

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066791.D
 Acq On : 21 Sep 2020 19:05
 Operator : VA/SY
 Sample : L4048-05
 Misc : 4.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Q-1

Quant Time: Sep 22 00:56:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	382640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	708196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	682243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285894	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	226442	55.47	ug/l	0.00
Spiked Amount						
				Recovery	=	110.94%
35) Dibromofluoromethane	7.91	113	231978	53.43	ug/l	0.00
Spiked Amount						
				Recovery	=	106.86%
50) Toluene-d8	10.34	98	859117	55.54	ug/l	0.00
Spiked Amount						
				Recovery	=	111.08%
62) 4-Bromofluorobenzene	12.63	95	283450	53.08	ug/l	0.00
Spiked Amount						
				Recovery	=	106.16%

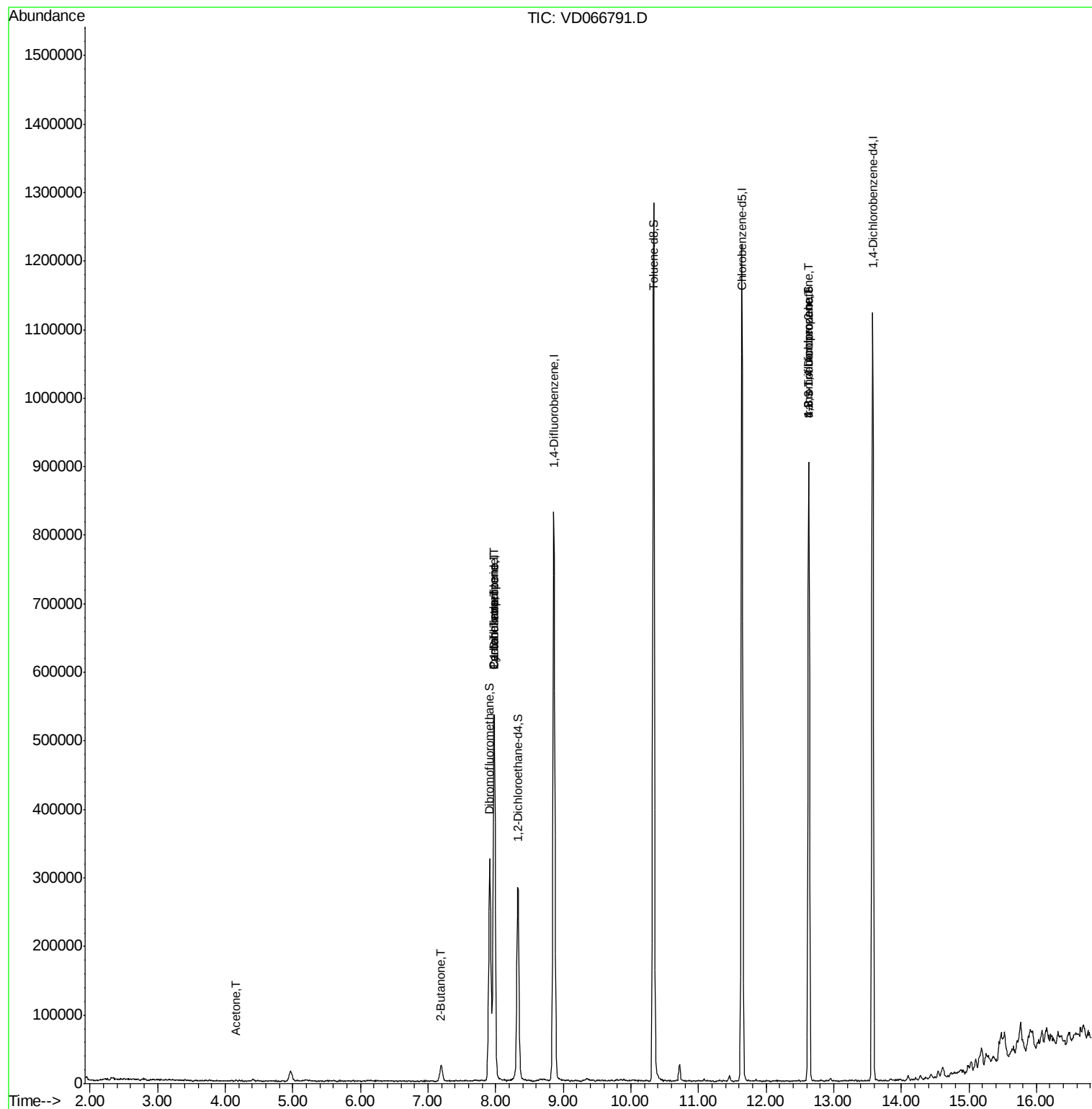
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	355	Below Cal		94
11) Tert butyl alcohol	5.19	59	1411	Below Cal	#	76
16) Acetone	4.16	43	1432	1.722	ug/l #	89
18) Methyl Acetate	4.73	43	59	Below Cal	#	52
20) Methylene Chloride	4.97	84	10873	Below Cal	#	85
25) 2-Butanone	7.20	43	1540	1.423	ug/l #	49
31) Cyclohexane	7.97	56	9633	1.336	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	34353	4.718	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42499	5.496	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	151203	61.788	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151203	133.349	ug/l #	8

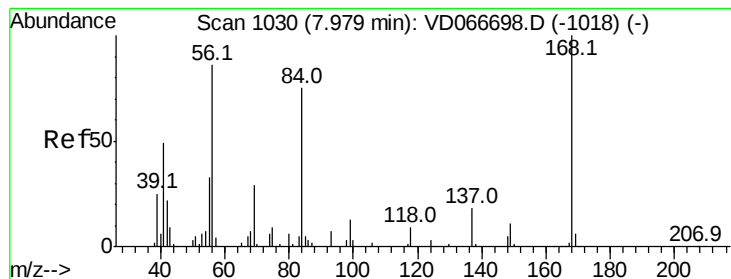
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092120\
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QLast Update : Tue Sep 15 16:35:37 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: VD066791.D

Acq: 21 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampled :

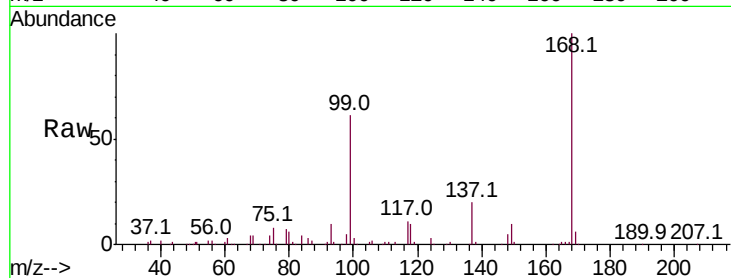
Q-1

Tot Ion:168 Resp: 382640

Ion Ratio Lower Upper

168 100

99 61.0 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

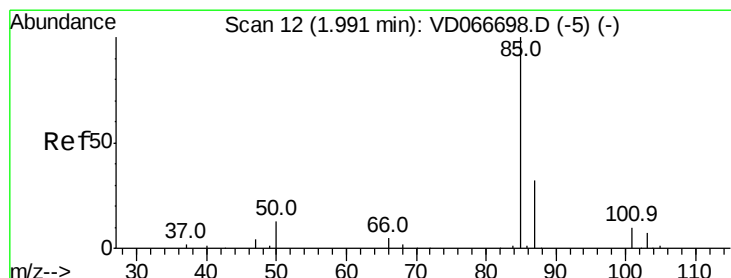
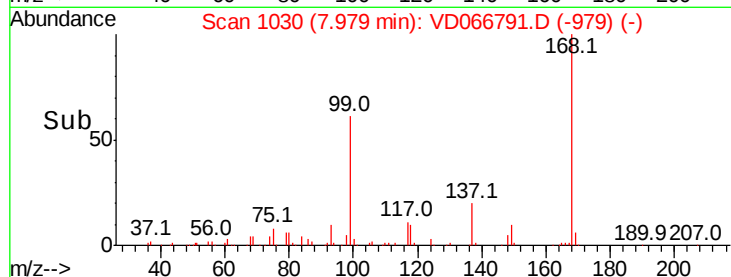
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066791.D

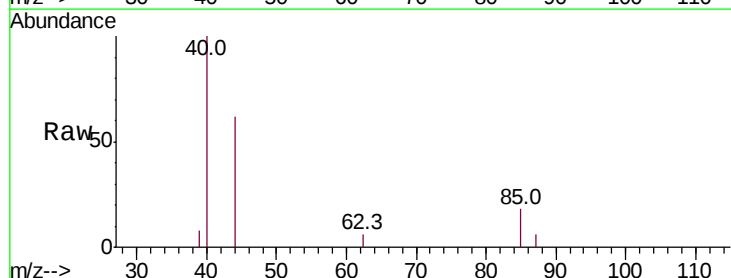
Acq: 21 Sep 2020 19:05

Tgt Ion: 85 Resp: 355

Ion Ratio Lower Upper

85 100

87 35.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

300

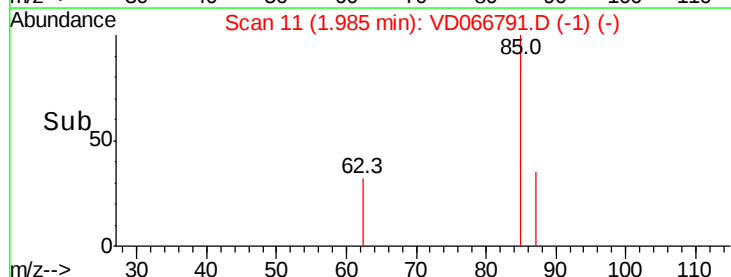
200

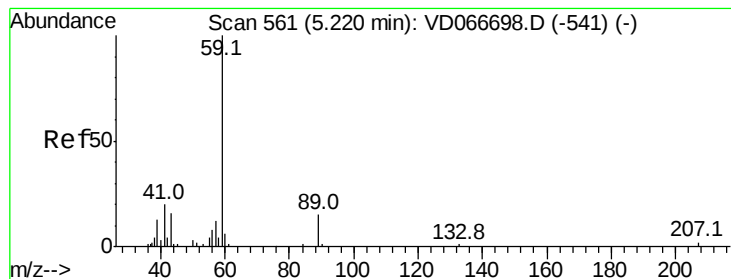
100

0

Time-->

1.96 1.98 2.00



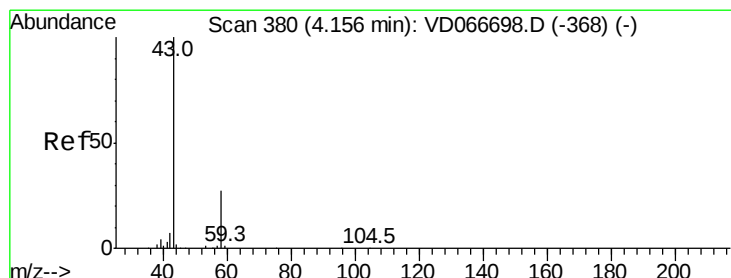
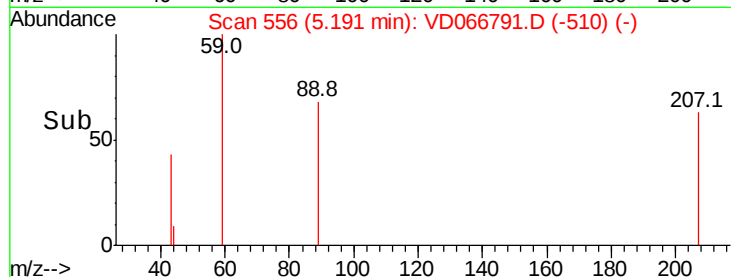
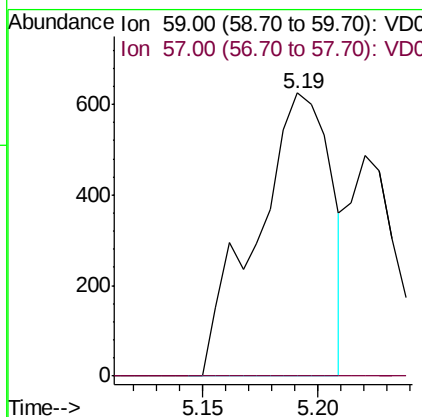
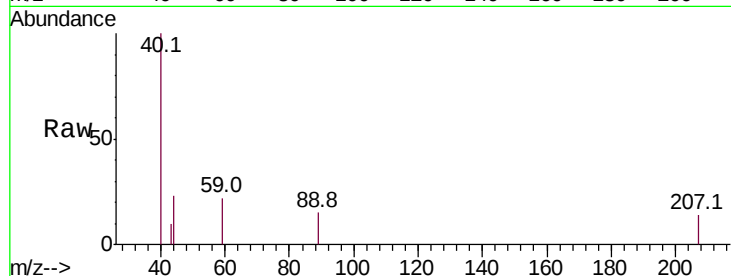


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD066791.D
 Acq: 21 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 Q-1

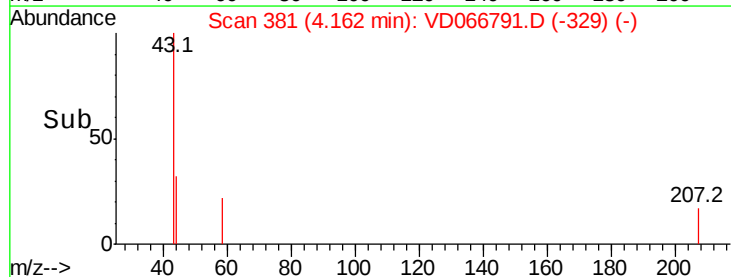
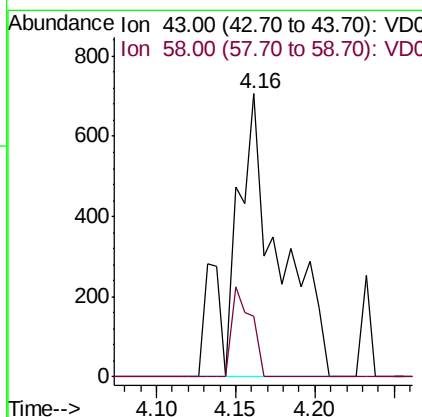
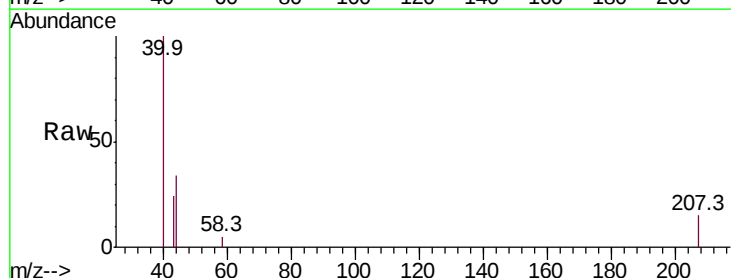
Tot Ion: 59 Resp: 1411
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

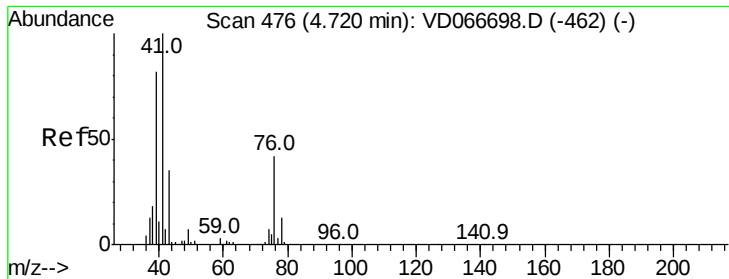


#16

Acetone
 Concen: 1.722 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066791.D
 Acq: 21 Sep 2020 19:05

Tgt Ion: 43 Resp: 1432
 Ion Ratio Lower Upper
 43 100
 58 21.7 21.9 32.9#

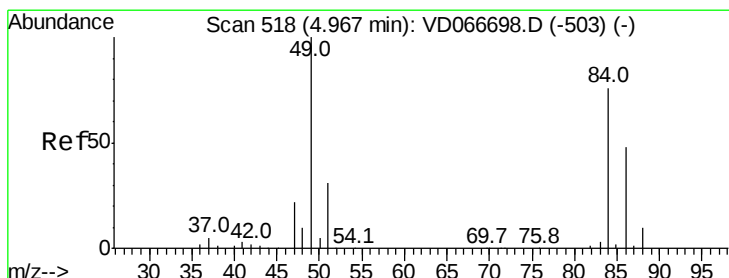
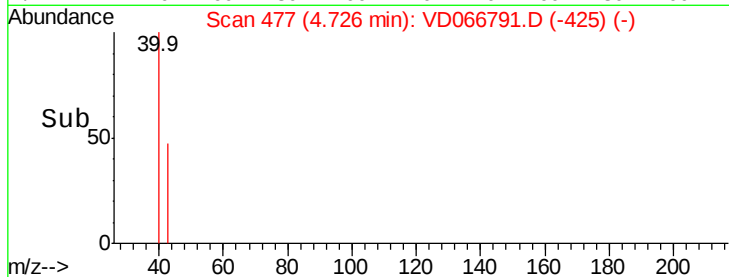
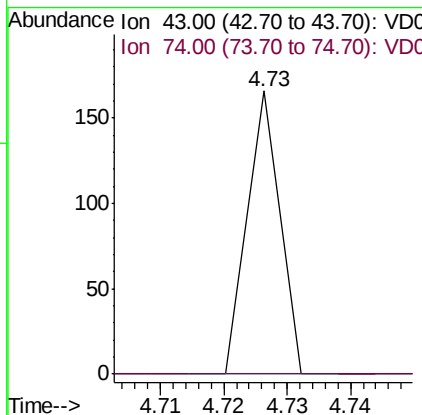
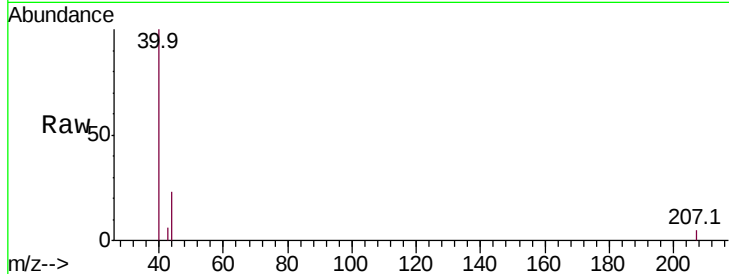




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066791.D
Acq: 21 Sep 2020 19:05

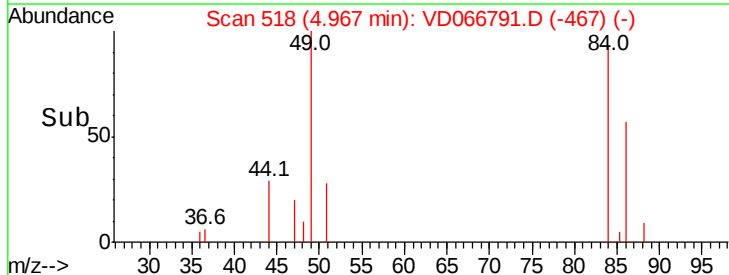
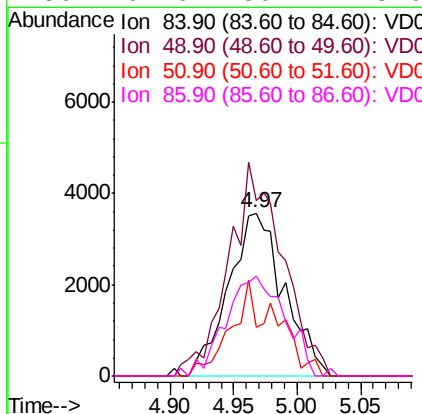
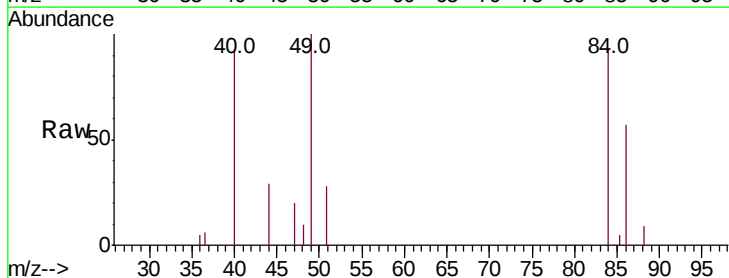
Instrument :
MSVOA_D
ClientSampleId :
Q-1

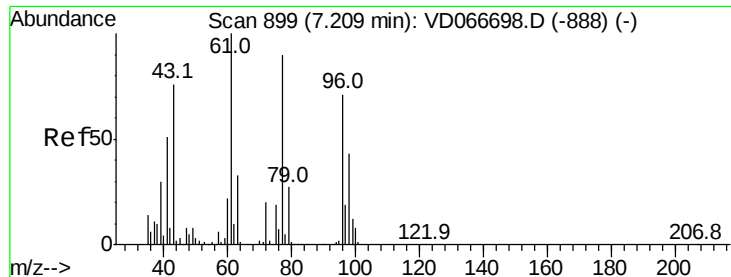
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066791.D
Acq: 21 Sep 2020 19:05

Tgt Ion: 84 Resp: 10873
Ion Ratio Lower Upper
84 100
49 107.8 105.0 157.6
51 29.9 32.2 48.4#
86 61.6 50.4 75.6





#25

2-Butanone

Concen: 1.423 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066791.D

Acq: 21 Sep 2020 19:05

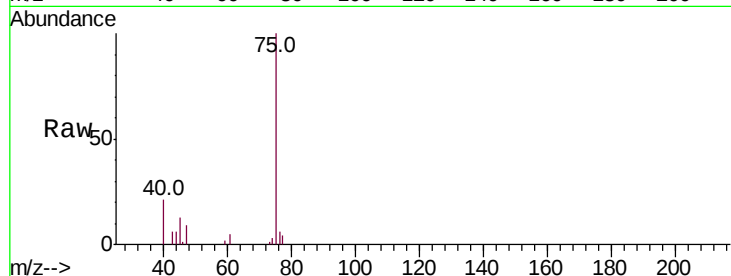
Instrument :
MSVOA_D
ClientSampleId :
Q-1

Tot Ion: 43 Resp: 1540

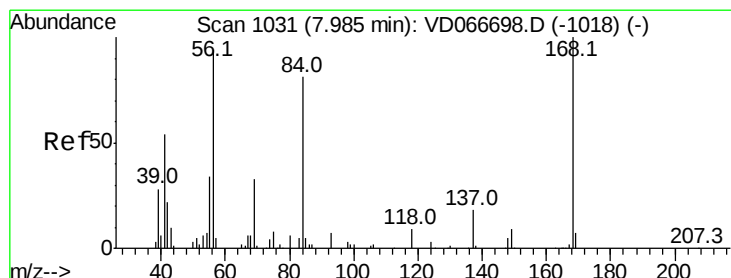
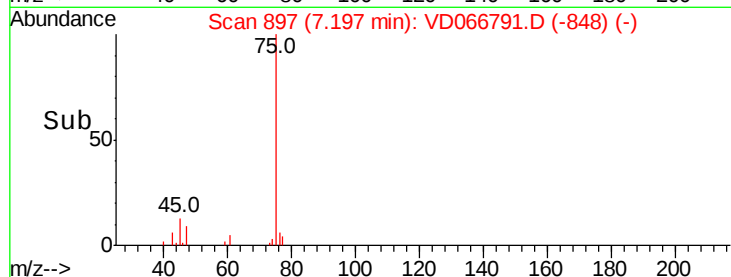
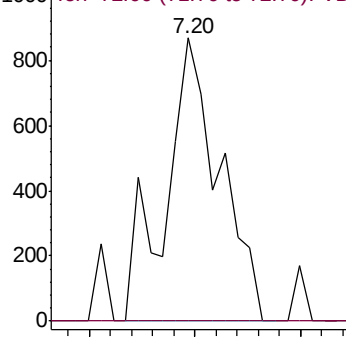
Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.336 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066791.D

Acq: 21 Sep 2020 19:05

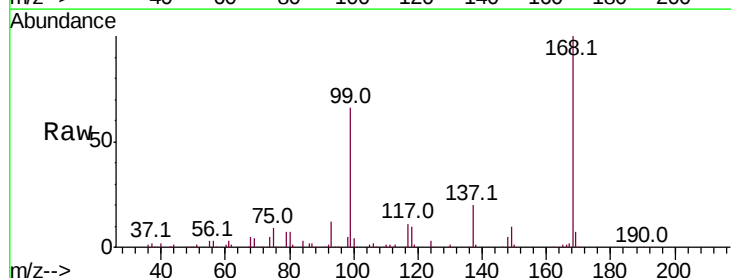
Tgt Ion: 56 Resp: 9633

Ion Ratio Lower Upper

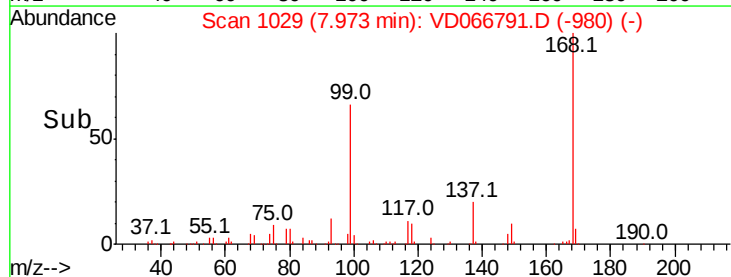
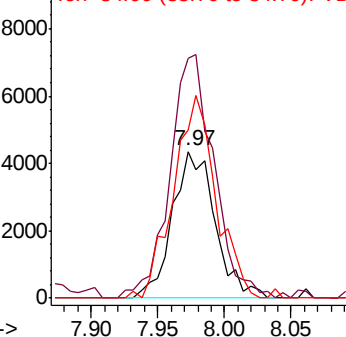
56 100

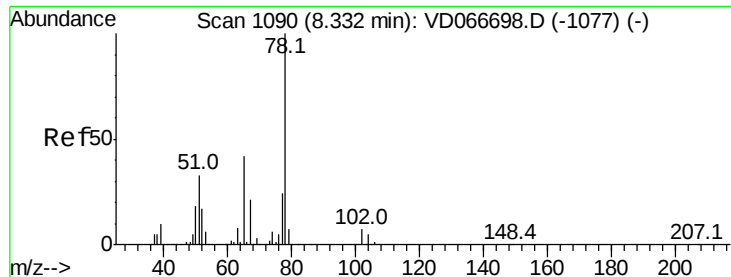
69 163.5 27.7 41.5#

84 114.6 68.5 102.7#



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: 55.466 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066791.D

Acq: 21 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampled :

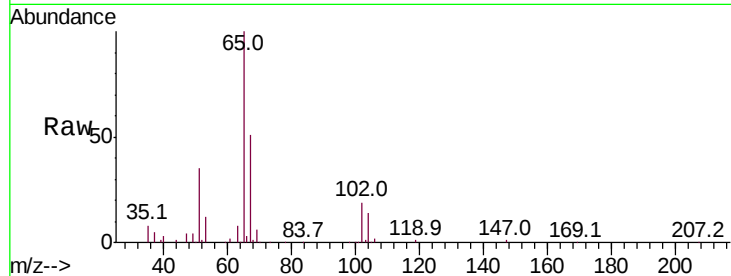
Q-1

Tot Ion: 65 Resp: 226442

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

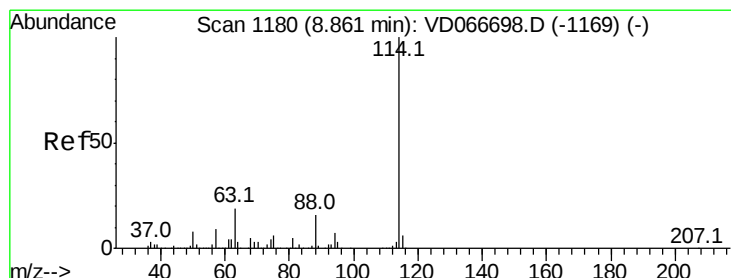
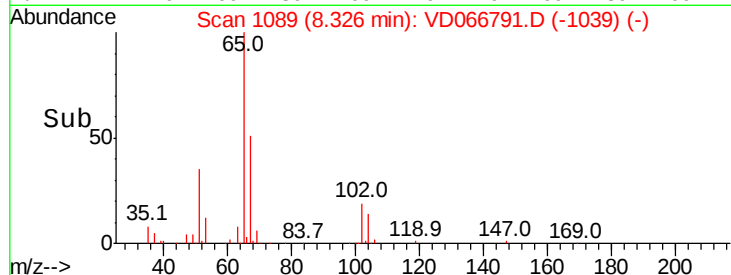
60000

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: VD066791.D

Acq: 21 Sep 2020 19:05

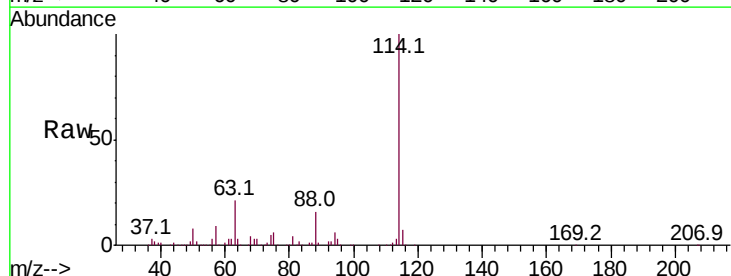
Tgt Ion: 114 Resp: 708196

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.6

88 16.3 0.0 32.2



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

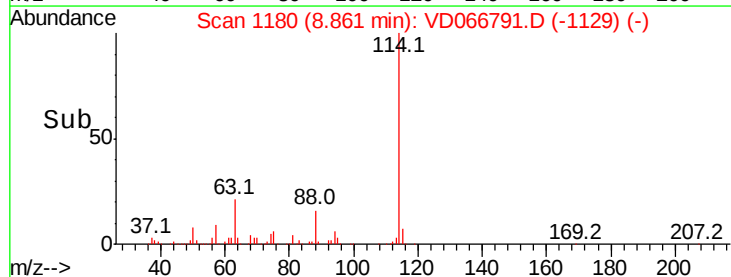
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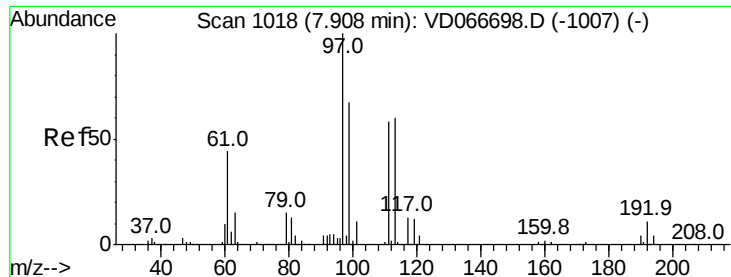
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95

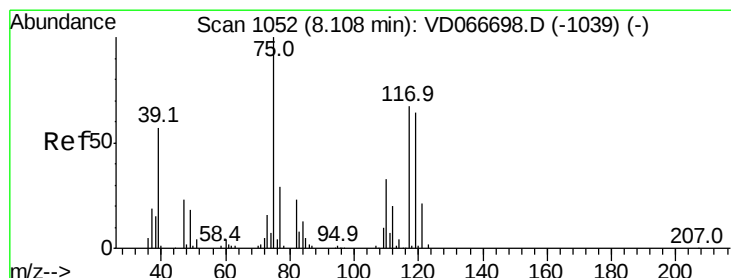
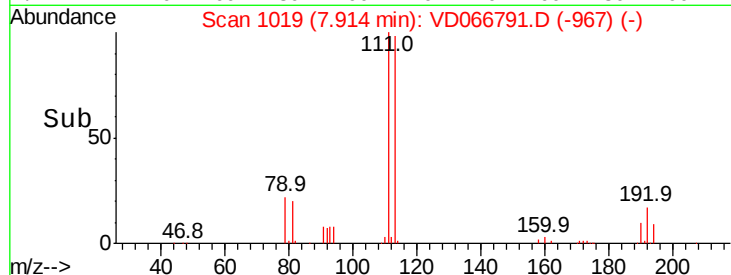
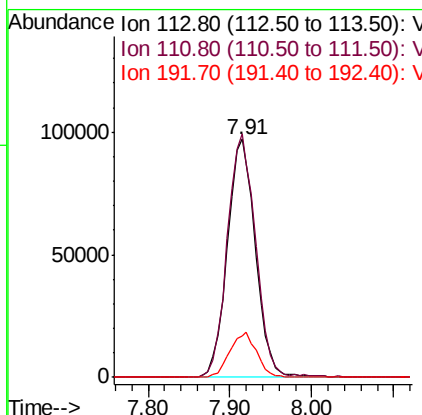
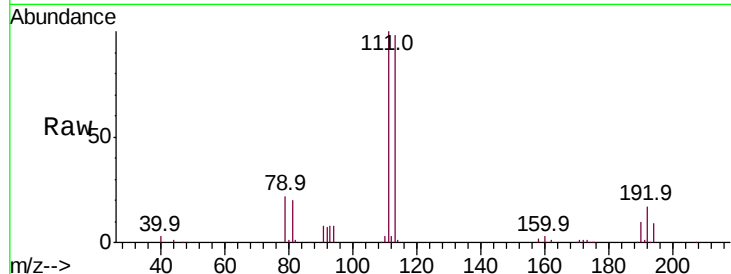




#35
 Dibromofluoromethane
 Concen: 53.428 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066791.D
 Acq: 21 Sep 2020 19:05

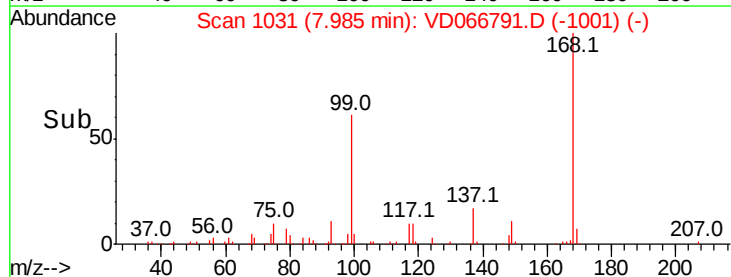
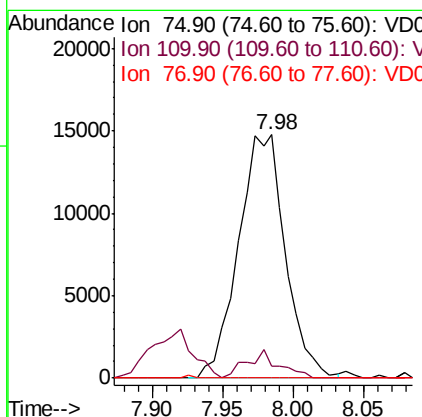
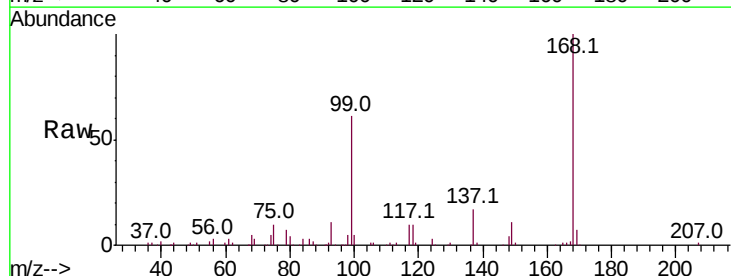
Instrument :
 MSVOA_D
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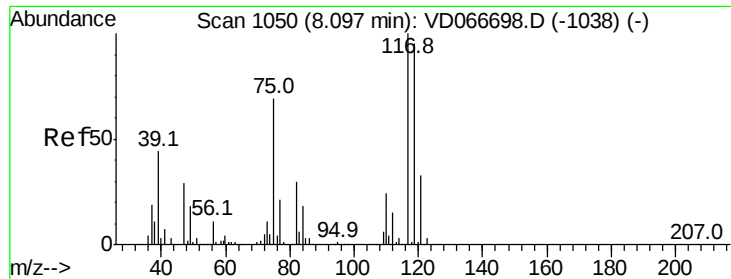
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.2	124.8
192	18.2	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 4.718 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD066791.D
 Acq: 21 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.1	51.2#
77	0.0	25.0	37.6#

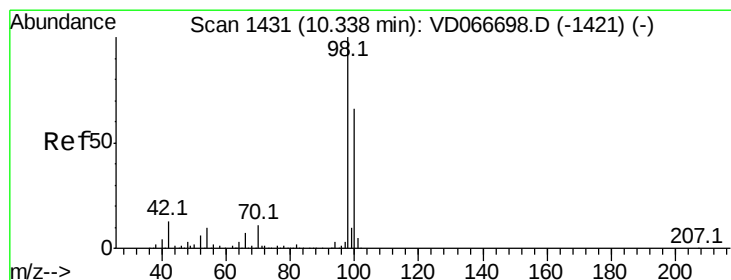
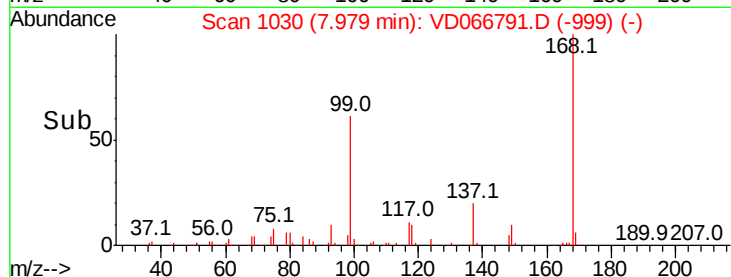
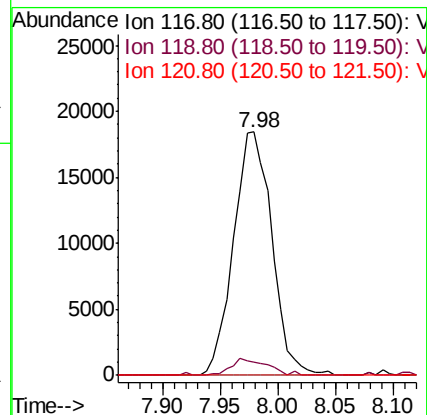
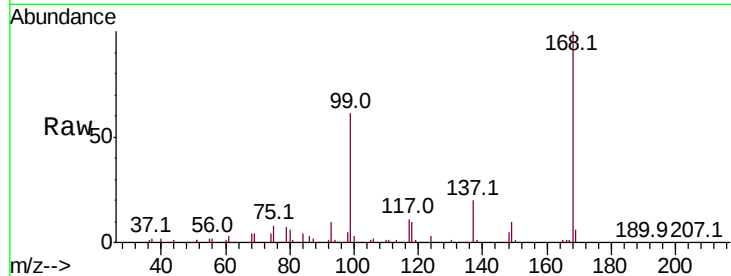




#38
Carbon Tetrachloride
Concen: 5.496 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066791.D
Acq: 21 Sep 2020 19:05

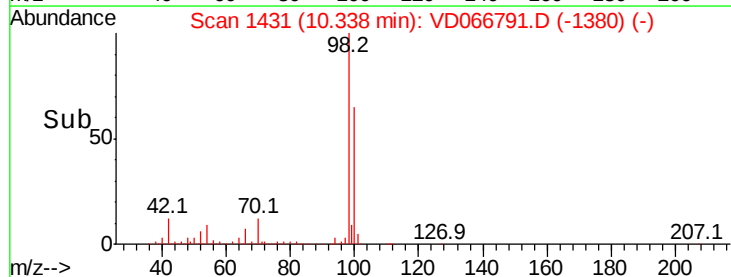
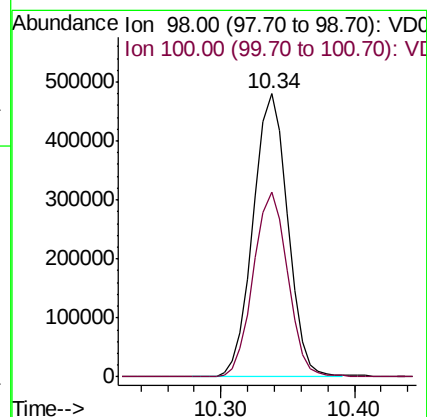
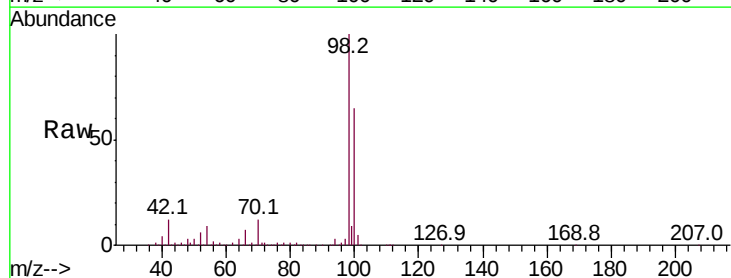
Instrument :
MSVOA_D
ClientSampleId :
Q-1

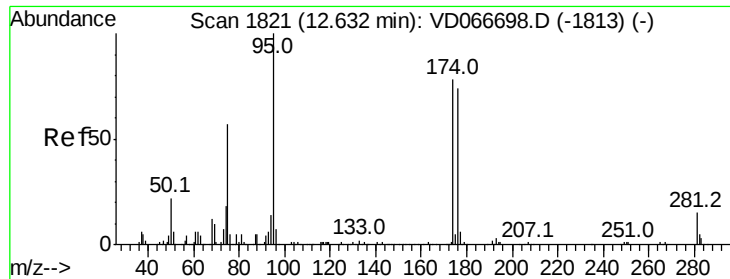
Tot Ion:117 Resp: 42499
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 26.2 39.4#



#50
Toluene-d8
Concen: 55.537 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066791.D
Acq: 21 Sep 2020 19:05

Tgt Ion: 98 Resp: 859117
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1

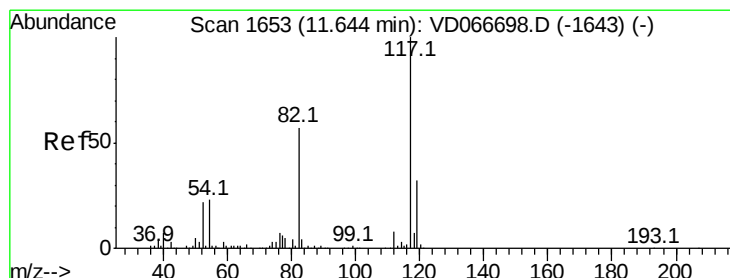
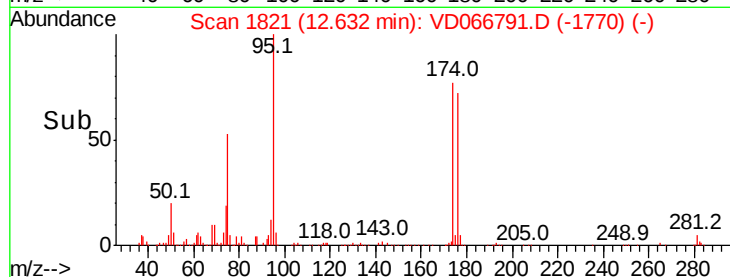
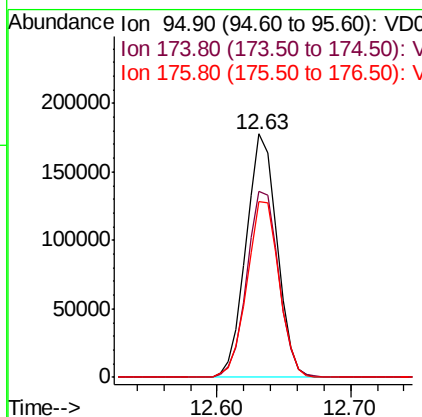
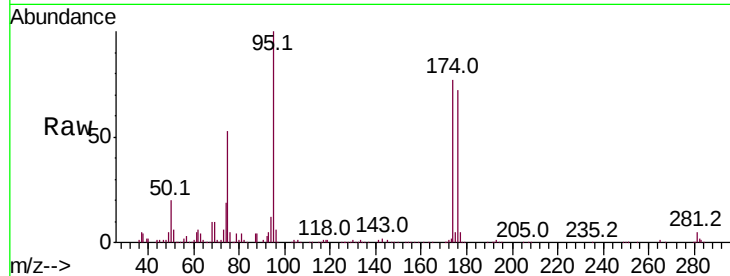




#62
4-Bromofluorobenzene
Concen: 53.083 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066791.D
Acq: 21 Sep 2020 19:05

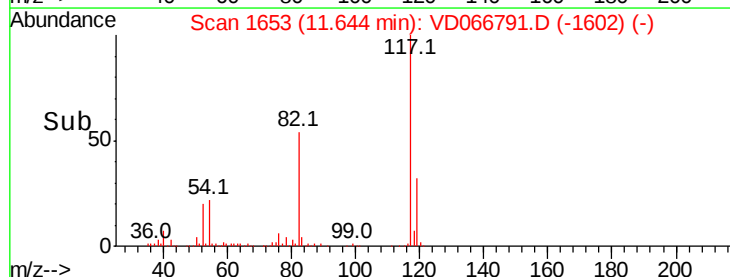
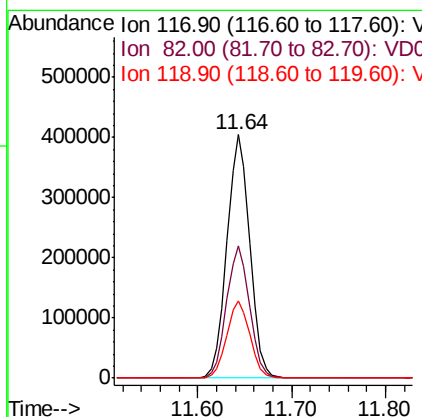
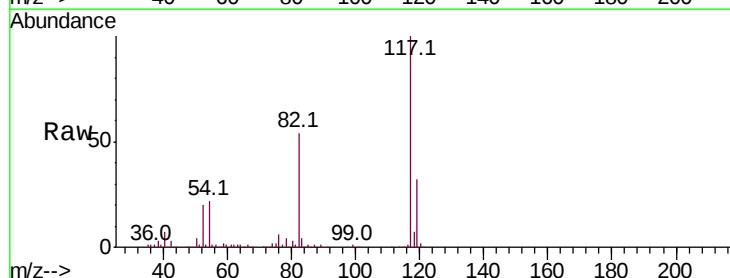
Instrument :
MSVOA_D
ClientSampleId :
Q-1

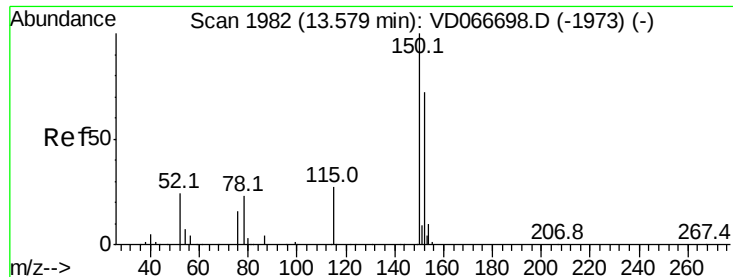
Tot Ion: 95 Resp: 283450
Ion Ratio Lower Upper
95 100
174 78.8 0.0 156.6
176 75.0 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066791.D
Acq: 21 Sep 2020 19:05

Tgt Ion: 117 Resp: 682243
Ion Ratio Lower Upper
117 100
82 54.4 45.4 68.0
119 31.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066791.D

Acq: 21 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

Q-1

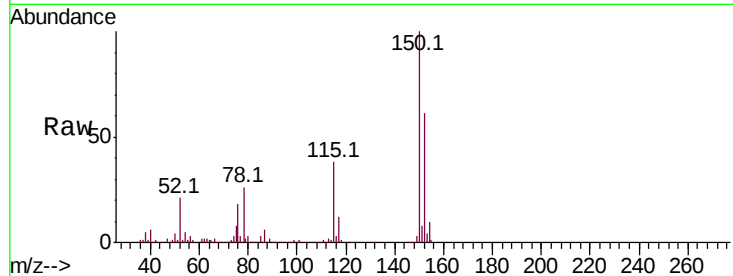
Tot Ion:152 Resp: 285894

Ion Ratio Lower Upper

152 100

115 63.2 30.5 91.5

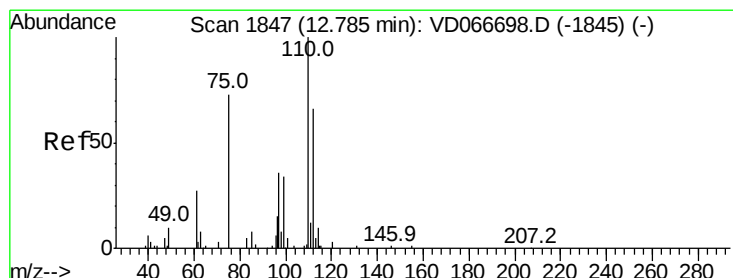
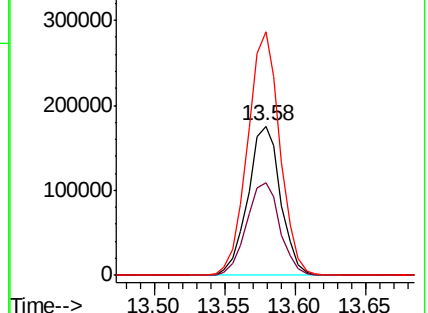
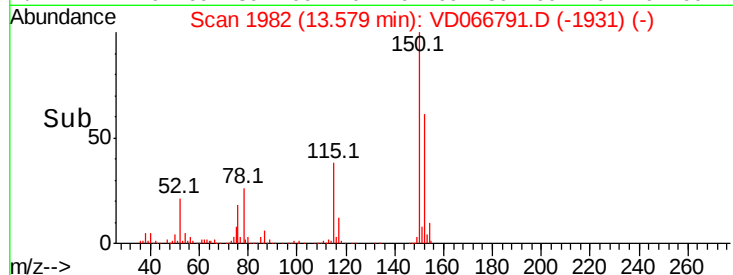
150 160.8 0.0 344.6



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: 61.788 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066791.D

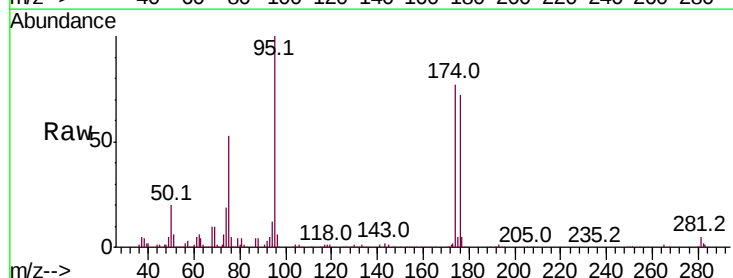
Acq: 21 Sep 2020 19:05

Tgt Ion: 75 Resp: 151203

Ion Ratio Lower Upper

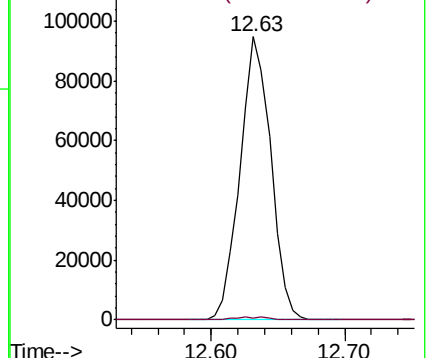
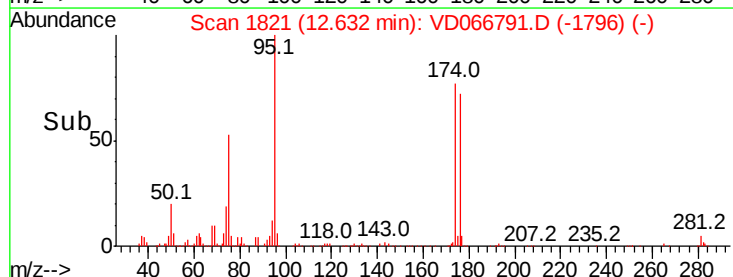
75 100

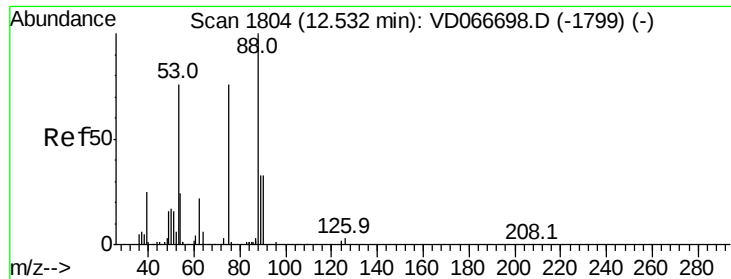
77 1.1 0.0 0.0#



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: 133.349 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066791.D

Acq: 21 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

Q-1

Tot Ion: 75 Resp: 151203

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

