

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066172.D
 Acq On : 10 Aug 2020 18:49
 Operator : VA/SY
 Sample : L3576-02RE
 Misc : 5.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-017RE

Quant Time: Aug 11 04:36:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	232154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	394696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	465116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265061	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	114204	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	7.90	113	56005	22.40	ug/l	0.00
Spiked Amount			Recovery	=	44.80%	
50) Toluene-d8	10.34	98	496805	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.63	95	227891	68.52	ug/l	0.00
Spiked Amount			Recovery	=	137.04%	

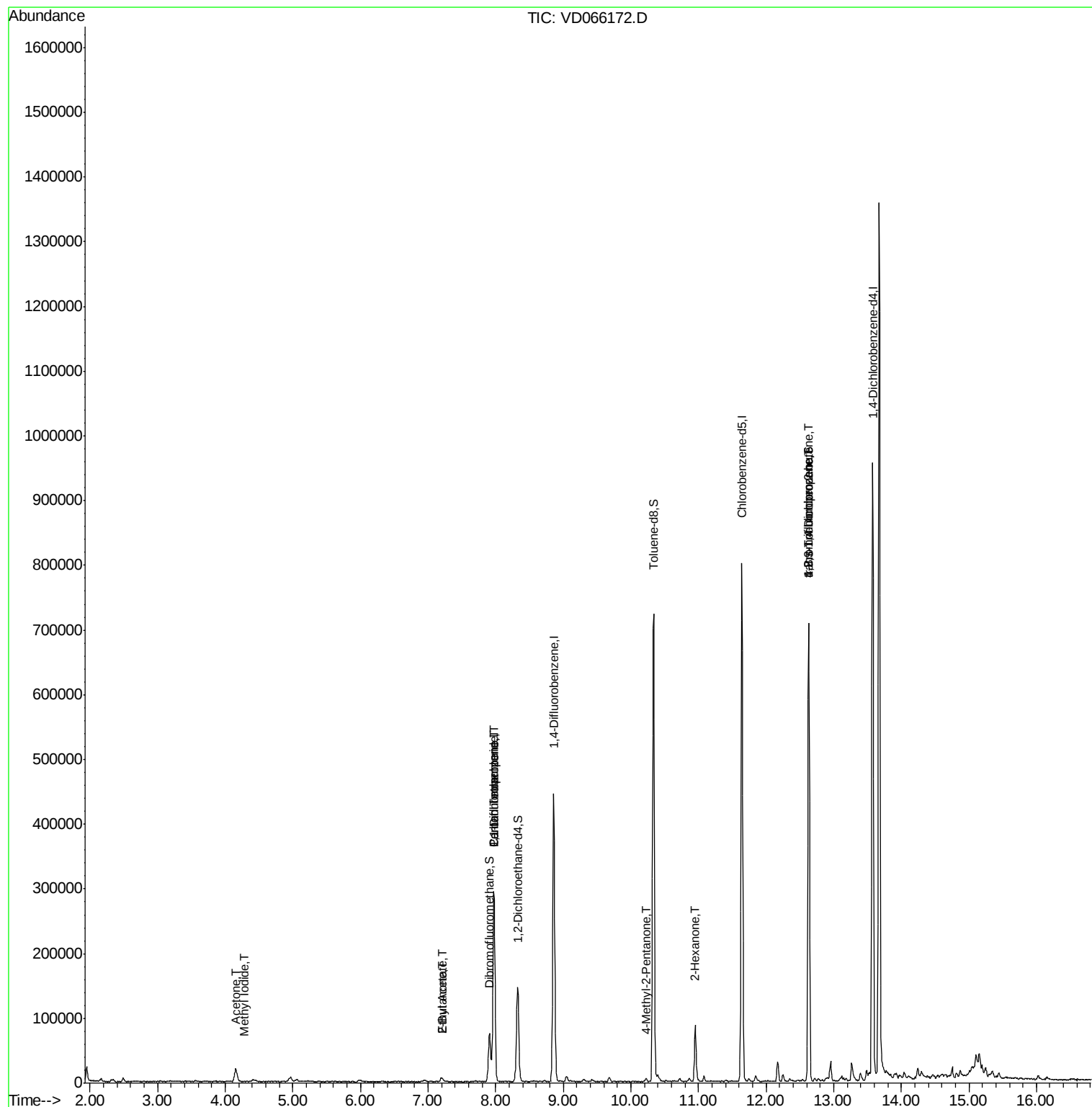
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	55	6.735	ug/l #	39
11) Tert butyl alcohol	5.23	59	2428	Below Cal	#	76
16) Acetone	4.16	43	34716	88.338	ug/l	93
20) Methylene Chloride	4.94	84	2309	Below Cal		87
25) 2-Butanone	7.21	43	6412	11.093	ug/l	94
36) 1,1-Dichloropropene	7.97	75	16038	4.324	ug/l #	52
37) Ethyl Acetate	7.21	43	6412	4.363	ug/l #	67
38) Carbon Tetrachloride	7.97	117	22286	5.388	ug/l #	13
51) 4-Methyl-2-Pentanone	10.23	43	3615	2.431	ug/l #	87
59) 2-Hexanone	10.96	43	71101	68.119	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	114338	51.727	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	114338	114.345	ug/l #	13

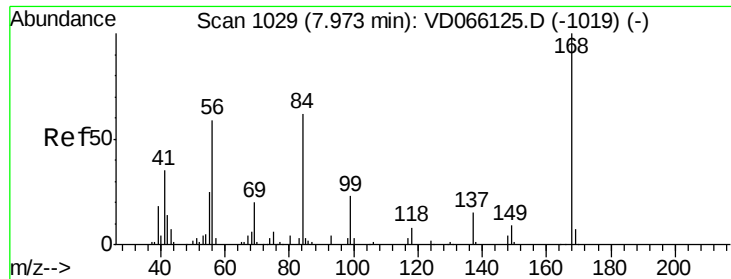
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FK-0D015-03-017RE

Quant Time: Aug 11 04:36:23 2020
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066172.D

Acq: 10 Aug 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

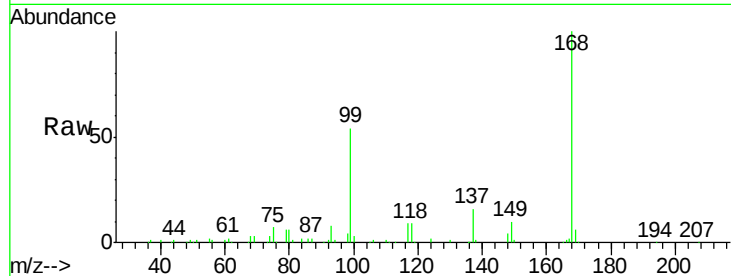
FK-0D015-03-017RE

Tot Ion:168 Resp: 232154

Ion Ratio Lower Upper

168 100

99 53.9 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

120000

100000

80000

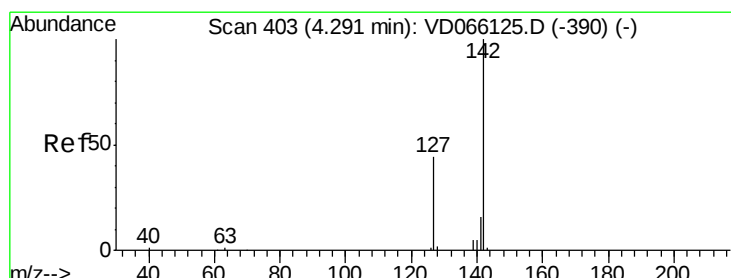
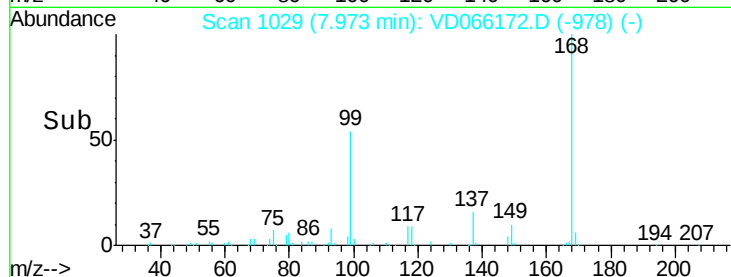
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.735 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.00 min

Lab File: VD066172.D

Acq: 10 Aug 2020 18:49

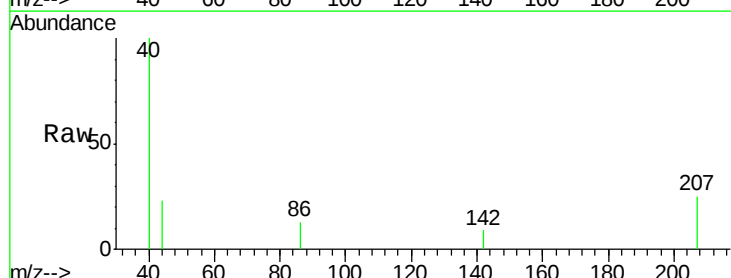
Tgt Ion:142 Resp: 55

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

200

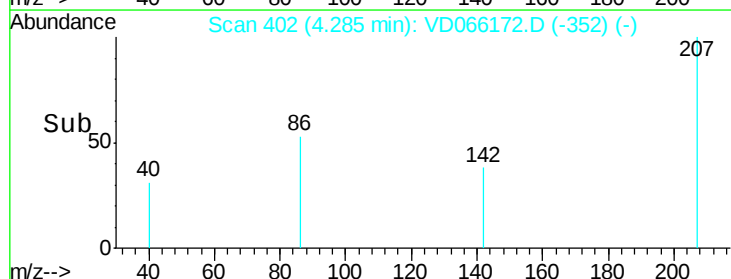
150

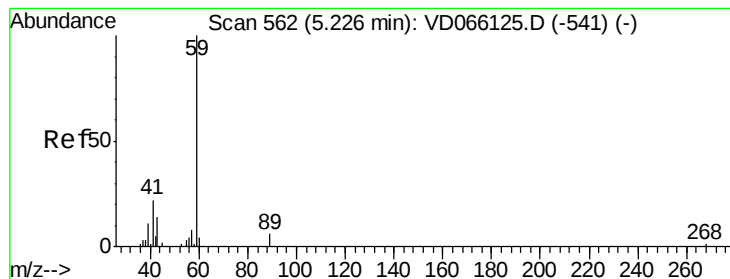
100

50

0

Time-->



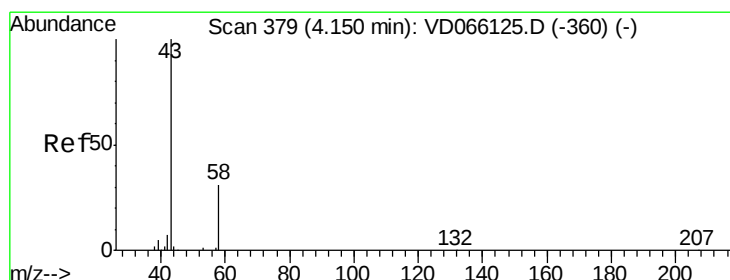
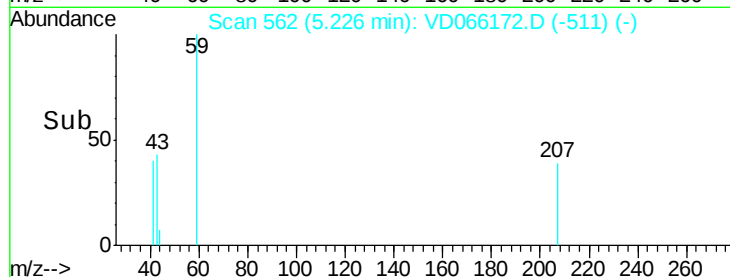
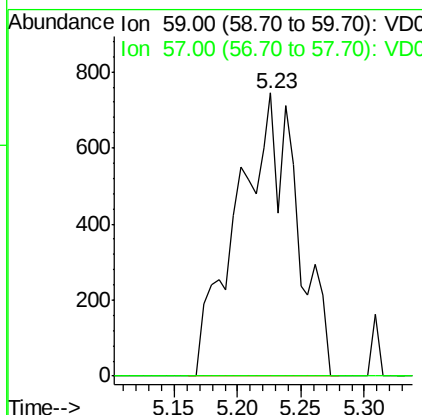
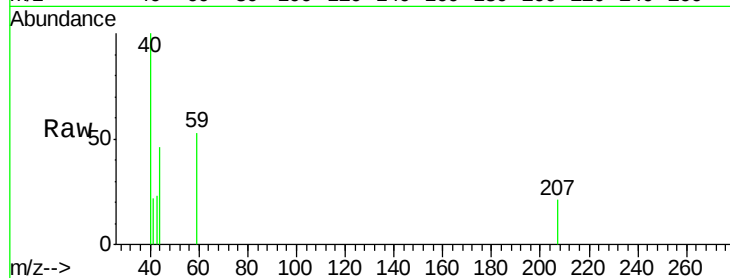


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066172.D
 Acq: 10 Aug 2020 18:49

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-017RE

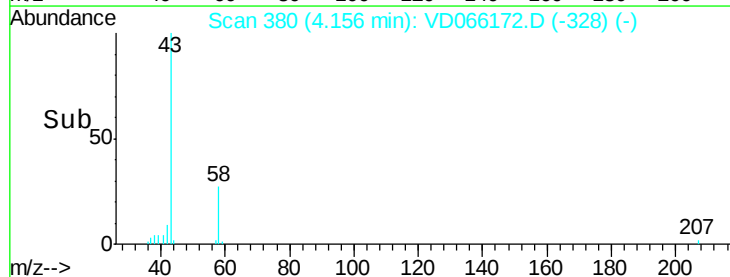
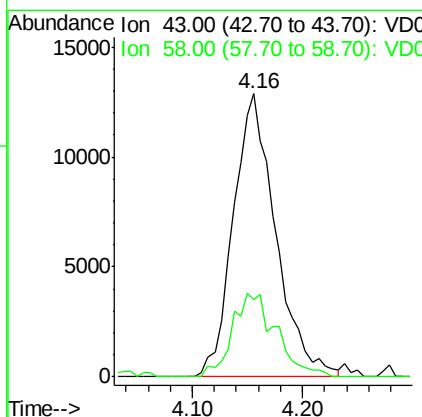
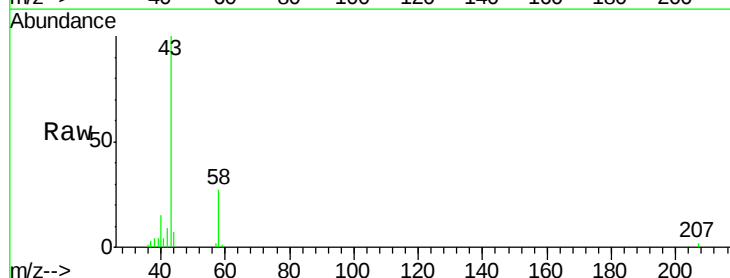
Tot Ion: 59 Resp: 2428
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

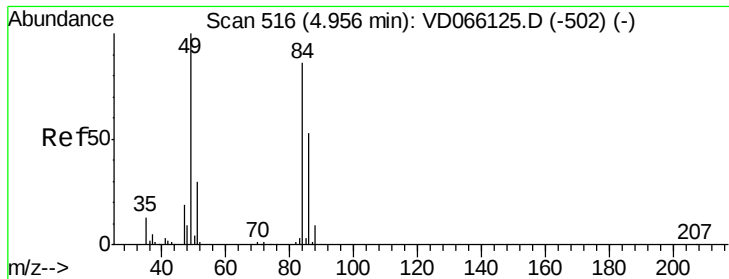


#16

Acetone
 Concen: 88.338 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066172.D
 Acq: 10 Aug 2020 18:49

Tgt Ion: 43 Resp: 34716
 Ion Ratio Lower Upper
 43 100
 58 27.1 24.7 37.1

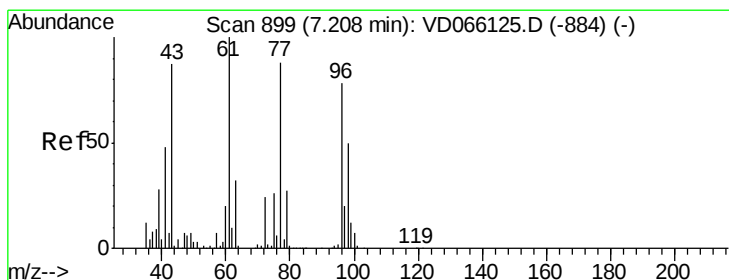
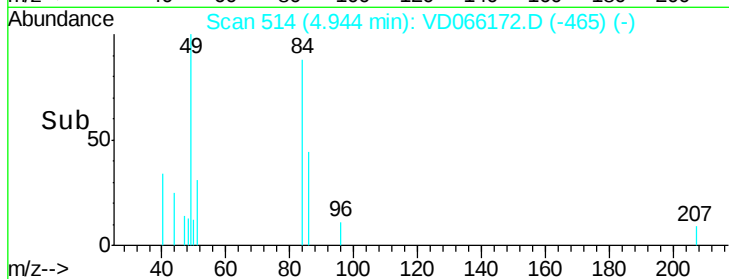
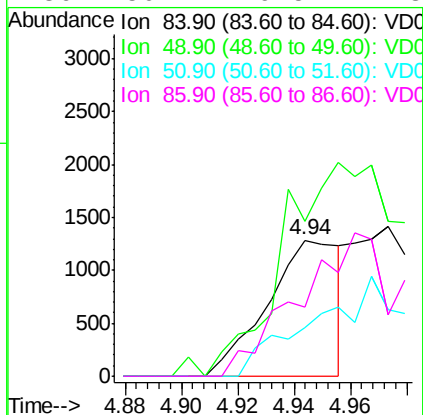
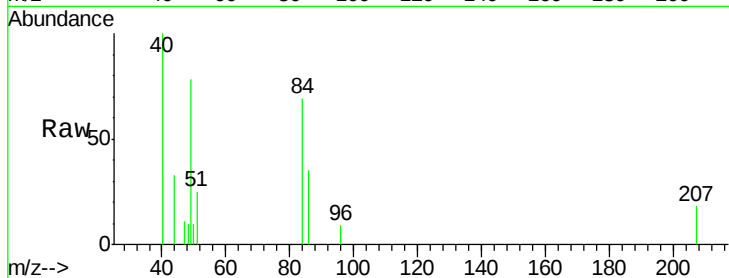




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.94 min Scan# 514
Delta R.T. -0.01 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

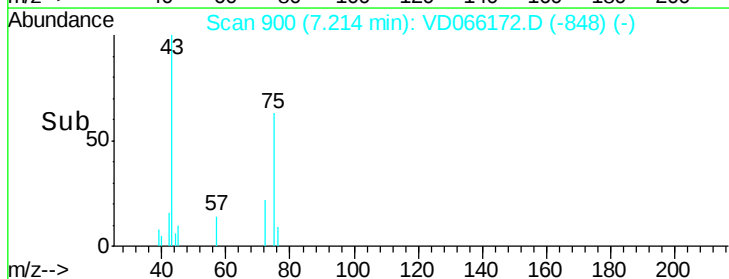
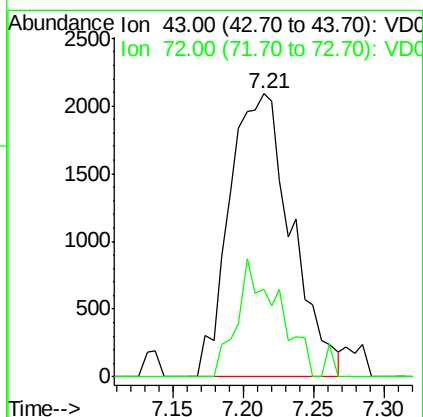
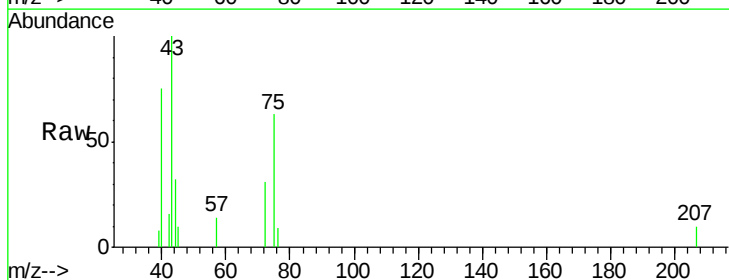
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-017RE

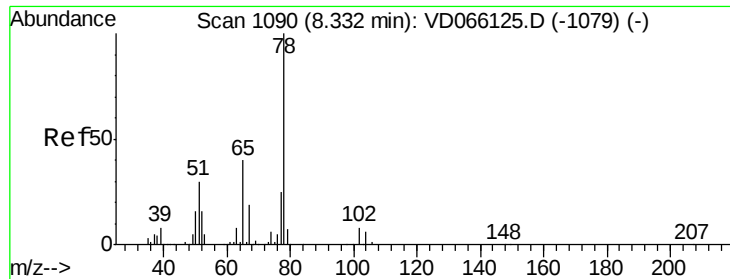
Tot Ion:	84	Resp:	2309
Ion	Ratio	Lower	Upper
84	100		
49	100.3	93.5	140.3
51	35.8	28.2	42.4
86	50.7	49.5	74.3



#25
2-Butanone
Concen: 11.093 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

Tgt Ion:	43	Resp:	6412
Ion	Ratio	Lower	Upper
43	100		
72	30.8	22.2	33.2

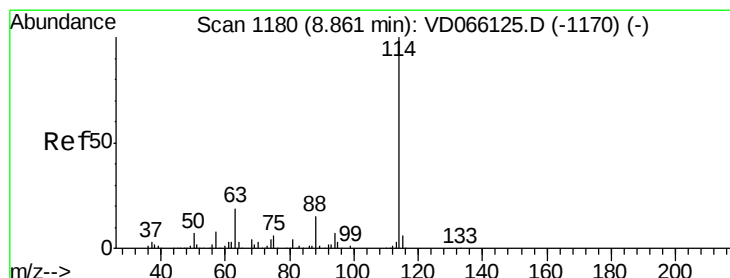
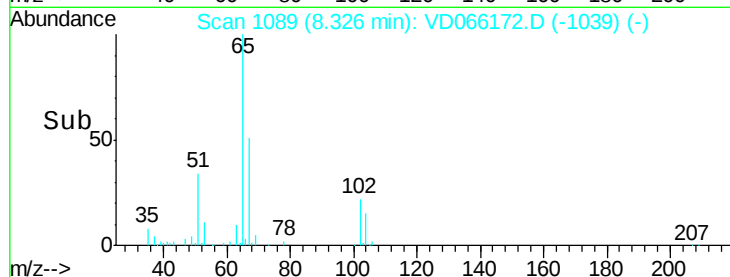
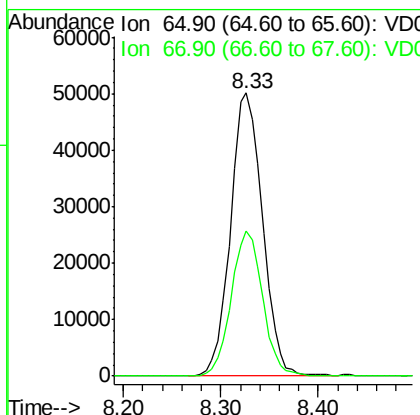
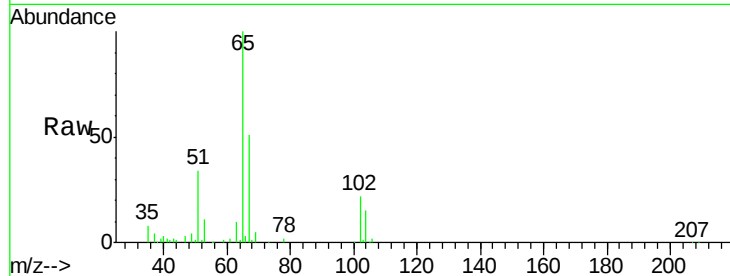




#33
 1,2-Dichloroethane-d4
 Concen: 55.140 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066172.D
 Acq: 10 Aug 2020 18:49

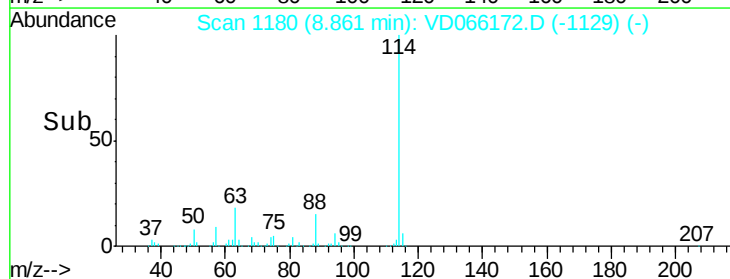
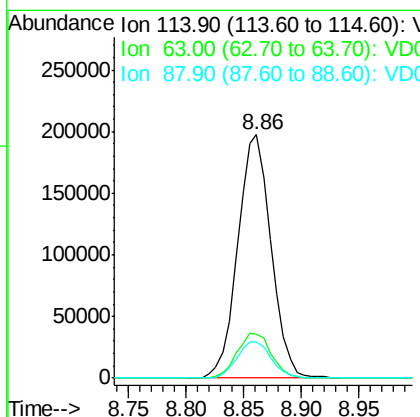
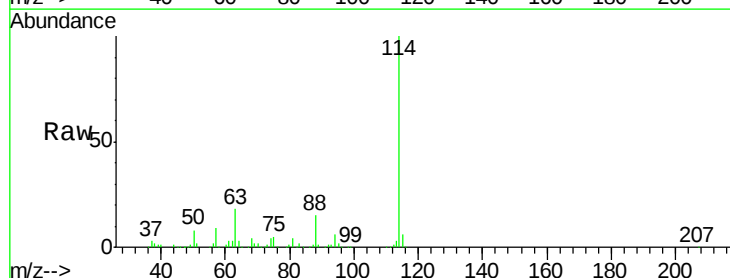
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-017RE

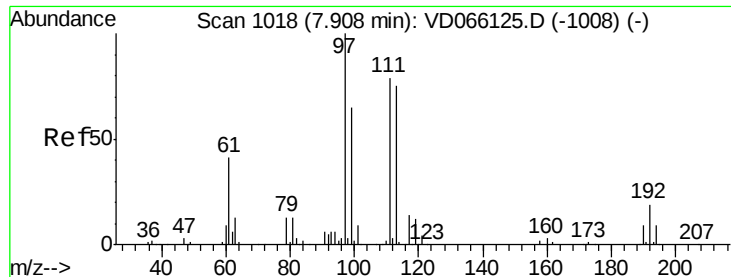
Tot Ion: 65 Resp: 114204
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066172.D
 Acq: 10 Aug 2020 18:49

Tgt Ion: 114 Resp: 394696
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.6
 88 15.1 0.0 30.0

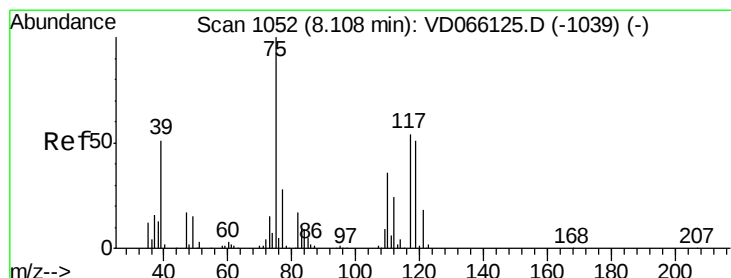
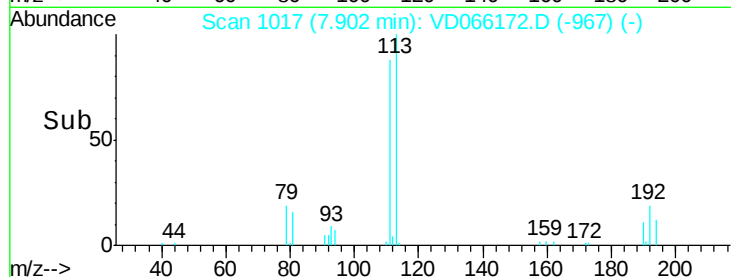
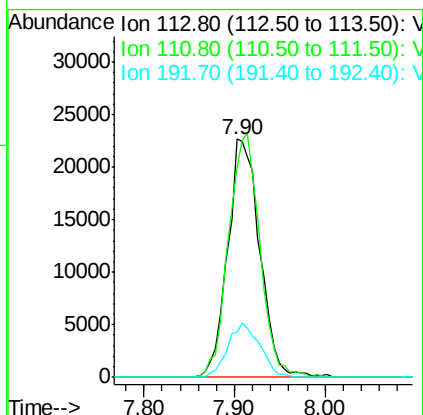
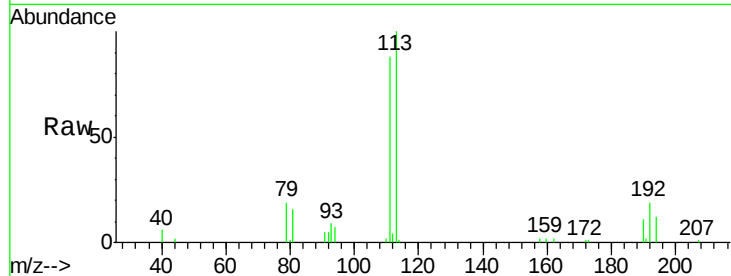




#35
Dibromofluoromethane
Concen: 22.399 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

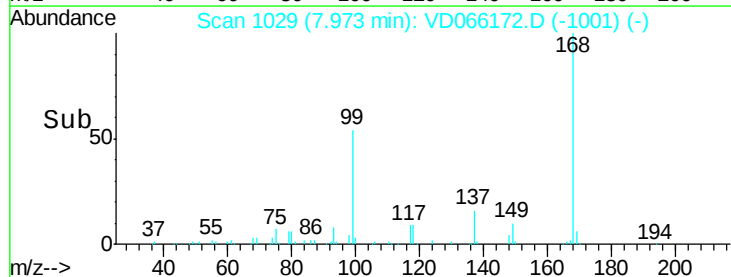
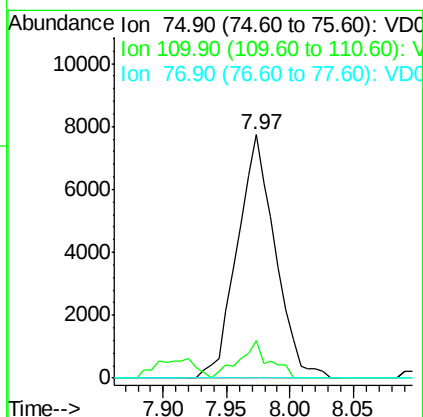
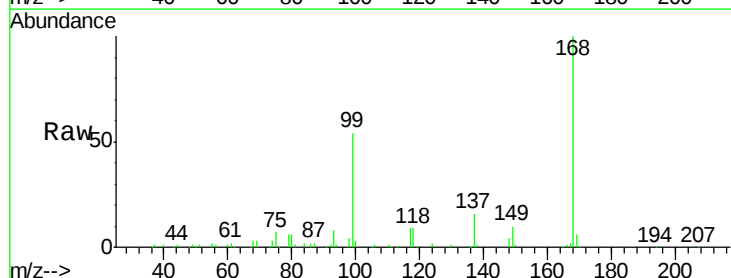
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-017RE

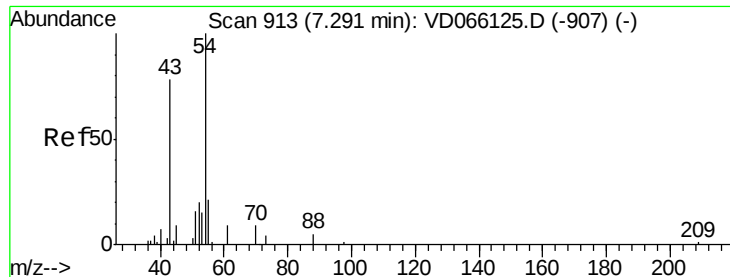
Tot Ion:113 Resp: 56005
Ion Ratio Lower Upper
113 100
111 99.1 80.7 121.1
192 22.5 18.4 27.6



#36
1,1-Dichloropropene
Concen: 4.324 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

Tgt Ion: 75 Resp: 16038
Ion Ratio Lower Upper
75 100
110 12.1 18.8 56.3#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 4.363 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066172.D

Acq: 10 Aug 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-017RE

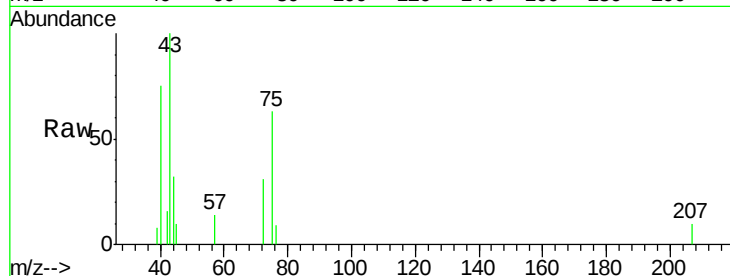
Tot Ion: 43 Resp: 6412

Ion Ratio Lower Upper

43 100

61 0.9 12.0 18.0#

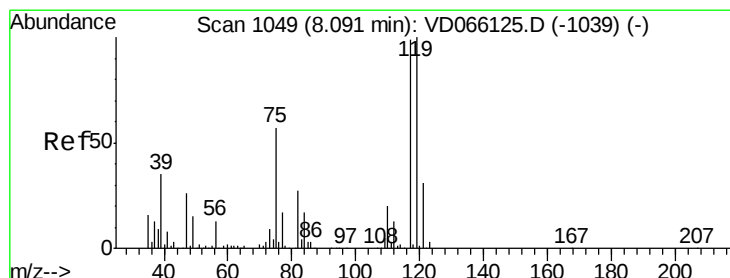
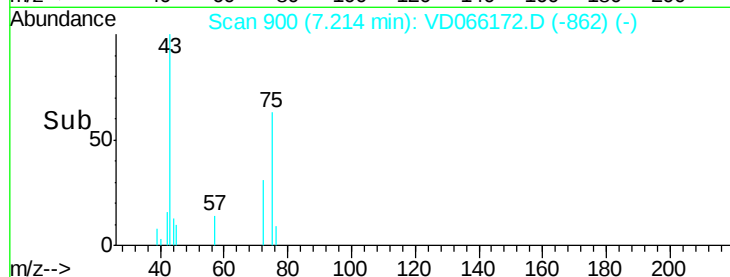
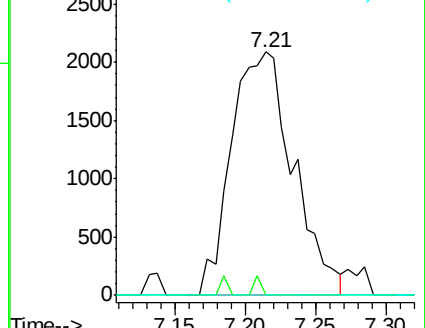
70 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.388 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.12 min

Lab File: VD066172.D

Acq: 10 Aug 2020 18:49

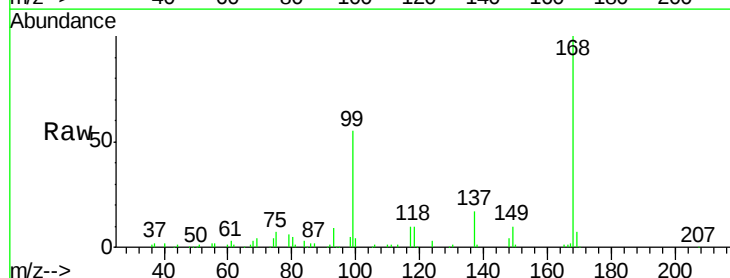
Tgt Ion: 117 Resp: 22286

Ion Ratio Lower Upper

117 100

119 4.8 81.0 121.4#

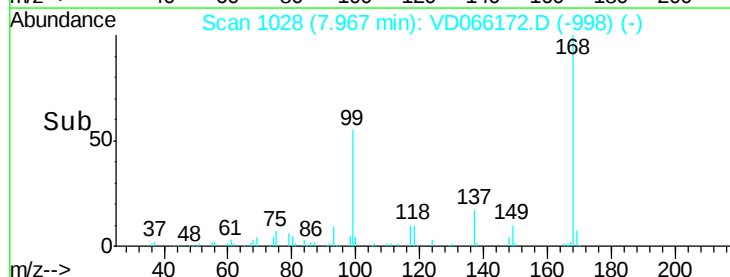
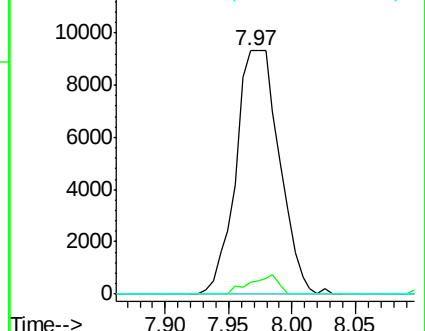
121 0.0 24.8 37.2#

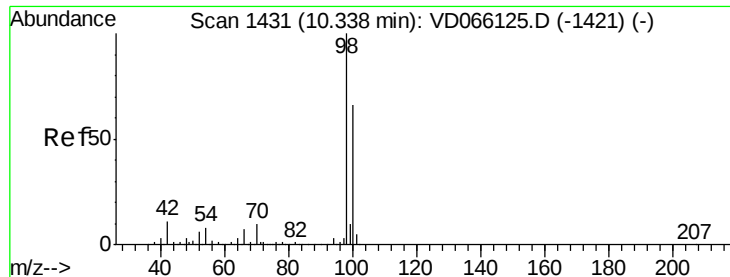


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

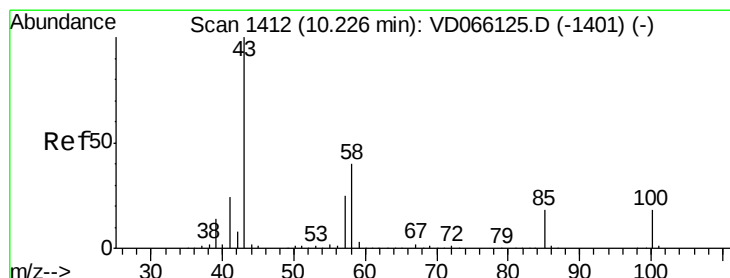
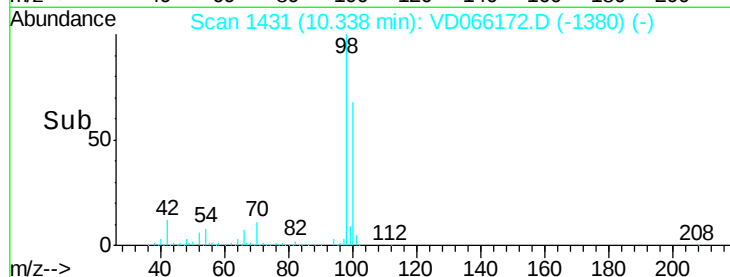
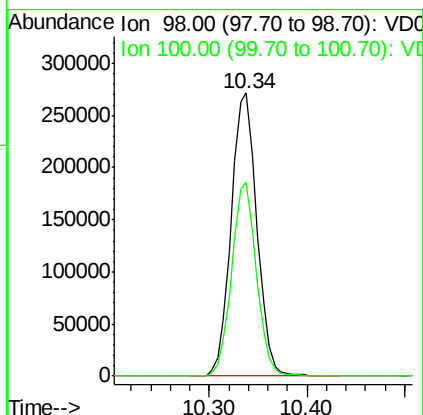
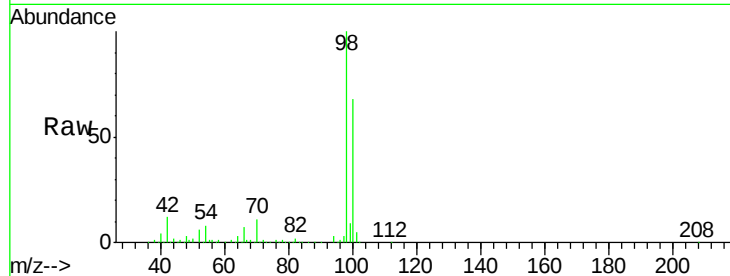




#50
Toluene-d8
Concen: 53.843 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

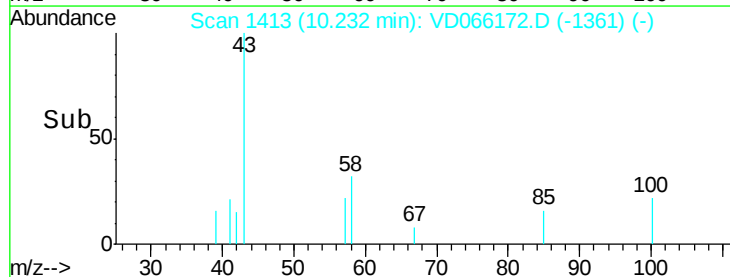
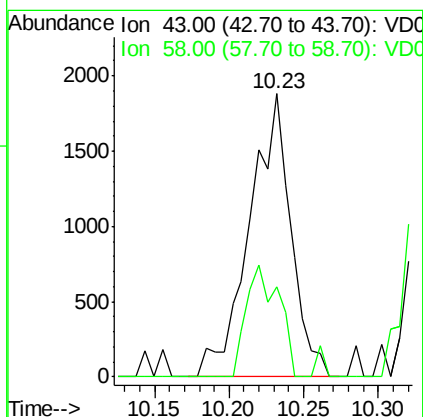
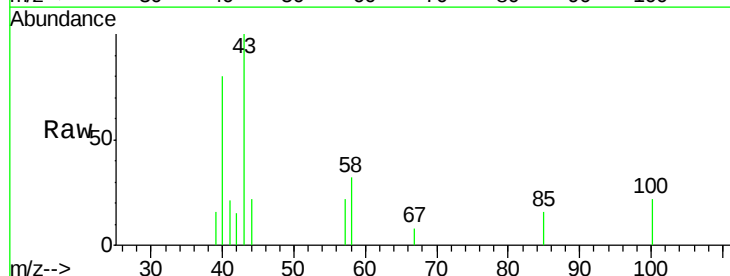
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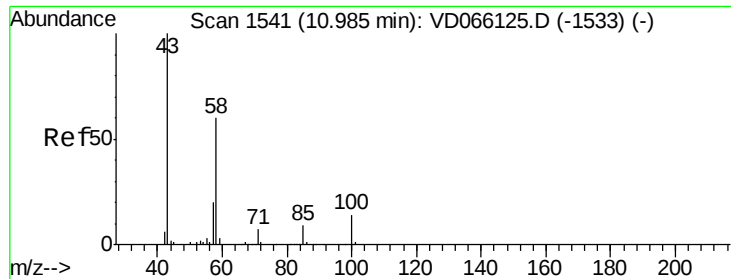
Tot Ion: 98 Resp: 496805
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.431 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.01 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

Tgt Ion: 43 Resp: 3615
Ion Ratio Lower Upper
43 100
58 30.8 31.1 46.7#

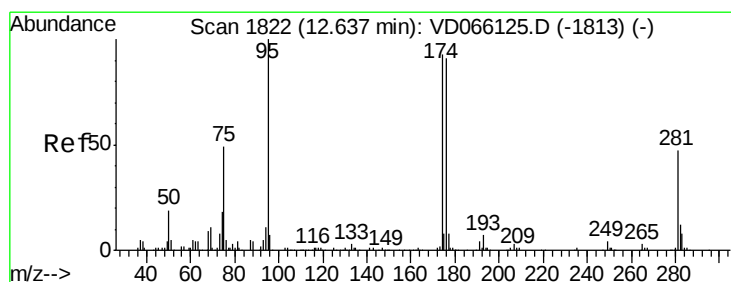
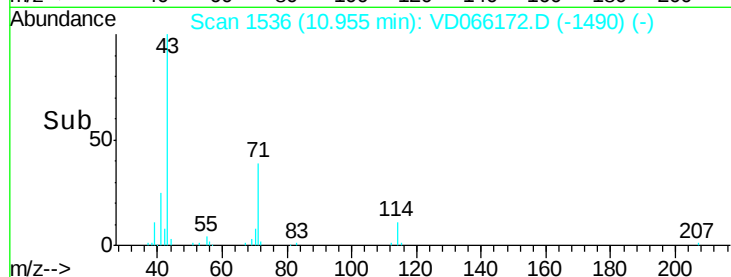
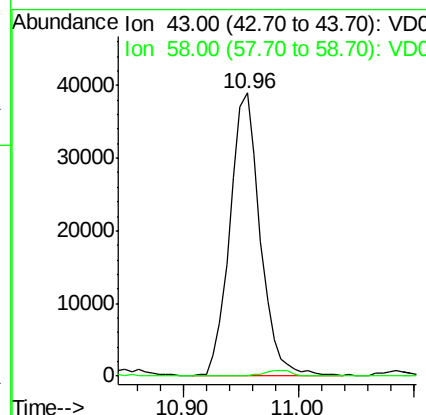
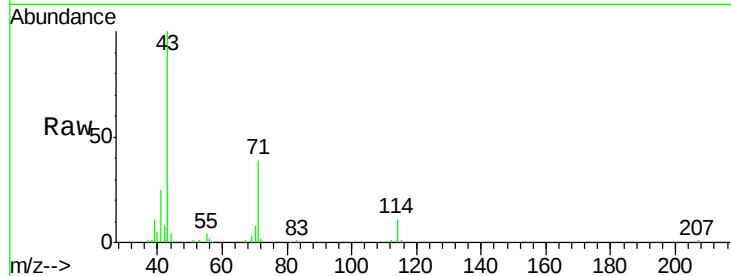




#59
2-Hexanone
Concen: 68.119 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

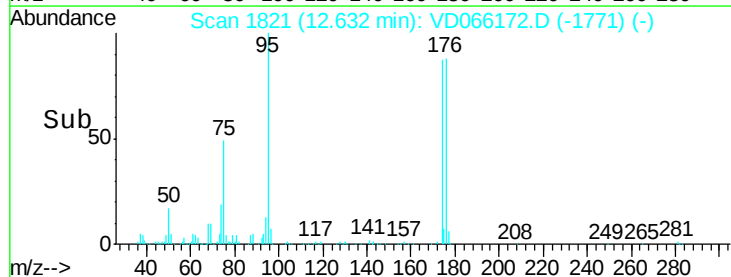
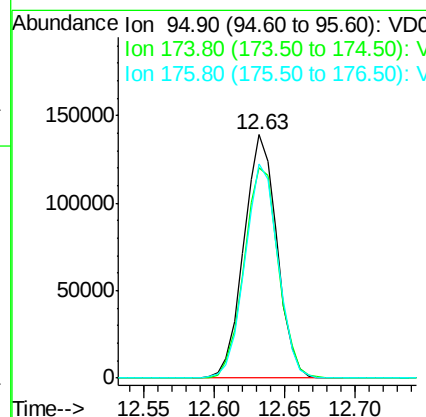
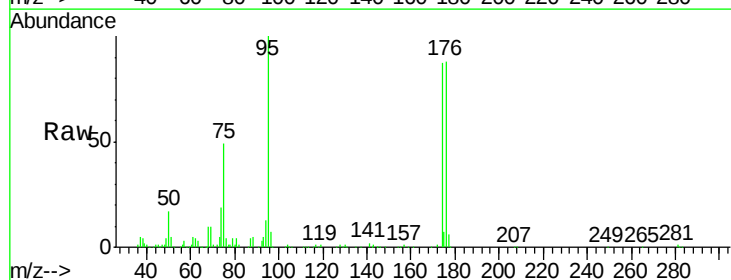
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-017RE

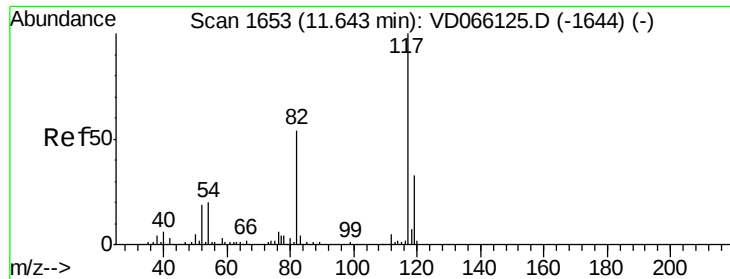
Tot Ion: 43 Resp: 71101
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 68.519 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

Tgt Ion: 95 Resp: 227891
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.8
176 88.0 0.0 181.2

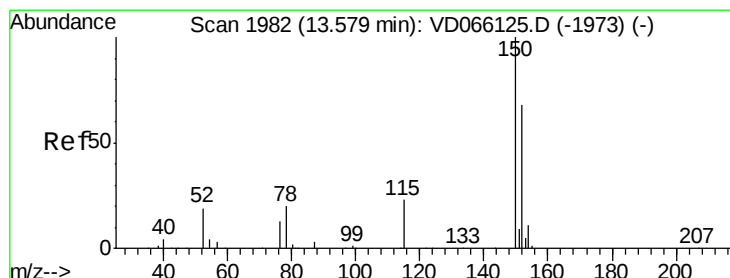
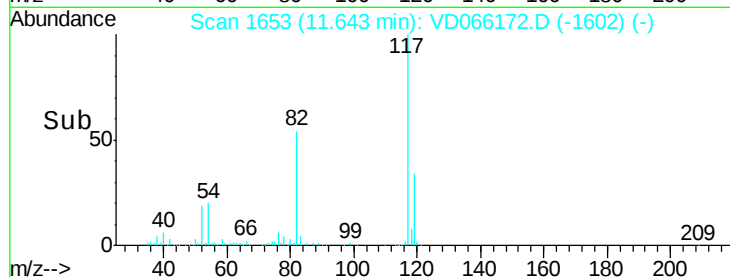
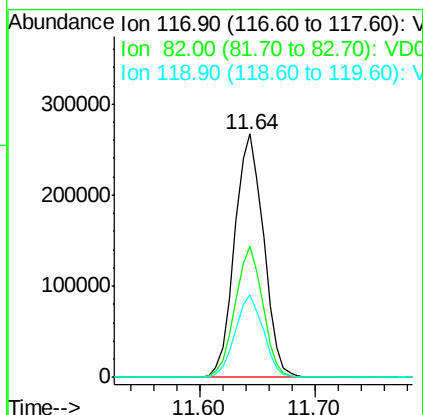
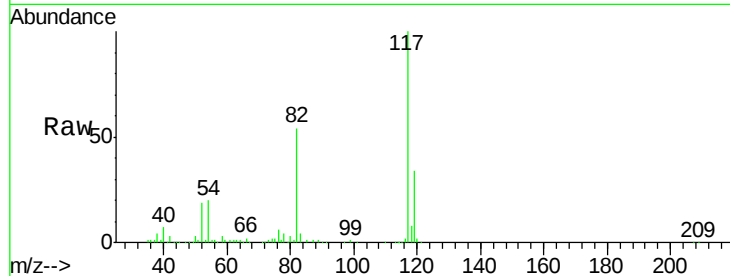




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

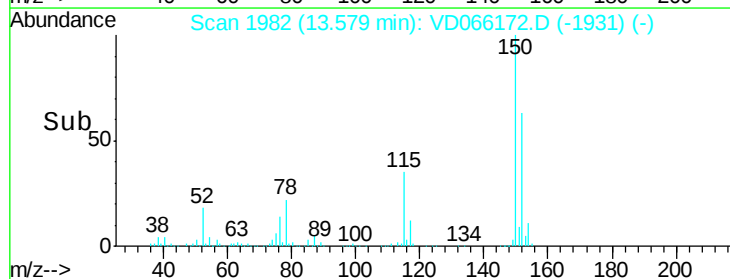
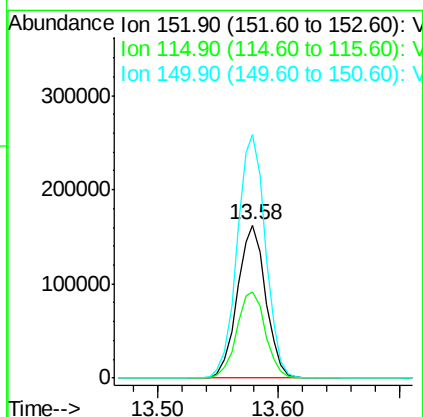
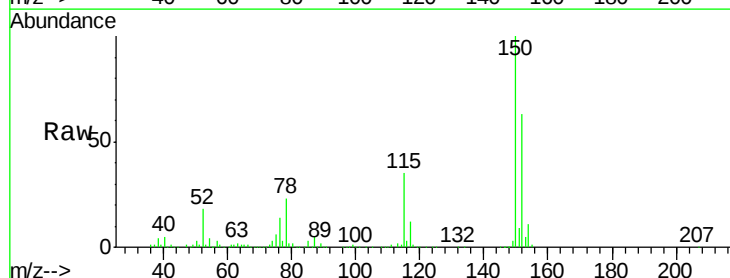
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-017RE

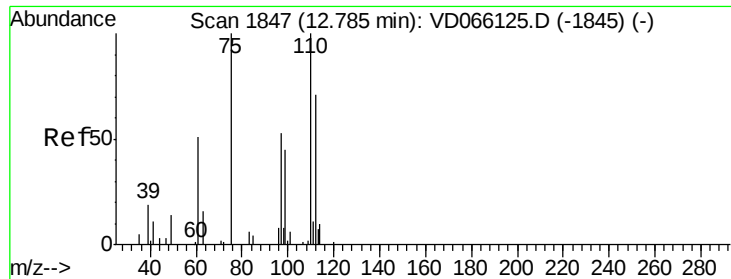
Tot Ion:117 Resp: 465116
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 33.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066172.D
Acq: 10 Aug 2020 18:49

Tgt Ion:152 Resp: 265061
Ion Ratio Lower Upper
152 100
115 57.2 28.0 83.9
150 159.5 0.0 346.4

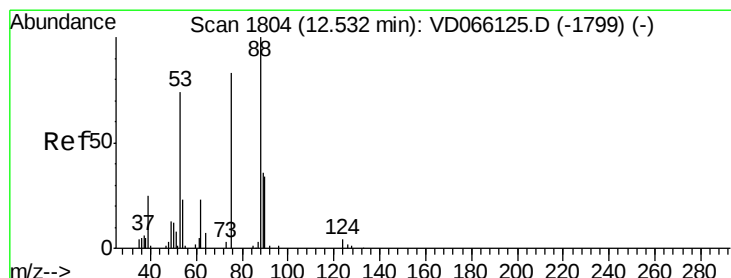
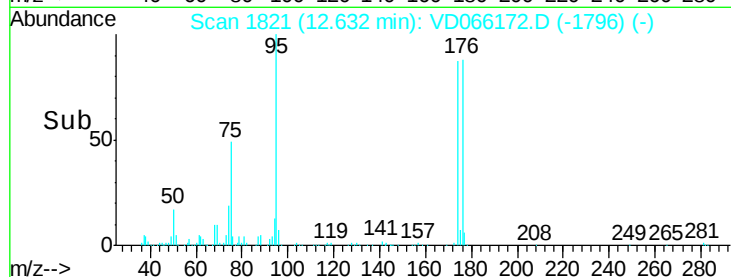
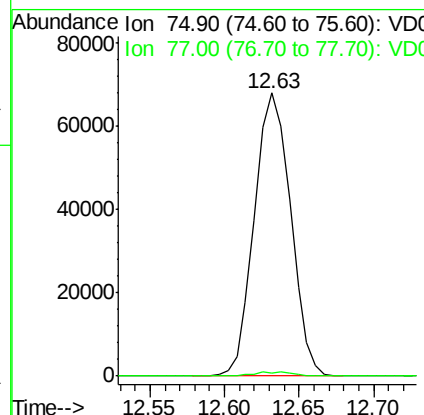
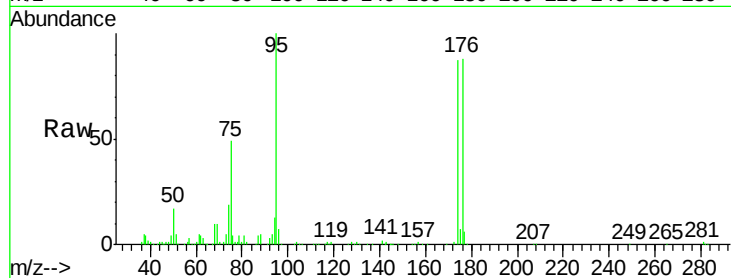




#76
 1,2,3-Trichloropropane
 Concen: 51.727 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066172.D
 Acq: 10 Aug 2020 18:49

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-017RE

Tot Ion: 75 Resp: 114338
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.345 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066172.D
 Acq: 10 Aug 2020 18:49

Tgt Ion: 75 Resp: 114338
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.0 36.6 55.0#

