

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066872.D
 Acq On : 25 Sep 2020 14:21
 Operator : VA/SY
 Sample : L4130-01
 Misc : 5.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-84

Quant Time: Sep 26 03:00:56 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	4144227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	6982942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	6247656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	2030331	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	2125487	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
35) Dibromofluoromethane	7.91	113	2206888	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.34	98	7845407	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.63	95	2636025	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	

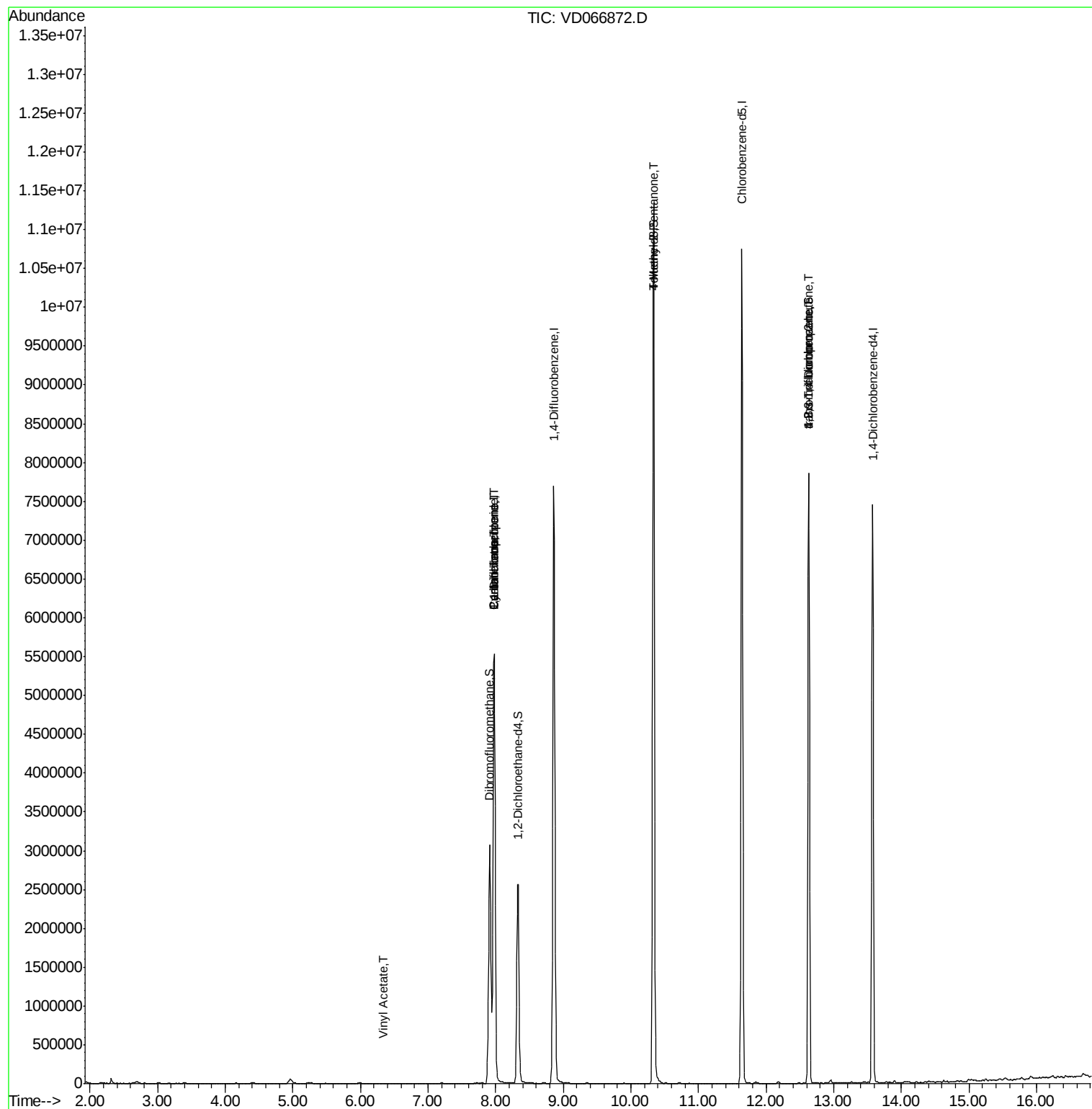
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	149	Below Cal	#	1
11) Tert butyl alcohol	5.23	59	10285	Below Cal		99
18) Methyl Acetate	4.71	43	1535	Below Cal	#	84
20) Methylene Chloride	4.96	84	42590	Below Cal		97
23) Vinyl Acetate	6.33	43	59	2.673	ug/l #	71
31) Cyclohexane	7.97	56	84037	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	313678	4.528	ug/l #	50
38) Carbon Tetrachloride	7.98	117	428507	5.658	ug/l #	16
49) 1,4-Dioxane	9.44	88	54	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.34	43	30431	1.244	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	1339033	79.582	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1339033	199.108	ug/l #	10

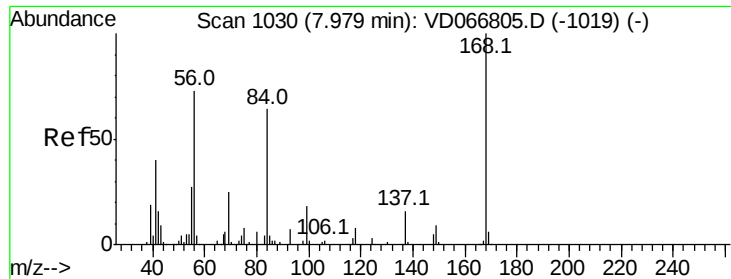
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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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: VD066872.D

Acq: 25 Sep 2020 14:21

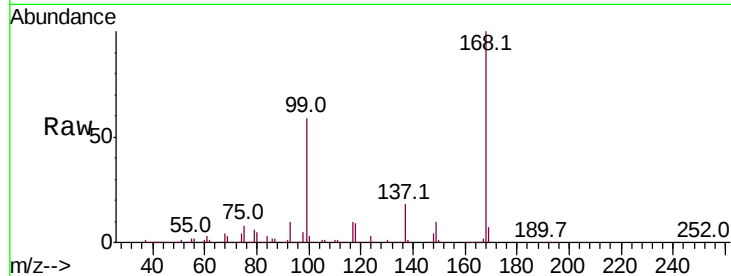
Instrument :
MSVOA_D
ClientSampleId :
D-84

Tot Ion:168 Resp: 4144227

Ion Ratio Lower Upper

168 100

99 58.6 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

2000000

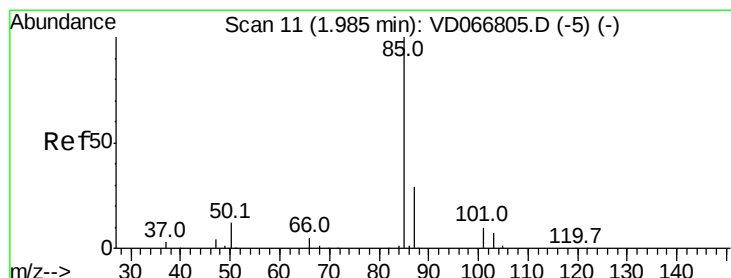
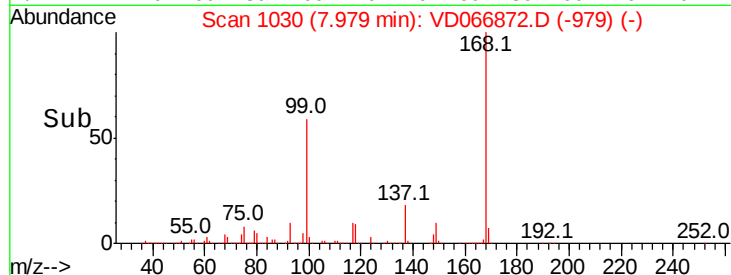
1500000

1000000

500000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066872.D

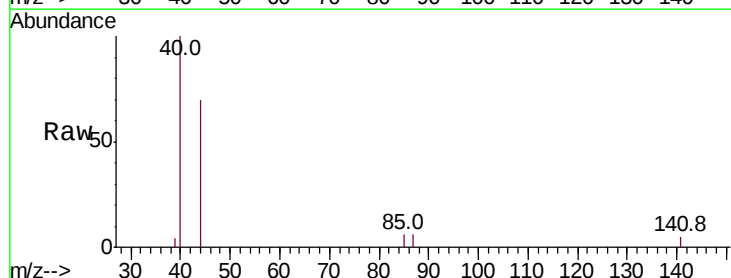
Acq: 25 Sep 2020 14:21

Tgt Ion: 85 Resp: 149

Ion Ratio Lower Upper

85 100

87 95.9 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

400

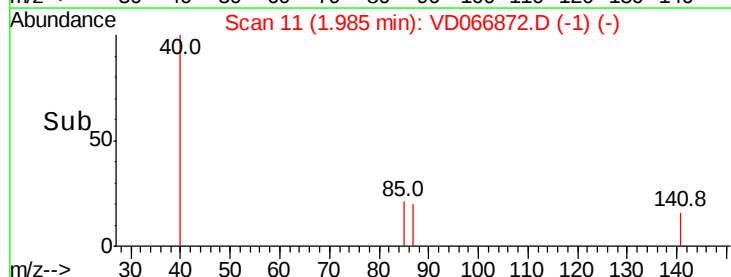
300

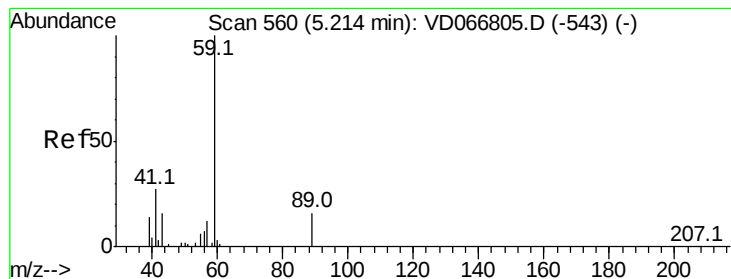
200

100

0

Time-->



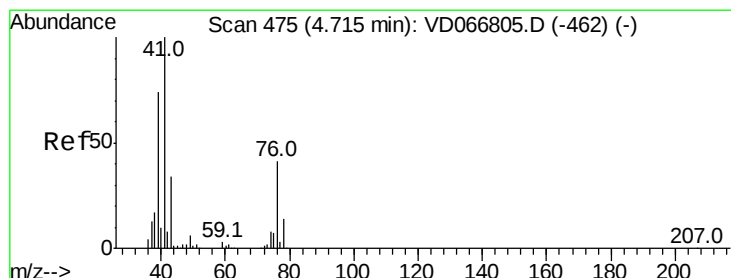
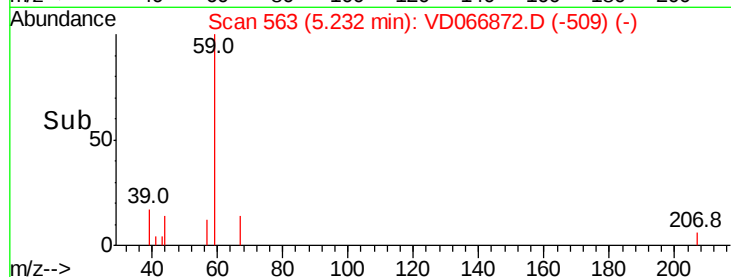
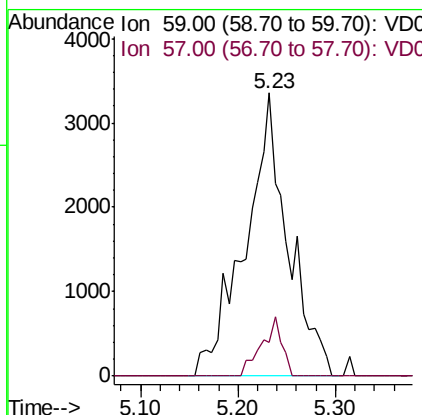
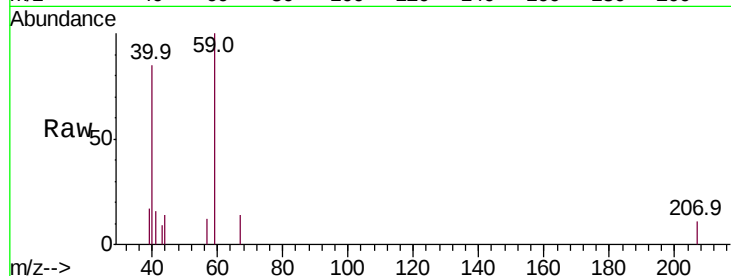


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD066872.D
 Acq: 25 Sep 2020 14:21

Instrument :
 MSVOA_D
 ClientSampleID :
 D-84

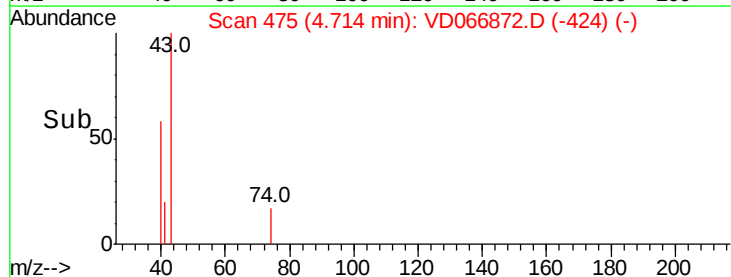
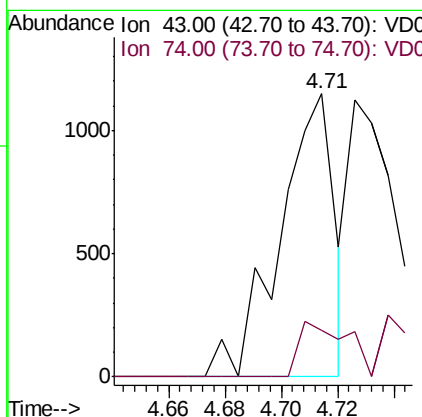
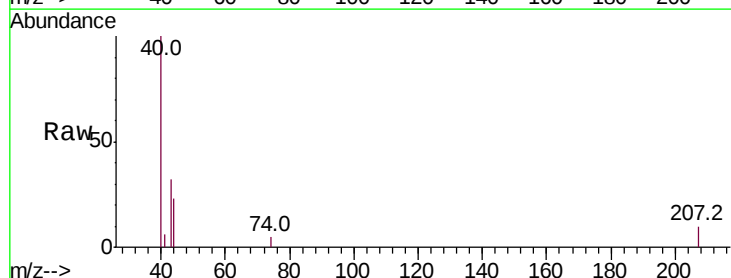
Tot Ion: 59 Resp: 10285
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

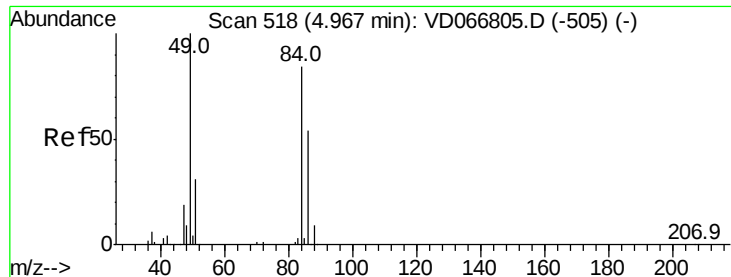


#18

Methyl Acetate
 Concen: Below Cal
 RT: 4.71 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VD066872.D
 Acq: 25 Sep 2020 14:21

Tgt Ion: 43 Resp: 1535
 Ion Ratio Lower Upper
 43 100
 74 17.3 20.3 30.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066872.D

Acq: 25 Sep 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

D-84

Tot Ion: 84 Resp: 42590

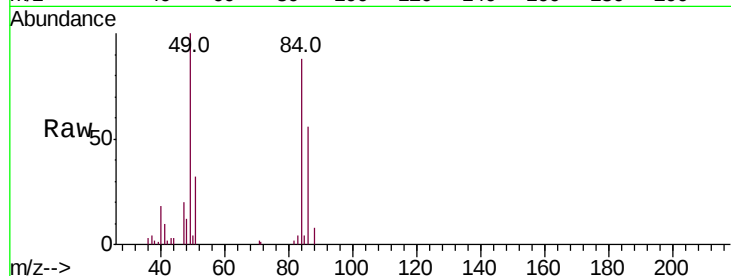
Ion Ratio Lower Upper

84 100

49 113.3 95.4 143.2

51 36.3 29.7 44.5

86 63.6 51.4 77.2

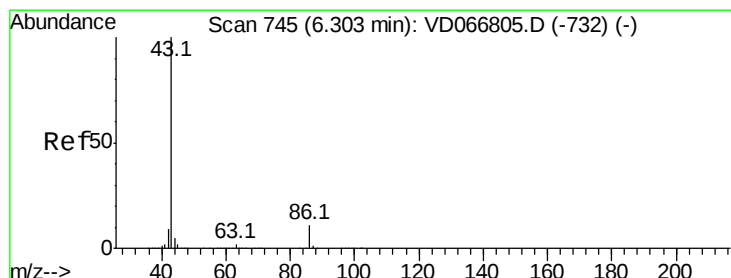
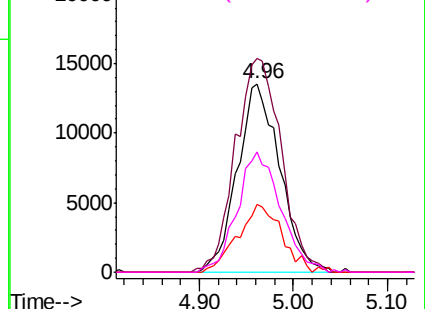
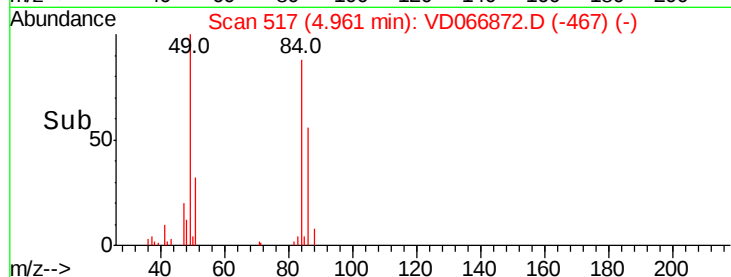


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.673 ug/l

RT: 6.33 min Scan# 750

Delta R.T. 0.03 min

Lab File: VD066872.D

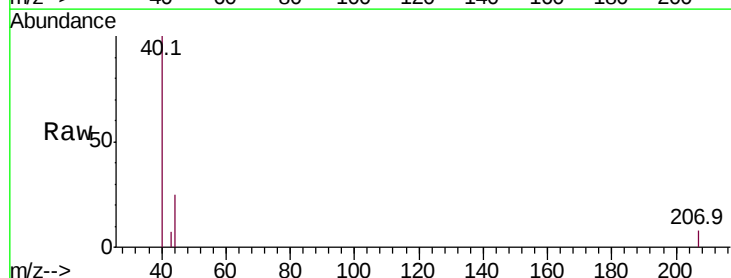
Acq: 25 Sep 2020 14:21

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

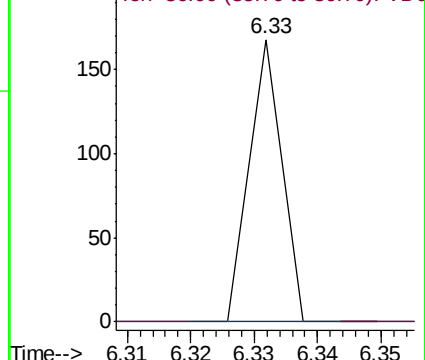
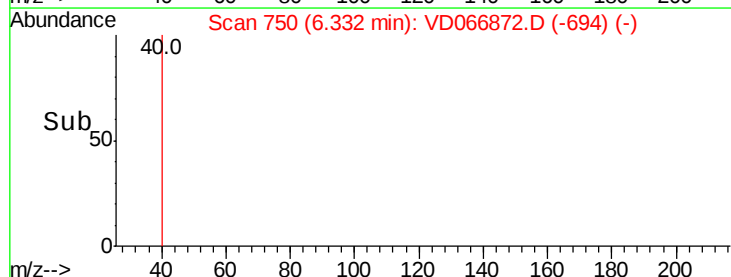
43 100

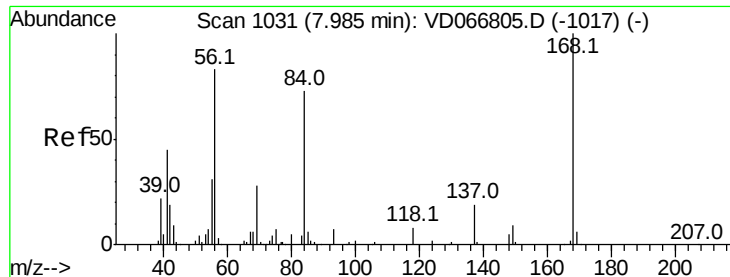
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

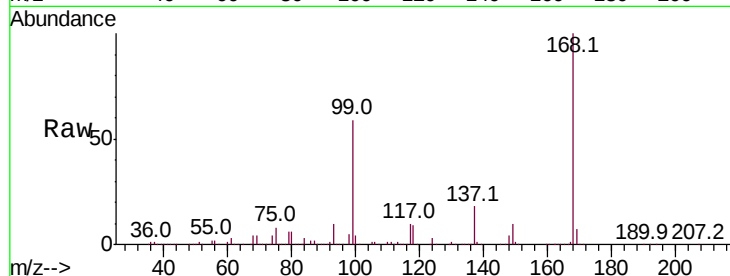




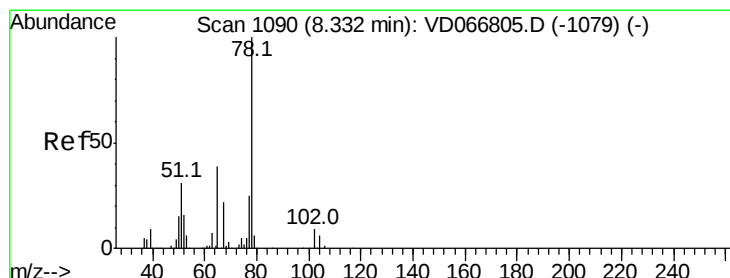
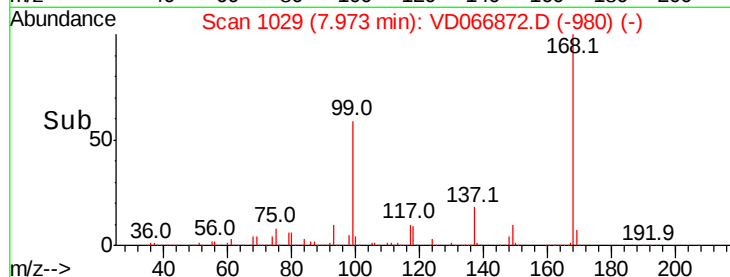
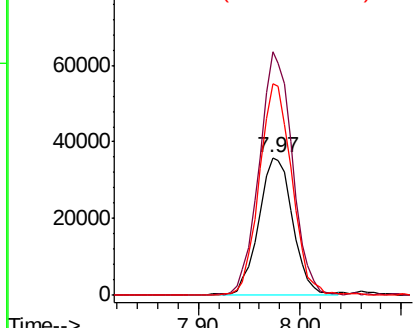
#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066872.D
Acq: 25 Sep 2020 14:21

Instrument :
MSVOA_D
ClientSampleID :
D-84

Tot Ion: 56 Resp: 84037
Ion Ratio Lower Upper
56 100
69 176.9 27.0 40.4#
84 153.9 70.2 105.4#

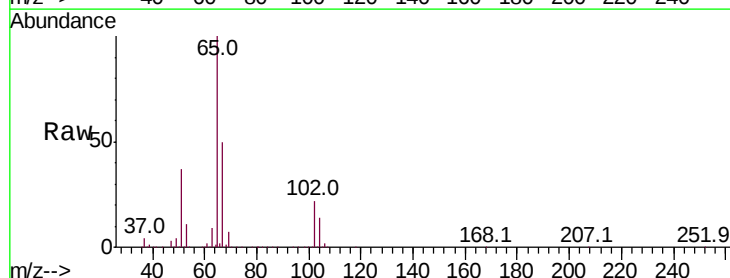


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

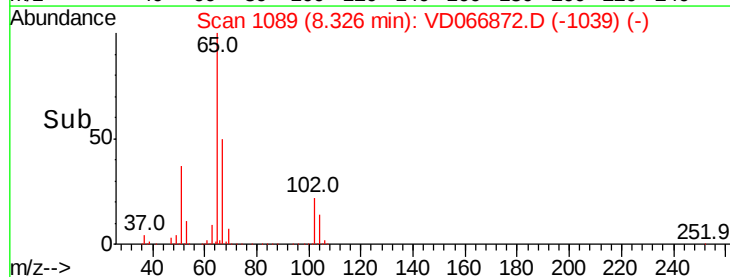
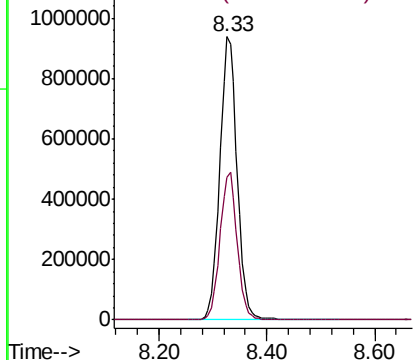


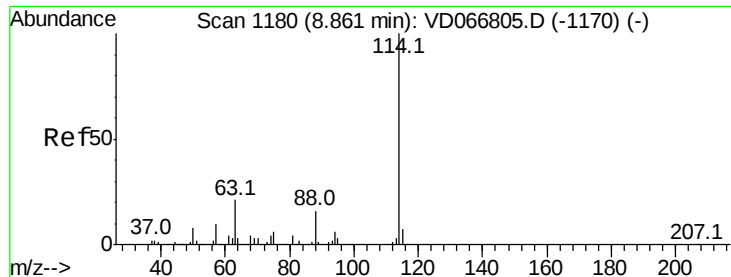
#33
1,2-Dichloroethane-d4
Concen: 52.401 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066872.D
Acq: 25 Sep 2020 14:21

Tgt Ion: 65 Resp: 2125487
Ion Ratio Lower Upper
65 100
67 51.7 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: VD066872.D

Acq: 25 Sep 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

D-84

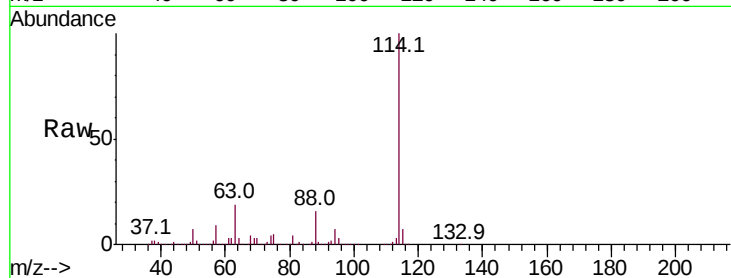
Tot Ion:114 Resp: 6982942

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.6
88	15.9	0.0	32.6

114 100

63 19.2 0.0 42.6

88 15.9 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

8.86

4000000

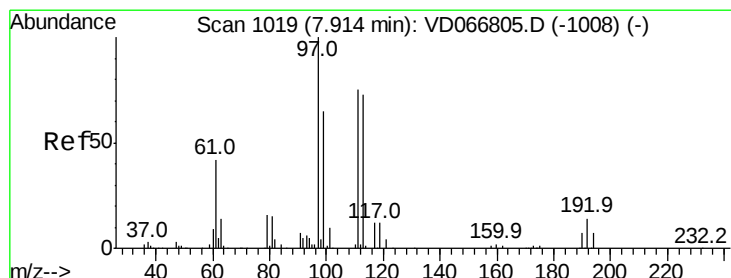
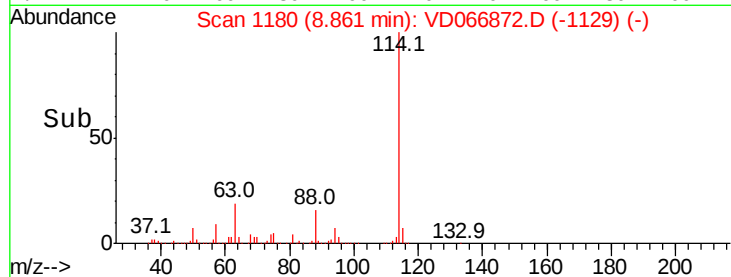
3000000

2000000

1000000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#35

Dibromofluoromethane

Concen: 49.676 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066872.D

Acq: 25 Sep 2020 14:21

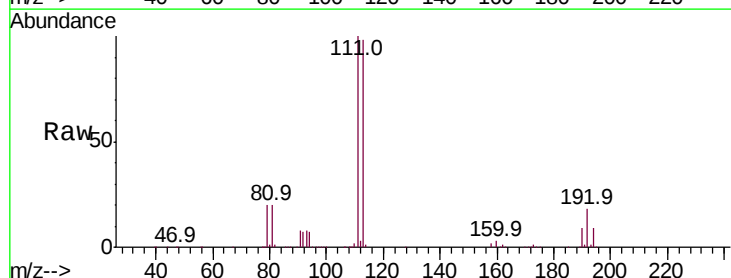
Tgt Ion:113 Resp: 2206888

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	18.5	14.4	21.6

113 100

111 102.2 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

7.91

1200000

1000000

800000

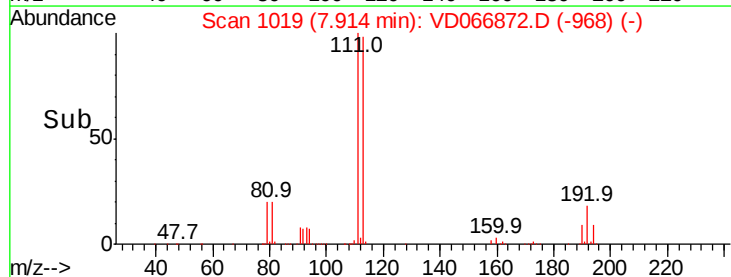
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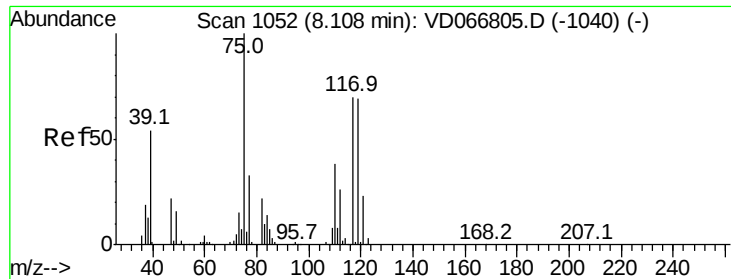
400000

200000

0

Time--> 7.80 7.90 8.00 8.10

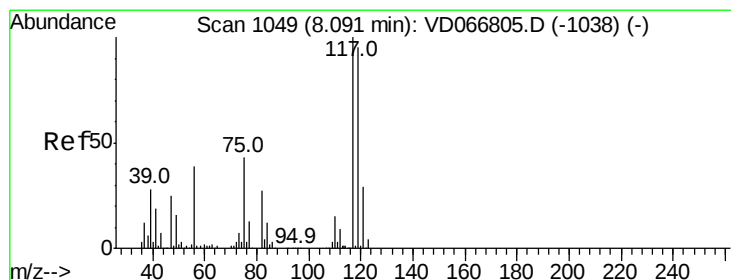
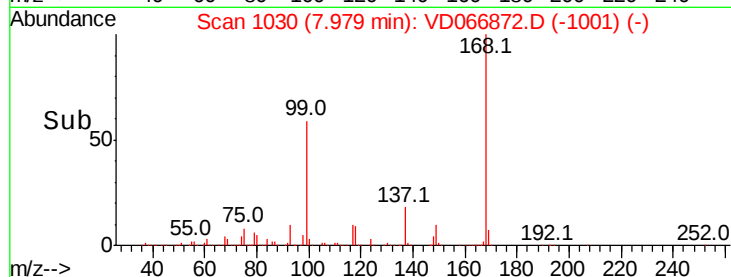
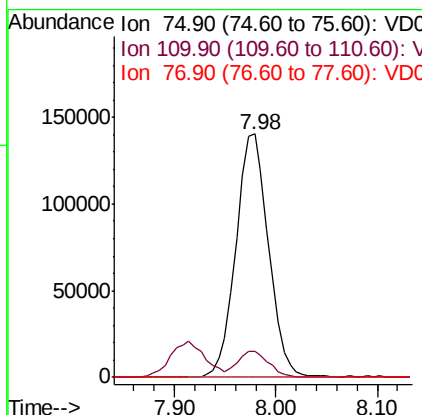
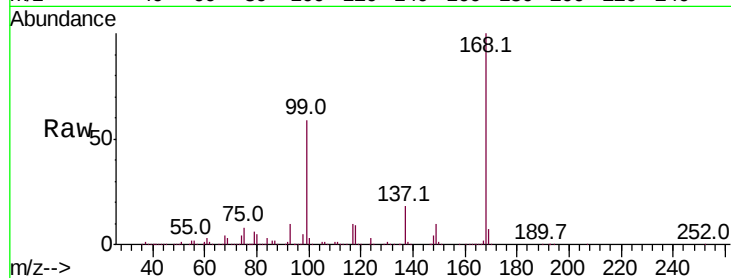




#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066872.D
 Acq: 25 Sep 2020 14:21

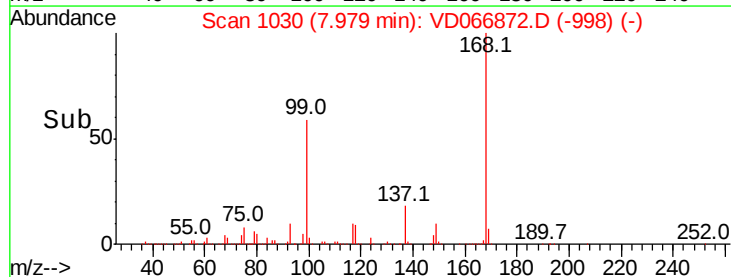
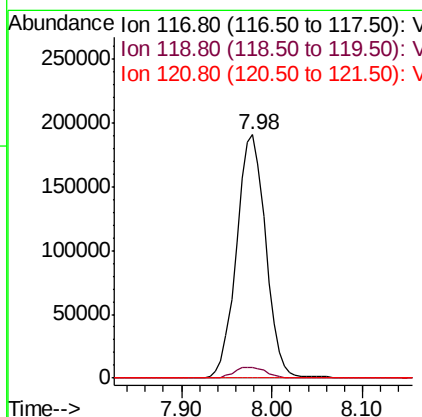
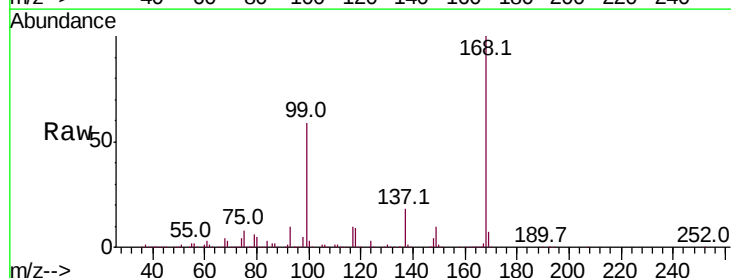
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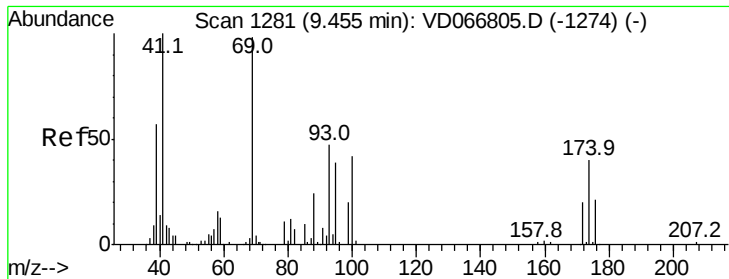
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.9	53.8#
77	0.1	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.658 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066872.D
 Acq: 25 Sep 2020 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.8	113.8#
121	0.0	23.4	35.0#

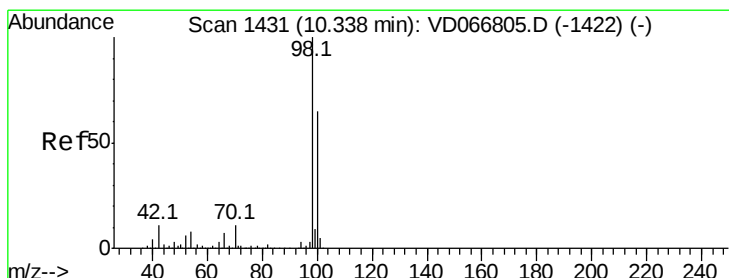
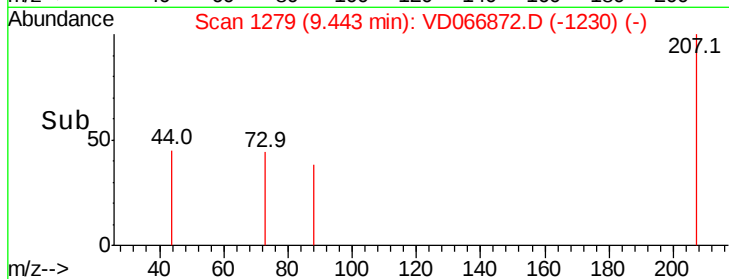
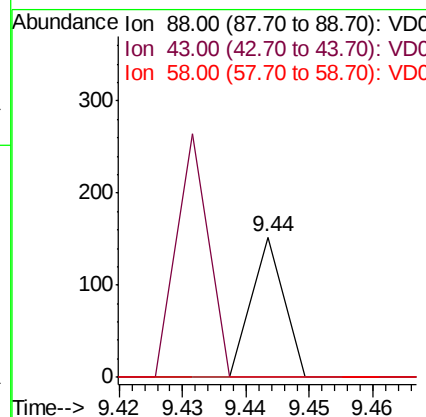
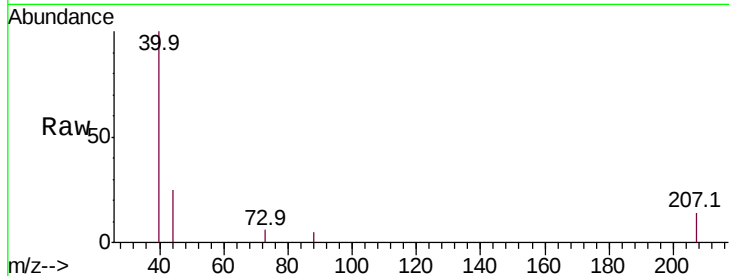




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.44 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD066872.D
Acq: 25 Sep 2020 14:21

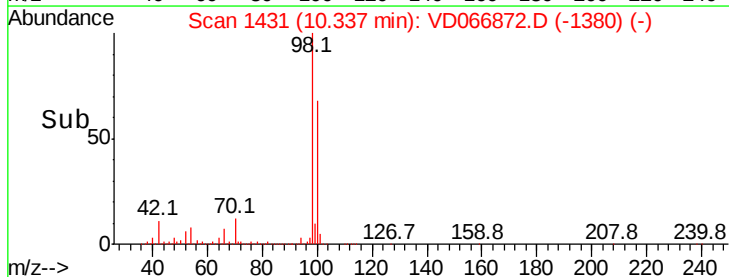
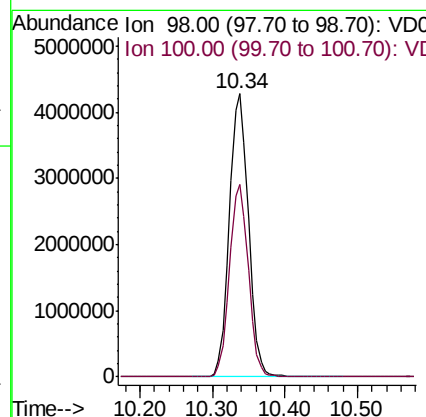
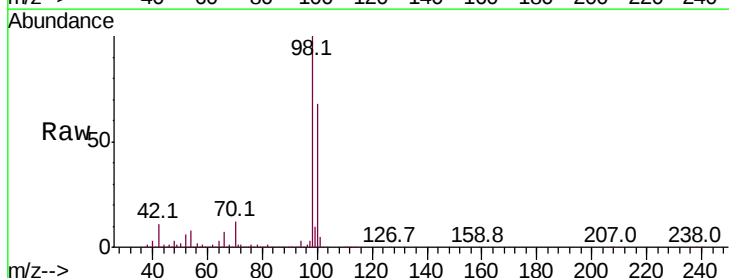
Instrument :
MSVOA_D
ClientSampleId :
D-84

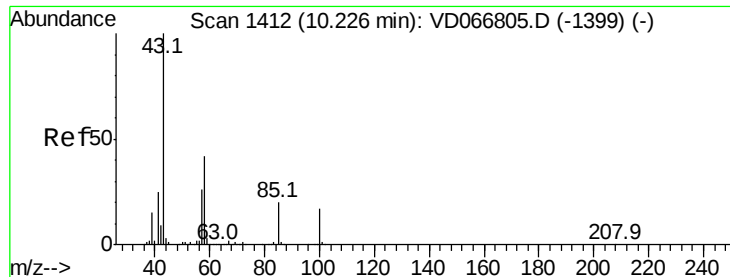
Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 172.2 27.7 41.5#
58 0.0 55.5 83.3#



#50
Toluene-d8
Concen: 51.831 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066872.D
Acq: 25 Sep 2020 14:21

Tgt Ion: 98 Resp: 7845407
Ion Ratio Lower Upper
98 100
100 67.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.244 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066872.D

Acq: 25 Sep 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

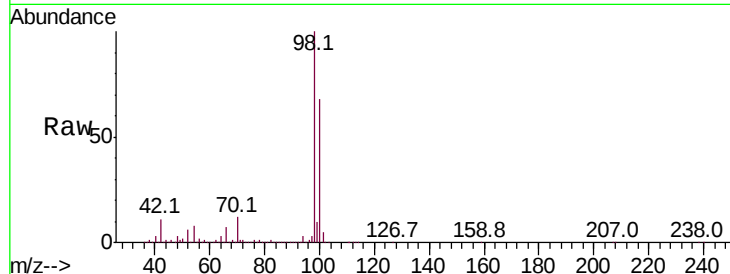
D-84

Tot Ion: 43 Resp: 30431

Ion Ratio Lower Upper

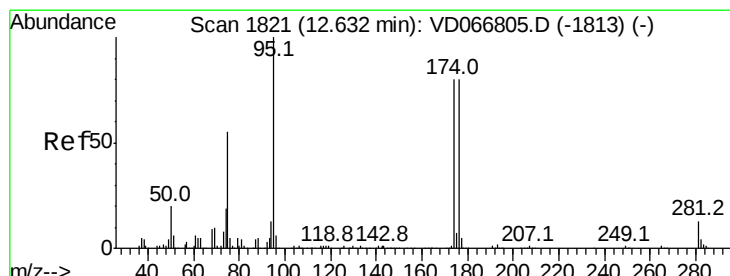
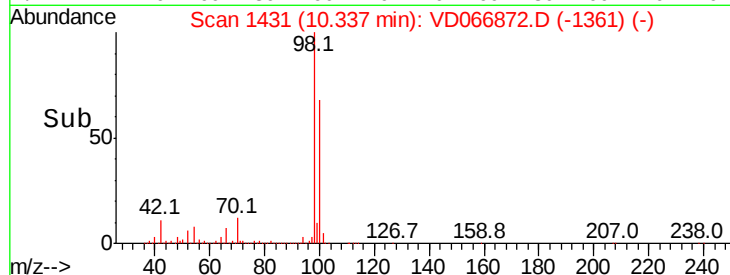
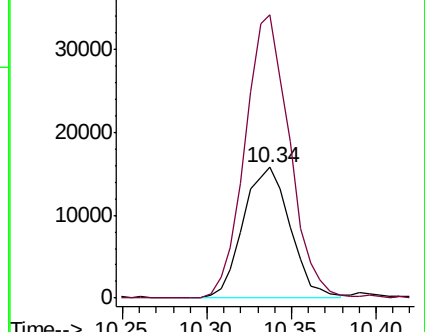
43 100

58 206.0 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: 50.871 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066872.D

Acq: 25 Sep 2020 14:21

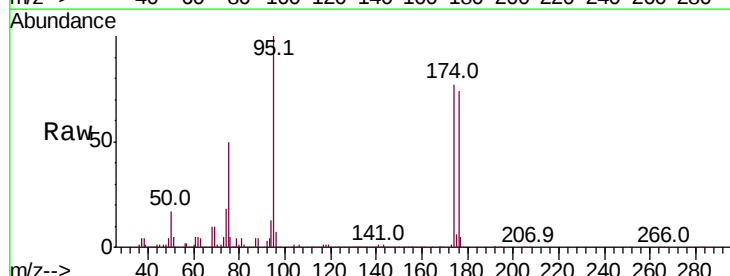
Tgt Ion: 95 Resp: 2636025

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.8

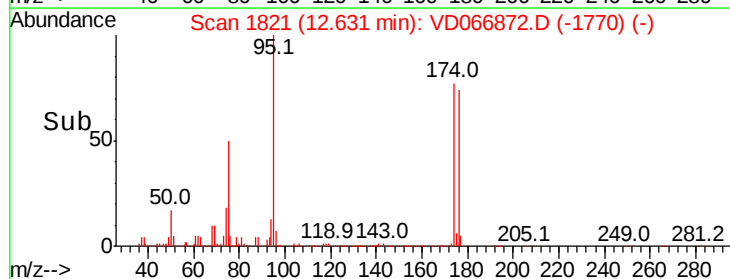
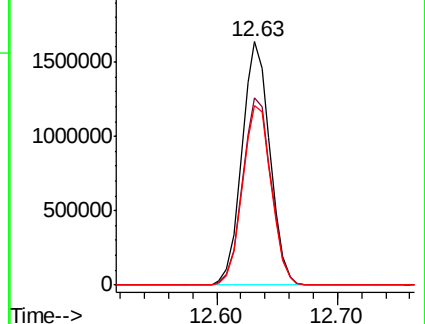
176 76.4 0.0 154.4

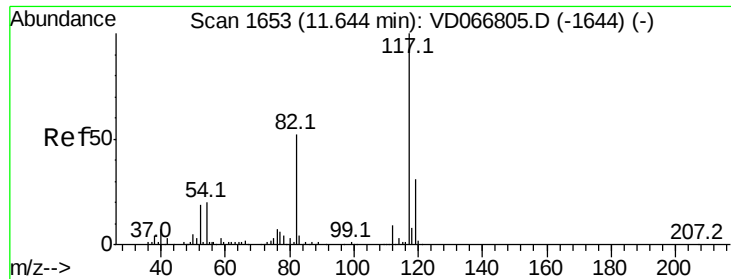


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

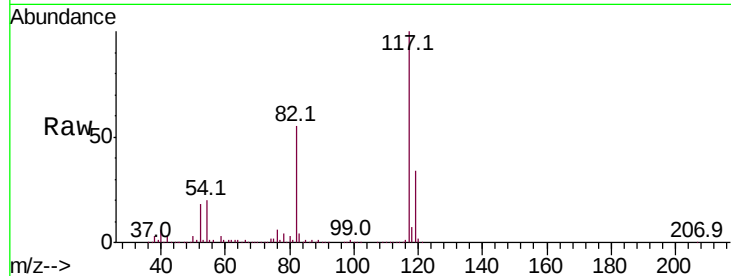




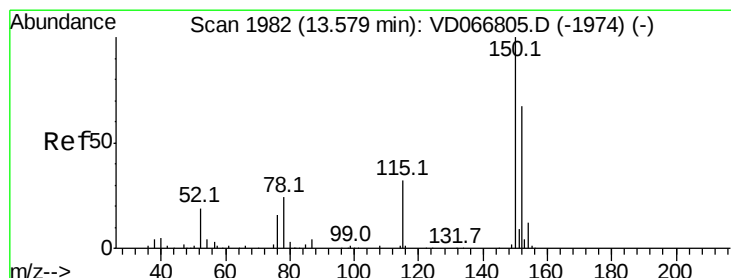
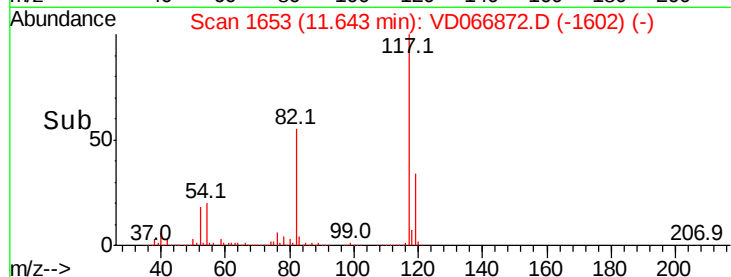
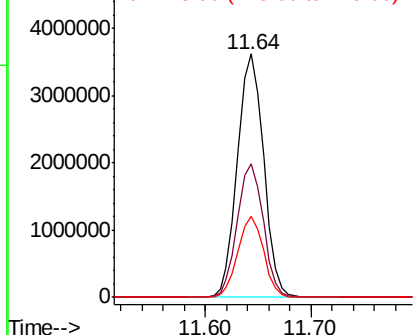
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066872.D
Acq: 25 Sep 2020 14:21

Instrument :
MSVOA_D
ClientSampleId :
D-84

Tot Ion:117 Resp: 6247656
Ion Ratio Lower Upper
117 100
82 55.1 41.8 62.6
119 33.6 24.6 37.0

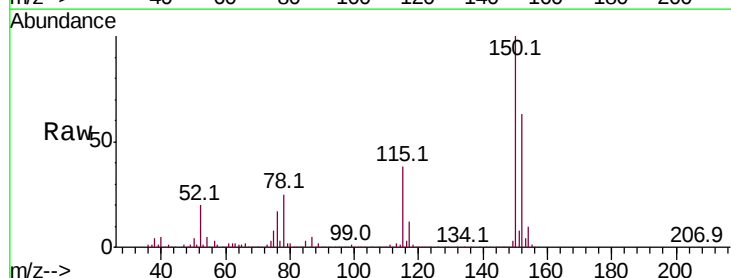


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

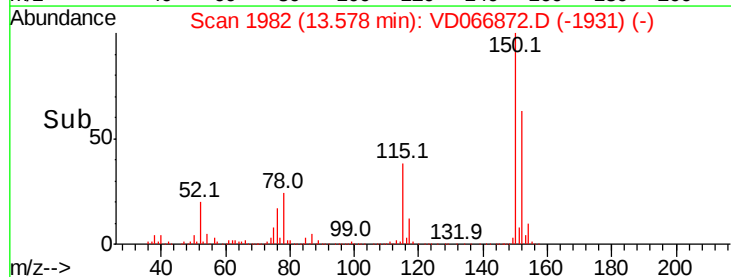
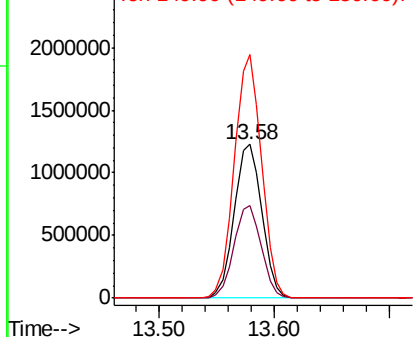


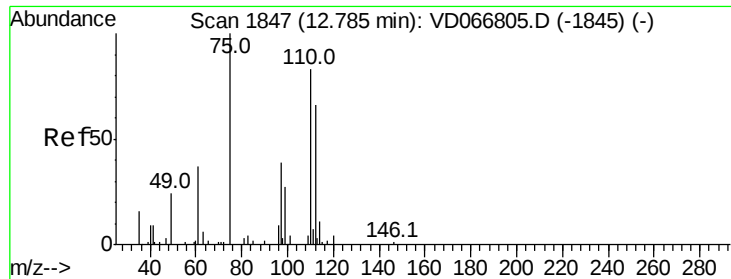
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066872.D
Acq: 25 Sep 2020 14:21

Tgt Ion:152 Resp: 2030331
Ion Ratio Lower Upper
152 100
115 59.8 30.3 91.0
150 156.0 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: 79.582 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066872.D

Acq: 25 Sep 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

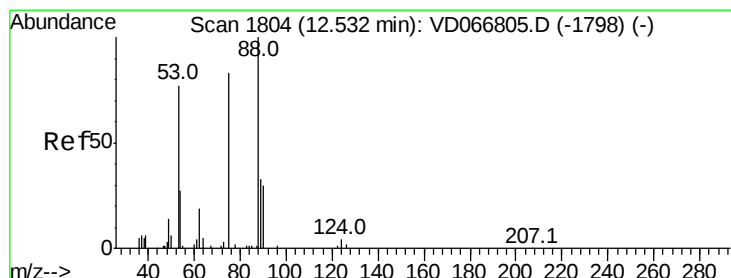
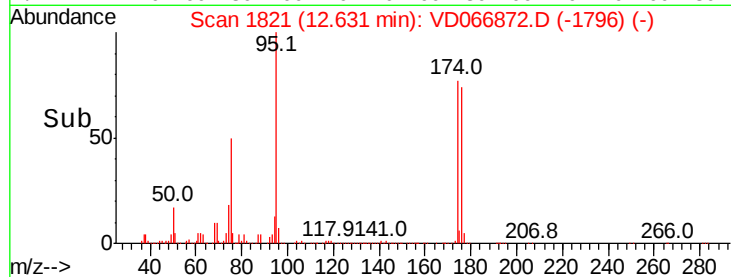
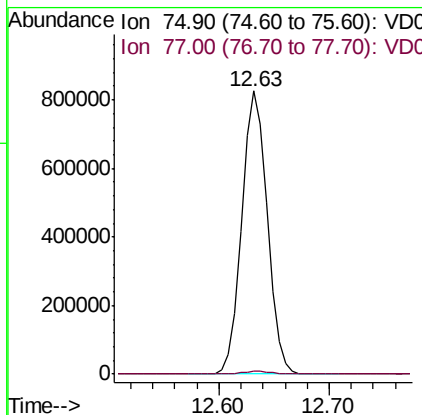
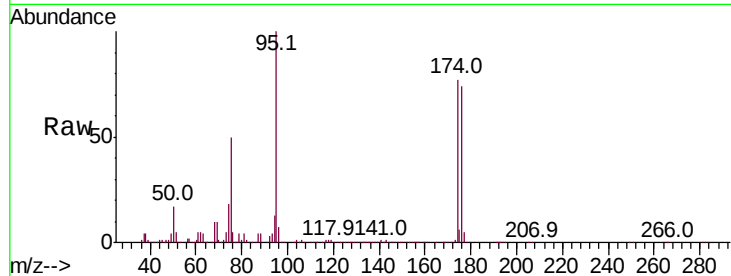
D-84

Tot Ion: 75 Resp: 1339033

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 199.108 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066872.D

Acq: 25 Sep 2020 14:21

Tgt Ion: 75 Resp: 1339033

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#

