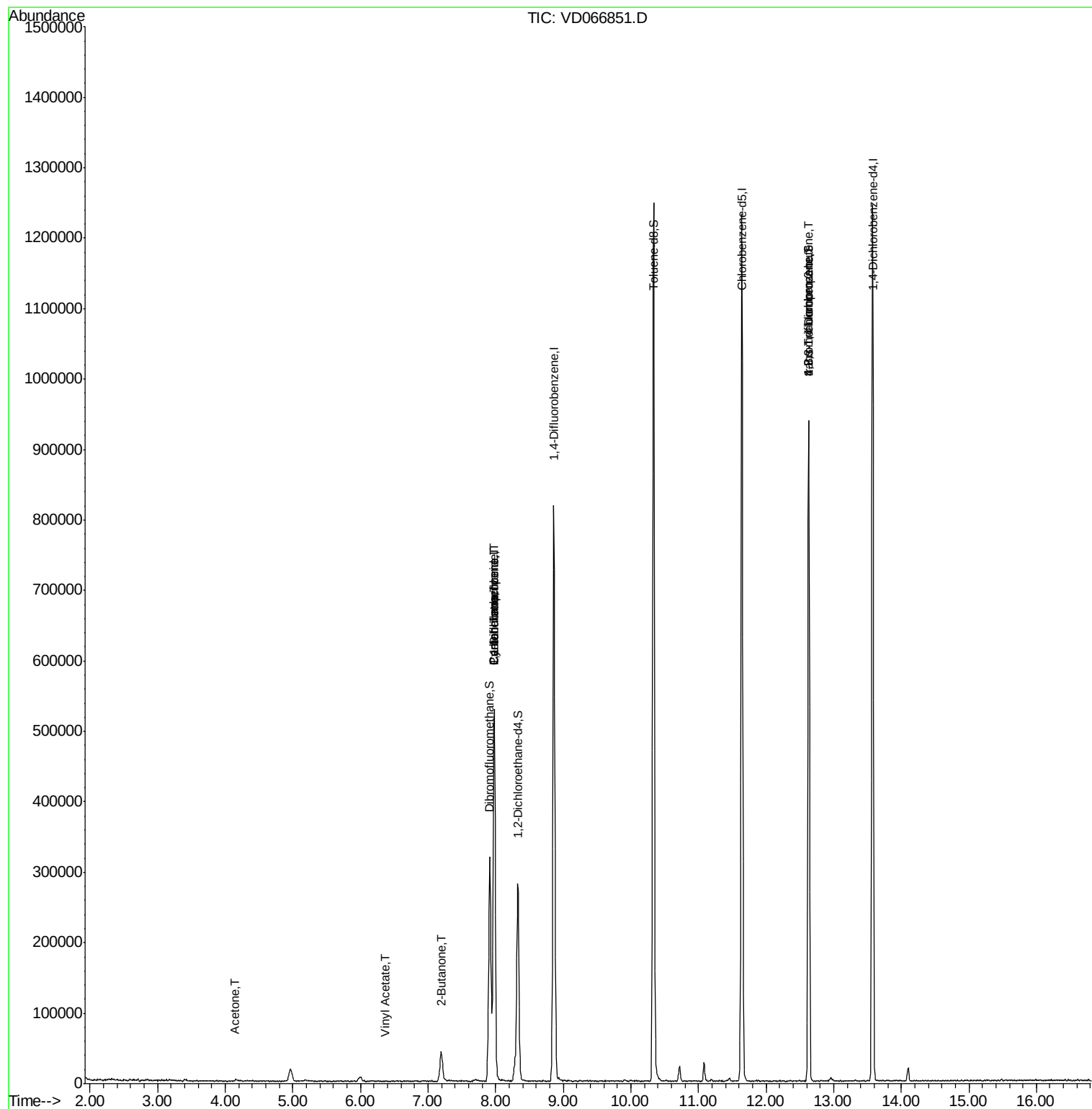
						Qvalue
2) Dichlorodifluoromethane	2.00	85	326	Below Cal	#	46
11) Tert butyl alcohol	5.17	59	676	Below Cal	#	72
16) Acetone	4.15	43	4226	5.317	ug/l	99
18) Methyl Acetate	4.96	43	62	Below Cal	#	50
20) Methylene Chloride	4.97	84	14357	Below Cal		94
23) Vinyl Acetate	6.36	43	55	2.681	ug/l #	71
25) 2-Butanone	7.19	43	2578	2.699	ug/l #	77
31) Cyclohexane	7.98	56	8645	1.269	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	32420	4.697	ug/l #	48
38) Carbon Tetrachloride	7.98	117	39842	5.280	ug/l #	20
76) 1,2,3-Trichloropropane	12.63	75	160990	59.314	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	160990	148.399	ug/l #	10

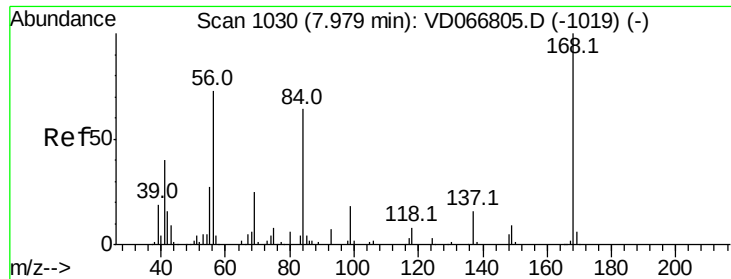
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066851.D

Acq: 24 Sep 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

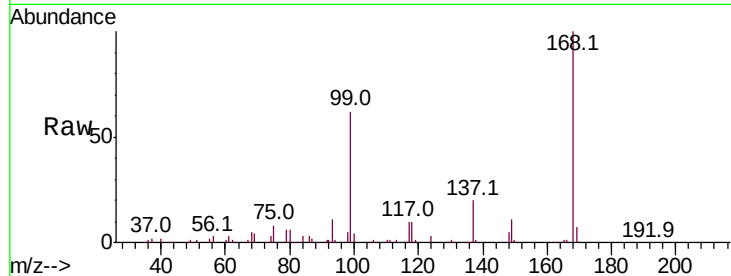
CS-26

Tot Ion:168 Resp: 382783

Ion Ratio Lower Upper

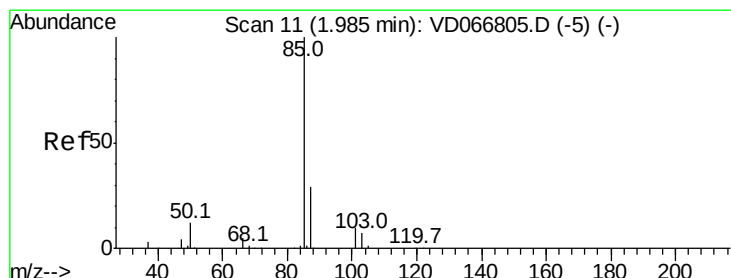
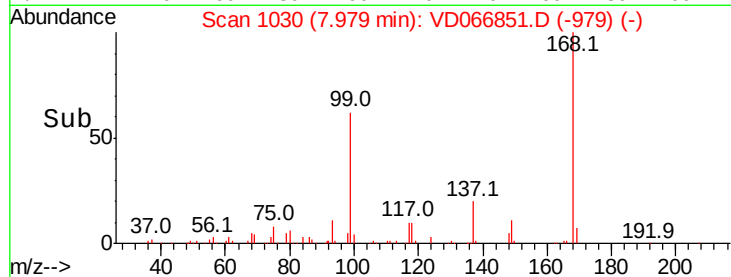
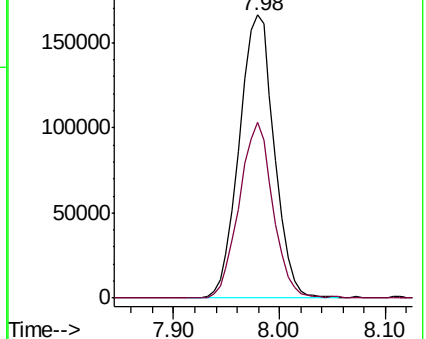
168 100

99 62.2 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: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066851.D

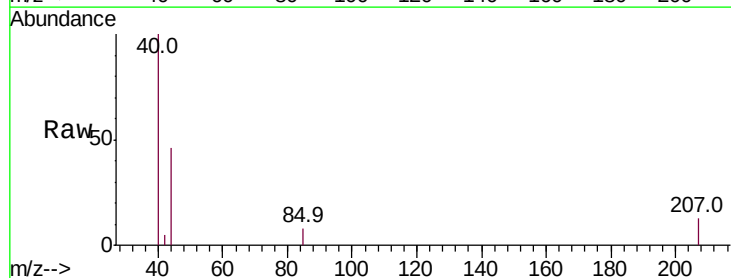
Acq: 24 Sep 2020 15:15

Tgt Ion: 85 Resp: 326

Ion Ratio Lower Upper

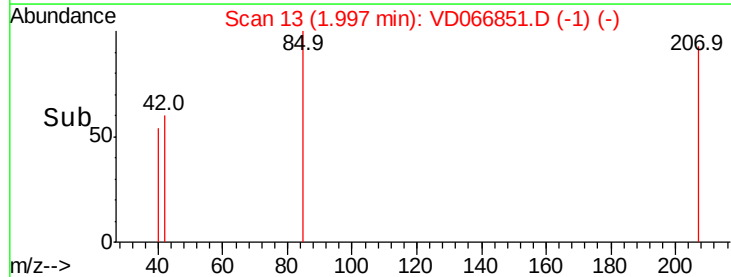
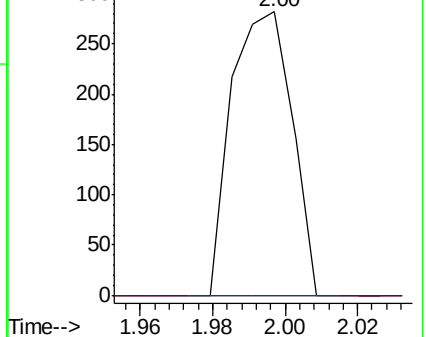
85 100

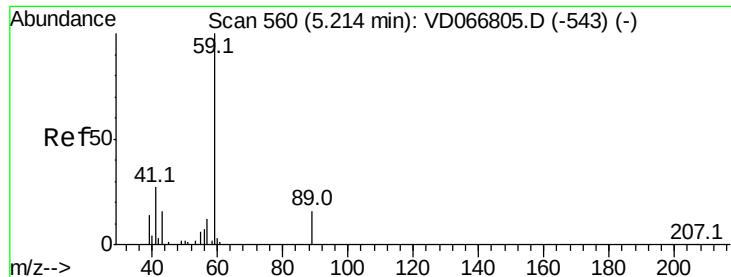
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



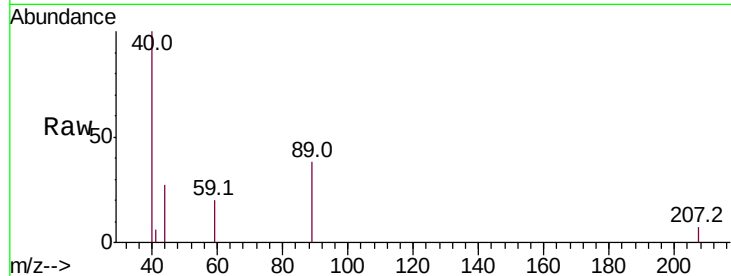


#11

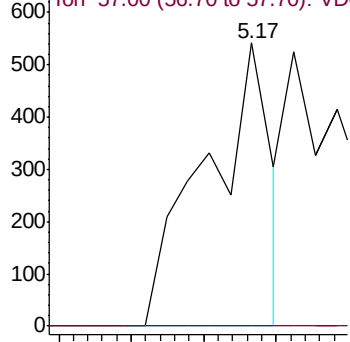
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 553
 Delta R.T. -0.04 min
 Lab File: VD066851.D
 Acq: 24 Sep 2020 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-26

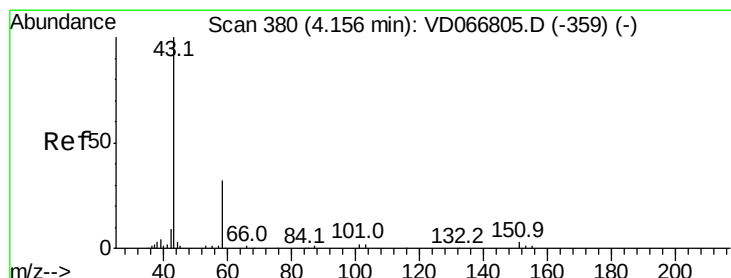
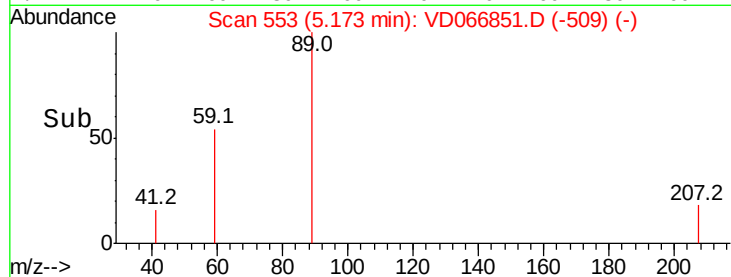
Tot Ion: 59 Resp: 676
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



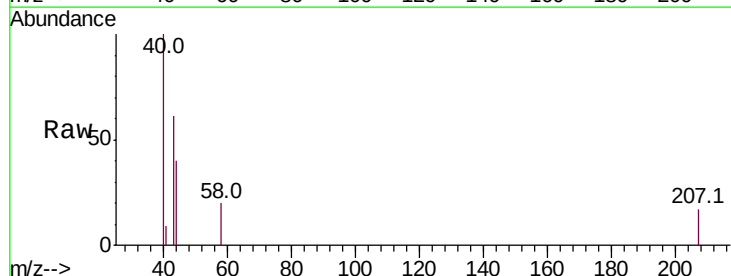
Time--> 5.12 5.14 5.16 5.18



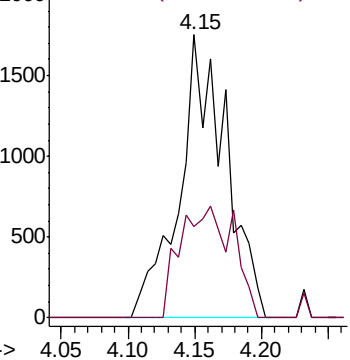
#16

Acetone
 Concen: 5.317 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066851.D
 Acq: 24 Sep 2020 15:15

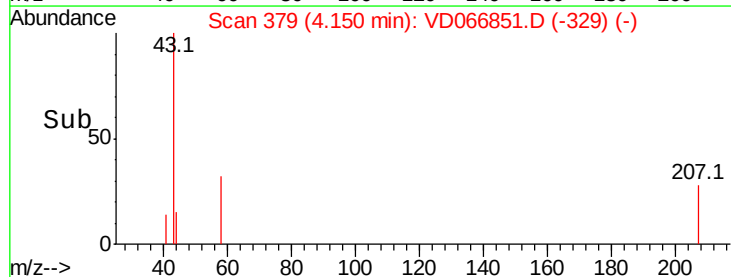
Tgt Ion: 43 Resp: 4226
 Ion Ratio Lower Upper
 43 100
 58 32.5 25.6 38.4

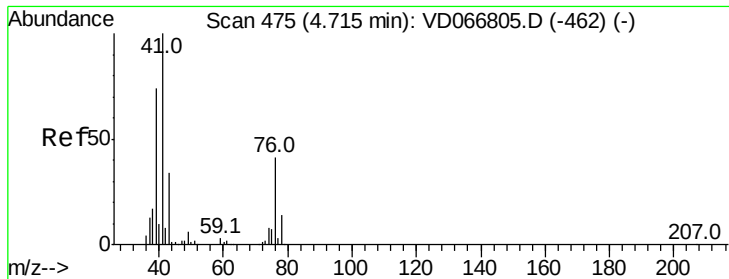


Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC



Time--> 4.05 4.10 4.15 4.20

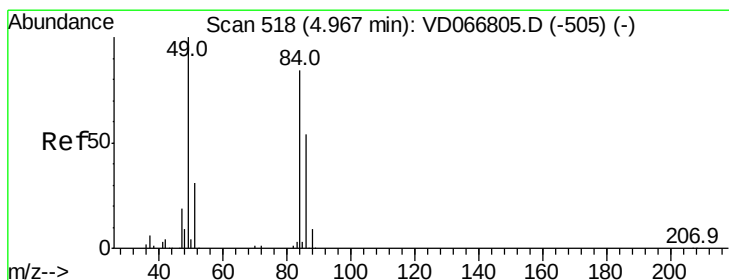
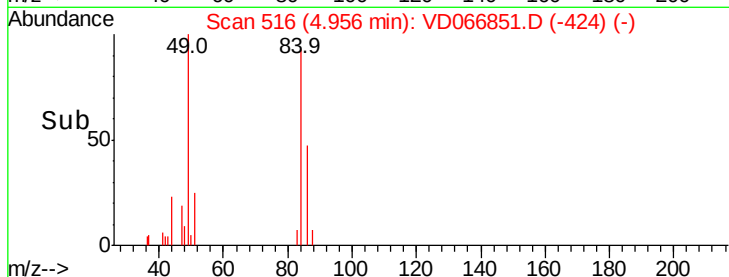
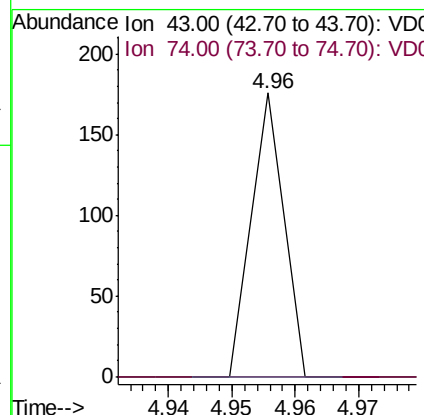
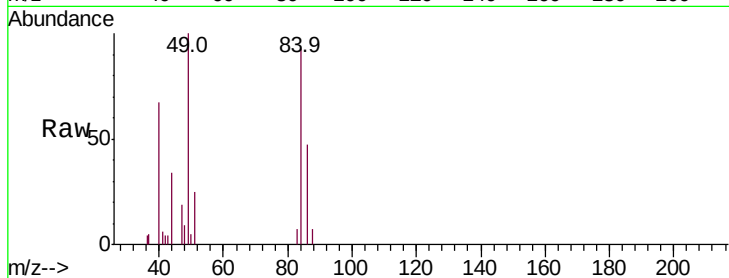




#18
Methyl Acetate
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. 0.24 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

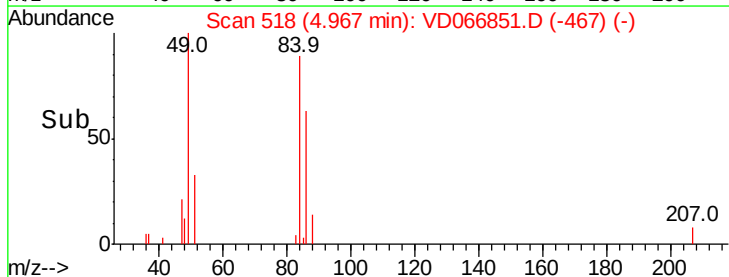
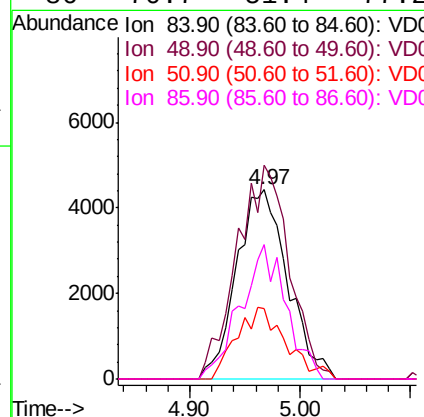
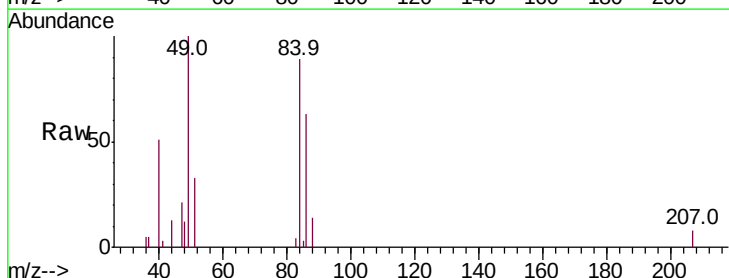
Instrument :
MSVOA_D
ClientSampleId :
CS-26

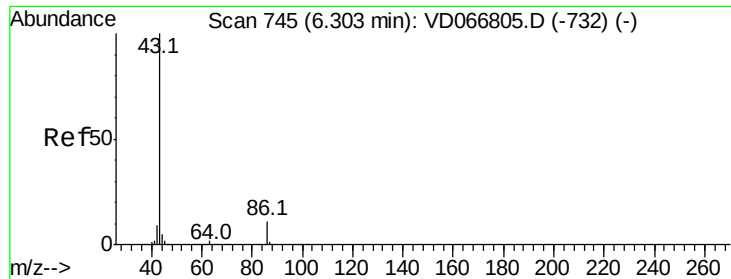
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

Tgt Ion: 84 Resp: 14357
Ion Ratio Lower Upper
84 100
49 112.8 95.4 143.2
51 37.0 29.7 44.5
86 70.7 51.4 77.2





#23

Vinyl Acetate

Concen: 2.681 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.06 min

Lab File: VD066851.D

Acq: 24 Sep 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

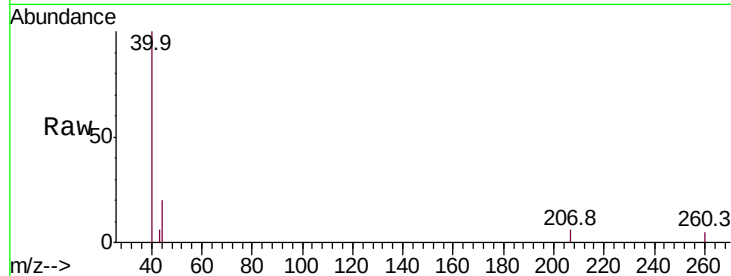
CS-26

Tot Ion: 43 Resp: 55

Ion Ratio Lower Upper

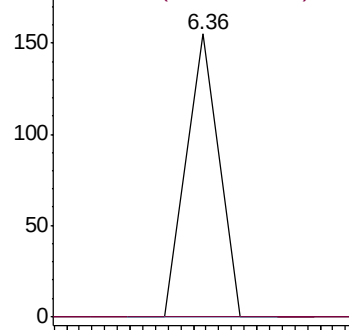
43 100

86 0.0 8.9 13.3#

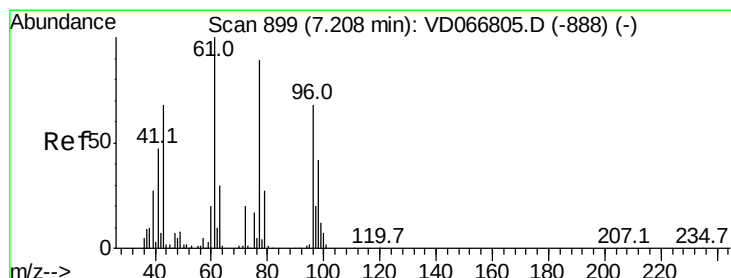
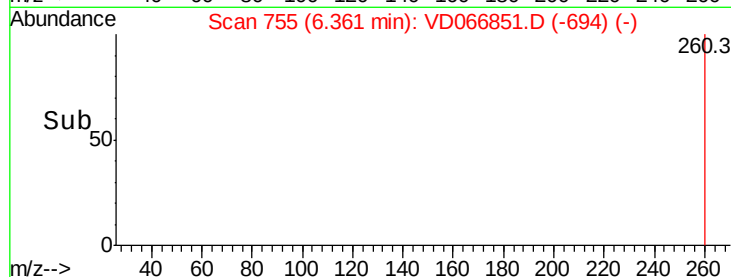


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.34 6.35 6.36 6.37 6.38



#25

2-Butanone

Concen: 2.699 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066851.D

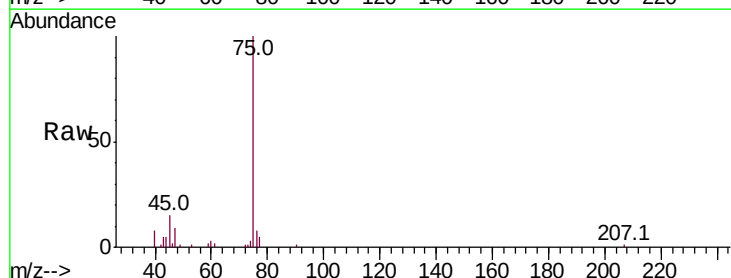
Acq: 24 Sep 2020 15:15

Tgt Ion: 43 Resp: 2578

Ion Ratio Lower Upper

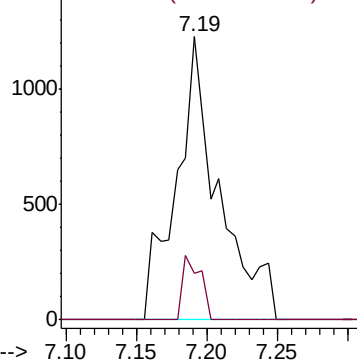
43 100

72 16.3 22.9 34.3#

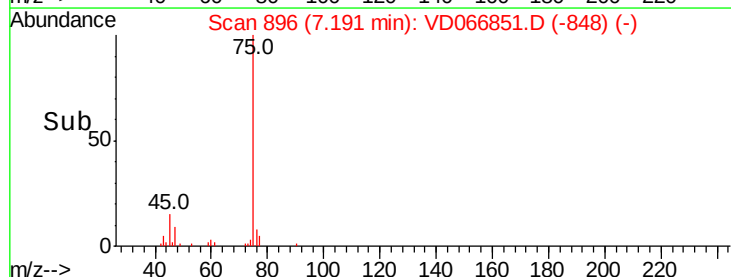


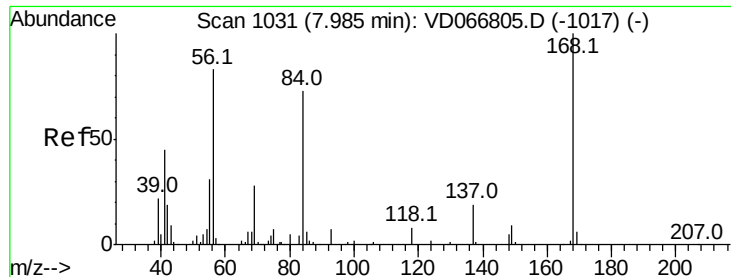
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 7.10 7.15 7.20 7.25

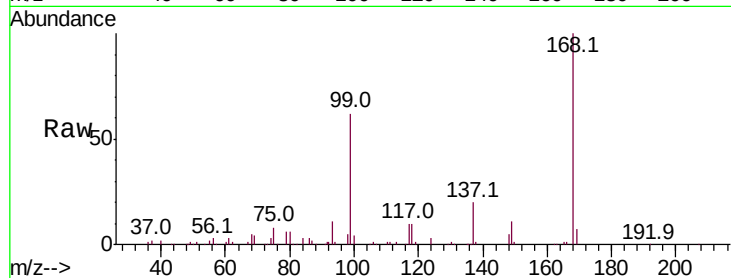




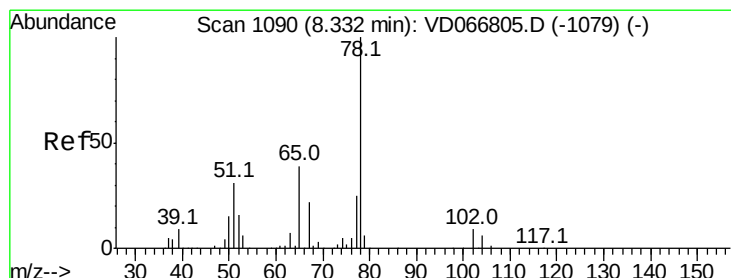
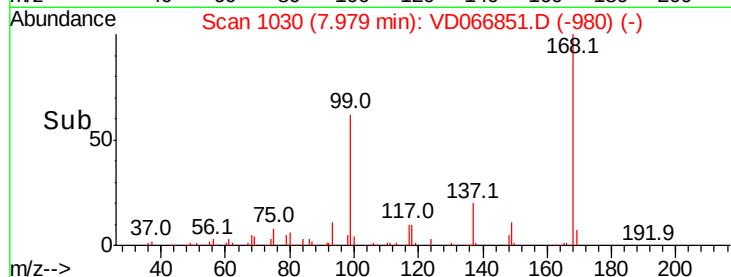
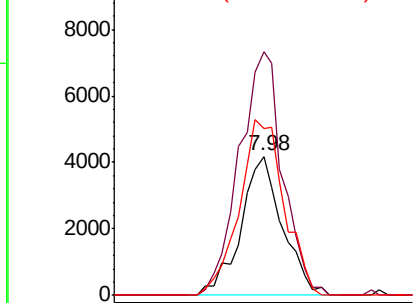
#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

Instrument :
MSVOA_D
ClientSampleID :
CS-26

Tot Ion: 56 Resp: 8645
Ion Ratio Lower Upper
56 100
69 175.1 27.0 40.4#
84 119.8 70.2 105.4#

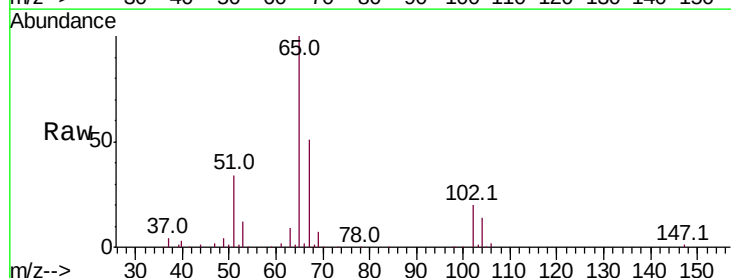


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

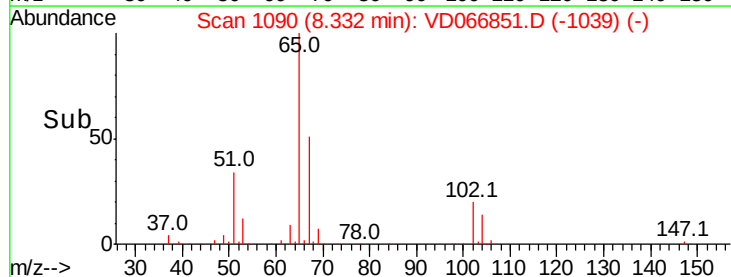
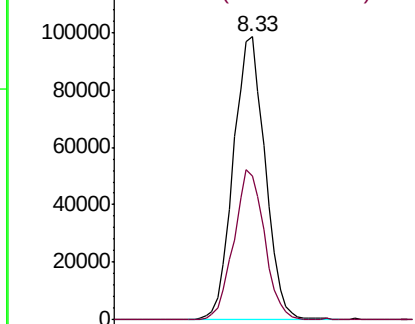


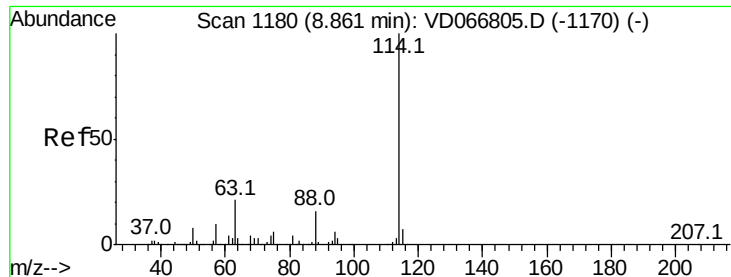
#33
1,2-Dichloroethane-d4
Concen: 59.766 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

Tgt Ion: 65 Resp: 223915
Ion Ratio Lower Upper
65 100
67 51.2 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: VD066851.D

Acq: 24 Sep 2020 15:15

Instrument :

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ClientSampleId :

CS-26

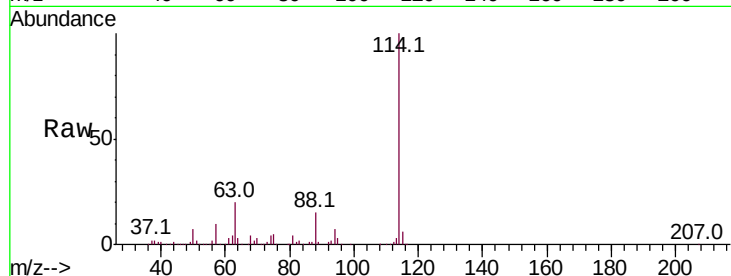
Tot Ion:114 Resp: 695770

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

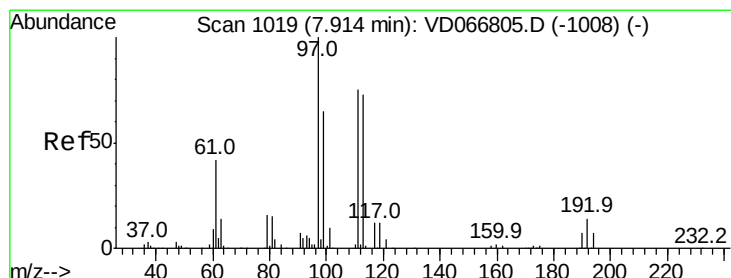
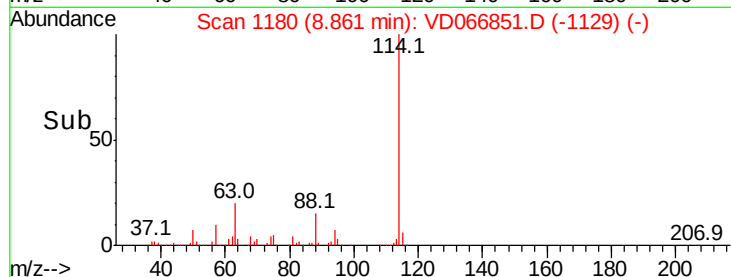
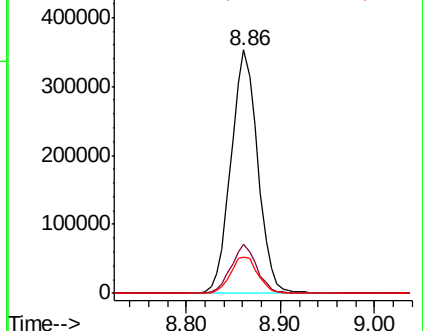
88 14.9 0.0 32.6



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: 51.859 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066851.D

Acq: 24 Sep 2020 15:15

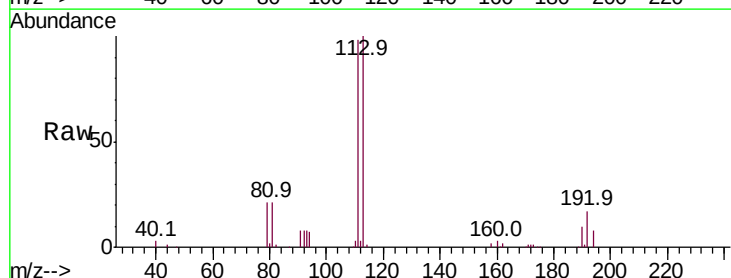
Tgt Ion:113 Resp: 229552

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

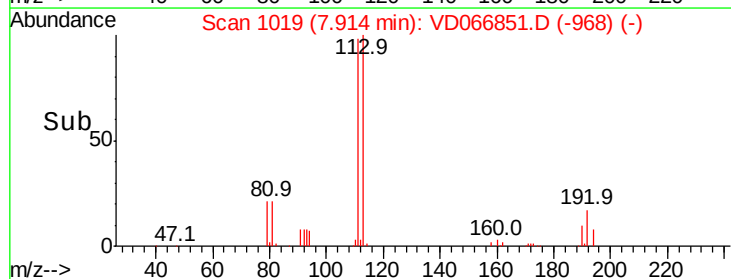
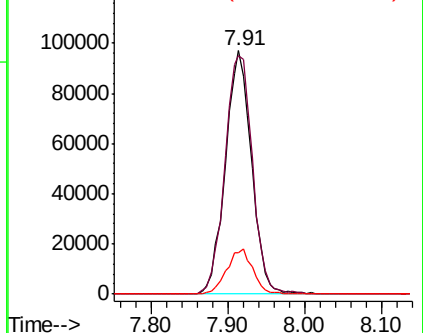
192 18.5 14.4 21.6

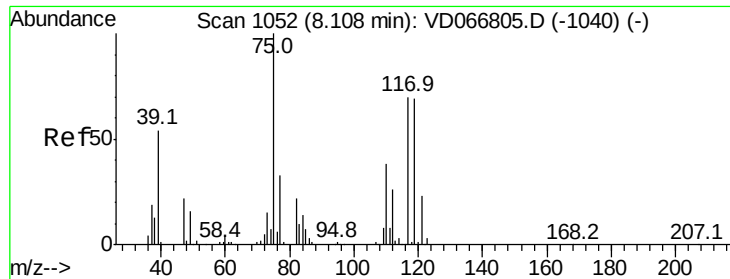


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.697 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066851.D

Acq: 24 Sep 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

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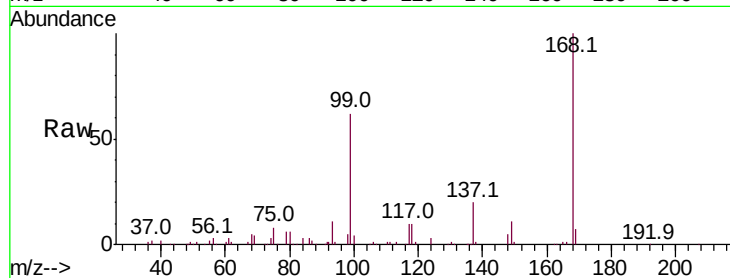
Tot Ion: 75 Resp: 32420

Ion Ratio Lower Upper

75 100

110 8.1 17.9 53.8#

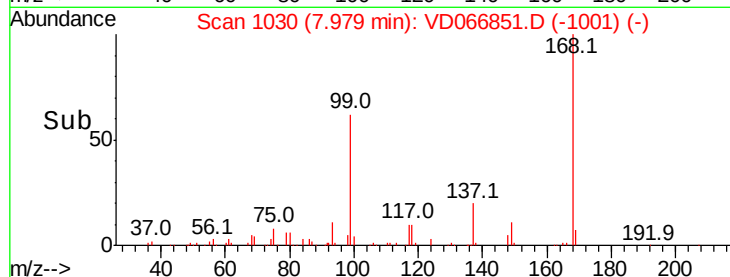
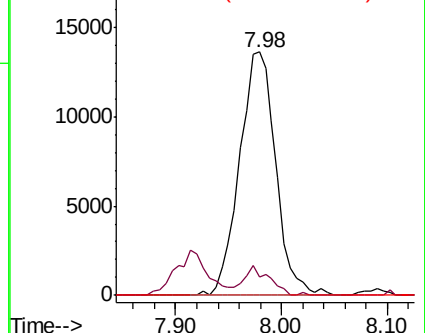
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066851.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066851.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066851.D (-998) (-)



#38

Carbon Tetrachloride

Concen: 5.280 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066851.D

Acq: 24 Sep 2020 15:15

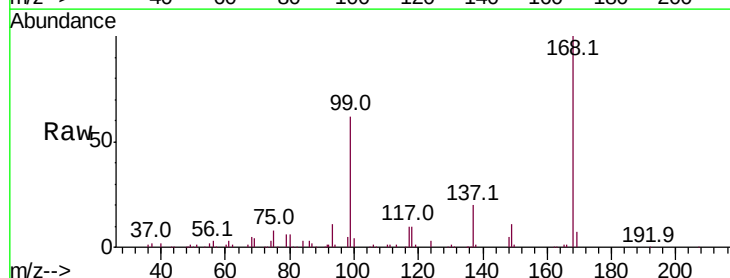
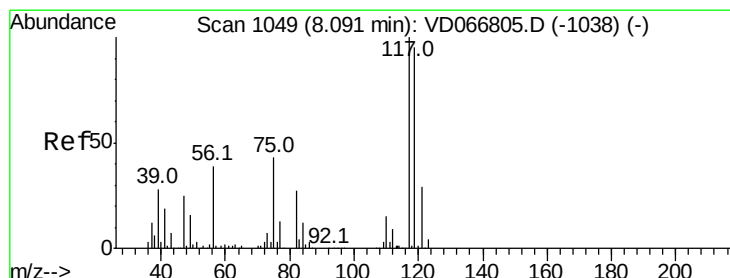
Tgt Ion: 117 Resp: 39842

Ion Ratio Lower Upper

117 100

119 9.4 75.8 113.8#

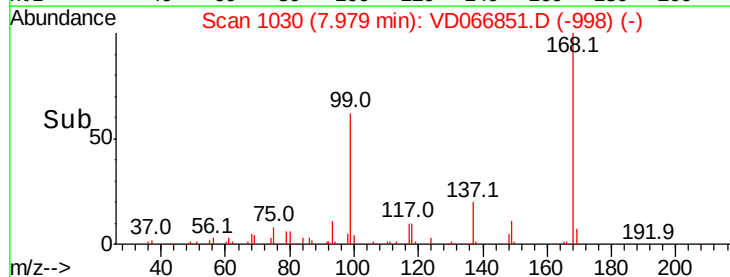
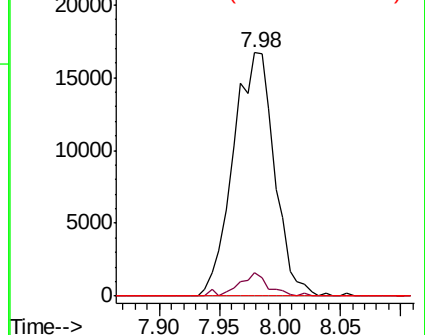
121 0.0 23.4 35.0#

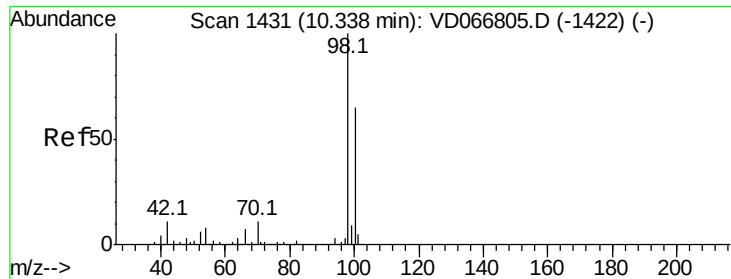


Abundance Ion 116.80 (116.50 to 117.50): VD066851.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066851.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066851.D (-998) (-)

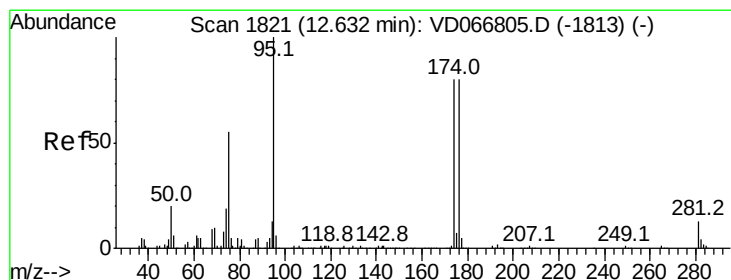
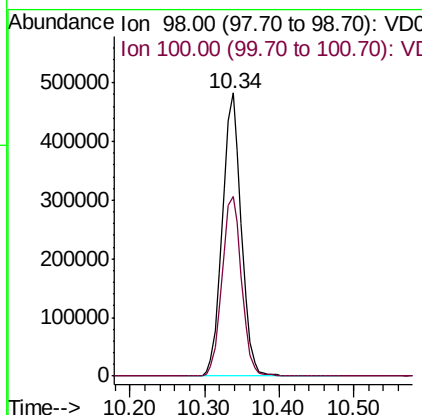
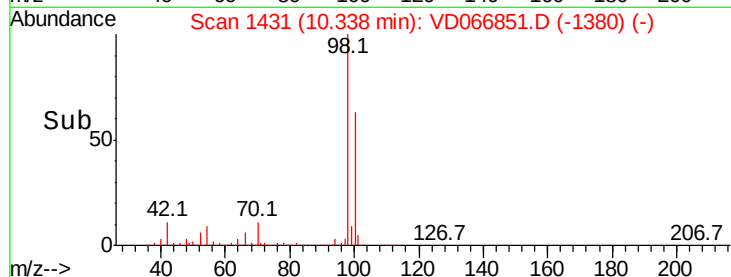
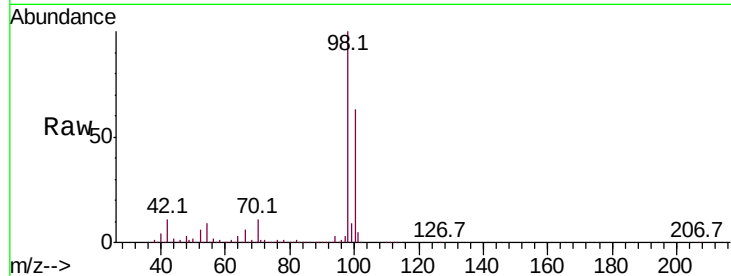




#50
Toluene-d8
Concen: 56.520 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

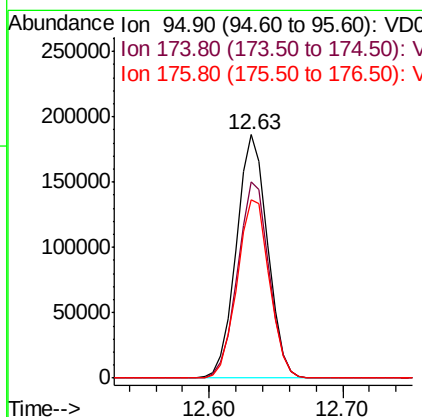
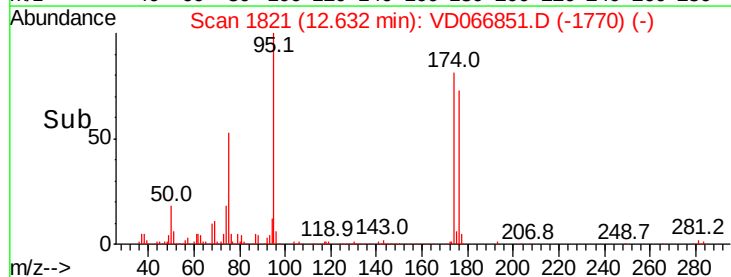
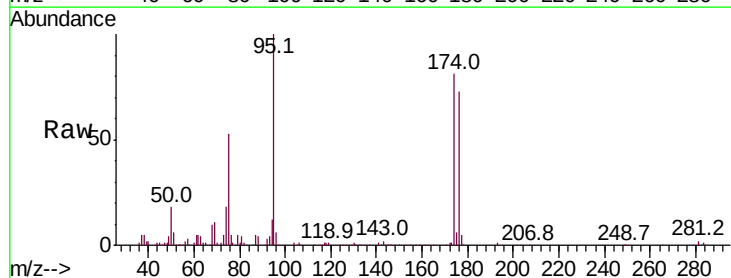
Instrument :
MSVOA_D
ClientSampled :
CS-26

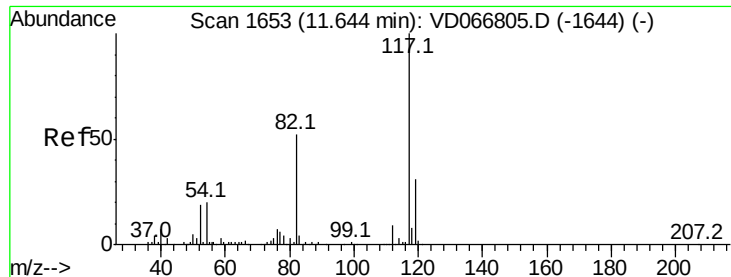
Tot Ion: 98 Resp: 852424
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 58.340 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

Tgt Ion: 95 Resp: 301211
Ion Ratio Lower Upper
95 100
174 81.3 0.0 159.8
176 75.5 0.0 154.4

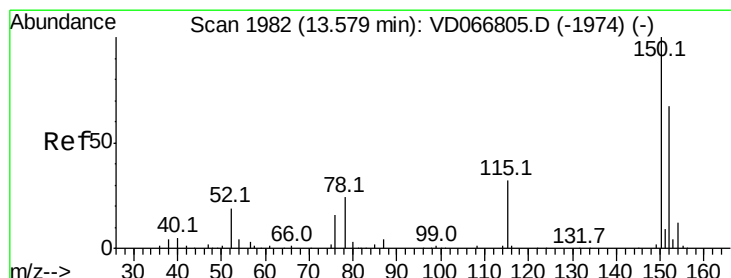
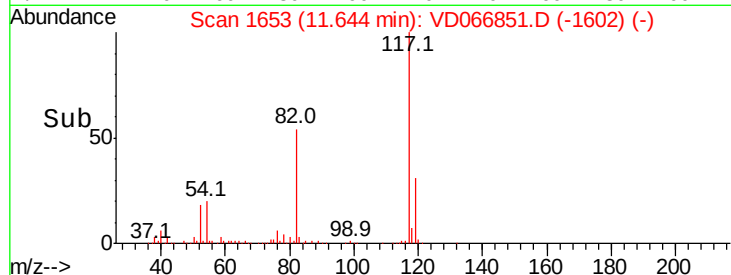
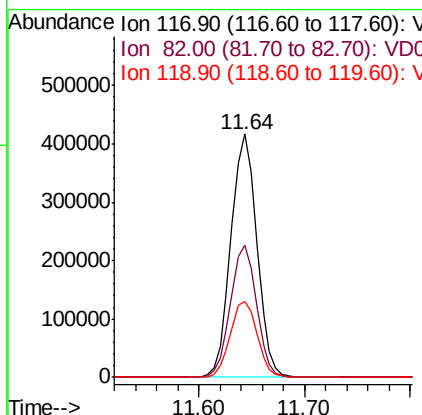
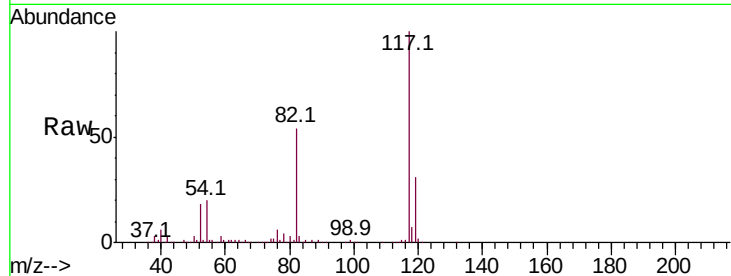




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

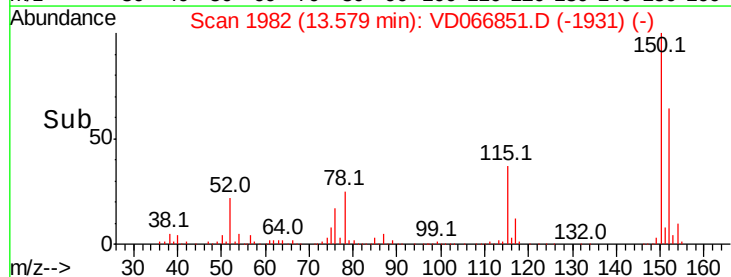
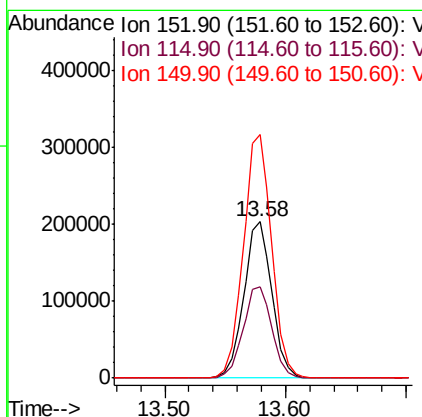
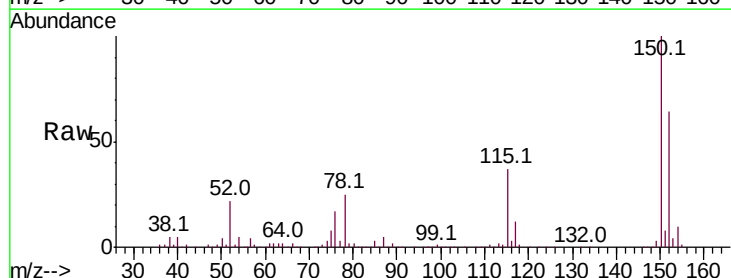
Instrument :
MSVOA_D
ClientSampled :
CS-26

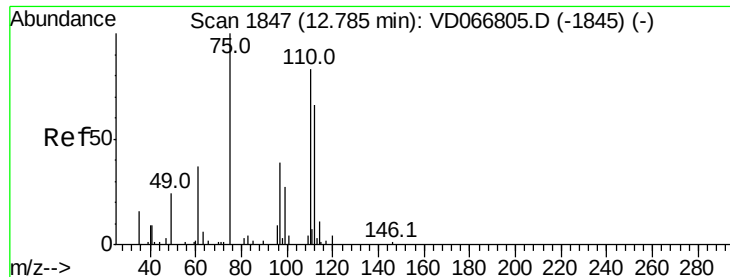
Tot Ion:117 Resp: 706136
Ion Ratio Lower Upper
117 100
82 54.4 41.8 62.6
119 31.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066851.D
Acq: 24 Sep 2020 15:15

Tgt Ion:152 Resp: 327516
Ion Ratio Lower Upper
152 100
115 59.9 30.3 91.0
150 157.4 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 59.314 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066851.D

Acq: 24 Sep 2020 15:15

Instrument :

MSVOA_D

ClientSampled :

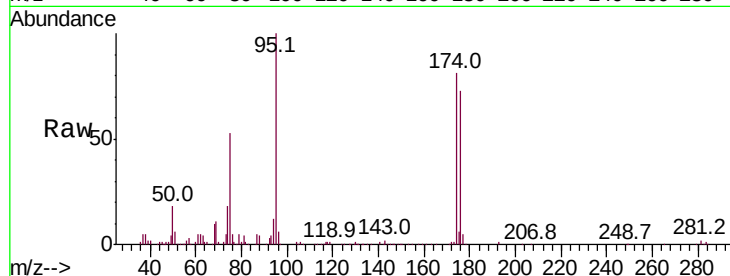
CS-26

Tot Ion: 75 Resp: 160990

Ion Ratio Lower Upper

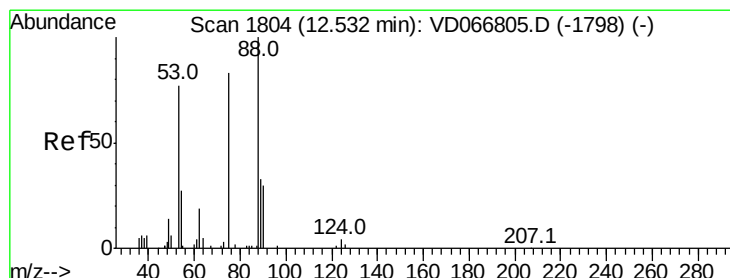
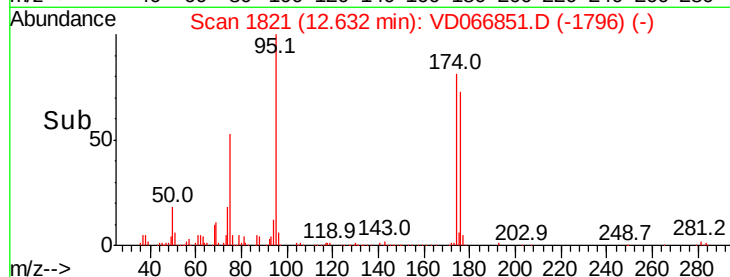
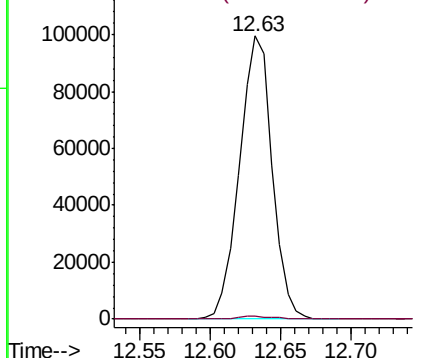
75 100

77 1.1 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: 148.399 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066851.D

Acq: 24 Sep 2020 15:15

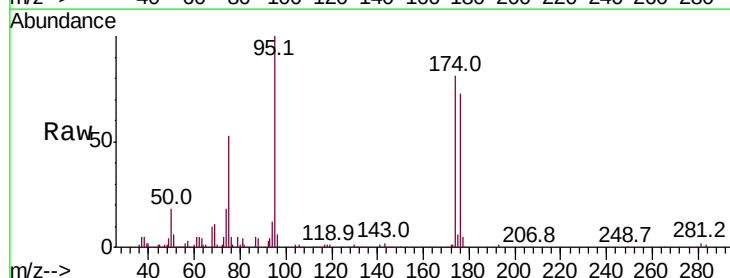
Tgt Ion: 75 Resp: 160990

Ion Ratio Lower Upper

75 100

53 0.3 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

