

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066145.D
 Acq On : 06 Aug 2020 20:07
 Operator : VA/SY
 Sample : L3575-02
 Misc : 6.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-016

Quant Time: Aug 07 01:31:25 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	7.98	168	273505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	556076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302411	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	130733	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
35) Dibromofluoromethane	7.91	113	59316	19.27	ug/l	0.00
Spiked Amount			Recovery	=	38.54%	
50) Toluene-d8	10.34	98	606315	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.64	95	274886	67.14	ug/l	0.00
Spiked Amount			Recovery	=	134.28%	

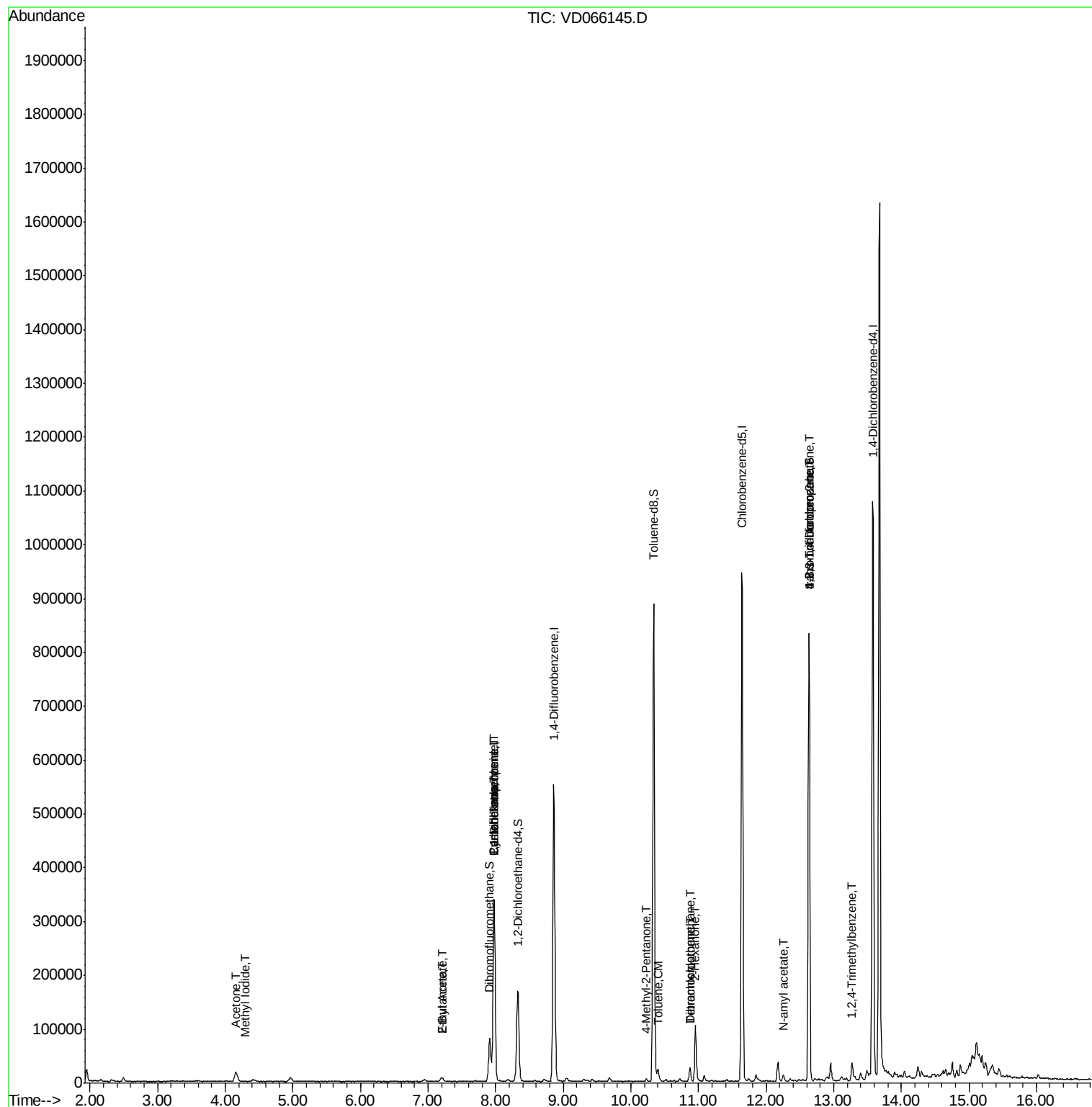
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	115	6.754	ug/l #	39
11) Tert butyl alcohol	5.23	59	2398	Below Cal	#	76
16) Acetone	4.16	43	33643	72.665	ug/l	99
20) Methylene Chloride	4.96	84	5745	Below Cal		91
25) 2-Butanone	7.21	43	7319	10.748	ug/l #	86
31) Cyclohexane	7.97	56	5571	1.303	ug/l #	6
36) 1,1-Dichloropropene	7.97	75	18165	3.979	ug/l #	44
37) Ethyl Acetate	7.21	43	7319	4.046	ug/l #	66
38) Carbon Tetrachloride	7.97	117	25863	5.080	ug/l #	14
51) 4-Methyl-2-Pentanone	10.23	43	4306	2.352	ug/l	92
52) Toluene	10.40	92	9258	1.111	ug/l	88
59) 2-Hexanone	10.96	43	83022	64.613	ug/l #	24
60) Dibromochloromethane	10.88	129	5154	1.519	ug/l #	11
64) Tetrachloroethene	10.88	164	6128	1.435	ug/l	95
74) N-amyl acetate	12.25	43	7503	1.688	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	133616	52.982	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133616	117.121	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.27	105	17629	1.043	ug/l	92

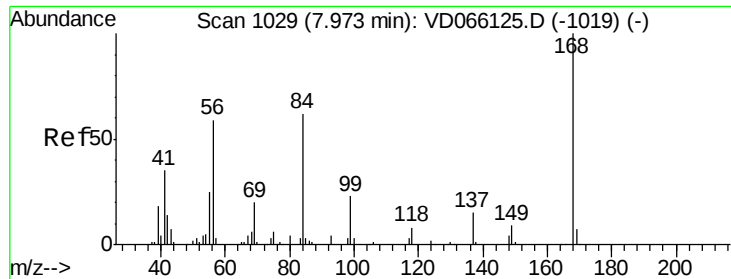
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

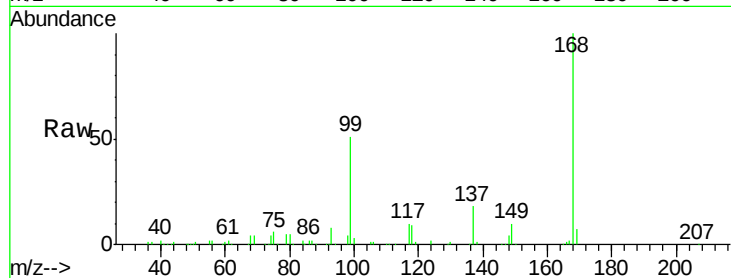
FK-0D015-03-016

Tot Ion:168 Resp: 273505

Ion Ratio Lower Upper

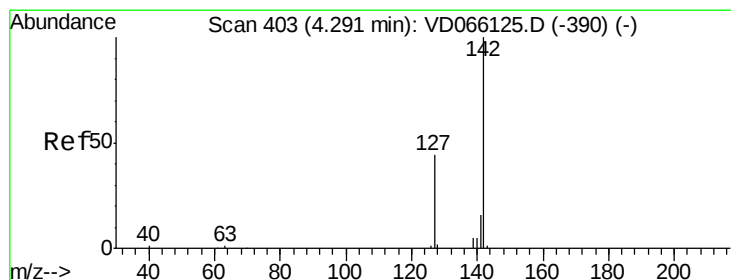
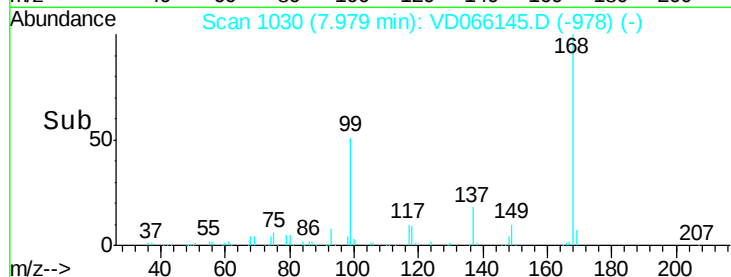
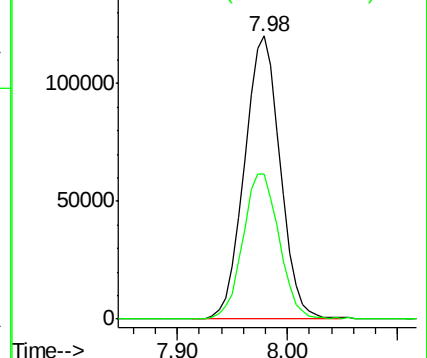
168 100

99 51.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 6.754 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

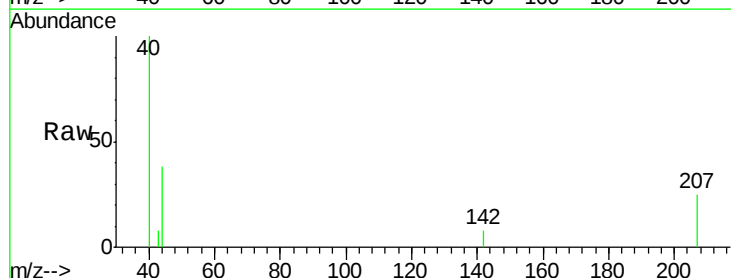
Tgt Ion:142 Resp: 115

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

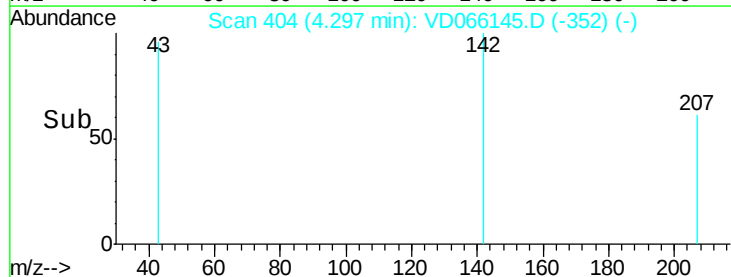
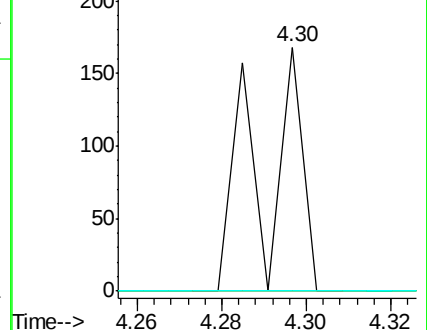
141 0.0 12.6 18.8#

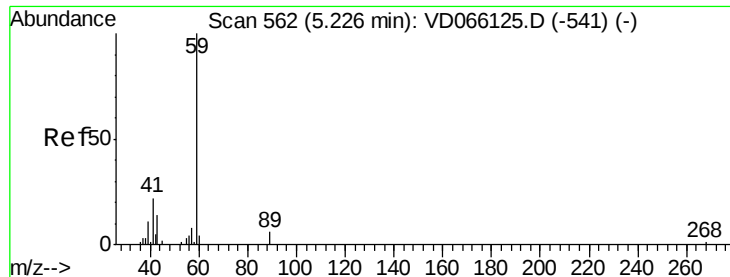


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



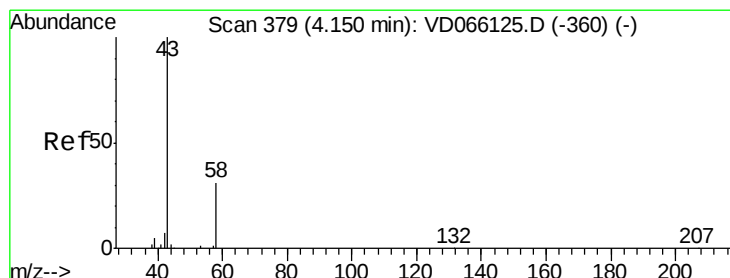
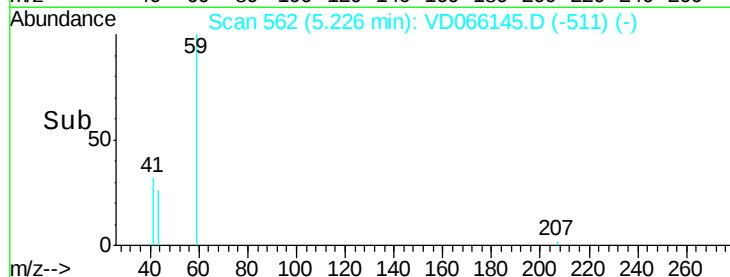
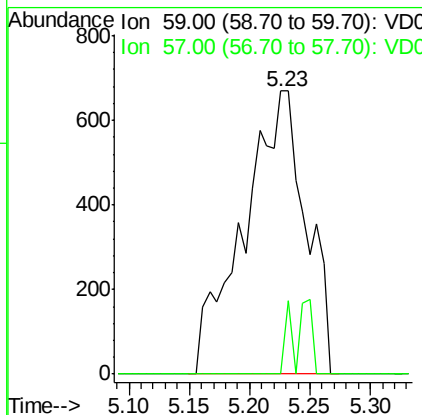
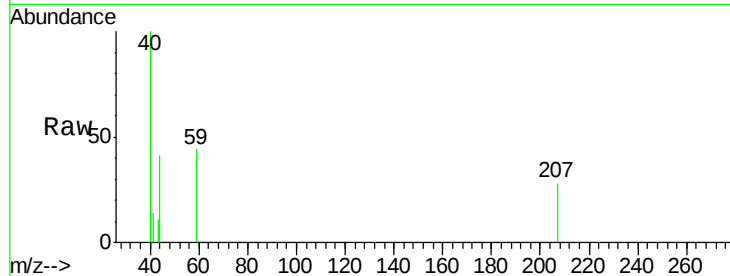


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066145.D
 Acq: 06 Aug 2020 20:07

Instrument :
 MSVOA_D
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 FK-0D015-03-016

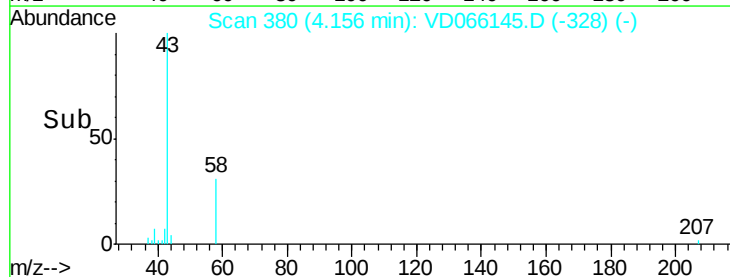
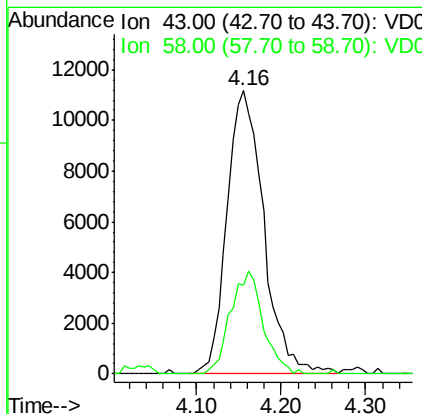
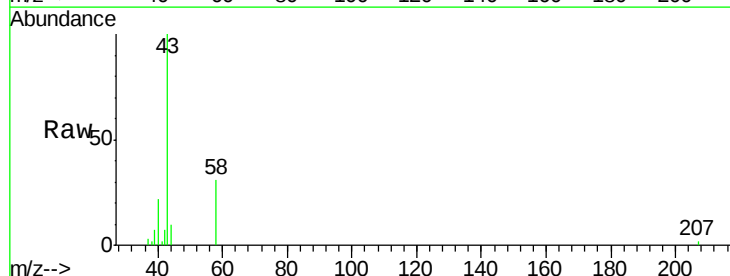
Tot Ion: 59 Resp: 2398
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

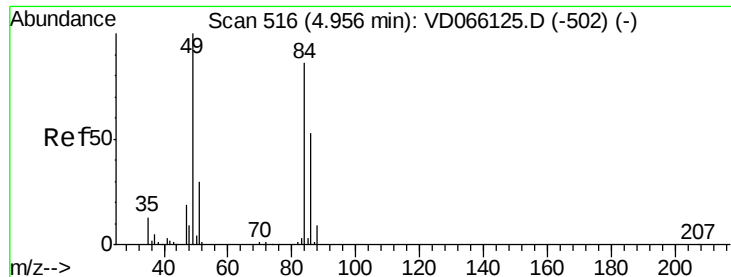


#16

Acetone
 Concen: 72.665 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066145.D
 Acq: 06 Aug 2020 20:07

Tgt Ion: 43 Resp: 33643
 Ion Ratio Lower Upper
 43 100
 58 31.2 24.7 37.1

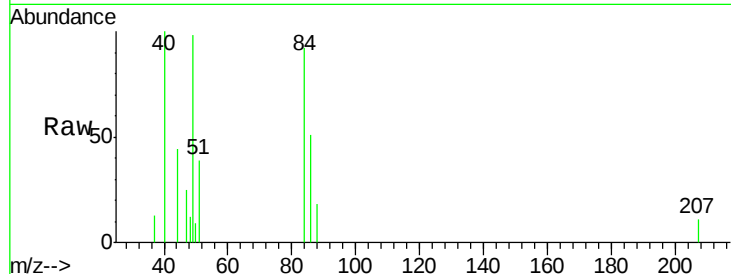




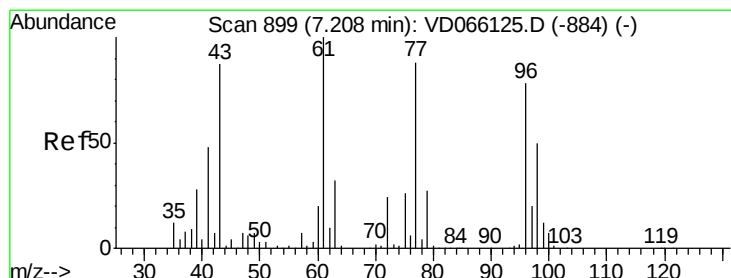
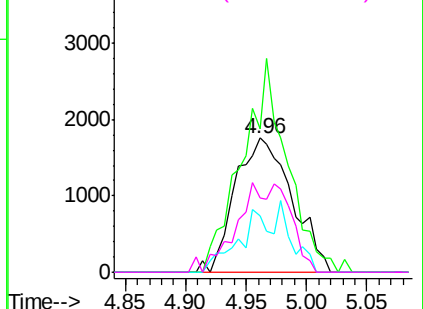
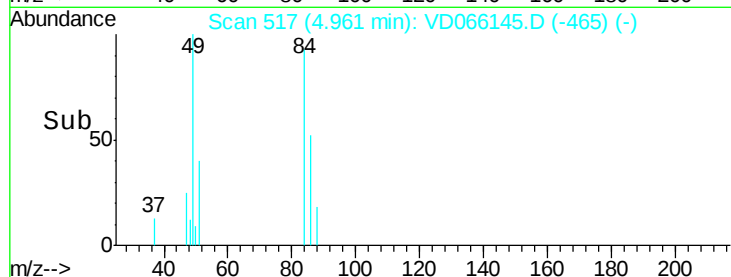
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-016

Tot Ion: 84 Resp: 5745
Ion Ratio Lower Upper
84 100
49 107.0 93.5 140.3
51 42.3 28.2 42.4
86 55.1 49.5 74.3

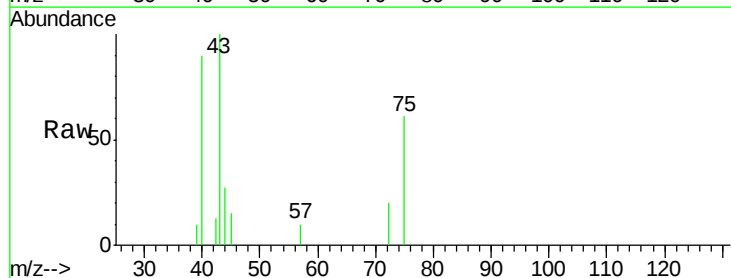


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

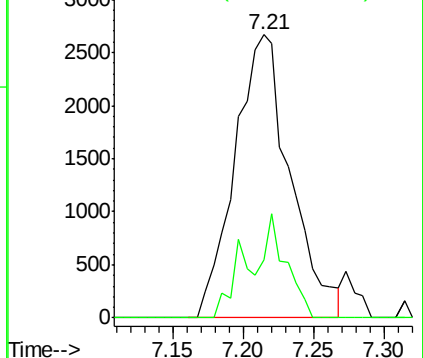
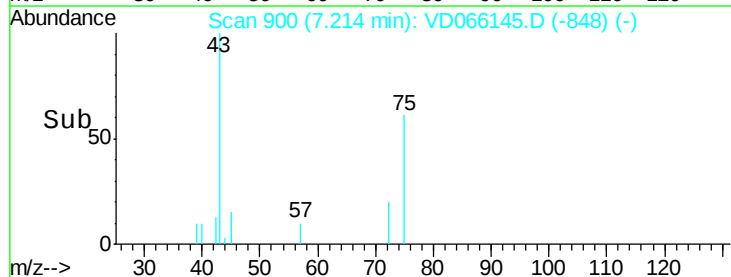


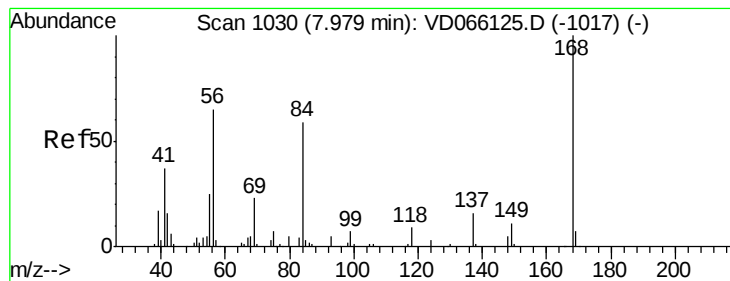
#25
2-Butanone
Concen: 10.748 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

Tgt Ion: 43 Resp: 7319
Ion Ratio Lower Upper
43 100
72 20.4 22.2 33.2#



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





#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-016

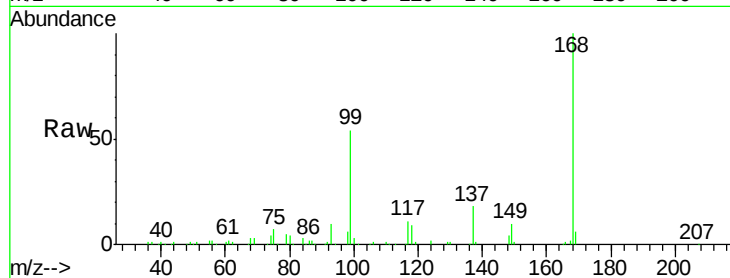
Tot Ion: 56 Resp: 5571

Ion Ratio Lower Upper

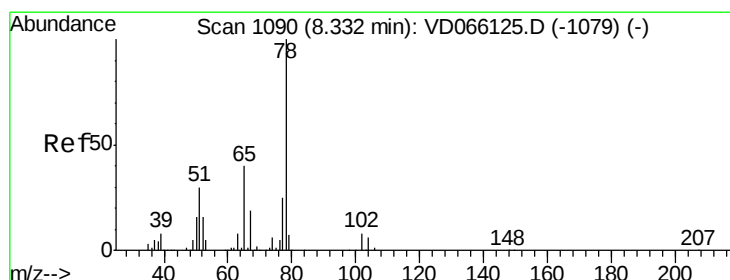
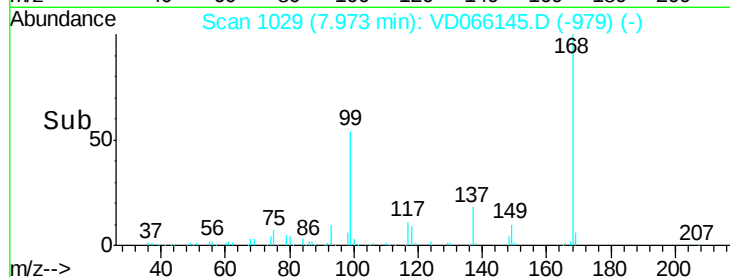
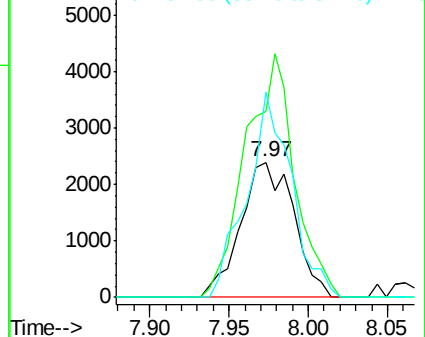
56 100

69 137.3 28.8 43.2#

84 151.4 73.0 109.6#



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: 53.577 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066145.D

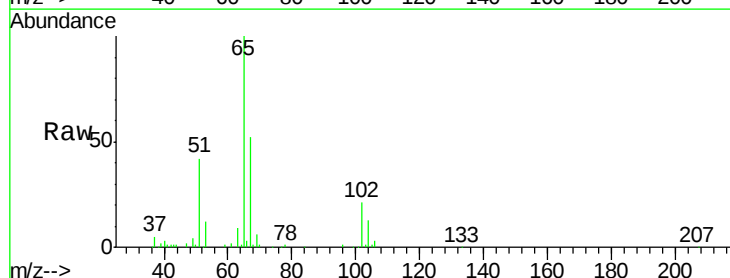
Acq: 06 Aug 2020 20:07

Tgt Ion: 65 Resp: 130733

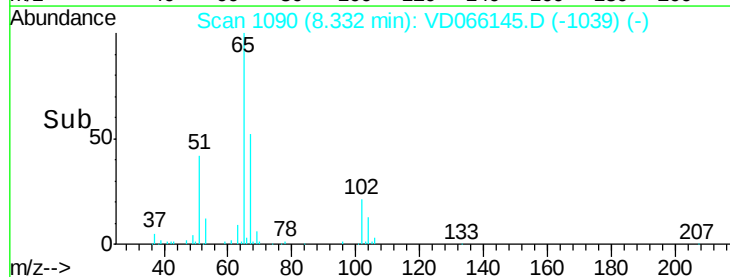
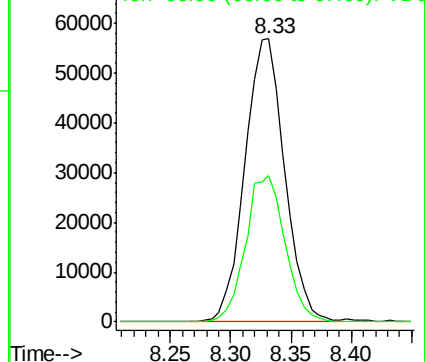
Ion Ratio Lower Upper

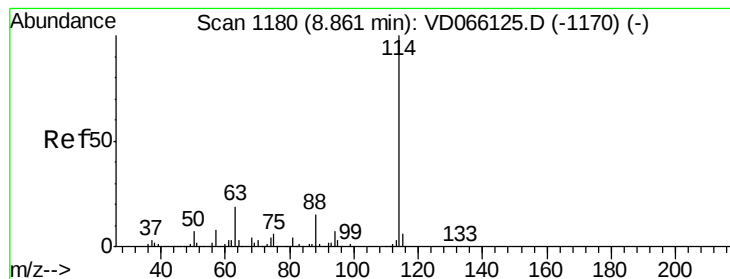
65 100

67 51.2 0.0 104.6



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: VD066145.D

Acq: 06 Aug 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-016

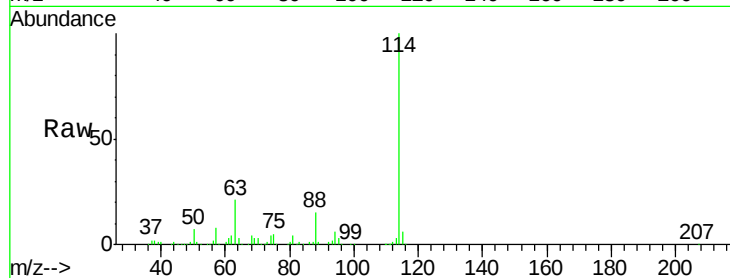
Tot Ion:114 Resp: 485878

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.6

88 14.8 0.0 30.0



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

300000

250000

200000

150000

100000

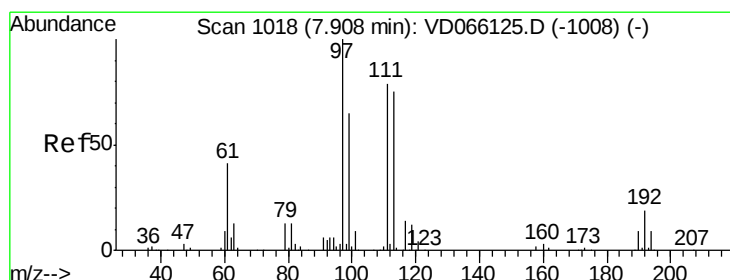
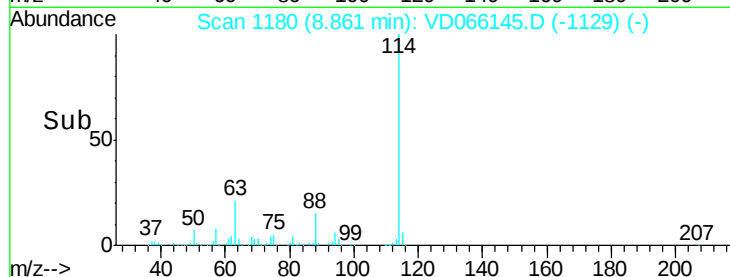
50000

0

8.86

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 19.271 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

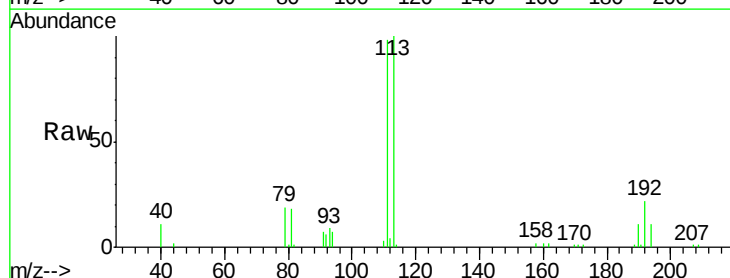
Tgt Ion:113 Resp: 59316

Ion Ratio Lower Upper

113 100

111 103.2 80.7 121.1

192 21.6 18.4 27.6



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

30000

25000

20000

15000

10000

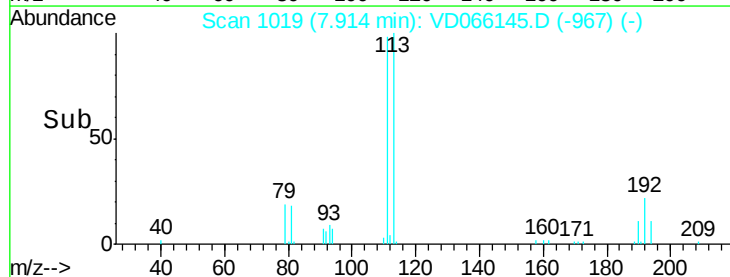
5000

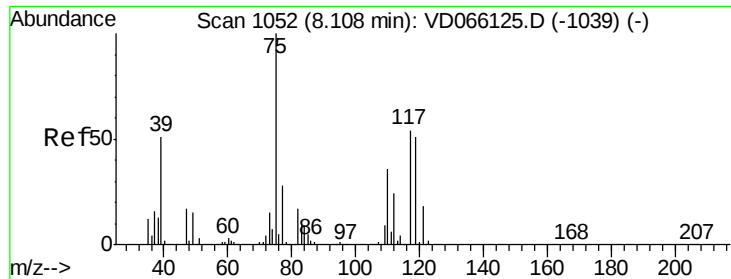
0

7.91

7.80 7.90 8.00

Time-->

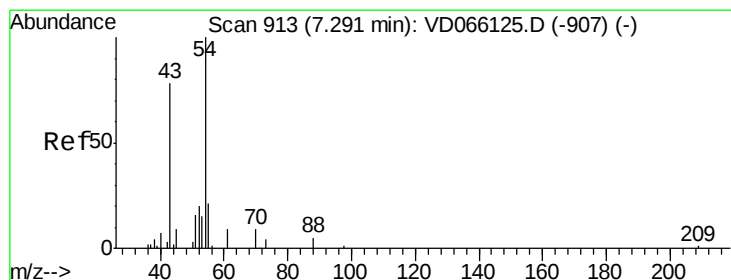
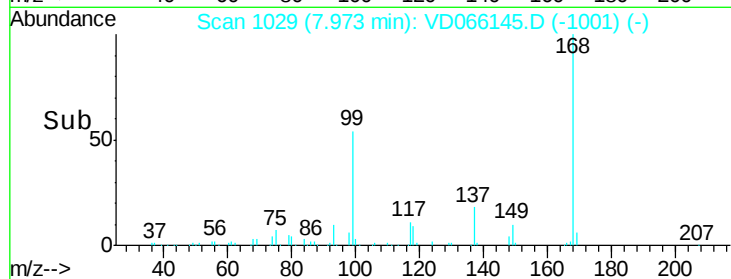
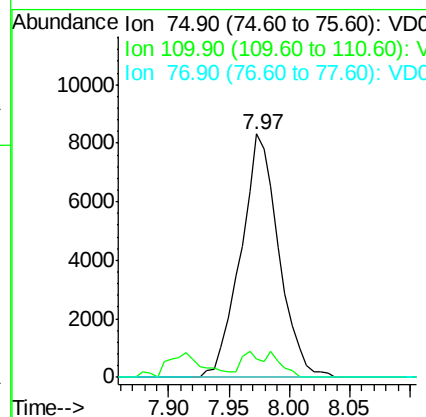
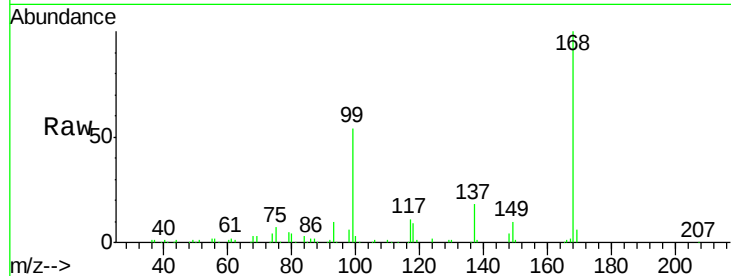




#36
 1,1-Dichloropropene
 Concen: 3.979 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066145.D
 Acq: 06 Aug 2020 20:07

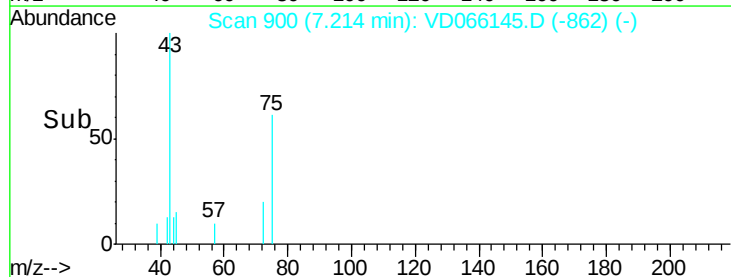
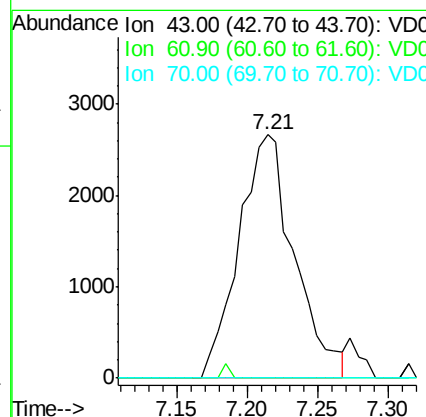
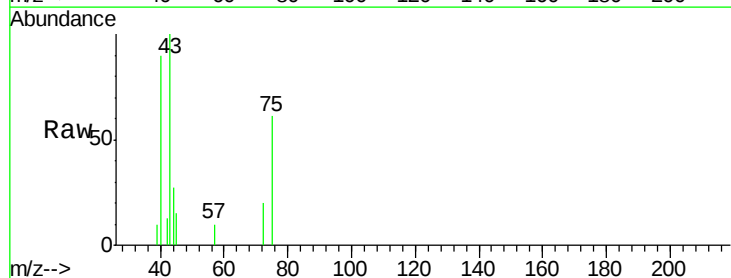
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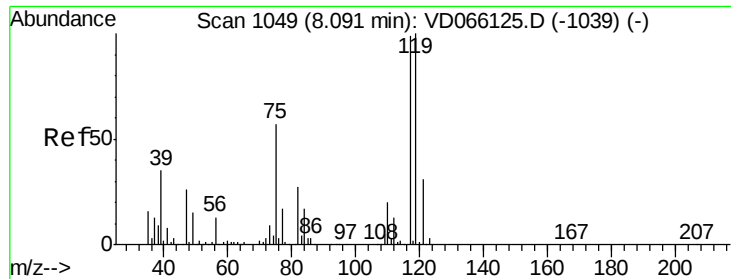
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.9	18.8	56.3#
77	0.0	24.2	36.2#



#37
 Ethyl Acetate
 Concen: 4.046 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.08 min
 Lab File: VD066145.D
 Acq: 06 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	0.0	9.7	14.5#

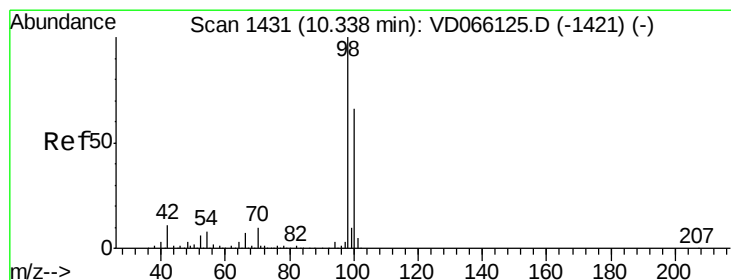
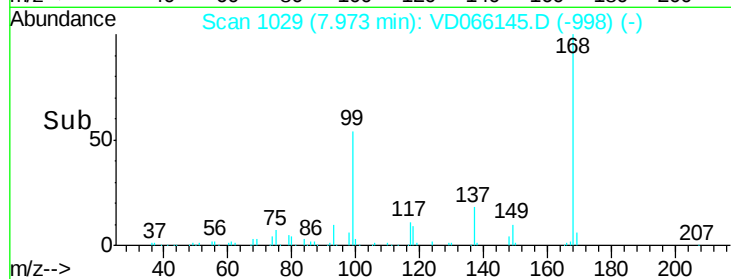
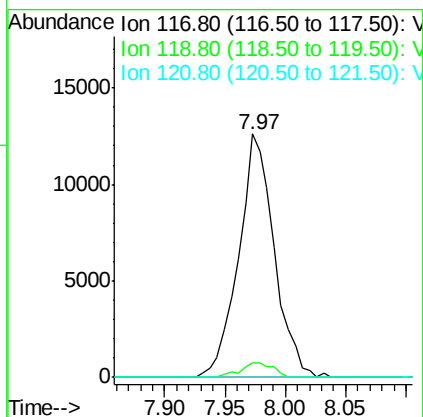
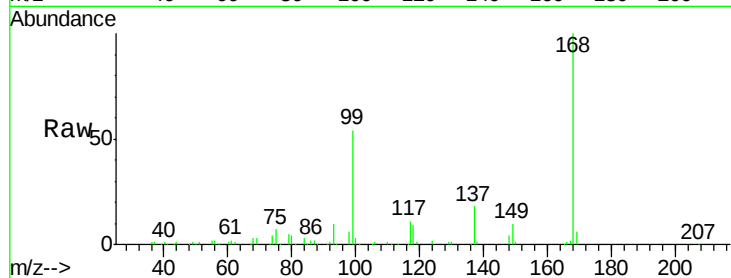




#38
Carbon Tetrachloride
Concen: 5.080 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

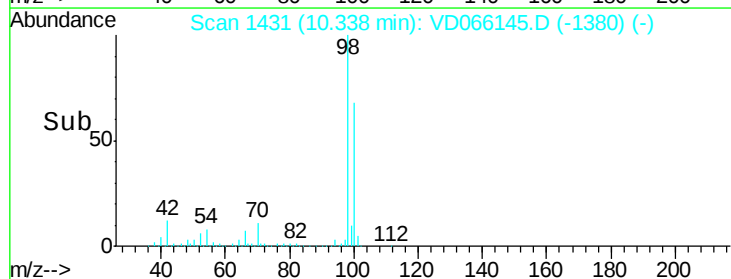
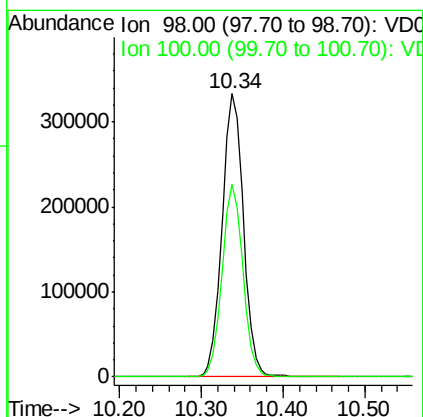
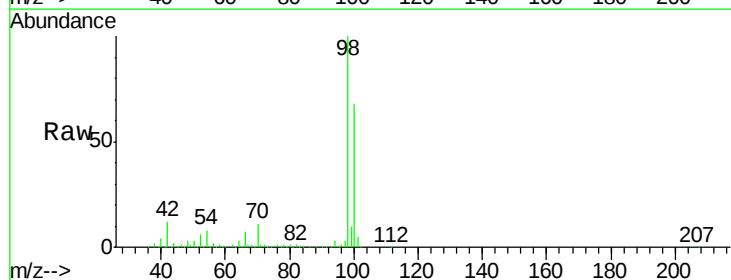
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-016

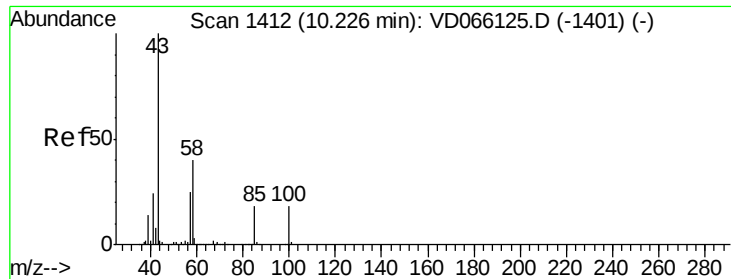
Tot Ion:117 Resp: 25863
Ion Ratio Lower Upper
117 100
119 5.9 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.380 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

Tgt Ion: 98 Resp: 606315
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8

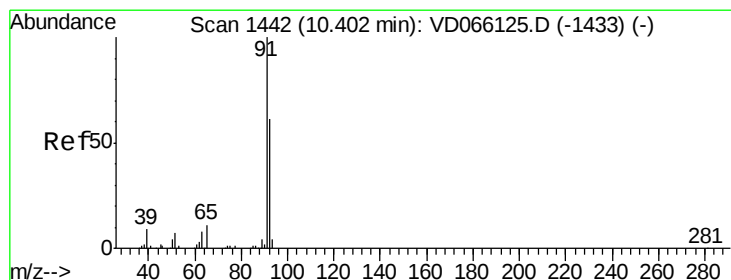
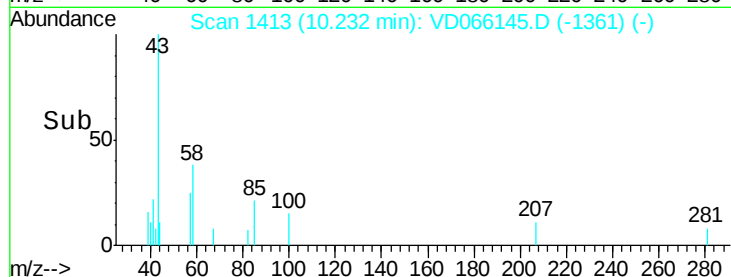
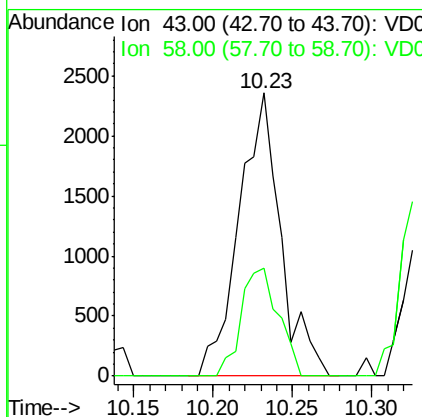
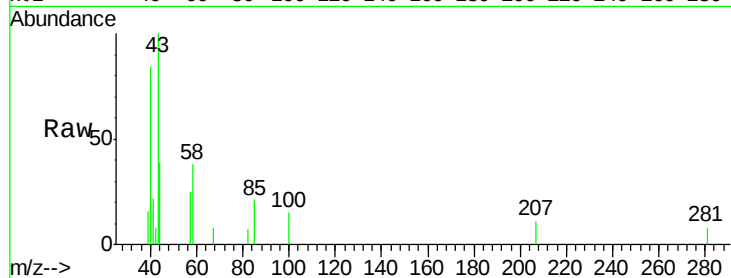




#51
 4-Methyl-2-Pentanone
 Concen: 2.352 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.01 min
 Lab File: VD066145.D
 Acq: 06 Aug 2020 20:07

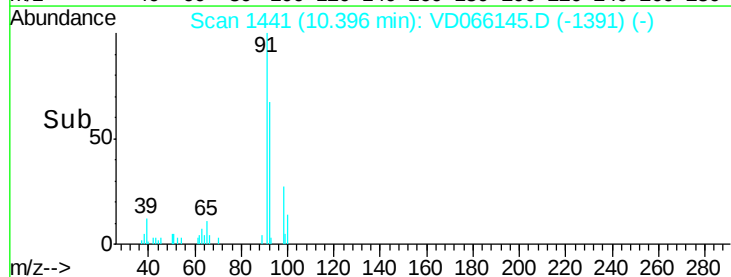
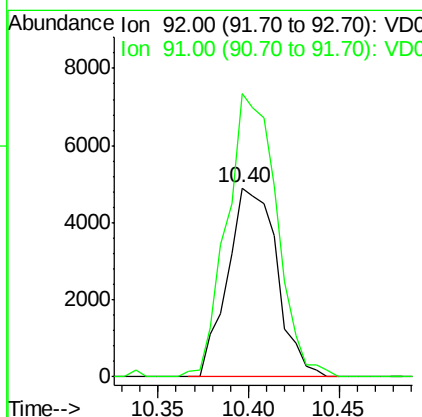
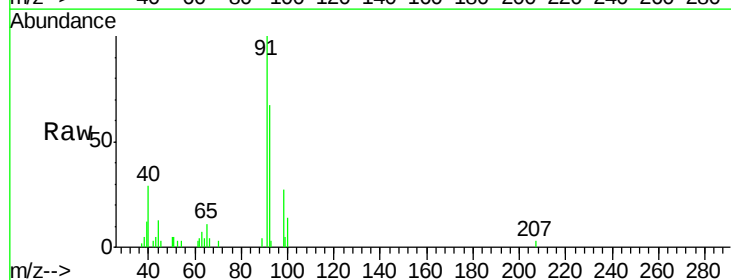
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-016

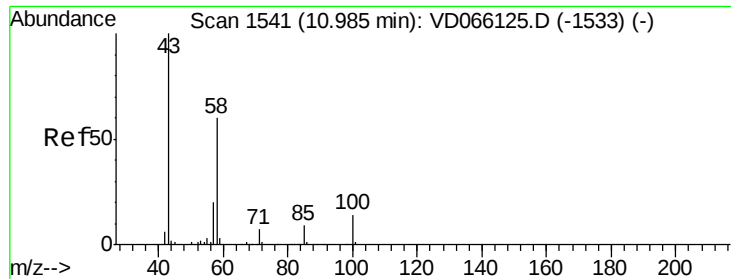
Tot Ion: 43 Resp: 4306
 Ion Ratio Lower Upper
 43 100
 58 34.0 31.1 46.7



#52
 Toluene
 Concen: 1.111 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066145.D
 Acq: 06 Aug 2020 20:07

Tgt Ion: 92 Resp: 9258
 Ion Ratio Lower Upper
 92 100
 91 152.3 135.2 202.8

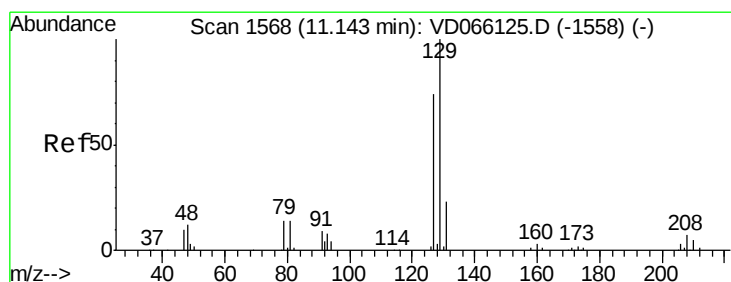
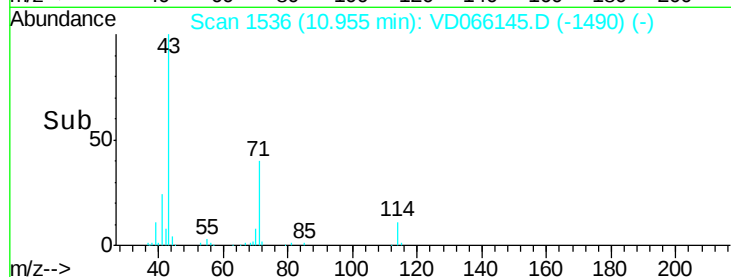
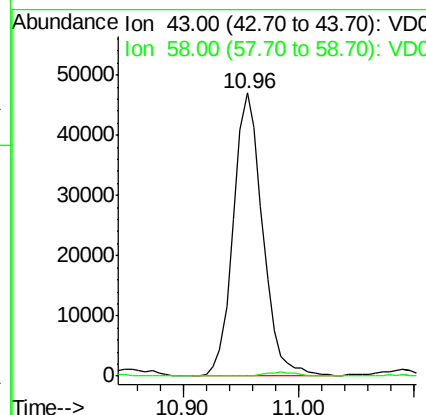
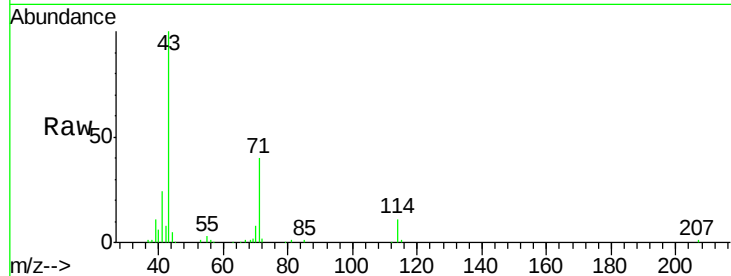




#59
2-Hexanone
Concen: 64.613 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

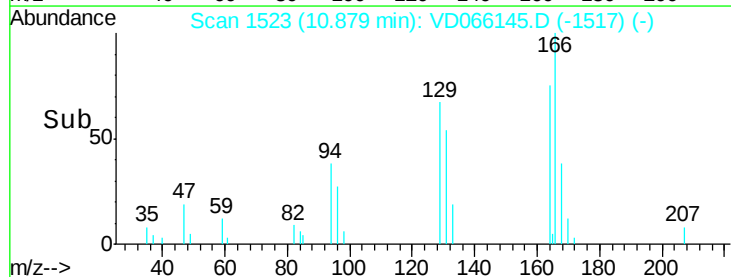
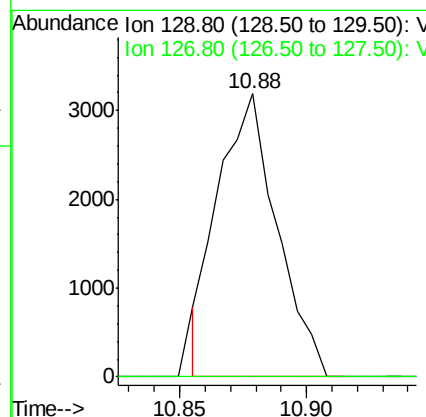
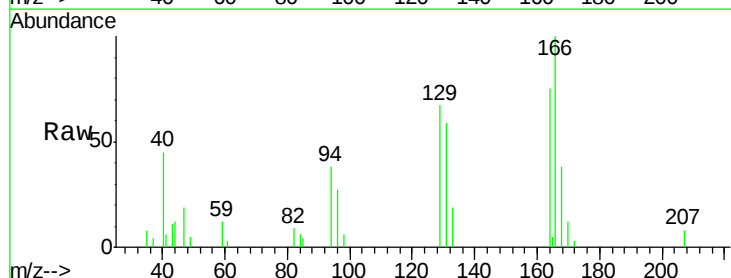
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-016

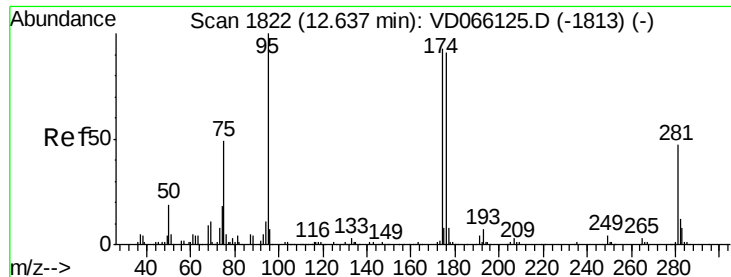
Tot Ion: 43 Resp: 83022
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#



#60
Dibromochloromethane
Concen: 1.519 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.26 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

Tgt Ion: 129 Resp: 5154
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.1#





#62

4-Bromofluorobenzene

Concen: 67.139 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-016

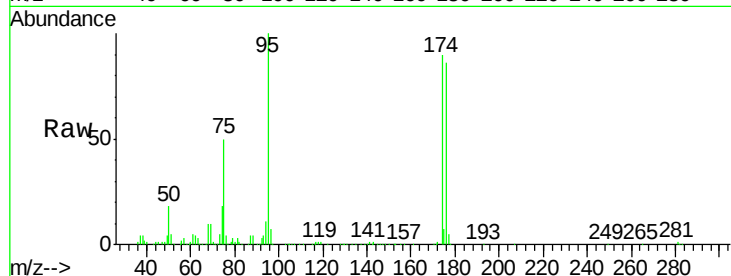
Tot Ion: 95 Resp: 274886

Ion Ratio Lower Upper

95 100

174 87.0 0.0 180.8

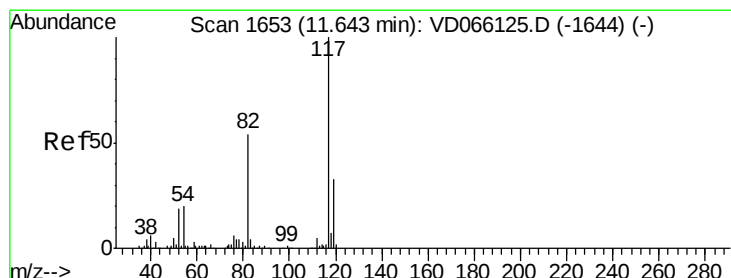
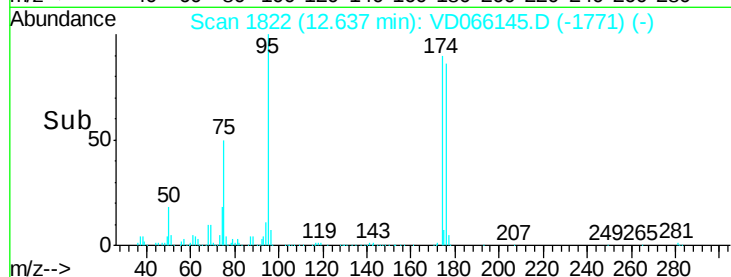
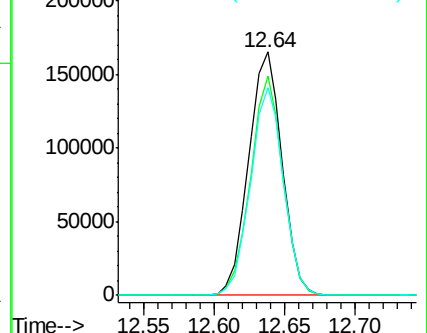
176 84.0 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD066145.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD066145.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD066145.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

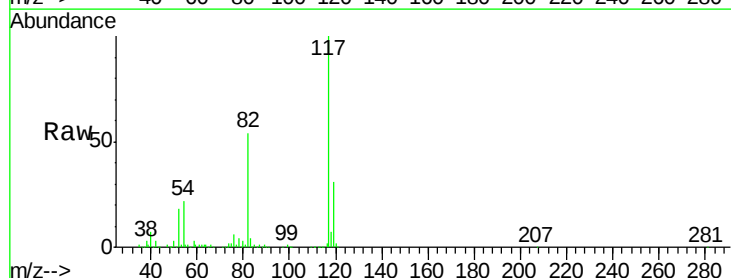
Tgt Ion: 117 Resp: 556076

Ion Ratio Lower Upper

117 100

82 53.9 43.0 64.4

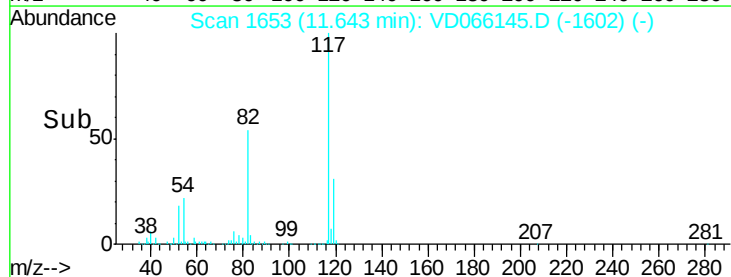
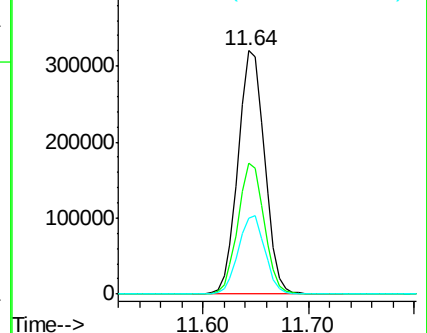
119 31.1 26.1 39.1

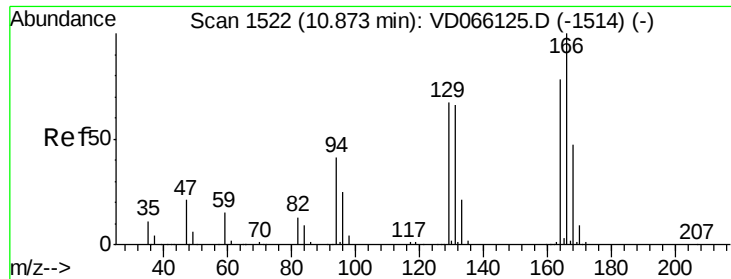


Abundance Ion 116.90 (116.60 to 117.60): VD066145.D (-1602) (-)

Ion 82.00 (81.70 to 82.70): VD066145.D (-1602) (-)

Ion 118.90 (118.60 to 119.60): VD066145.D (-1602) (-)

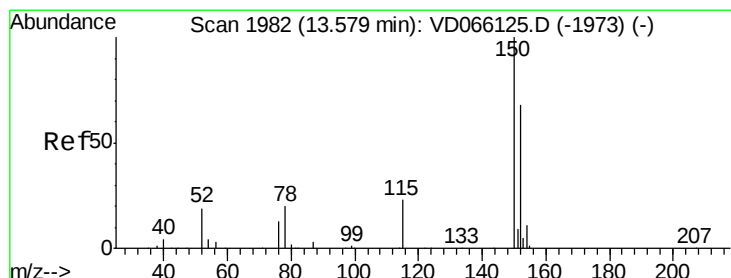
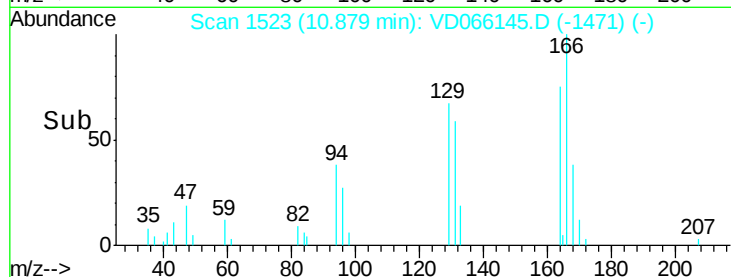
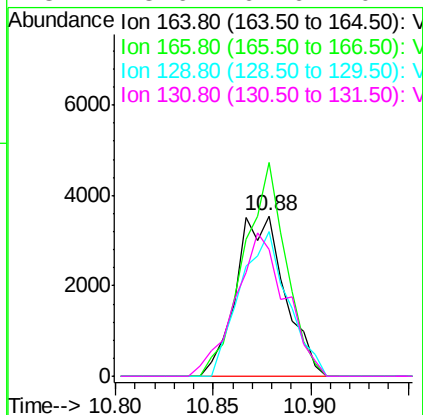
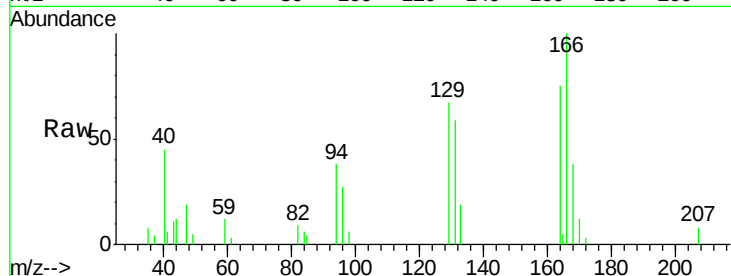




#64
Tetrachloroethene
Concen: 1.435 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

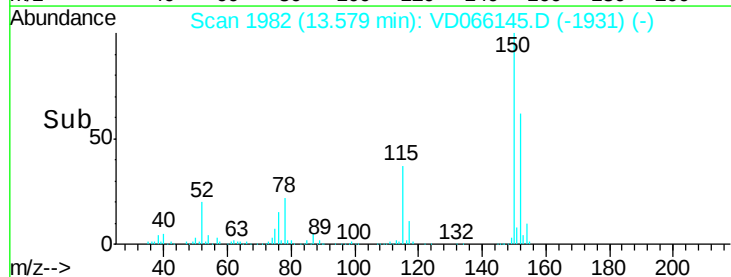
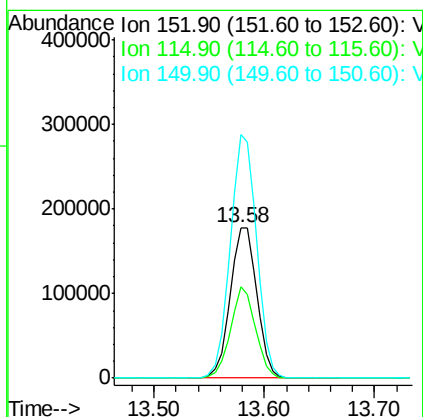
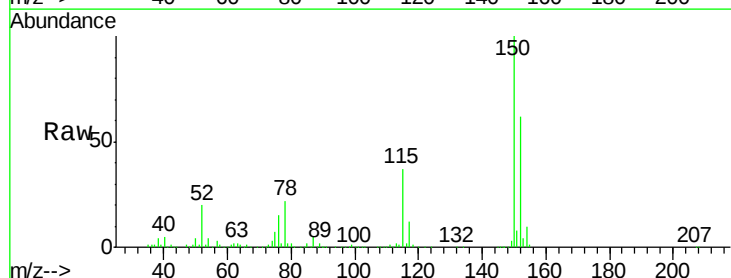
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-016

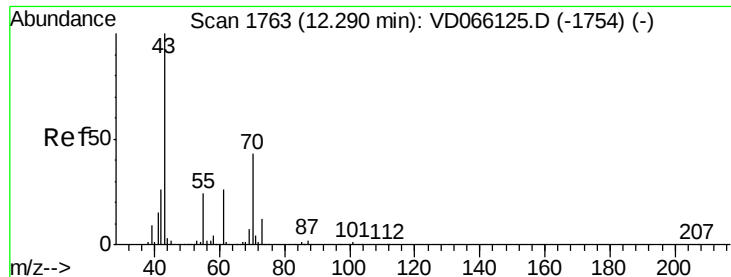
Tot Ion:164 Resp: 6128
Ion Ratio Lower Upper
164 100
166 133.0 101.9 152.9
129 89.7 68.1 102.1
131 78.6 67.6 101.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066145.D
Acq: 06 Aug 2020 20:07

Tgt Ion:152 Resp: 302411
Ion Ratio Lower Upper
152 100
115 56.8 28.0 83.9
150 159.4 0.0 346.4





#74

N-amvl acetate

Concen: 1.688 ug/l

RT: 12.25 min Scan# 1756

Delta R.T. -0.04 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-016

Tot Ion: 43 Resp: 7503

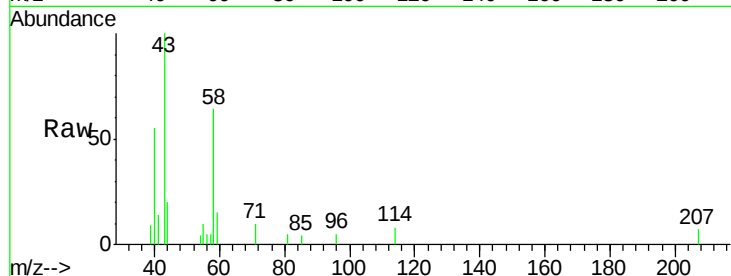
Ion Ratio Lower Upper

43 100

70 0.7 34.9 52.3#

55 7.2 19.2 28.8#

61 0.0 19.7 29.5#

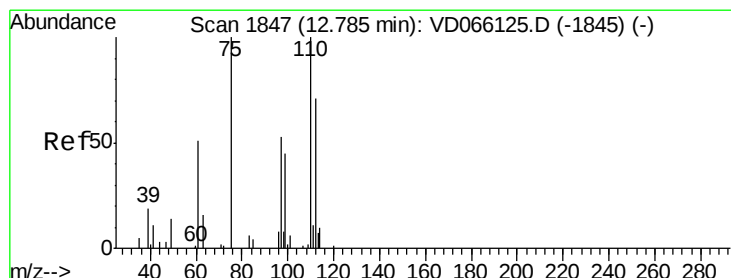
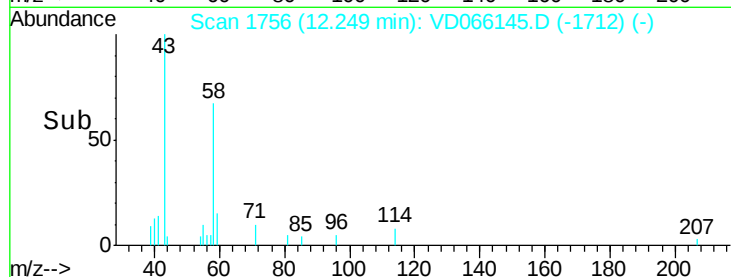
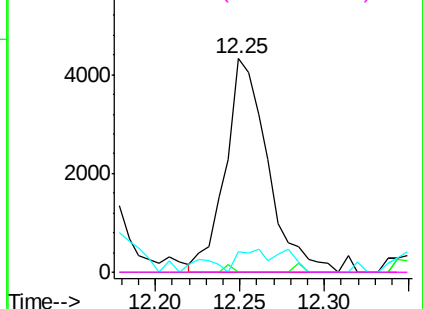


Abundance Ion 43.00 (42.70 to 43.70): VDC

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



#76

1,2,3-Trichloropropane

Concen: 52.982 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066145.D

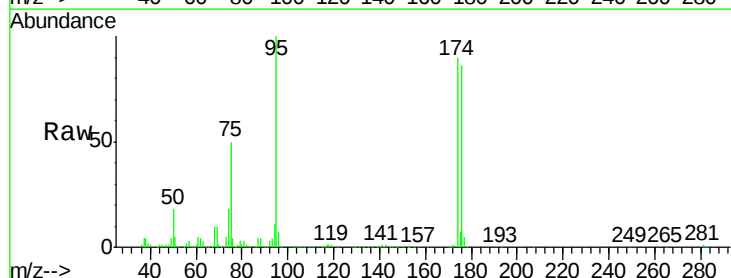
Acq: 06 Aug 2020 20:07

Tgt Ion: 75 Resp: 133616

Ion Ratio Lower Upper

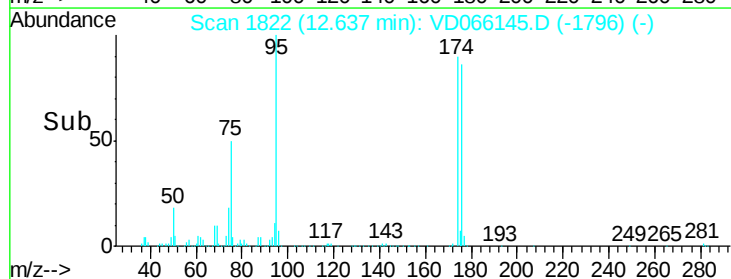
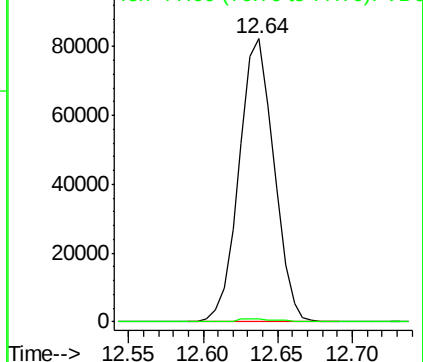
75 100

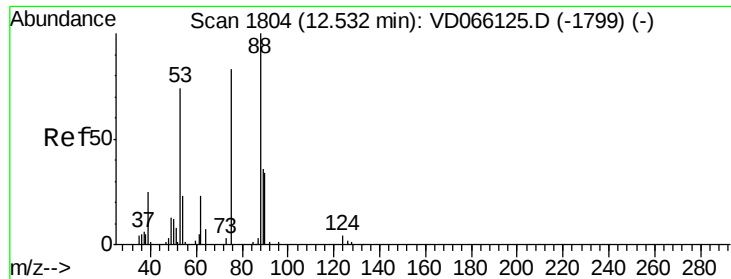
77 1.2 0.0 0.0#



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: 117.121 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066145.D

Acq: 06 Aug 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-016

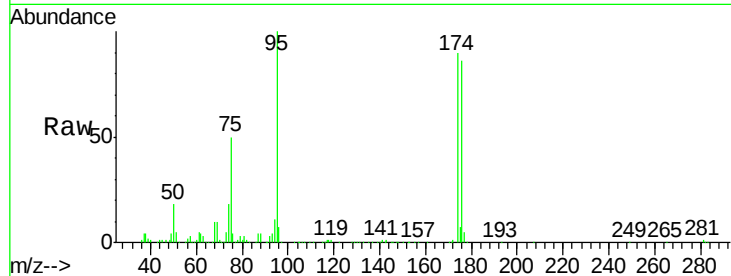
Tot Ion: 75 Resp: 133616

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

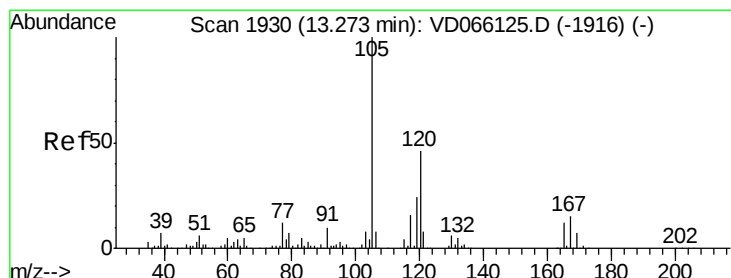
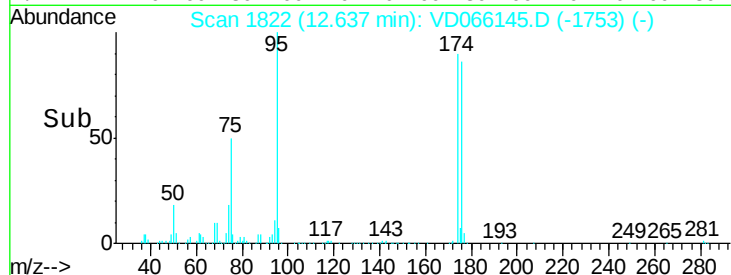
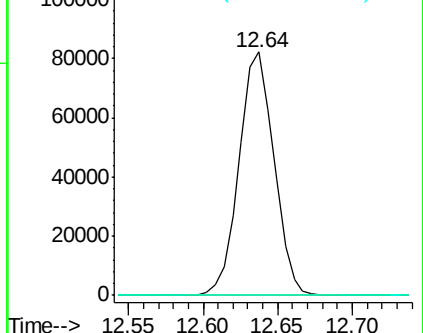
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 1.043 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066145.D

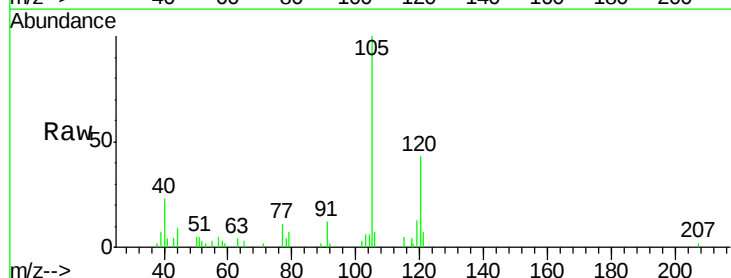
Acq: 06 Aug 2020 20:07

Tgt Ion: 105 Resp: 17629

Ion Ratio Lower Upper

105 100

120 41.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

