

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066705.D
 Acq On : 15 Sep 2020 19:21
 Operator : VA/SY
 Sample : L4005-01
 Misc : 7.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22-31

Quant Time: Sep 16 01:46:26 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	381750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	705665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	695075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326769	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	238411	58.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.06%	
35) Dibromofluoromethane	7.91	113	241864	55.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.80%	
50) Toluene-d8	10.34	98	873711	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.36%	
62) 4-Bromofluorobenzene	12.63	95	322145	60.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.10%	

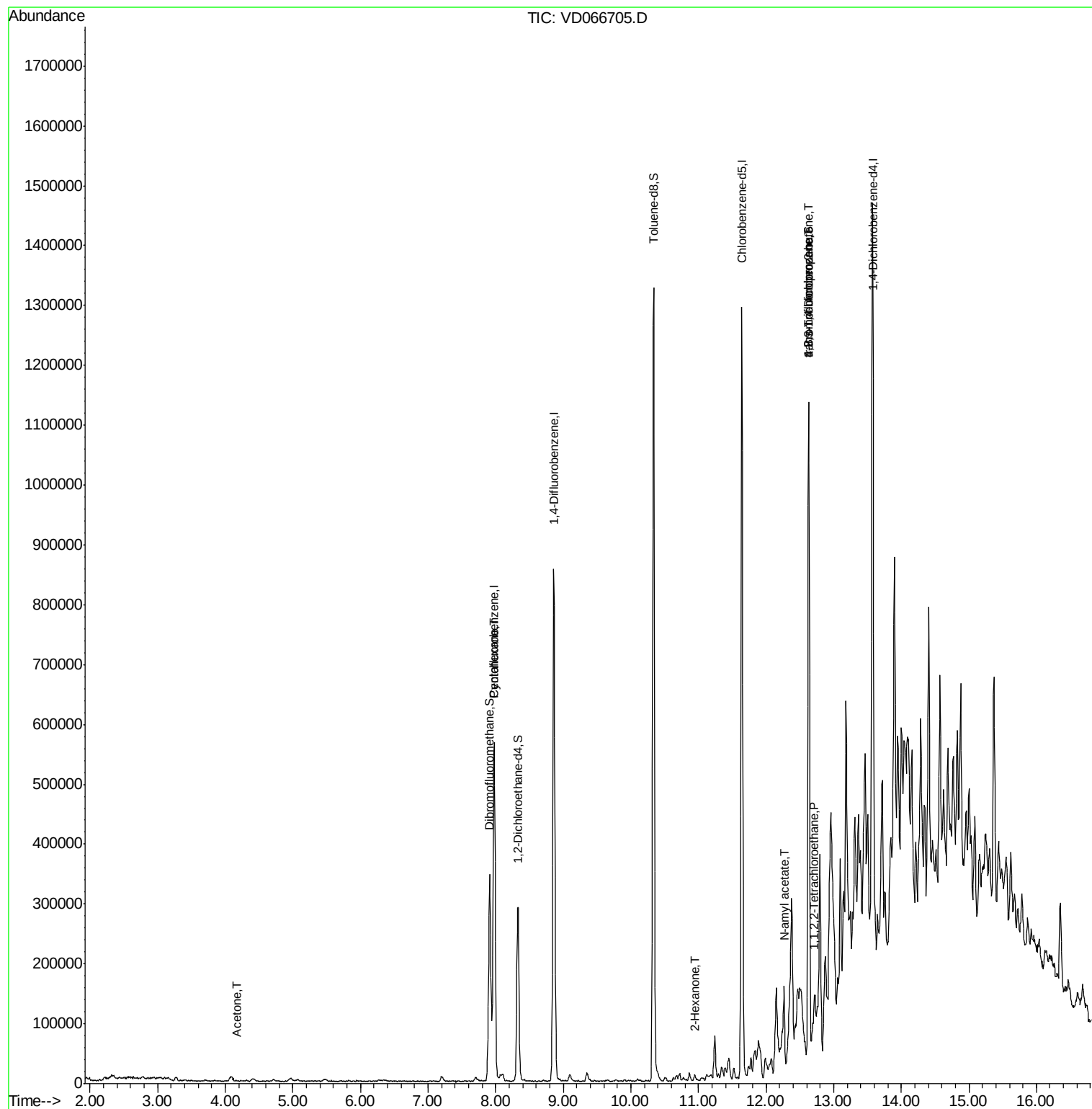
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2734	Below Cal		91
11) Tert butyl alcohol	5.23	59	131	Below Cal	#	76
16) Acetone	4.17	43	1633	1.969	ug/l #	84
18) Methyl Acetate	4.73	43	380	Below Cal	#	52
20) Methylene Chloride	4.97	84	4421	Below Cal	#	68
31) Cyclohexane	7.97	56	13005	1.808	ug/l #	28
59) 2-Hexanone	10.96	43	4029	2.253	ug/l #	26
74) N-amyl acetate	12.27	43	36440	7.082	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.71	83	7168	1.729	ug/l #	82
76) 1,2,3-Trichloropropane	12.63	75	182201	65.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	182201	140.586	ug/l #	9

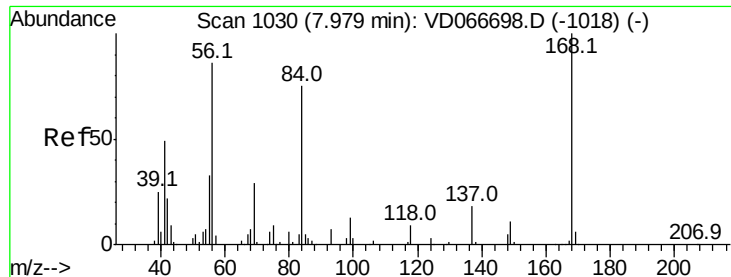
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
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Quant Time: Sep 16 01:46:26 2020
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Quant Title : SW846 8260
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: VD066705.D

Acq: 15 Sep 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

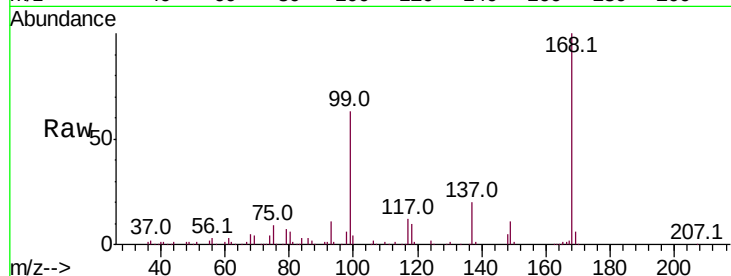
22-31

Tot Ion:168 Resp: 381750

Ion Ratio Lower Upper

168 100

99 63.2 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VDC

150000

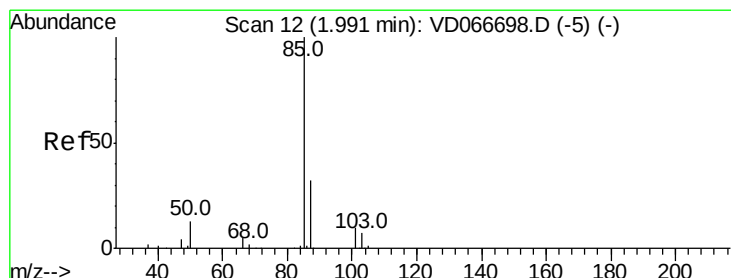
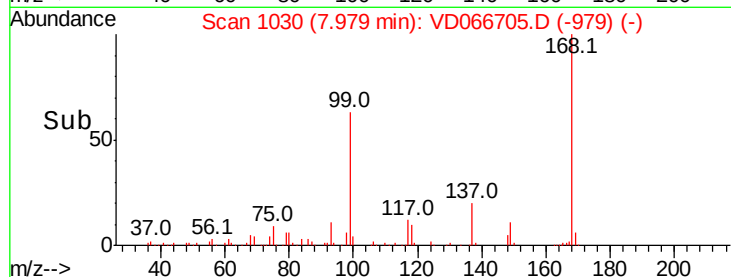
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD066705.D

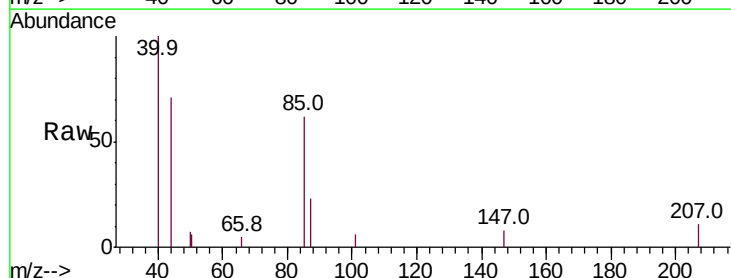
Acq: 15 Sep 2020 19:21

Tgt Ion: 85 Resp: 2734

Ion Ratio Lower Upper

85 100

87 36.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

2500 Ion 86.90 (86.60 to 87.60): VDC

2000

1500

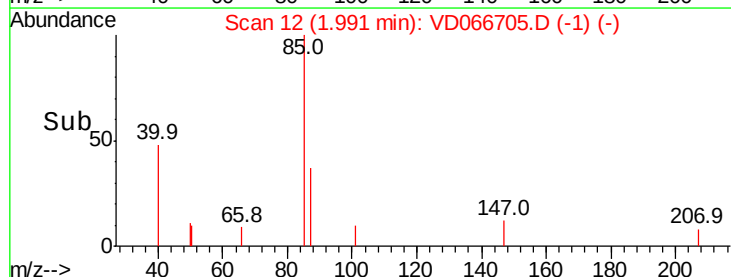
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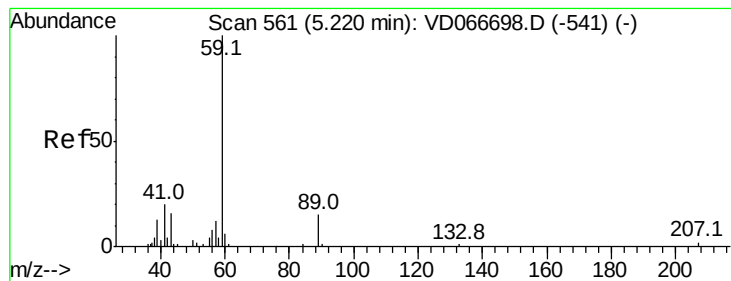
500

0

1.95 2.00

Time-->



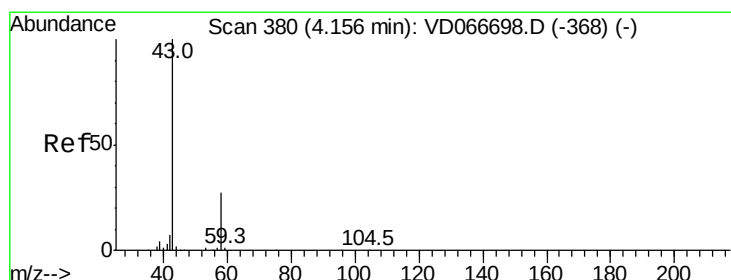
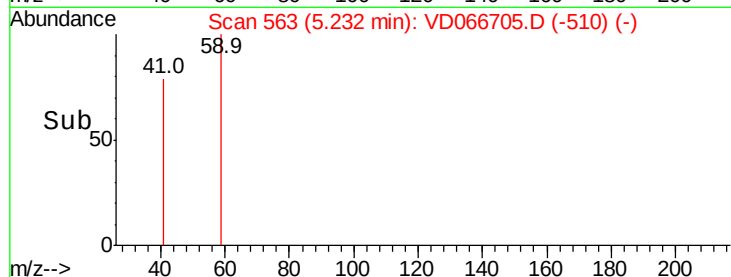
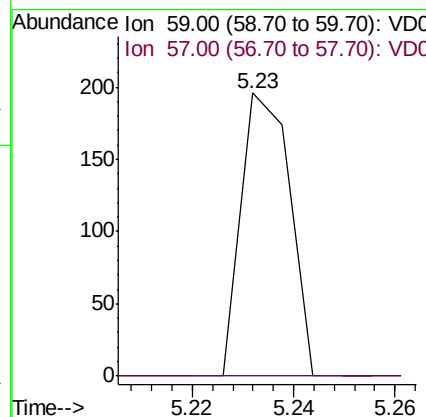
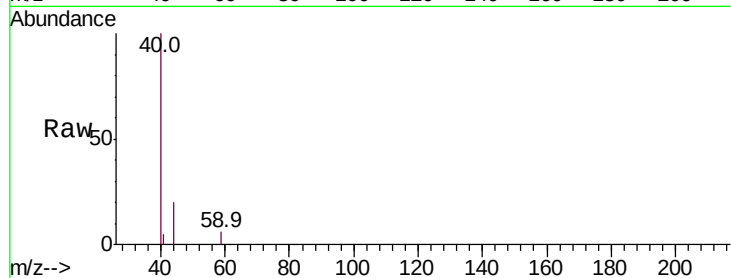


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066705.D
 Acq: 15 Sep 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 22-31

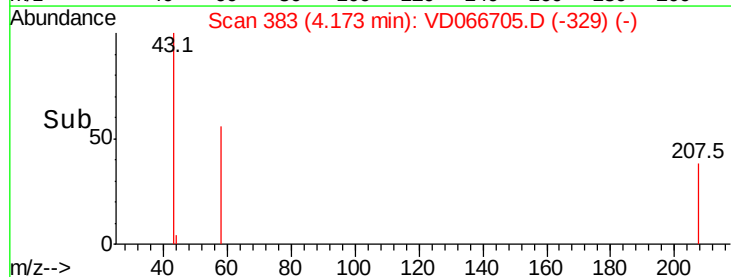
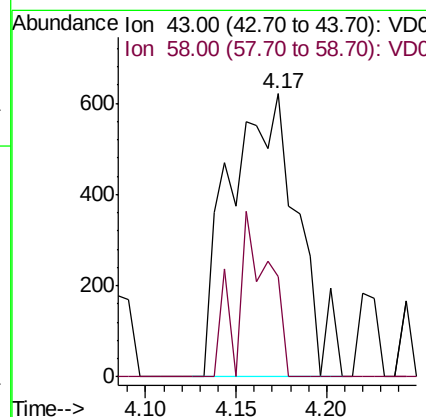
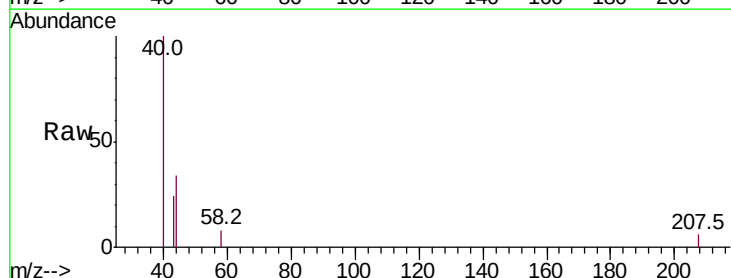
Tot Ion: 59 Resp: 131
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

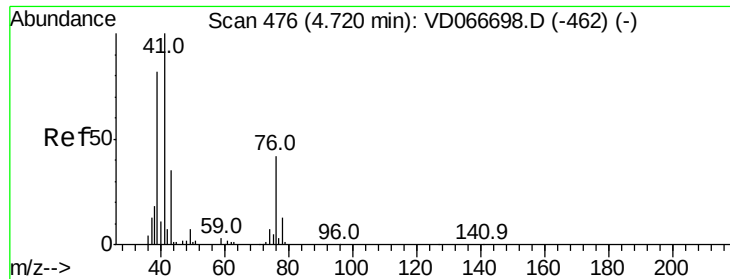


#16

Acetone
 Concen: 1.969 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066705.D
 Acq: 15 Sep 2020 19:21

Tgt Ion: 43 Resp: 1633
 Ion Ratio Lower Upper
 43 100
 58 35.6 21.9 32.9#

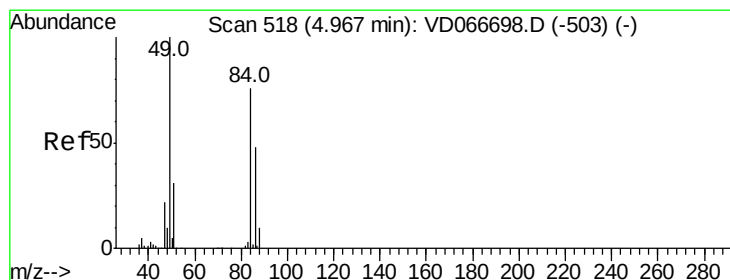
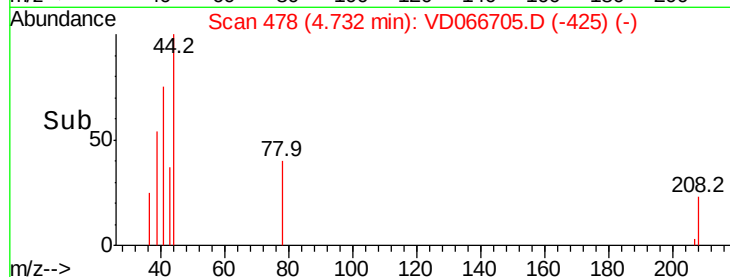
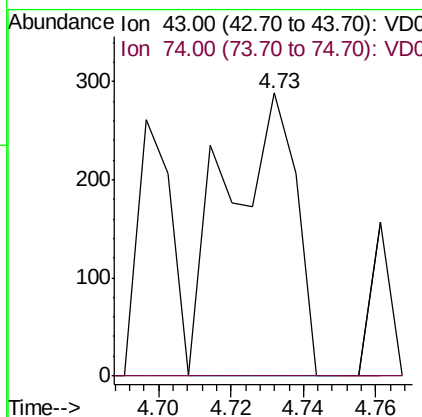
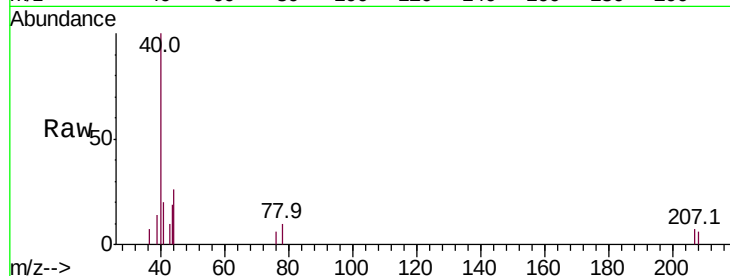




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD066705.D
Acq: 15 Sep 2020 19:21

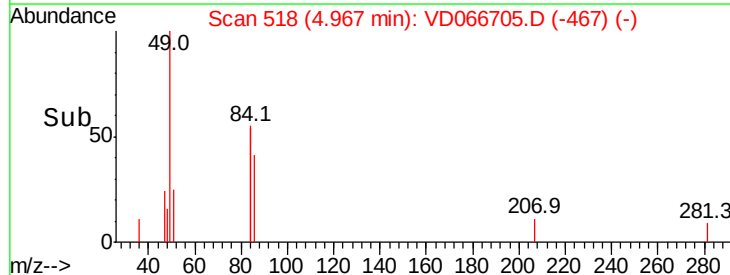
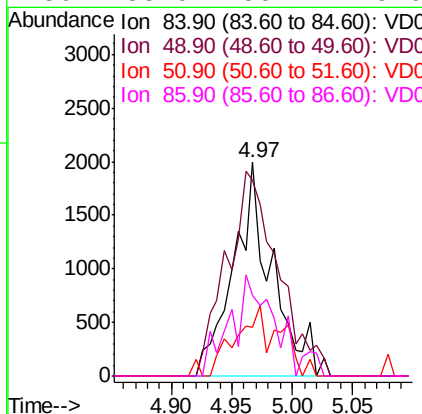
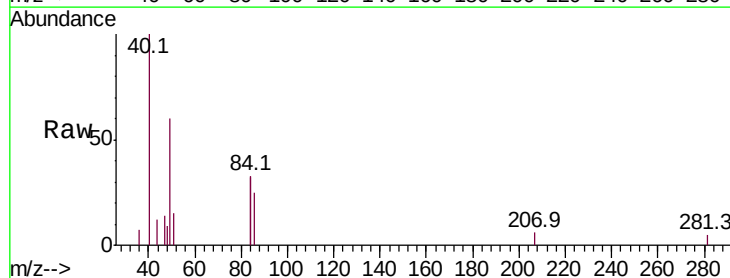
Instrument :
MSVOA_D
ClientSampled :
22-31

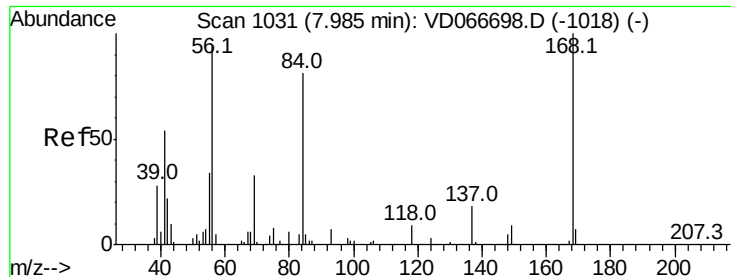
Tot Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066705.D
Acq: 15 Sep 2020 19:21

Tgt Ion: 84 Resp: 4421
Ion Ratio Lower Upper
84 100
49 91.7 105.0 157.6#
51 22.6 32.2 48.4#
86 38.0 50.4 75.6#

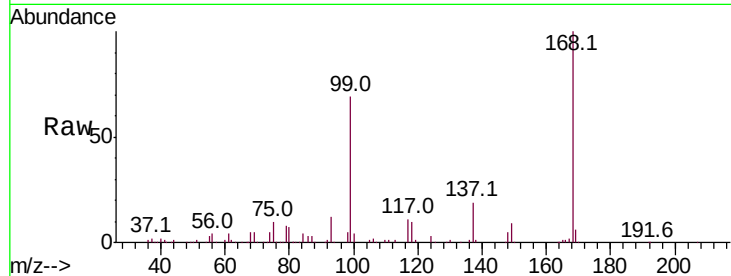




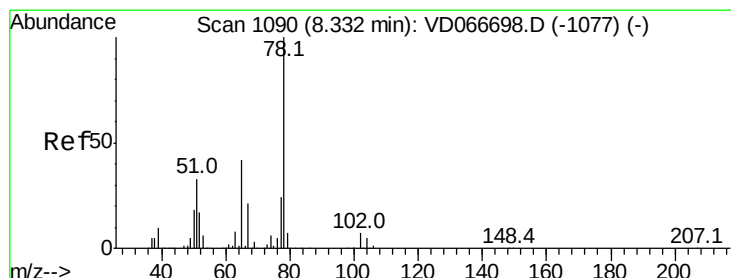
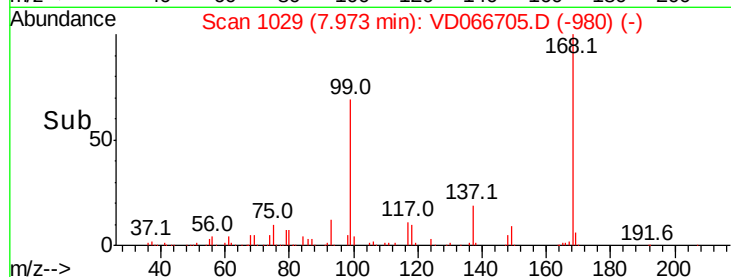
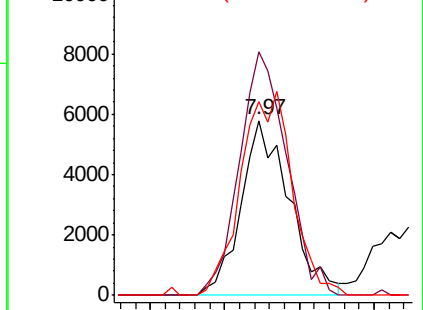
#31
Cyclohexane
Concen: 1.808 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066705.D
Acq: 15 Sep 2020 19:21

Instrument :
MSVOA_D
ClientSampled :
22-31

Tot Ion: 56 Resp: 13005
Ion Ratio Lower Upper
56 100
69 139.2 27.7 41.5#
84 110.8 68.5 102.7#

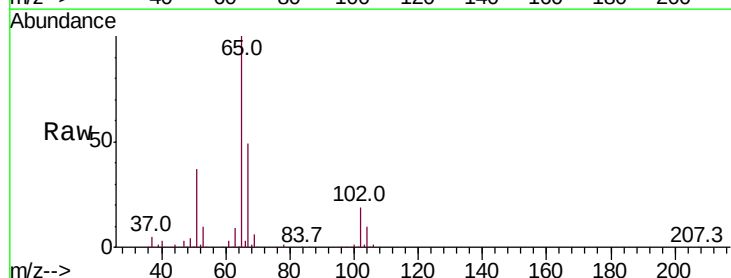


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

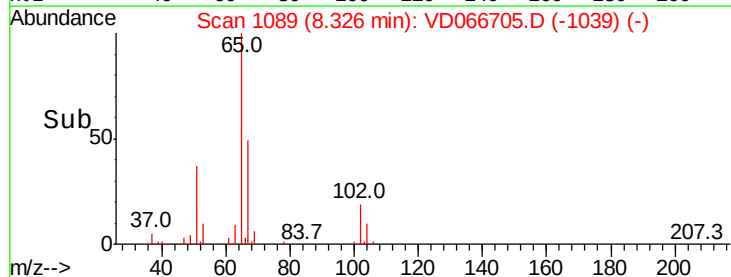
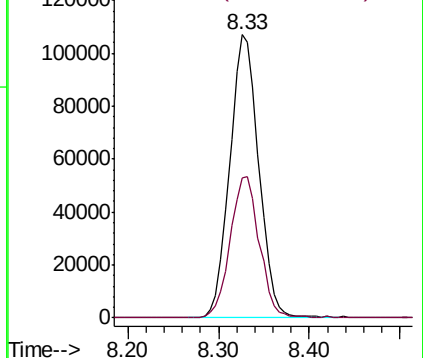


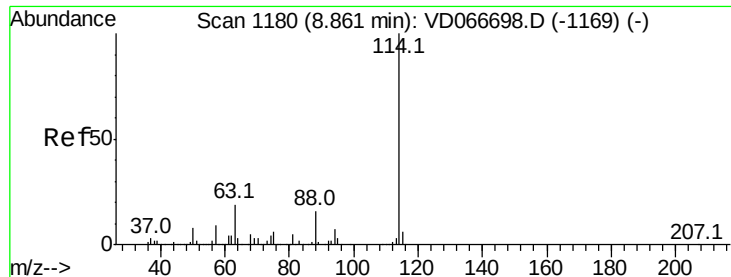
#33
1,2-Dichloroethane-d4
Concen: 58.534 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066705.D
Acq: 15 Sep 2020 19:21

Tgt Ion: 65 Resp: 238411
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

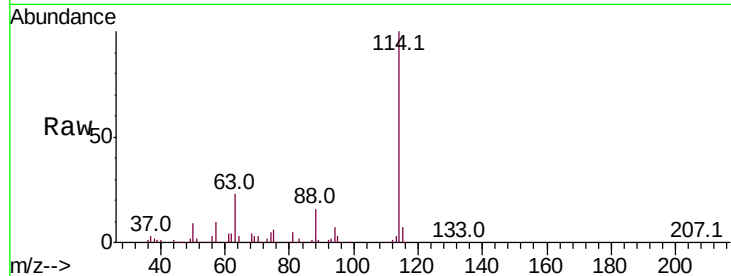




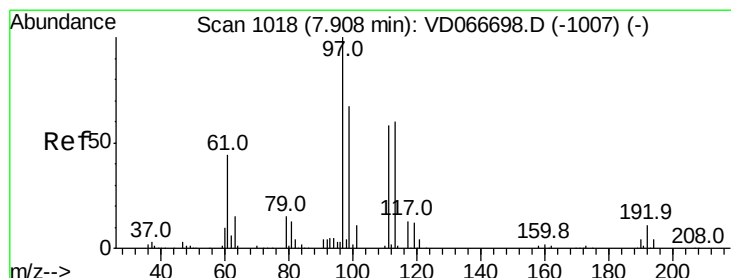
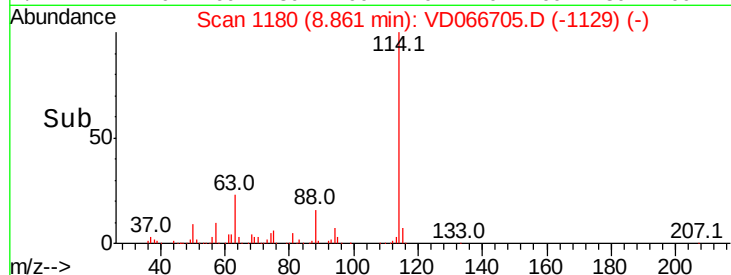
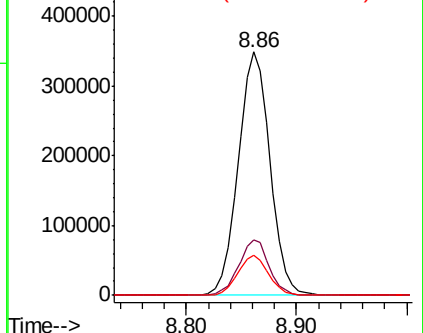
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066705.D
 Acq: 15 Sep 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 22-31

Tot Ion:114	Resp:	705665
Ion	Ratio	Lower Upper
114	100	
63	22.5	0.0 37.6
88	16.3	0.0 32.2

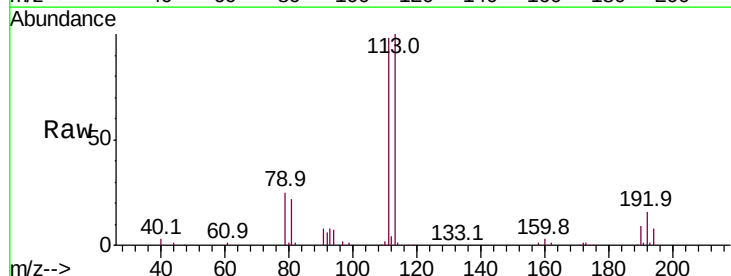


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

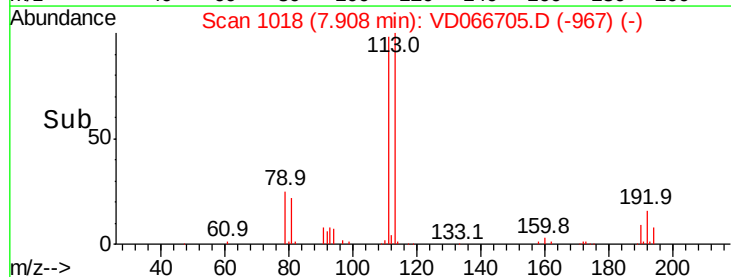
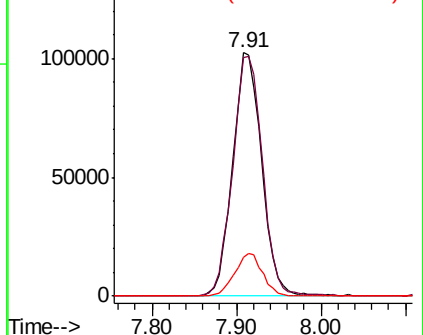


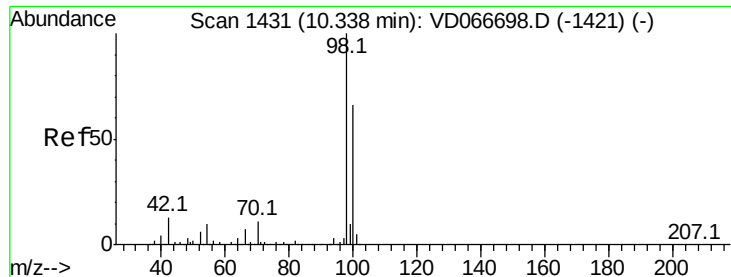
#35
 Dibromofluoromethane
 Concen: 55.904 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066705.D
 Acq: 15 Sep 2020 19:21

Tgt Ion:113	Resp:	241864
Ion	Ratio	Lower Upper
113	100	
111	101.5	83.2 124.8
192	17.0	14.8 22.2



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





#50

Toluene-d8

Concen: 56.683 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066705.D

Acq: 15 Sep 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

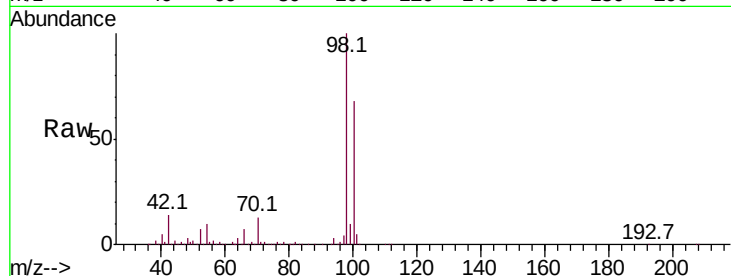
22-31

Tot Ion: 98 Resp: 873711

Ion Ratio Lower Upper

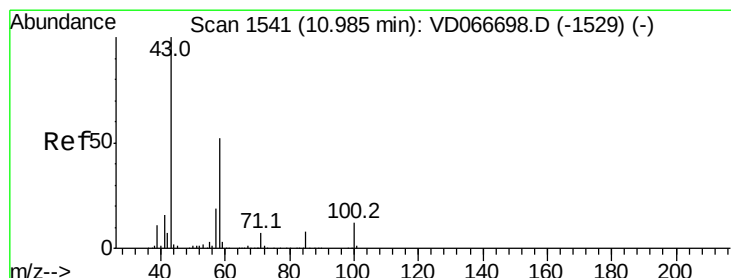
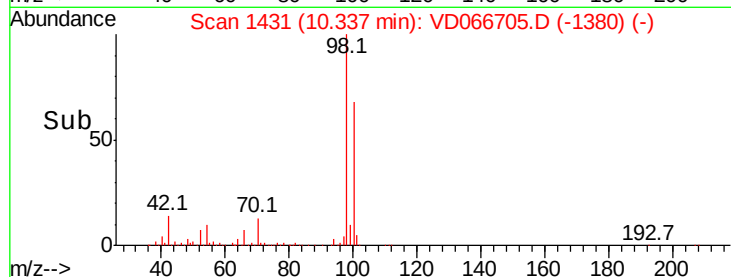
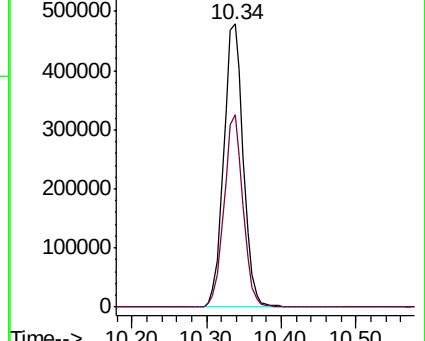
98 100

100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#59

2-Hexanone

Concen: 2.253 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.03 min

Lab File: VD066705.D

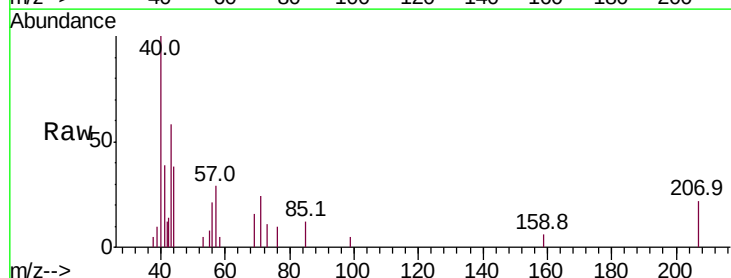
Acq: 15 Sep 2020 19:21

Tgt Ion: 43 Resp: 4029

Ion Ratio Lower Upper

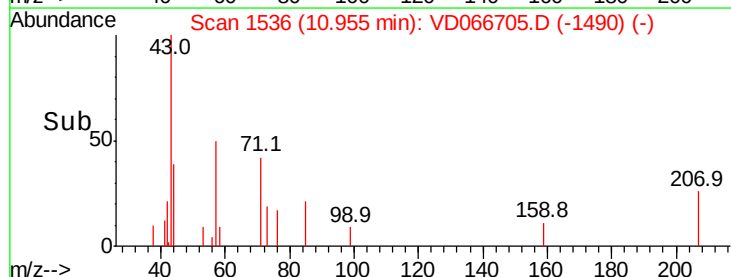
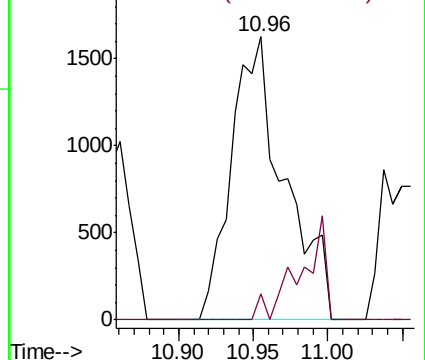
43 100

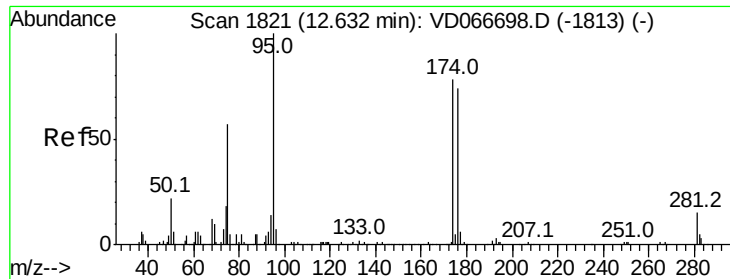
58 0.0 26.2 78.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

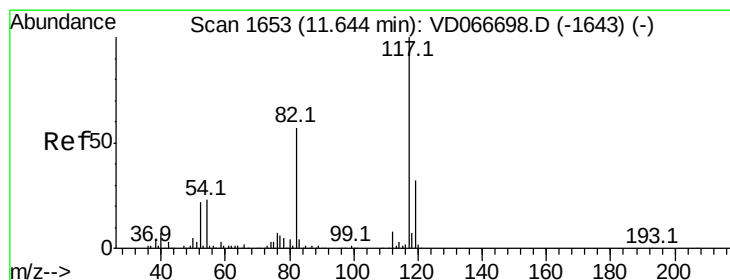
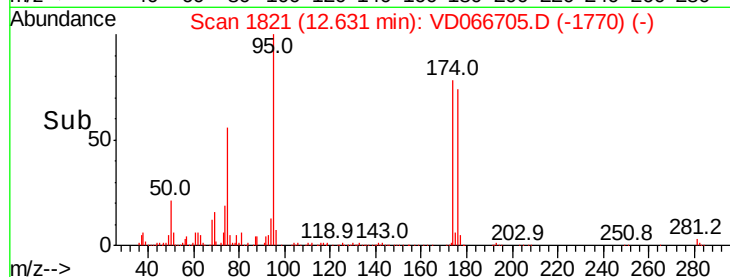
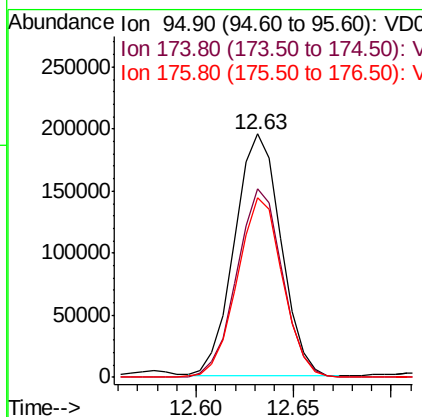
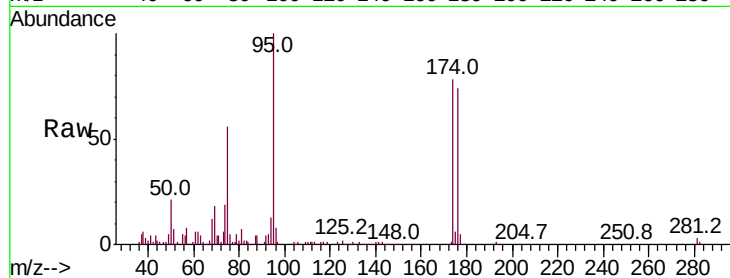




#62
4-Bromofluorobenzene
Concen: 60.546 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066705.D
Acq: 15 Sep 2020 19:21

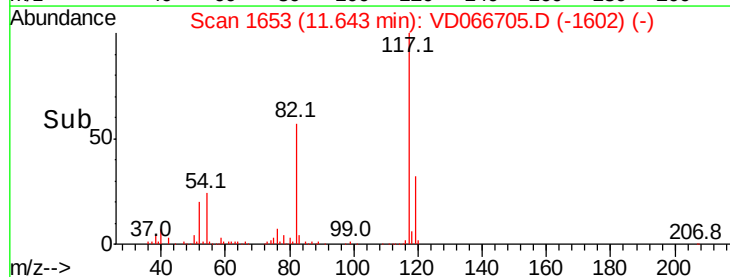
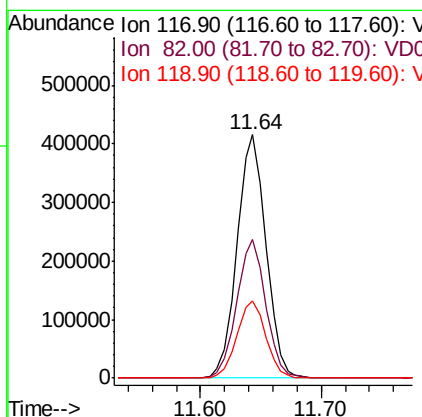
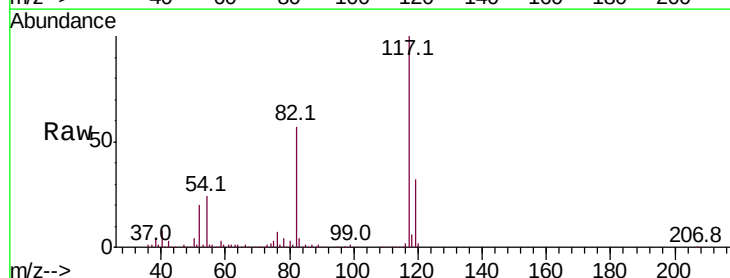
Instrument :
MSVOA_D
ClientSampled :
22-31

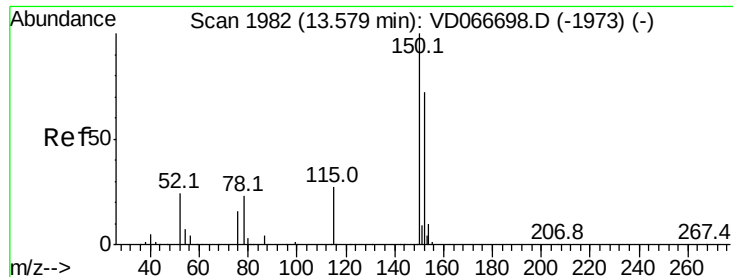
Tot Ion: 95 Resp: 322145
Ion Ratio Lower Upper
95 100
174 76.6 0.0 156.6
176 72.5 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066705.D
Acq: 15 Sep 2020 19:21

Tgt Ion: 117 Resp: 695075
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 31.9 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: VD066705.D

Acq: 15 Sep 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

22-31

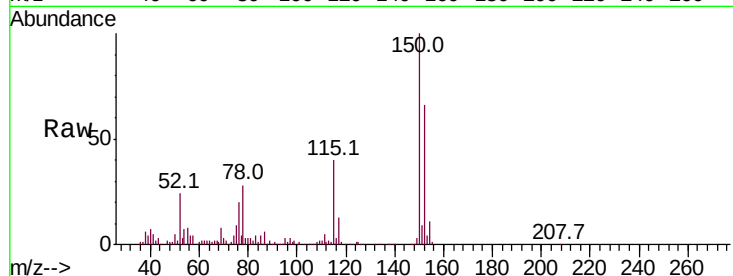
Tot Ion:152 Resp: 326769

Ion Ratio Lower Upper

152 100

115 60.5 30.5 91.5

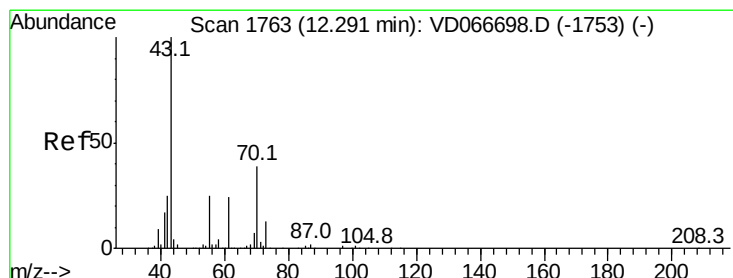
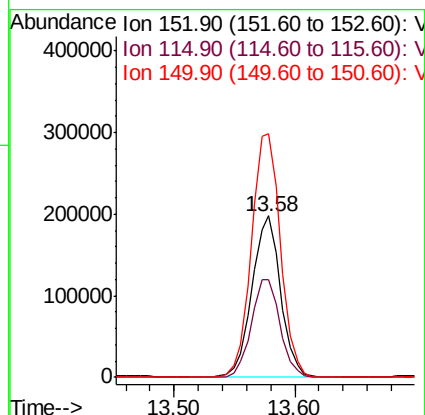
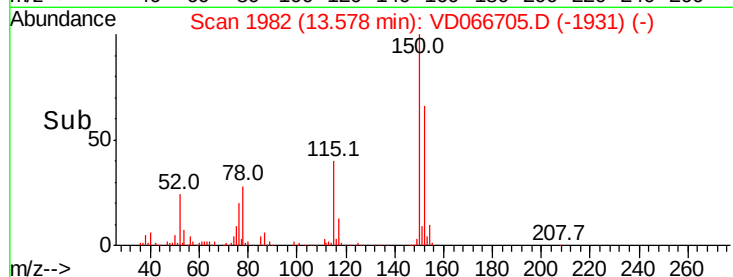
150 153.2 0.0 344.6



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



#74

N-ethyl acetate

Concen: 7.082 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD066705.D

Acq: 15 Sep 2020 19:21

Tgt Ion: 43 Resp: 36440

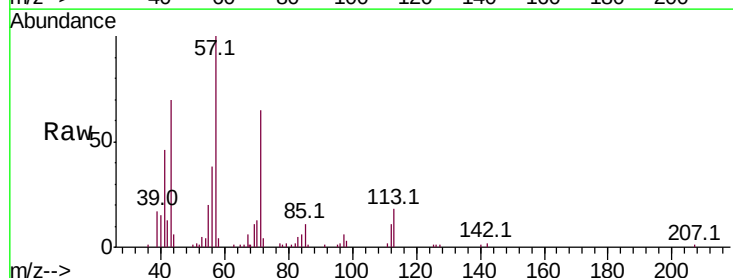
Ion Ratio Lower Upper

43 100

70 17.5 33.0 49.4#

55 0.0 20.6 30.8#

61 0.0 19.1 28.7#

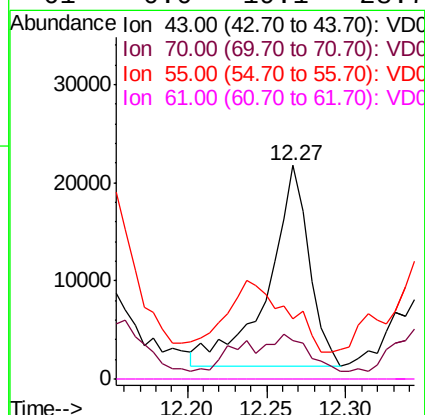
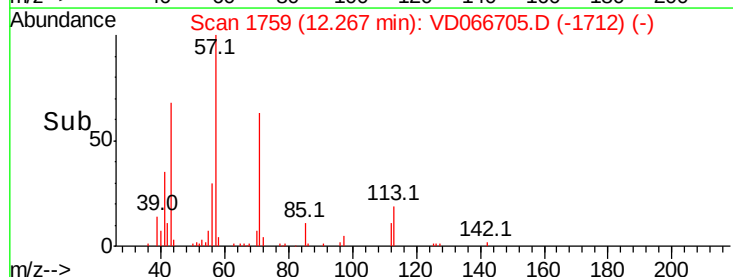


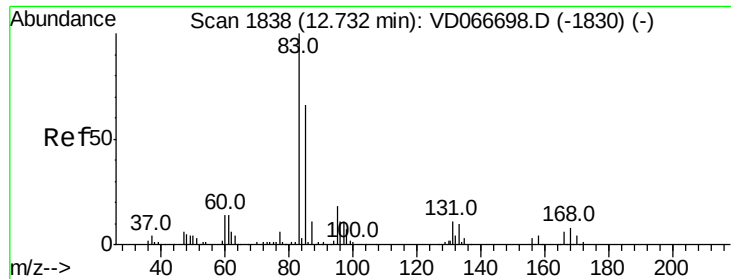
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.729 ug/l

RT: 12.71 min Scan# 1834

Delta R.T. -0.02 min

Lab File: VD066705.D

Acq: 15 Sep 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

22-31

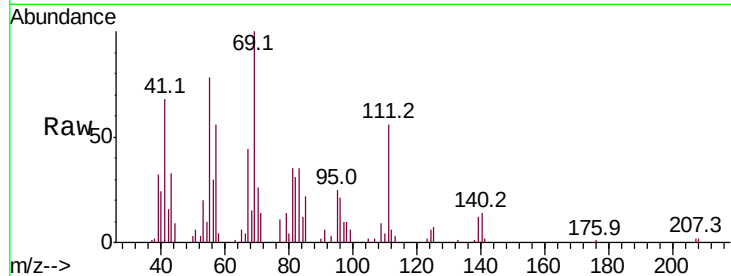
Tot Ion: 83 Resp: 7168

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.3#

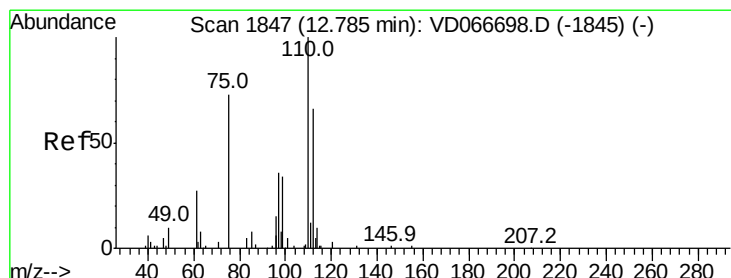
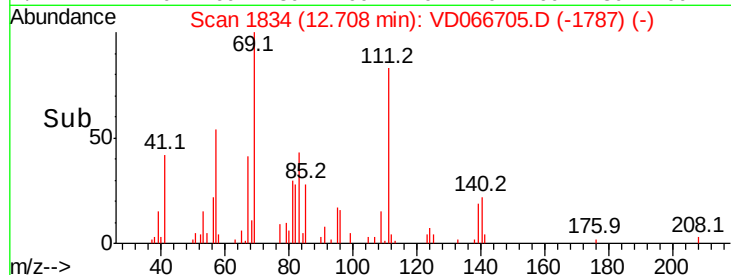
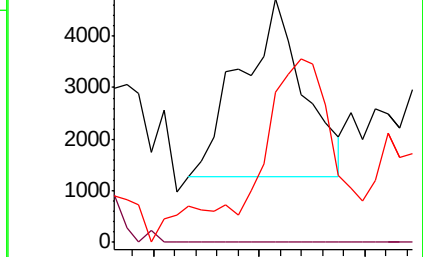
85 79.5 33.3 99.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 65.141 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066705.D

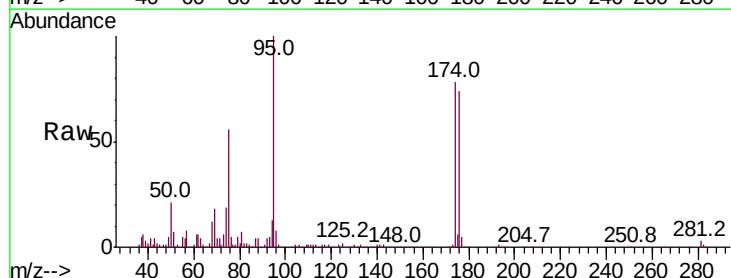
Acq: 15 Sep 2020 19:21

Tgt Ion: 75 Resp: 182201

Ion Ratio Lower Upper

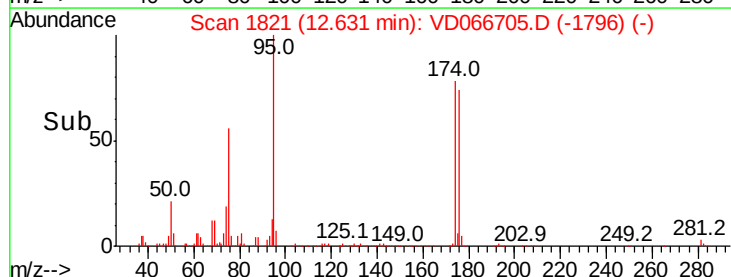
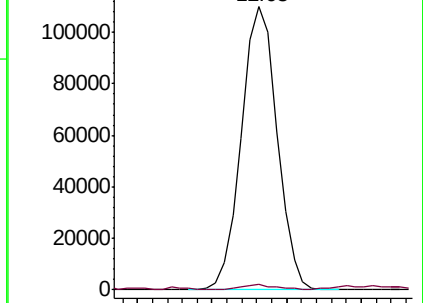
75 100

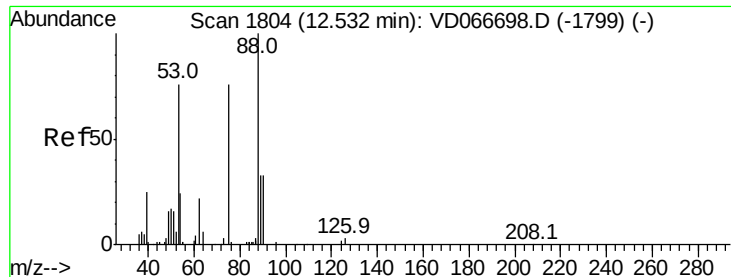
77 1.7 0.0 0.0#



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: 140.586 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066705.D

Acq: 15 Sep 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

22-31

Tot Ion: 75 Resp: 182201

Ion Ratio Lower Upper

75 100

53 1.7 82.2 123.4#

89 0.0 39.6 59.4#

