

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066897.D
 Acq On : 26 Sep 2020 03:33
 Operator : VA/SY
 Sample : L4154-07
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(12-14)

Quant Time: Sep 26 06:40:01 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	476219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	795740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	795862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361906	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	227154	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	7.91	113	243292	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	10.34	98	961121	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.63	95	343065	58.10	ug/l	0.00
Spiked Amount			Recovery	=	116.20%	

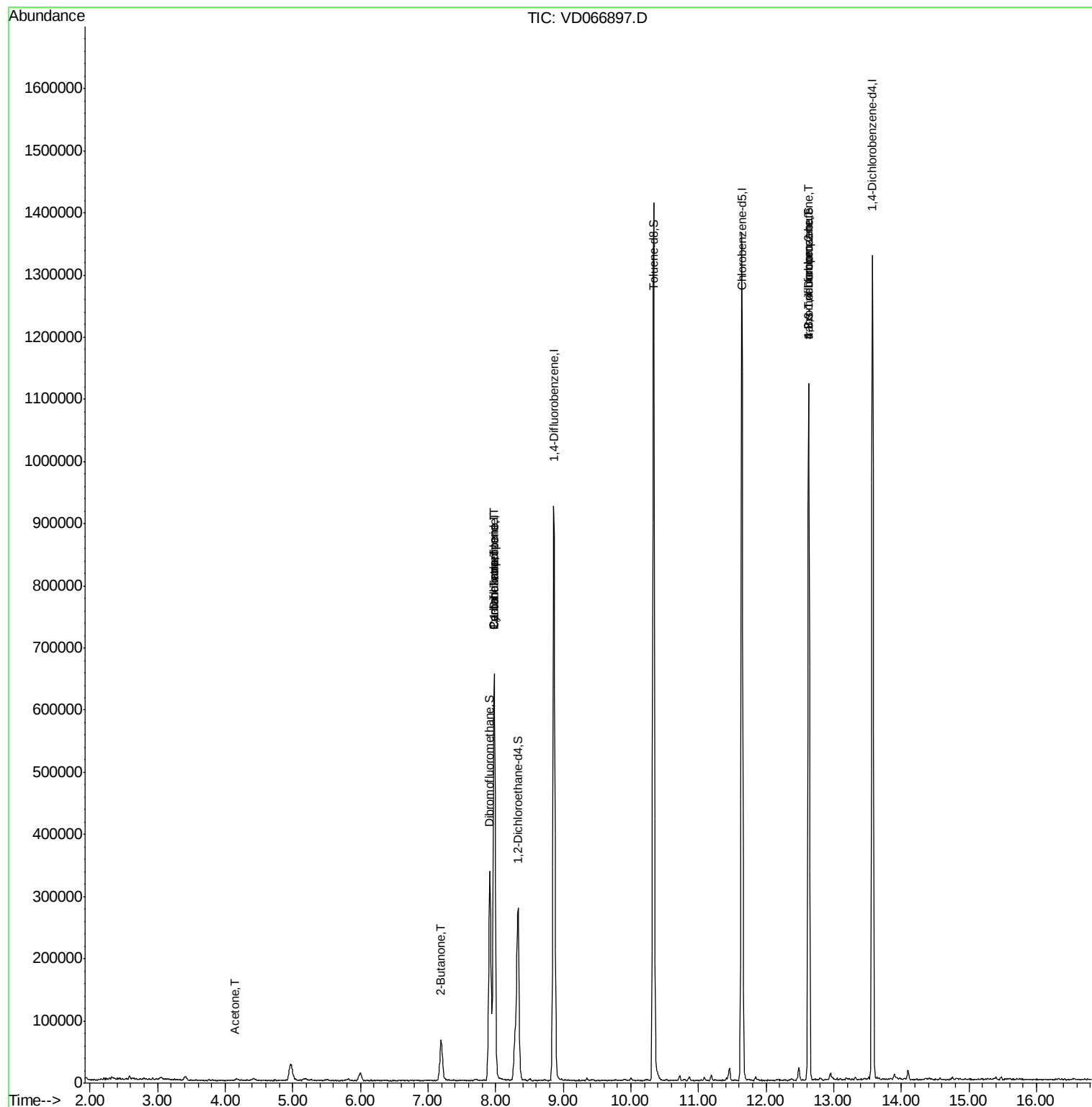
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	1043	Below Cal	#	46
11) Tert butyl alcohol	5.17	59	2129	Below Cal	#	72
16) Acetone	4.15	43	5380	5.441	ug/l #	73
18) Methyl Acetate	4.75	43	173	Below Cal	#	50
20) Methylene Chloride	4.97	84	22560	Below Cal		90
25) 2-Butanone	7.18	43	1409	1.186	ug/l #	48
31) Cyclohexane	7.98	56	10863	1.282	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	39156	4.960	ug/l #	48
38) Carbon Tetrachloride	7.98	117	49410	5.725	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	181134	60.394	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	181134	151.101	ug/l #	10

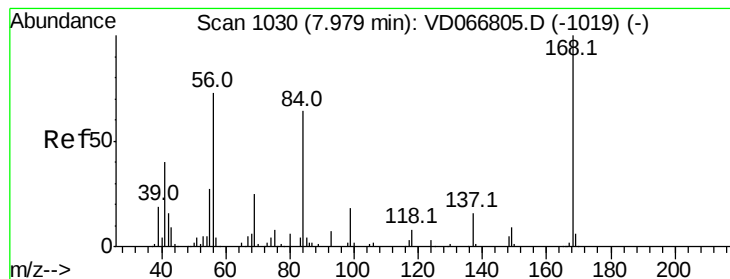
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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Quant Time: Sep 26 06:40:01 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: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

Instrument :

MSVOA_D

ClientSampleId :

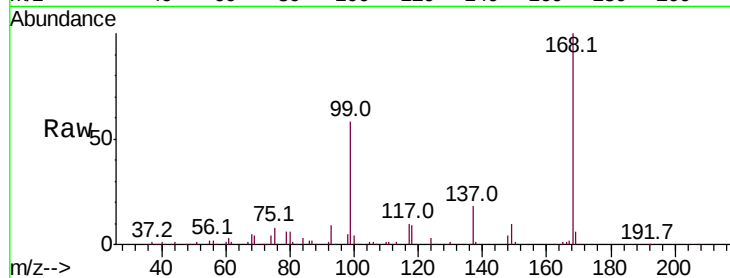
B-4(12-14)

Tot Ion:168 Resp: 476219

Ion Ratio Lower Upper

168 100

99 57.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

250000 Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

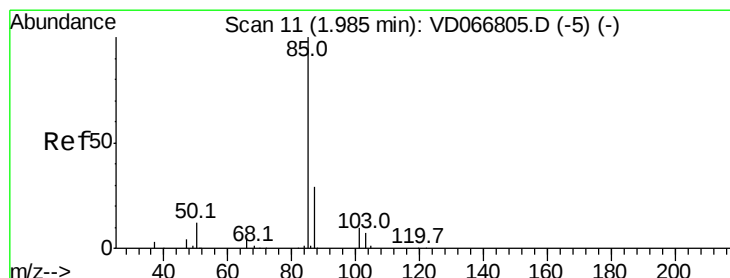
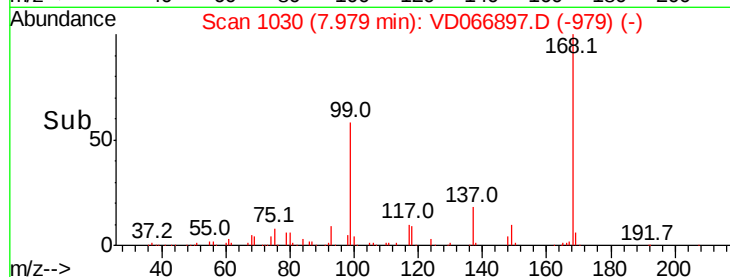
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066897.D

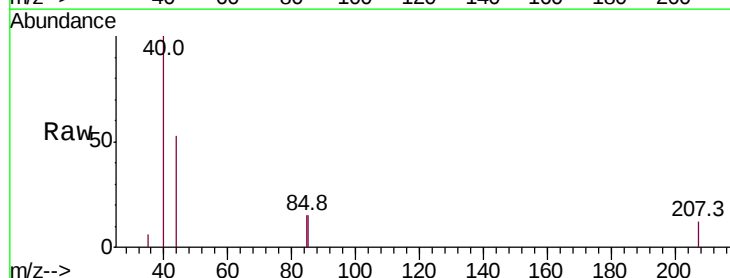
Acq: 26 Sep 2020 03:33

Tgt Ion: 85 Resp: 1043

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

1000 Ion 86.90 (86.60 to 87.60): VDC

800

600

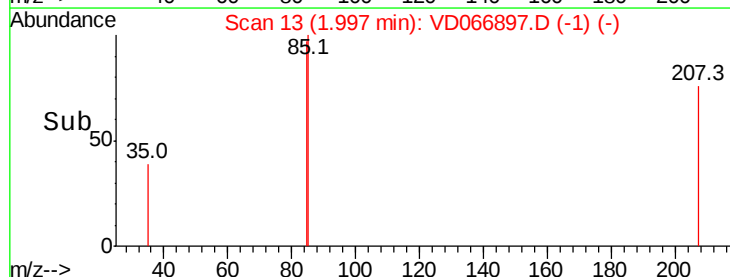
400

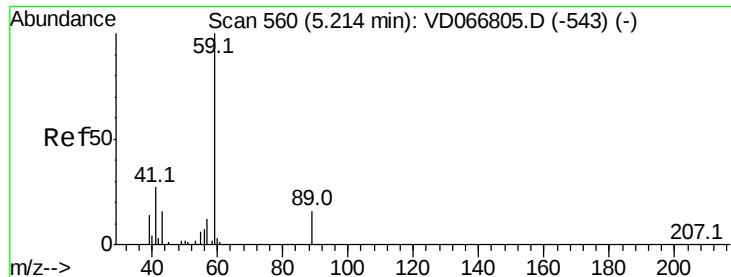
200

0

Time-->

1.94 1.96 1.98 2.00 2.02

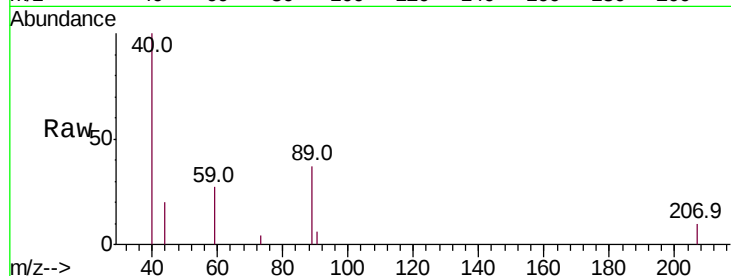




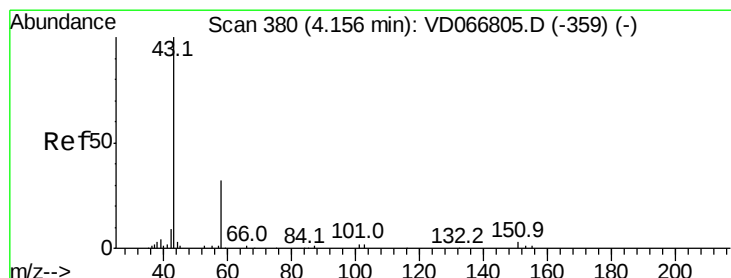
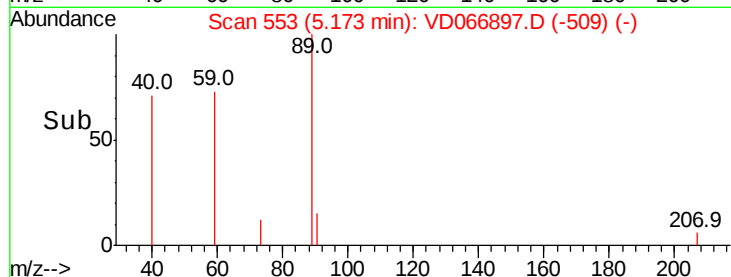
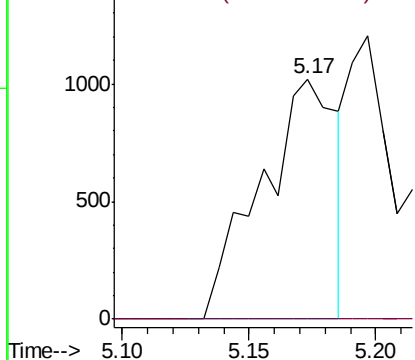
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 553
Delta R.T. -0.04 min
Lab File: VD066897.D
Acq: 26 Sep 2020 03:33

Instrument :
MSVOA_D
ClientSampleId :
B-4(12-14)

Tot Ion: 59 Resp: 2129
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

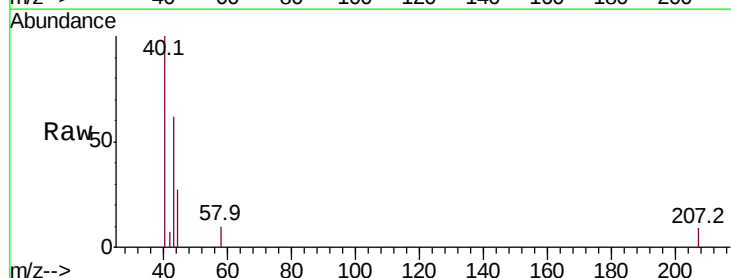


Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC

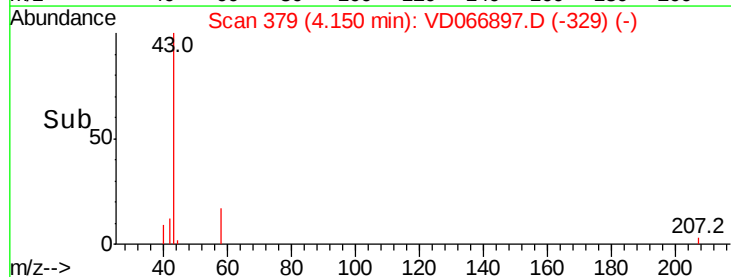
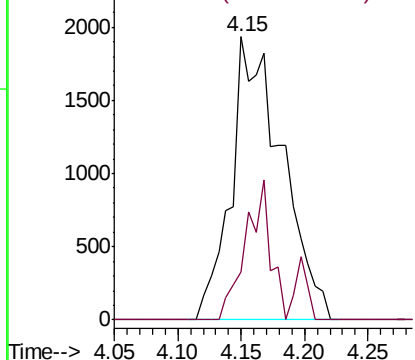


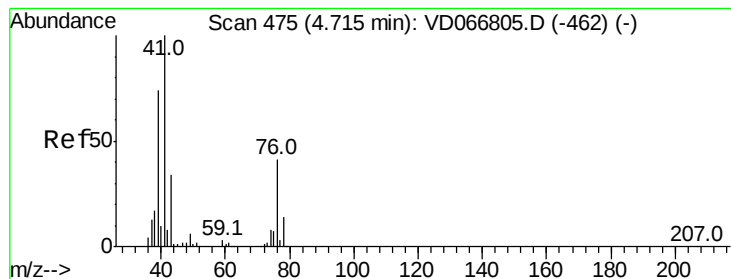
#16
Acetone
Concen: 5.441 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066897.D
Acq: 26 Sep 2020 03:33

Tgt Ion: 43 Resp: 5380
Ion Ratio Lower Upper
43 100
58 16.7 25.6 38.4#



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





#18

Methyl Acetate

Concen: Below Cal

RT: 4.75 min Scan# 481

Delta R.T. 0.04 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

Instrument :

MSVOA_D

ClientSampleId :

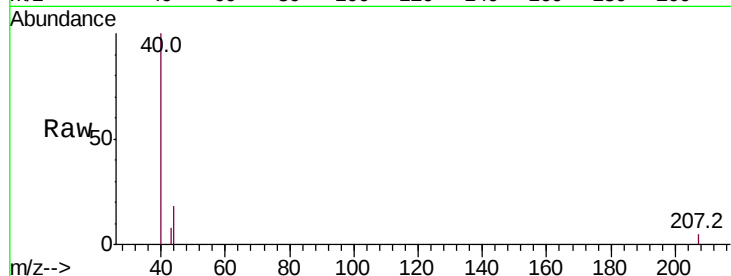
B-4(12-14)

Tot Ion: 43 Resp: 173

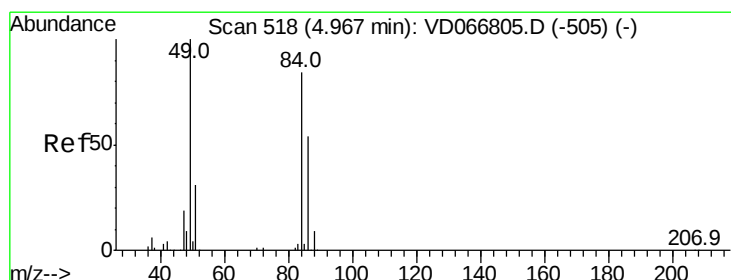
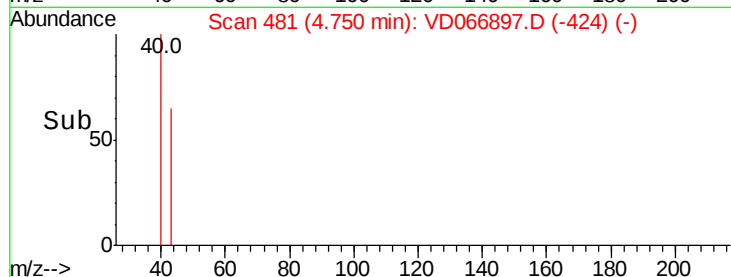
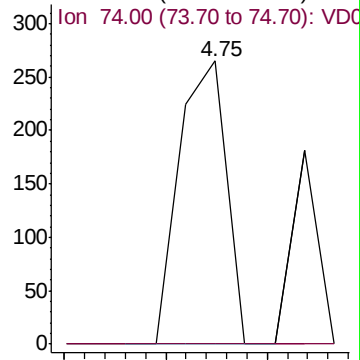
Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

Tgt Ion: 84 Resp: 22560

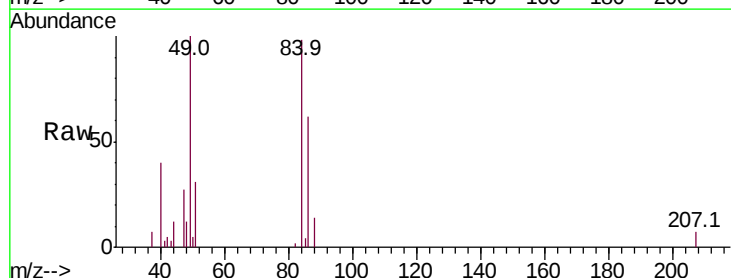
Ion Ratio Lower Upper

84 100

49 102.3 95.4 143.2

51 31.8 29.7 44.5

86 63.6 51.4 77.2

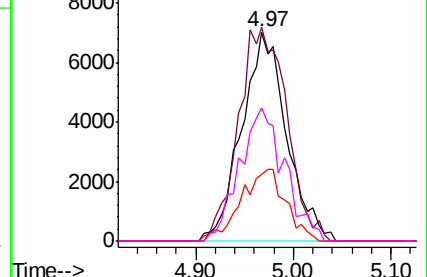
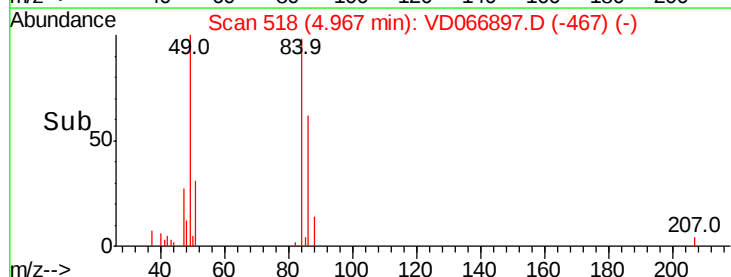


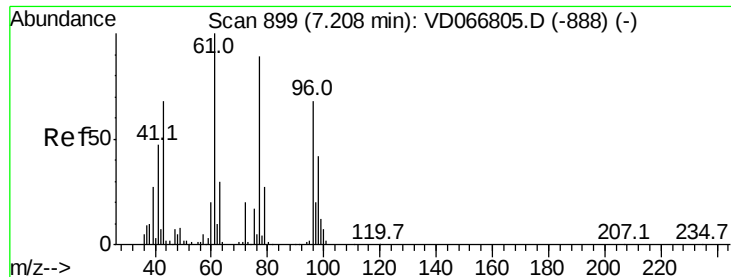
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.186 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.02 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

Instrument :

MSVOA_D

ClientSampleId :

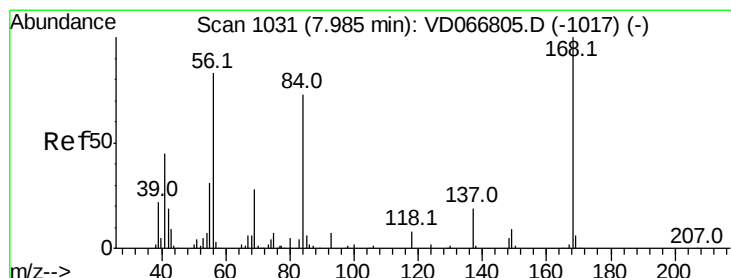
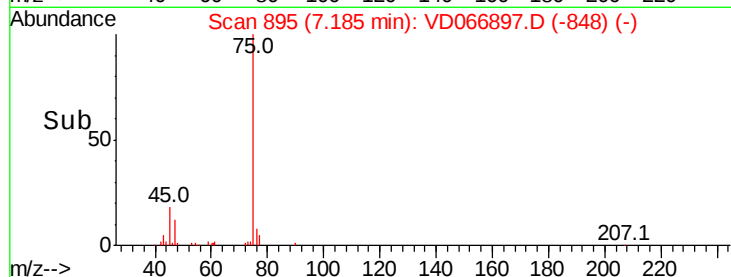
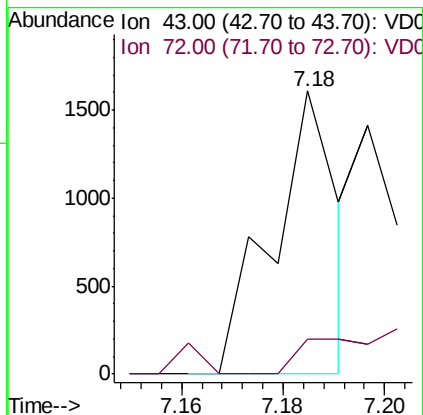
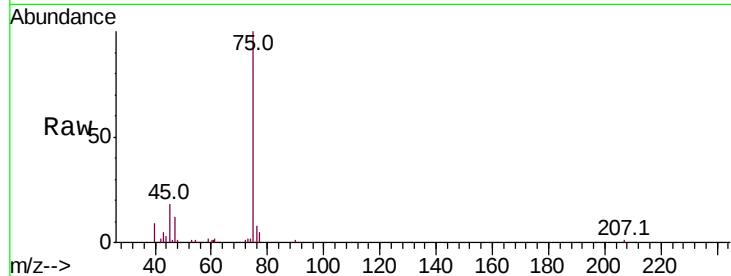
B-4(12-14)

Tot Ion: 43 Resp: 1409

Ion Ratio Lower Upper

43 100

72 1.2 22.9 34.3#



#31

Cyclohexane

Concen: 1.282 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

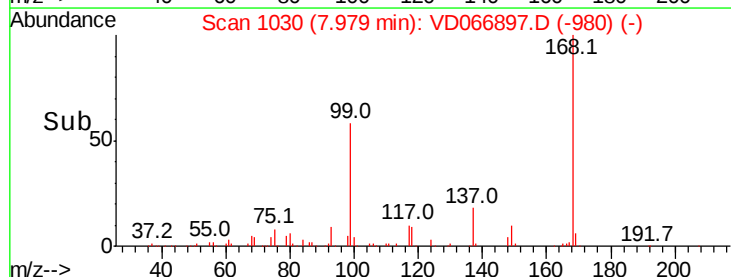
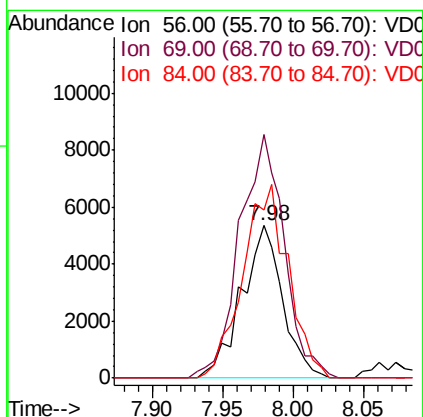
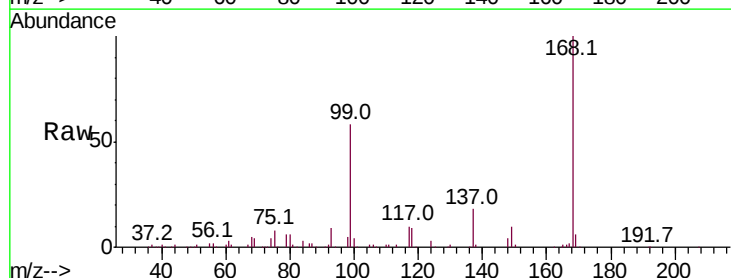
Tgt Ion: 56 Resp: 10863

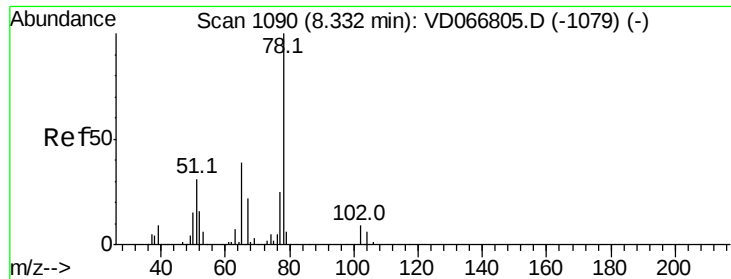
Ion Ratio Lower Upper

56 100

69 159.8 27.0 40.4#

84 110.0 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 48.735 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

Instrument :

MSVOA_D

ClientSampleId :

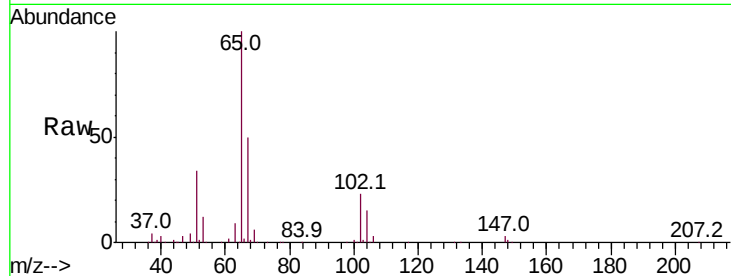
B-4(12-14)

Tot Ion: 65 Resp: 227154

Ion Ratio Lower Upper

65 100

67 51.8 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

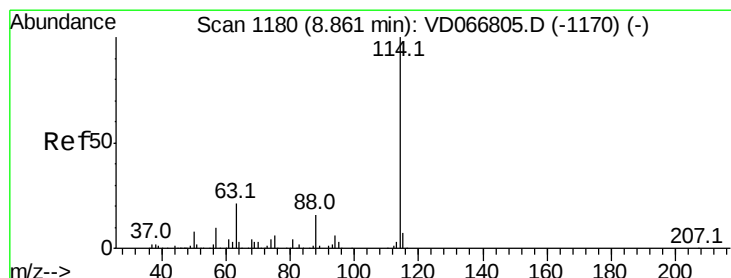
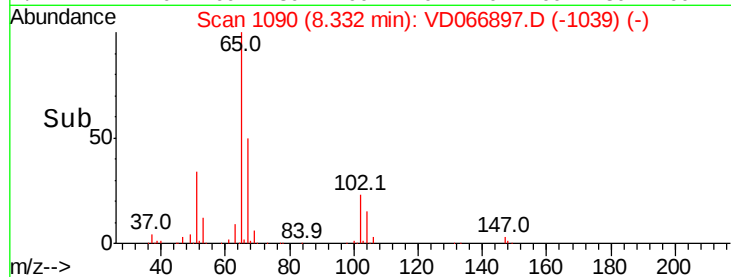
40000

20000

0

Time-->

8.20 8.30 8.40 8.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

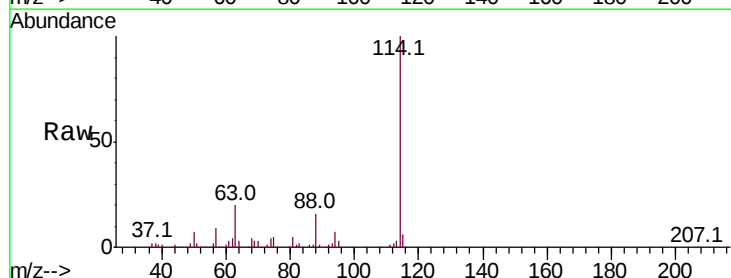
Tgt Ion: 114 Resp: 795740

Ion Ratio Lower Upper

114 100

63 19.6 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

500000

400000

300000

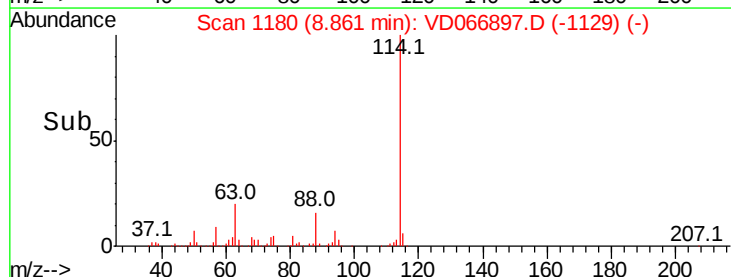
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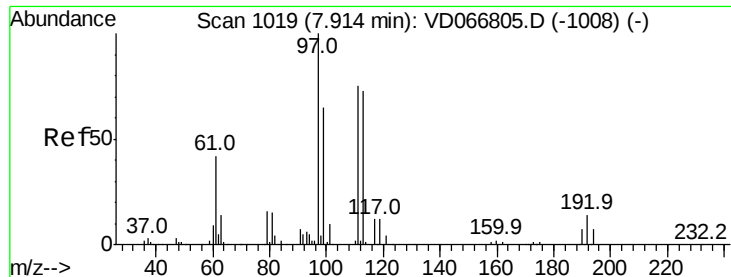
100000

0

Time-->

8.80 8.90

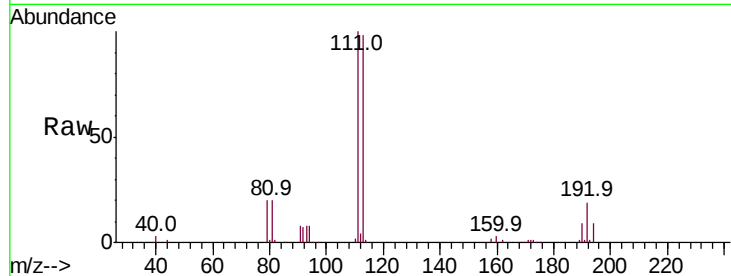




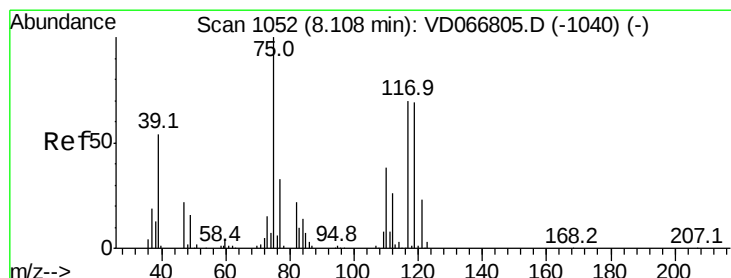
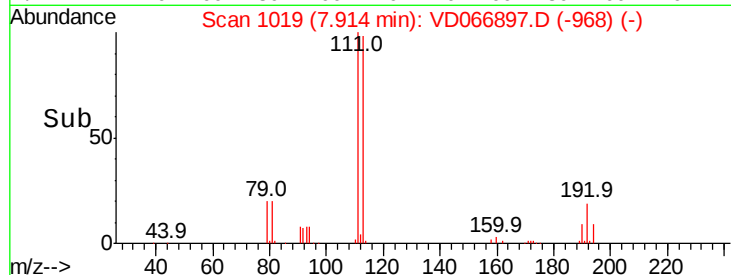
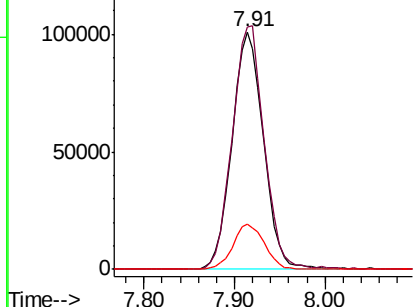
#35
 Dibromofluoromethane
 Concen: 48.058 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066897.D
 Acq: 26 Sep 2020 03:33

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(12-14)

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.8
192	19.1	14.4	21.6

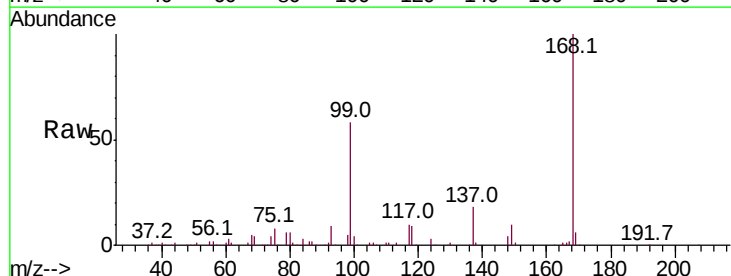


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

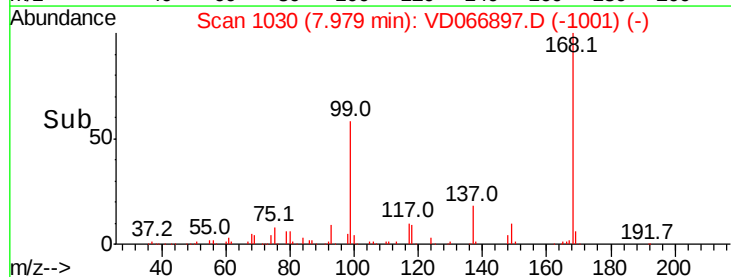
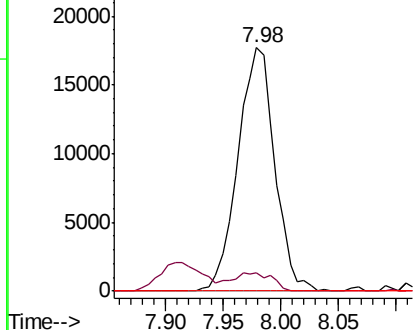


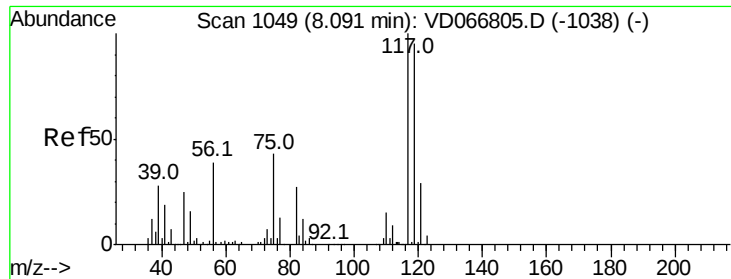
#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066897.D
 Acq: 26 Sep 2020 03:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.9	53.8#
77	0.0	25.0	37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.725 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

Instrument :

MSVOA_D

ClientSampleId :

B-4(12-14)

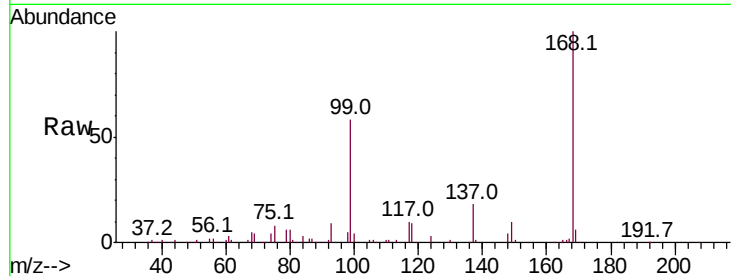
Tot Ion:117 Resp: 49410

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

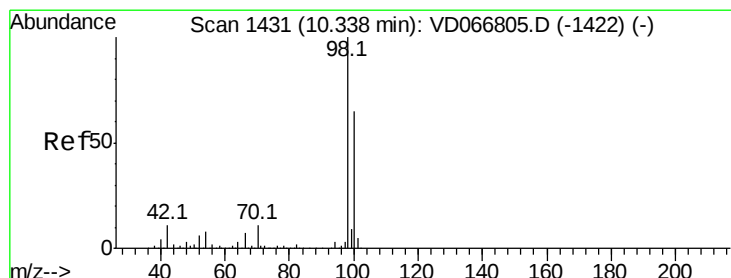
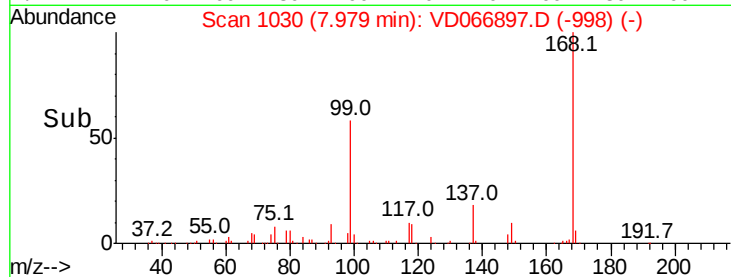
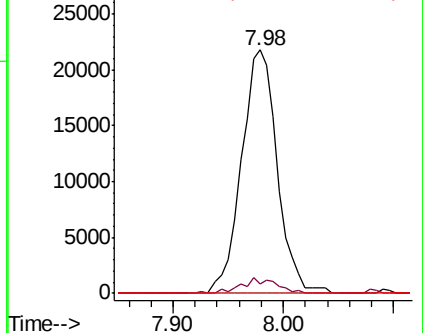
121 0.0 23.4 35.0#



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: 55.721 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066897.D

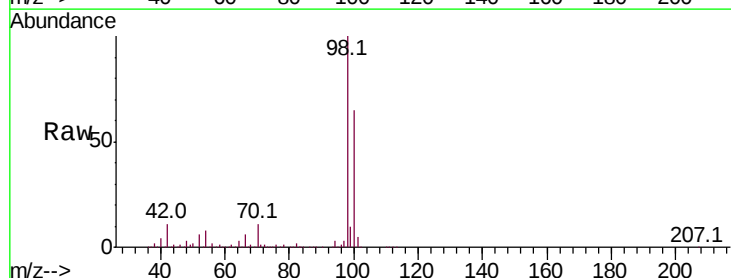
Acq: 26 Sep 2020 03:33

Tgt Ion: 98 Resp: 961121

Ion Ratio Lower Upper

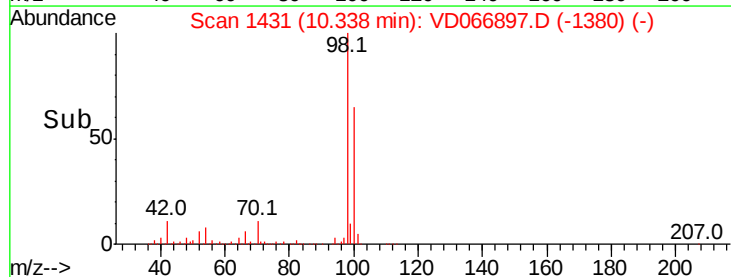
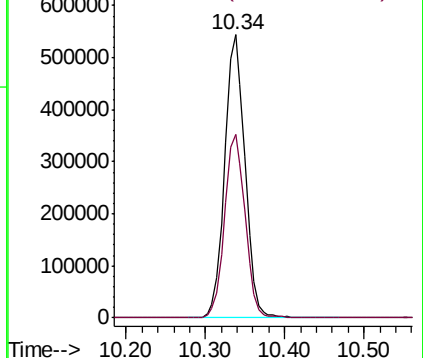
98 100

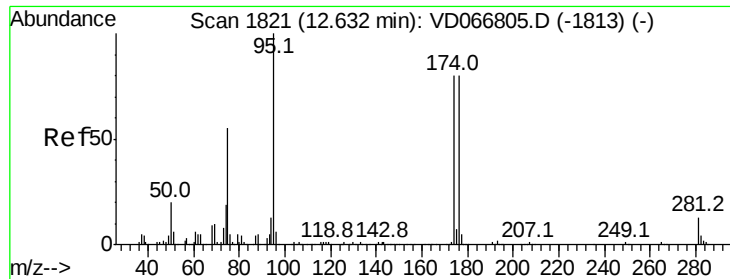
100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

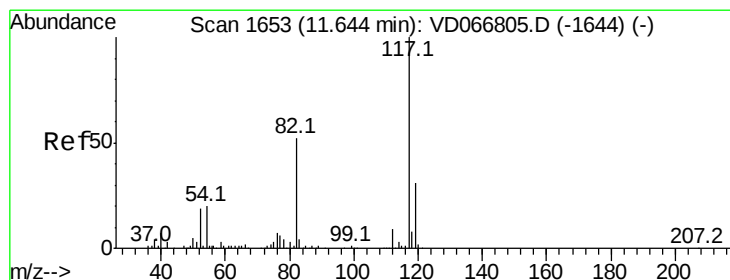
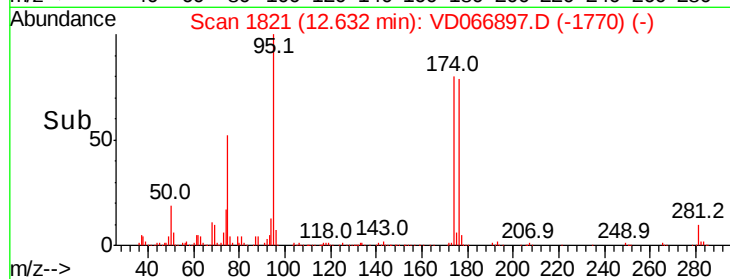
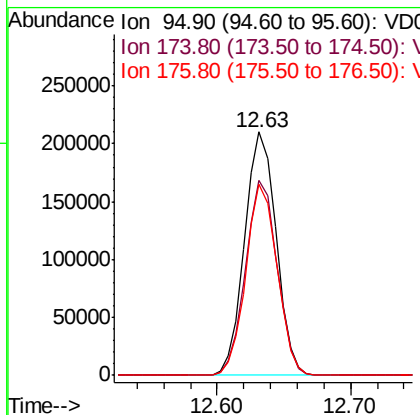
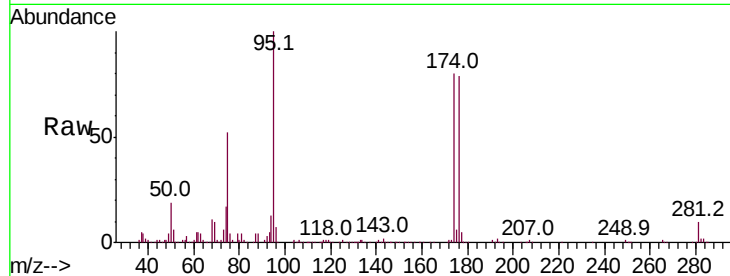




#62
4-Bromofluorobenzene
Concen: 58.099 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066897.D
Acq: 26 Sep 2020 03:33

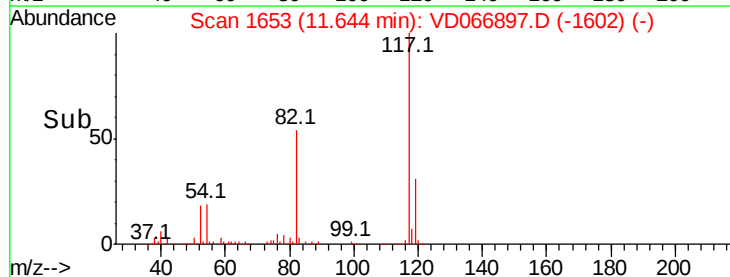
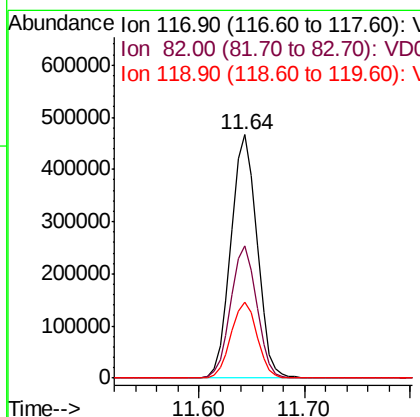
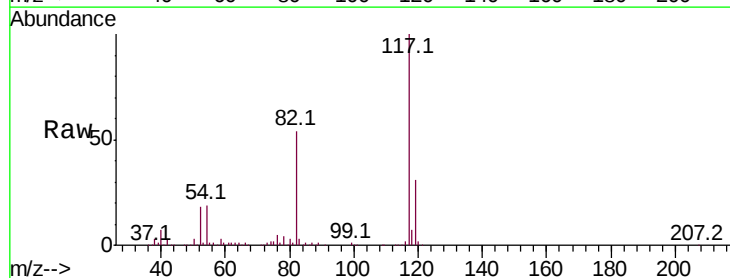
Instrument :
MSVOA_D
ClientSampleId :
B-4(12-14)

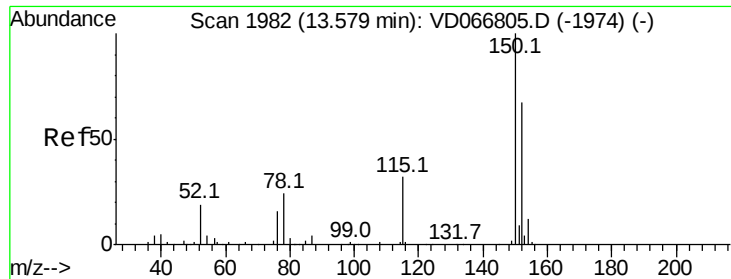
Tot Ion	95	Resp	343065
Ion Ratio	Lower	Upper	
95	100		
174	80.1	0.0	159.8
176	77.7	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066897.D
Acq: 26 Sep 2020 03:33

Tgt Ion	117	Resp	795862
Ion Ratio	Lower	Upper	
117	100		
82	54.2	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: VD066897.D

Acq: 26 Sep 2020 03:33

Instrument :

MSVOA_D

ClientSampleId :

B-4(12-14)

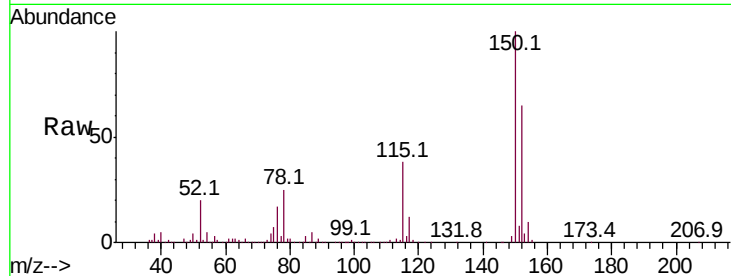
Tot Ion:152 Resp: 361906

Ion Ratio Lower Upper

152 100

115 59.4 30.3 91.0

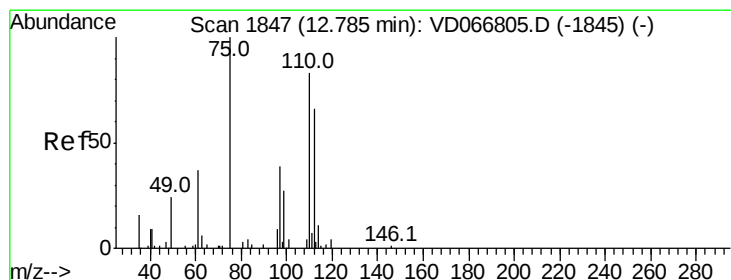
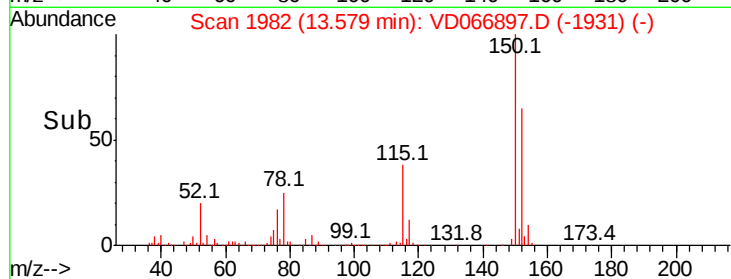
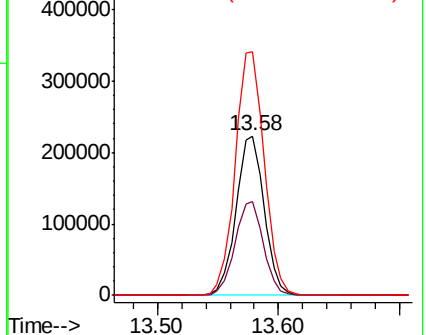
150 157.8 0.0 346.2



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: 60.394 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066897.D

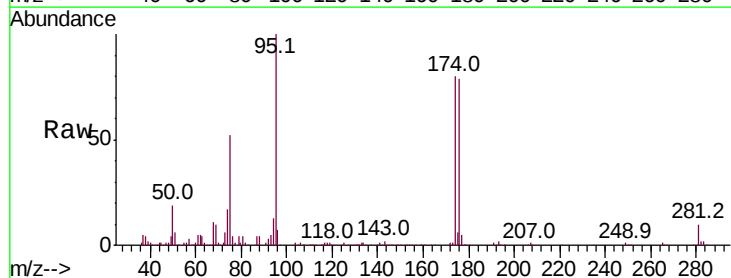
Acq: 26 Sep 2020 03:33

Tgt Ion: 75 Resp: 181134

Ion Ratio Lower Upper

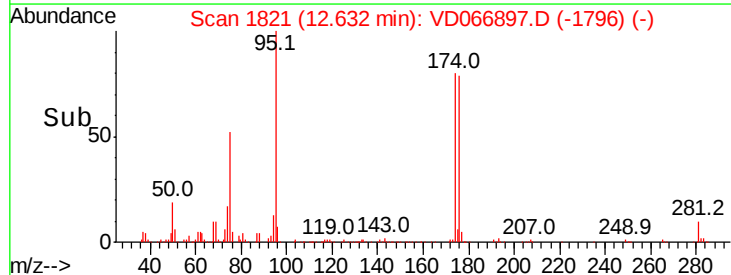
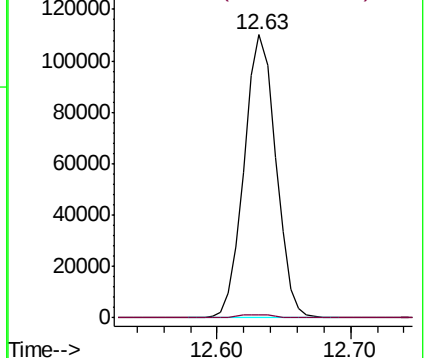
75 100

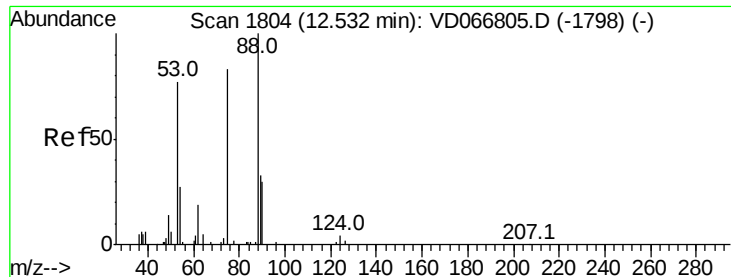
77 1.2 0.0 0.0#



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: 151.101 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066897.D

Acq: 26 Sep 2020 03:33

Instrument :

MSVOA_D

ClientSampleId :

B-4(12-14)

Tot Ion: 75 Resp: 181134

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

