

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066157.D
 Acq On : 07 Aug 2020 14:57
 Operator : VA/SY
 Sample : L3576-02
 Misc : 5.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 08 00:39:20 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	252088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	452878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	513203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	121620	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.91	113	56577	19.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.44%	
50) Toluene-d8	10.34	98	561095	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.64	95	245193	64.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.50%	

Target Compounds

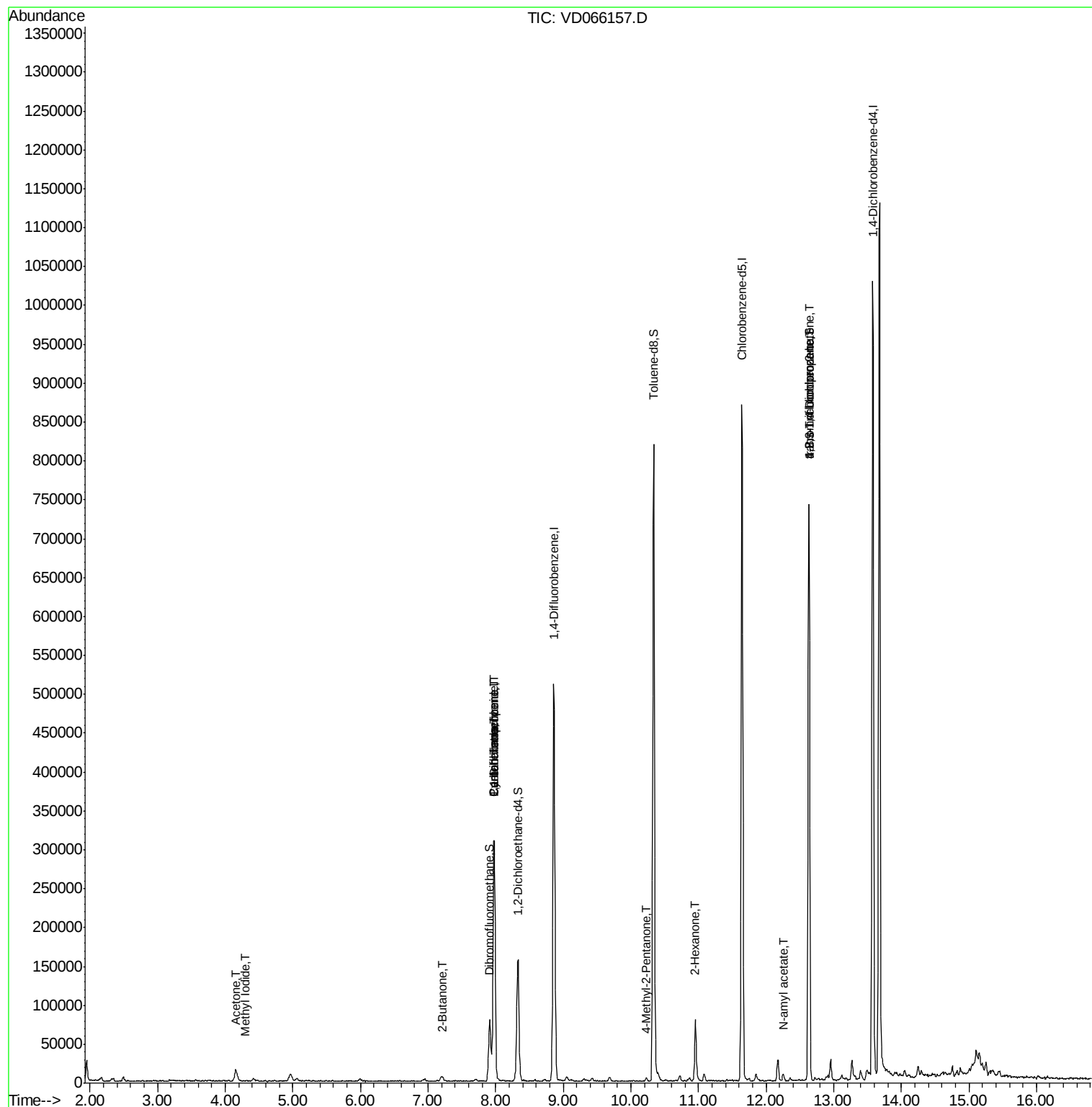
					Qvalue	
10) Methyl Iodide	4.30	142	183	6.785	ug/l #	39
11) Tert butyl alcohol	5.23	59	1474	Below Cal	#	94
16) Acetone	4.15	43	26369	61.793	ug/l	91
20) Methylene Chloride	4.96	84	6898	Below Cal		94
25) 2-Butanone	7.21	43	5300	8.444	ug/l	97
31) Cyclohexane	7.98	56	5180	1.315	ug/l #	35
36) 1,1-Dichloropropene	7.97	75	17405	4.090	ug/l #	50
38) Carbon Tetrachloride	7.98	117	23512	4.954	ug/l #	16
51) 4-Methyl-2-Pentanone	10.23	43	2478	1.452	ug/l	91
59) 2-Hexanone	10.96	43	63391	52.930	ug/l #	24
74) N-amyl acetate	12.26	43	5367	1.290	ug/l #	47
76) 1,2,3-Trichloropropane	12.63	75	122728	52.015	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	122728	114.981	ug/l #	13

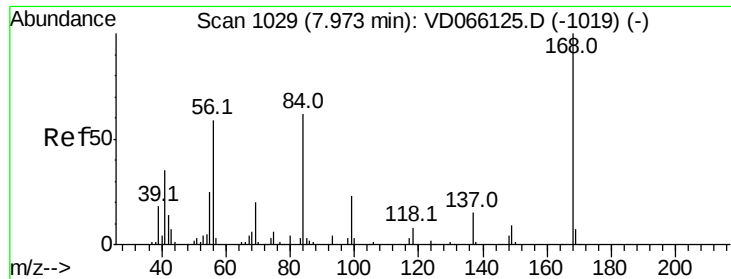
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 00:39:20 2020
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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: VD066157.D

Acq: 07 Aug 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

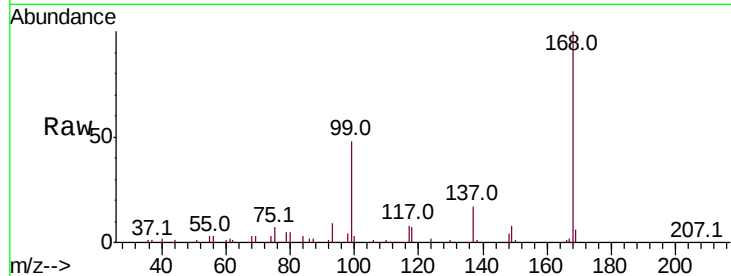
FK-0D015-03-017

Tot Ion:168 Resp: 252088

Ion Ratio Lower Upper

168 100

99 48.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

120000

100000

80000

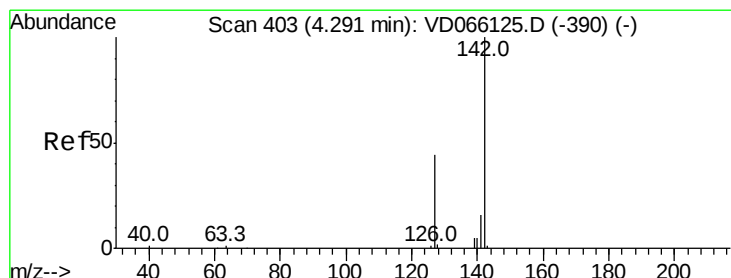
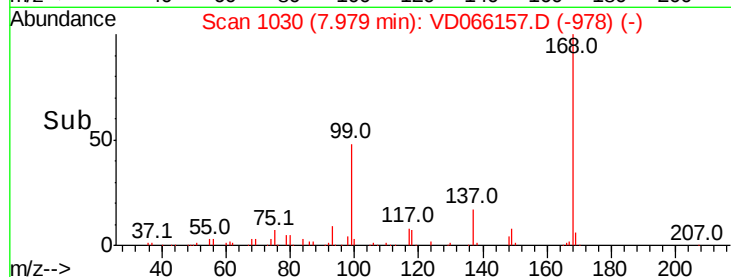
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.785 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066157.D

Acq: 07 Aug 2020 14:57

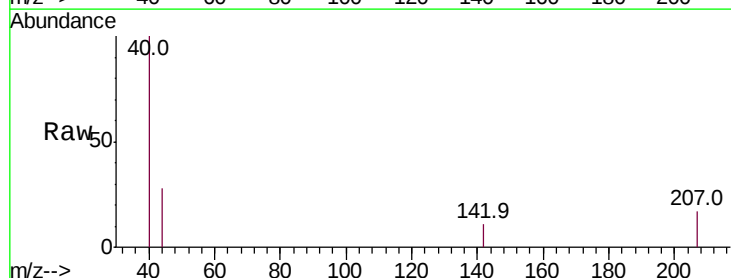
Tgt Ion:142 Resp: 183

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

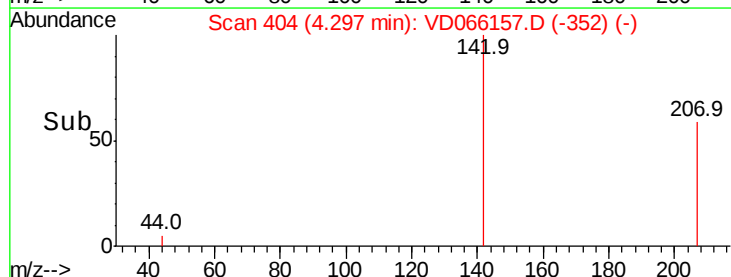
300

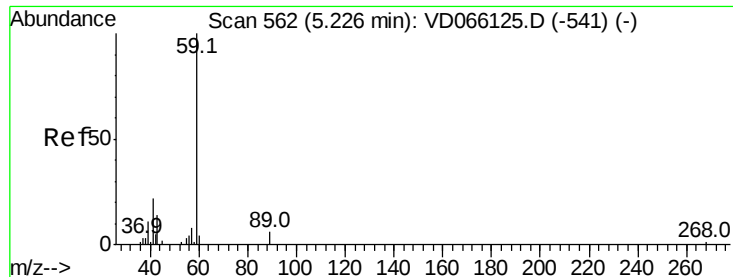
200

100

0

Time-->

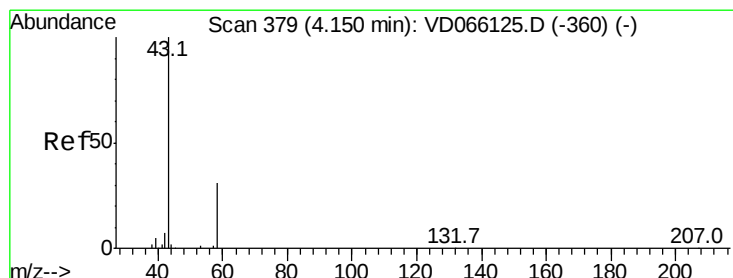
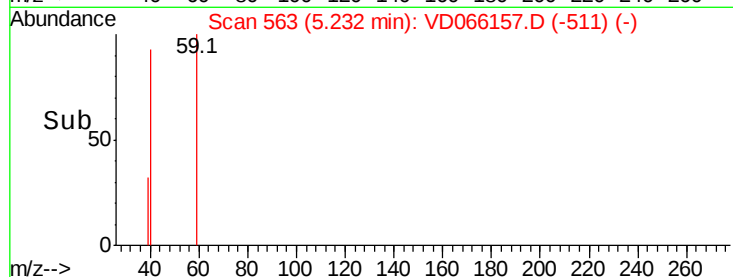
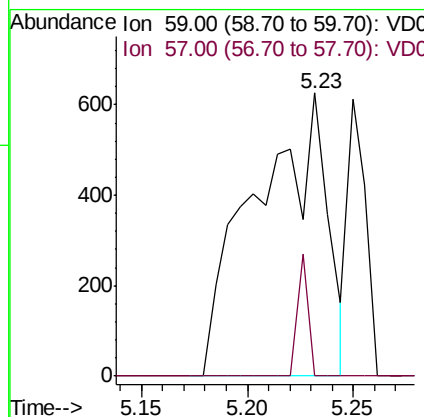
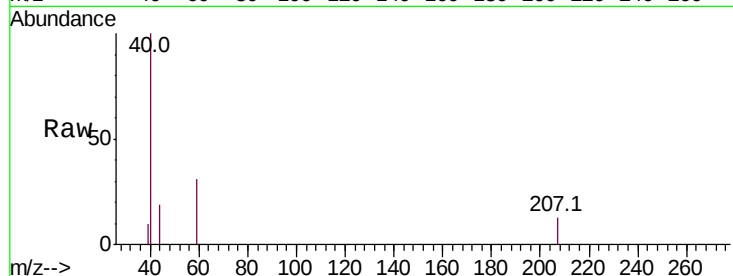




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD066157.D
Acq: 07 Aug 2020 14:57

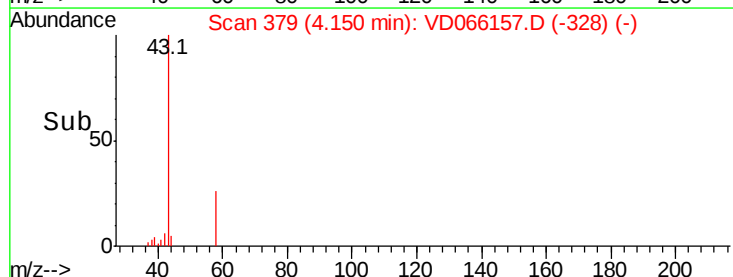
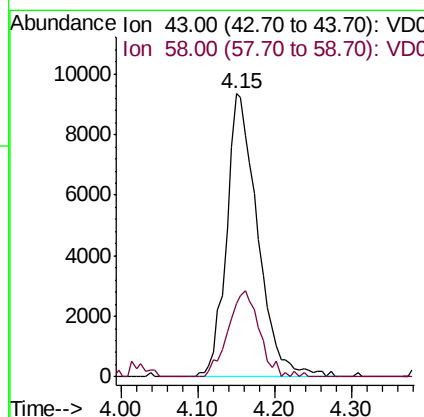
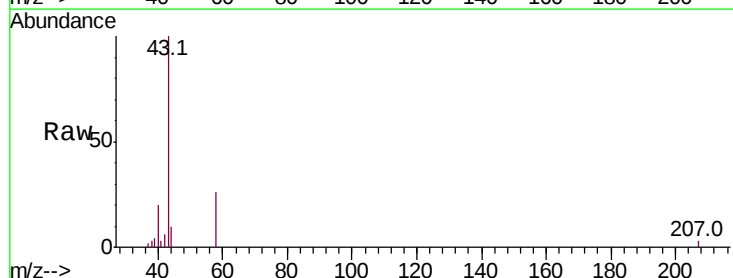
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-017

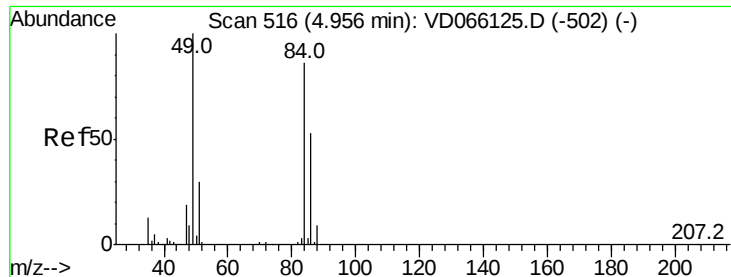
Tot Ion: 59 Resp: 1474
Ion Ratio Lower Upper
59 100
57 6.4 7.0 10.4#



#16
Acetone
Concen: 61.793 ug/l
RT: 4.15 min Scan# 379
Delta R.T. 0.00 min
Lab File: VD066157.D
Acq: 07 Aug 2020 14:57

Tgt Ion: 43 Resp: 26369
Ion Ratio Lower Upper
43 100
58 25.9 24.7 37.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066157.D

Acq: 07 Aug 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-017

Tot Ion: 84 Resp: 6898

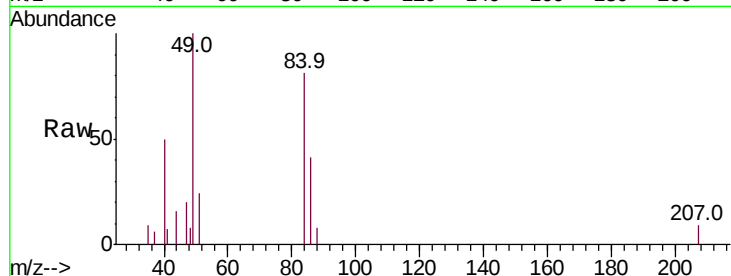
Ion Ratio Lower Upper

84 100

49 116.8 93.5 140.3

51 29.9 28.2 42.4

86 50.1 49.5 74.3

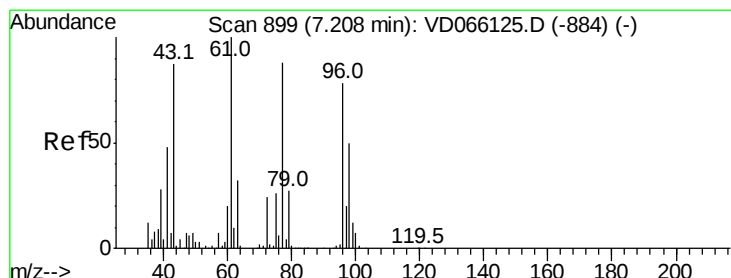
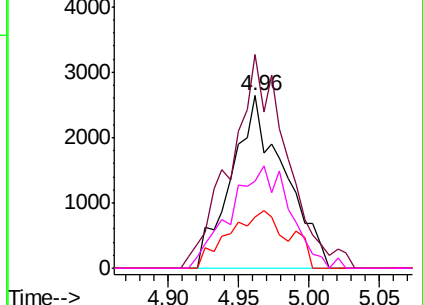
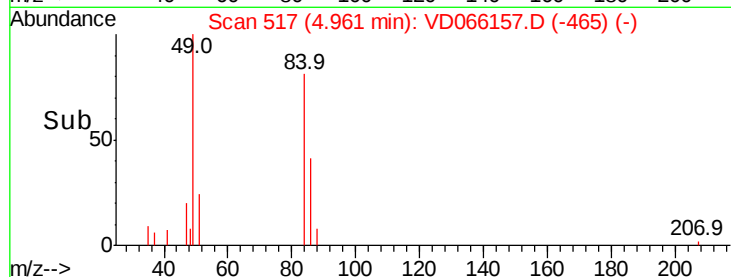


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 8.444 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066157.D

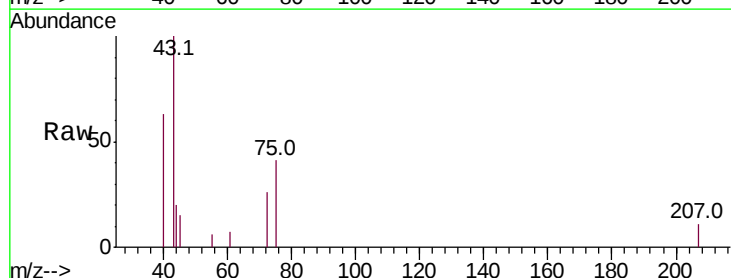
Acq: 07 Aug 2020 14:57

Tgt Ion: 43 Resp: 5300

Ion Ratio Lower Upper

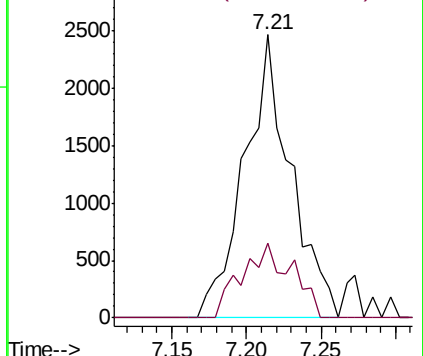
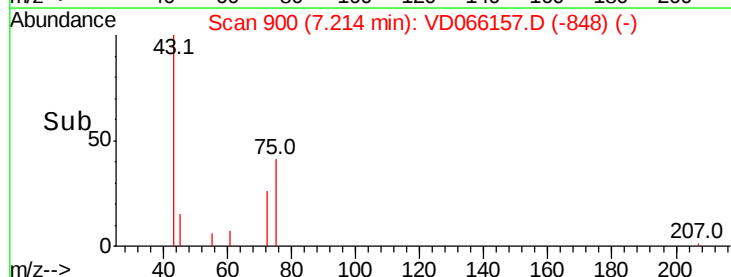
43 100

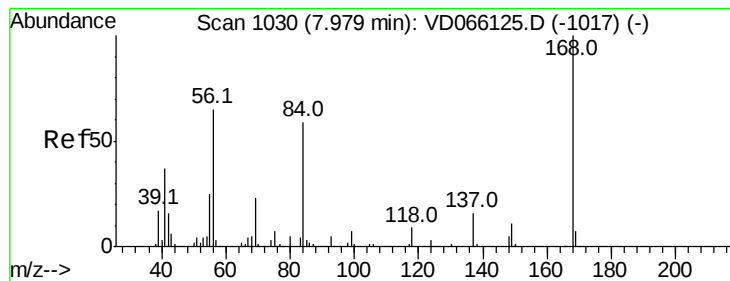
72 26.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.315 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066157.D

Acq: 07 Aug 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-017

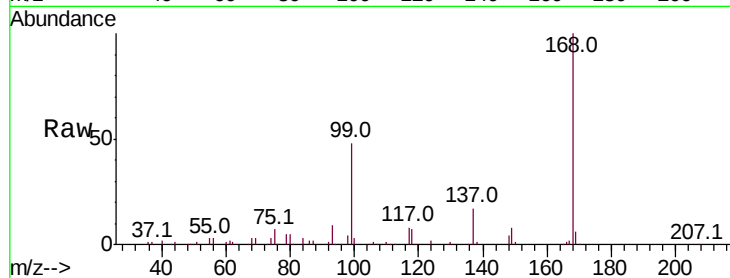
Tot Ion: 56 Resp: 5180

Ion Ratio Lower Upper

56 100

69 118.7 28.8 43.2#

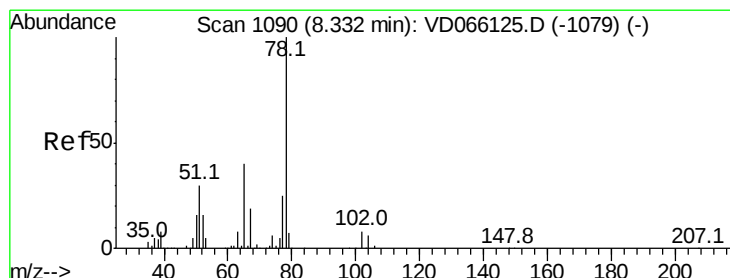
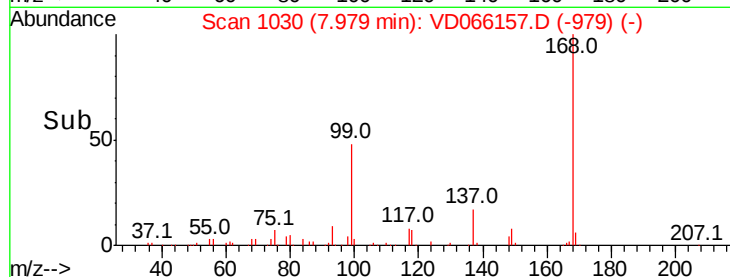
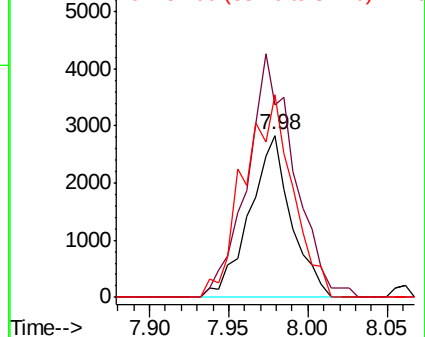
84 125.4 73.0 109.6#



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: 54.077 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066157.D

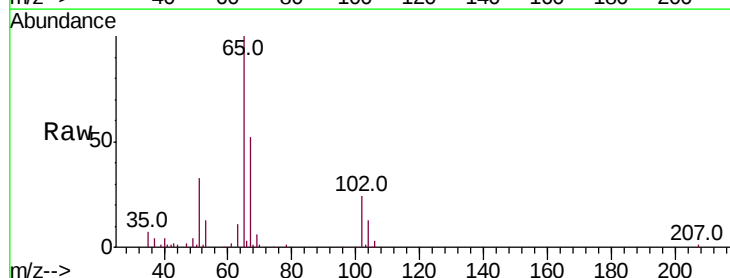
Acq: 07 Aug 2020 14:57

Tgt Ion: 65 Resp: 121620

Ion Ratio Lower Upper

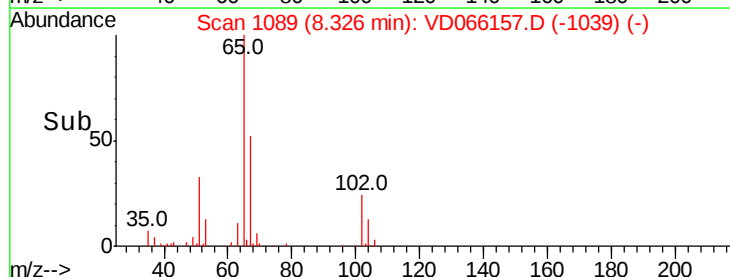
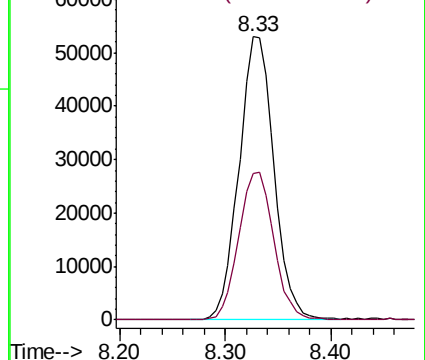
65 100

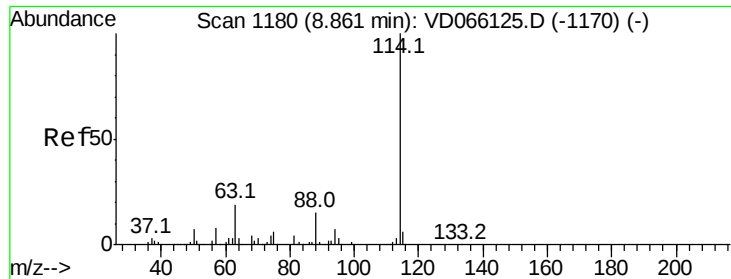
67 52.2 0.0 104.6



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: VD066157.D

Acq: 07 Aug 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-017

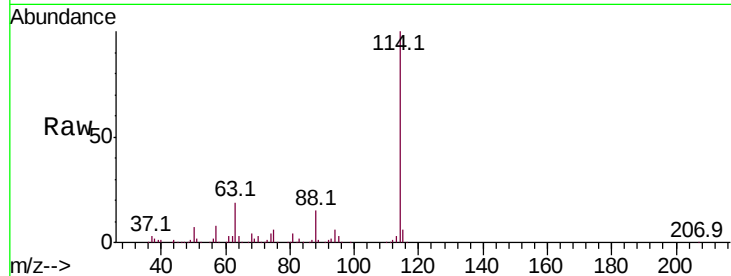
Tot Ion:114 Resp: 452878

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

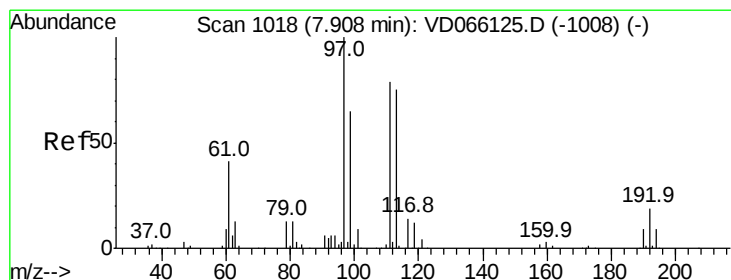
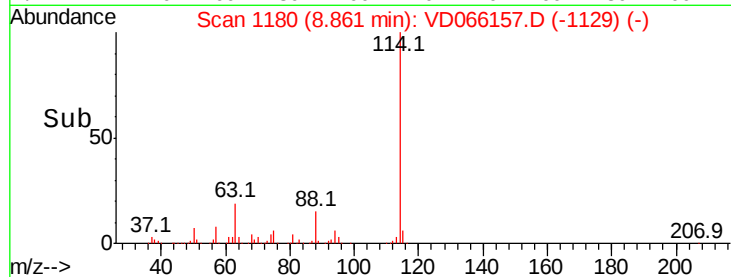
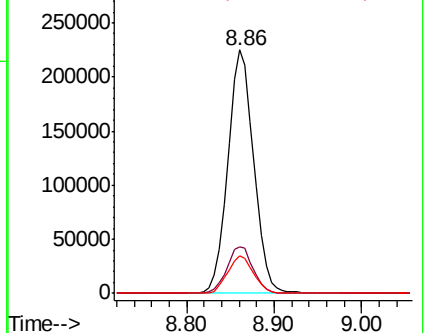
88 15.4 0.0 30.0



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



#35

Dibromofluoromethane

Concen: 19.721 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066157.D

Acq: 07 Aug 2020 14:57

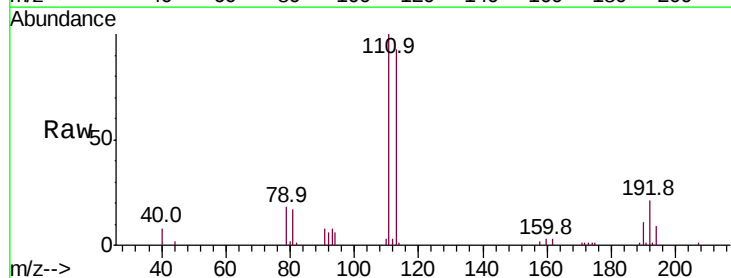
Tgt Ion:113 Resp: 56577

Ion Ratio Lower Upper

113 100

111 105.3 80.7 121.1

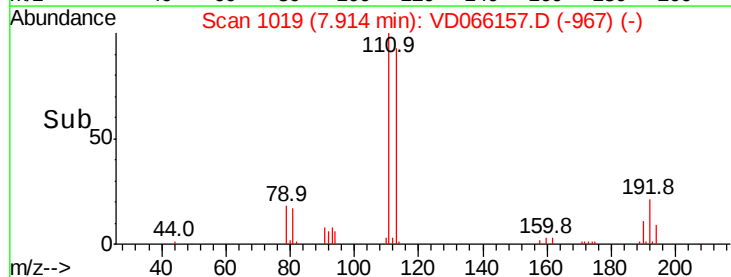
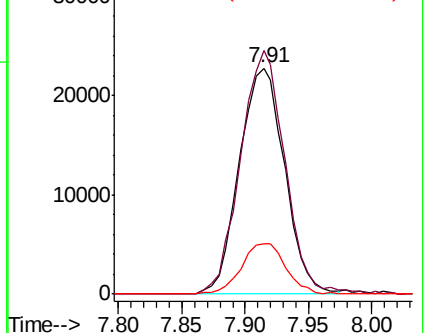
192 21.9 18.4 27.6

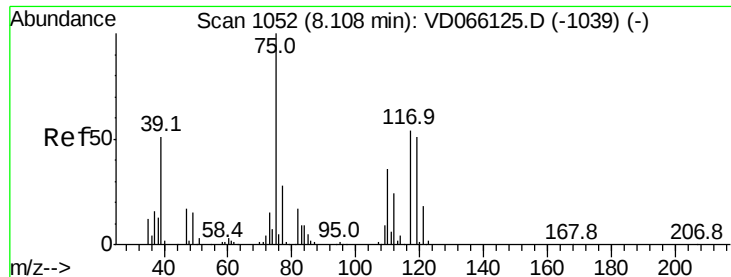


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

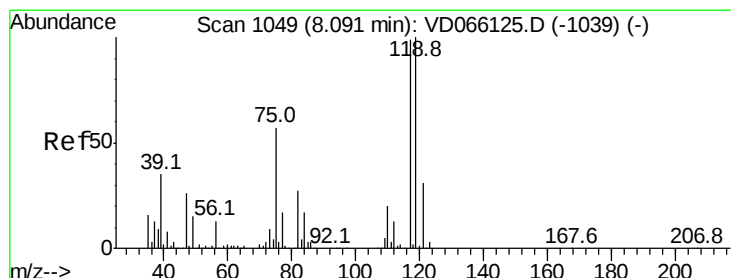
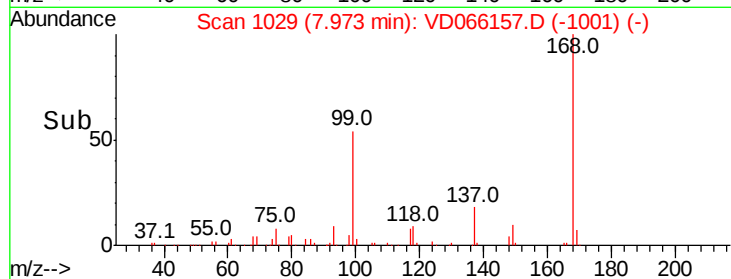
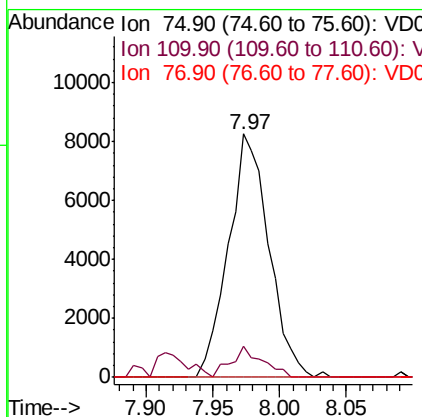
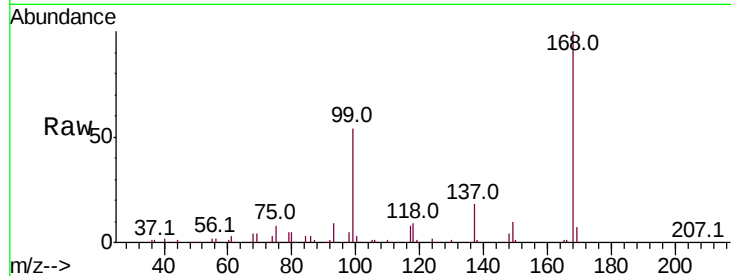




#36
 1,1-Dichloropropene
 Concen: 4.090 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066157.D
 Acq: 07 Aug 2020 14:57

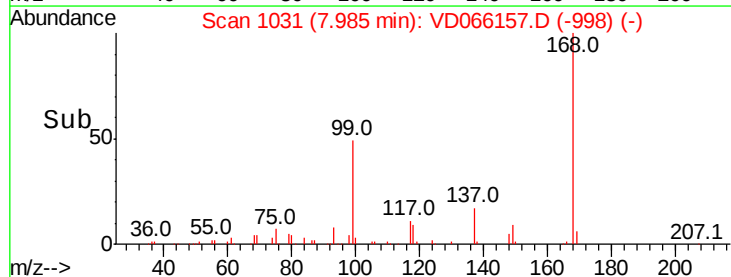
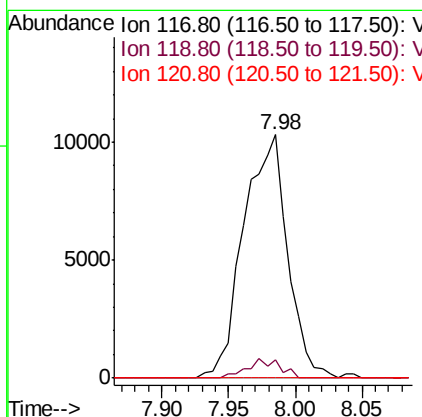
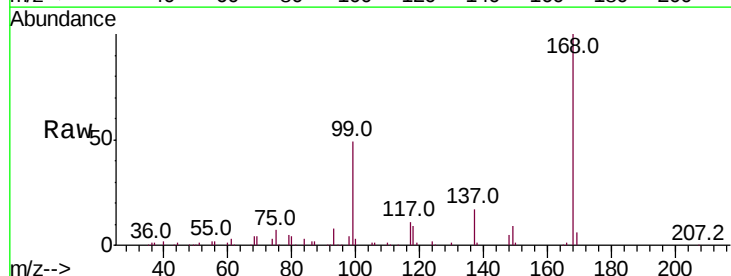
Instrument :
 MSVOA_D
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 FK-0D015-03-017

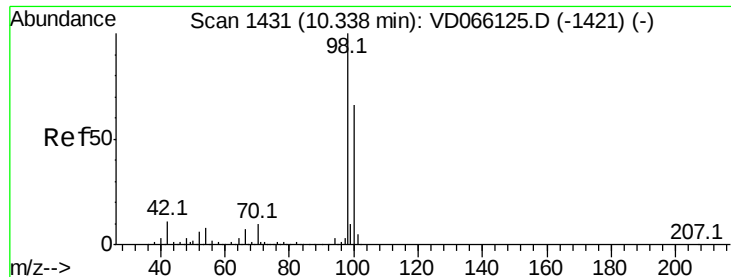
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 4.954 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066157.D
 Acq: 07 Aug 2020 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	81.0	121.4#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 52.998 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066157.D

Acq: 07 Aug 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

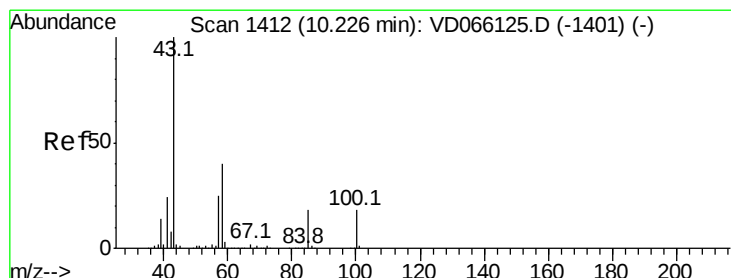
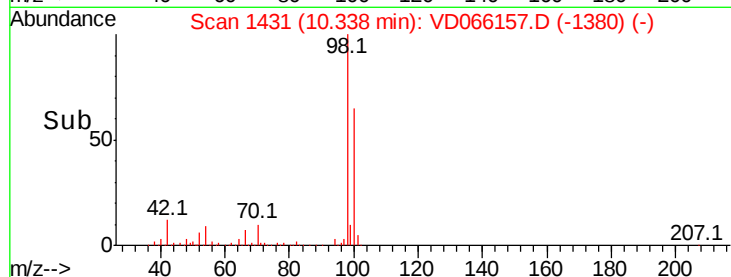
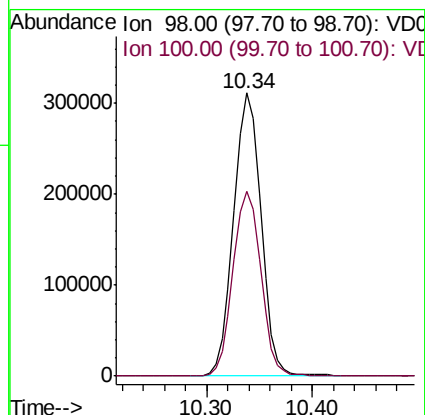
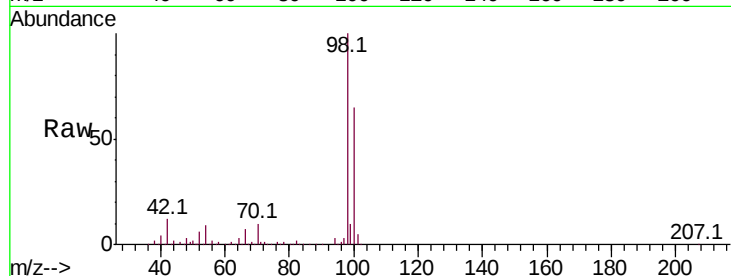
FK-0D015-03-017

Tot Ion: 98 Resp: 561095

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.452 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD066157.D

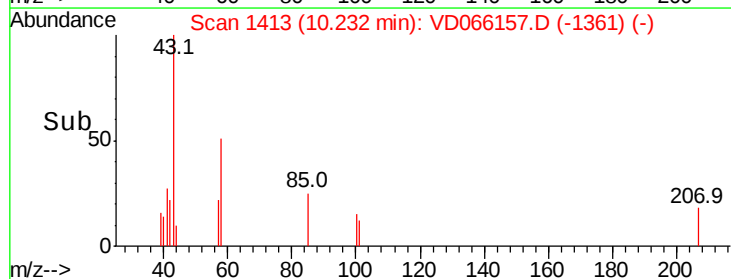
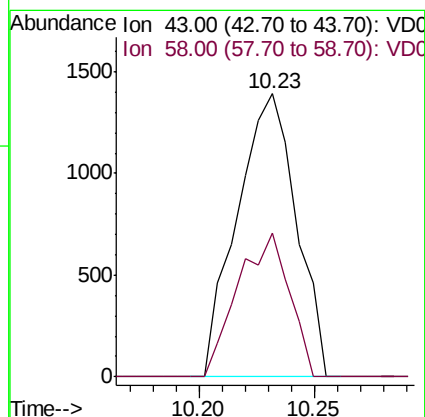
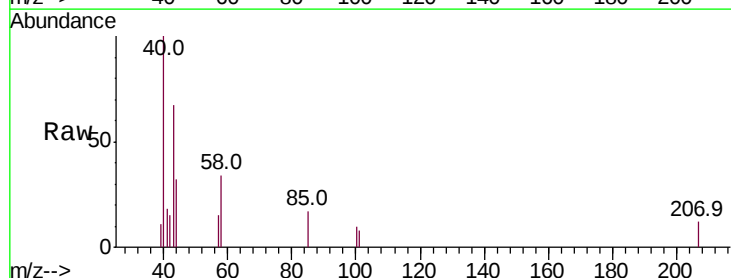
Acq: 07 Aug 2020 14:57

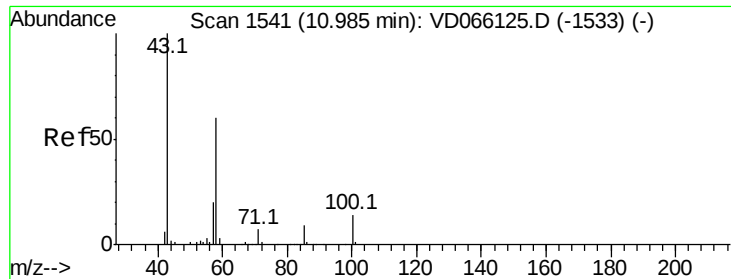
Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

58 44.3 31.1 46.7

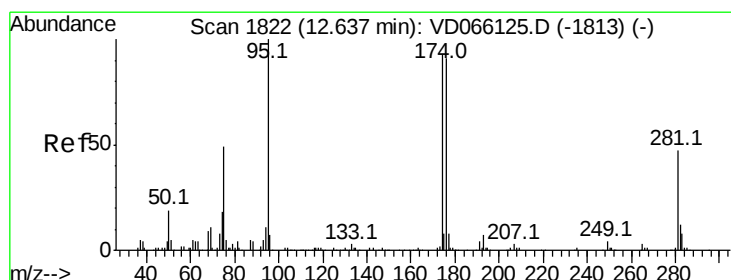
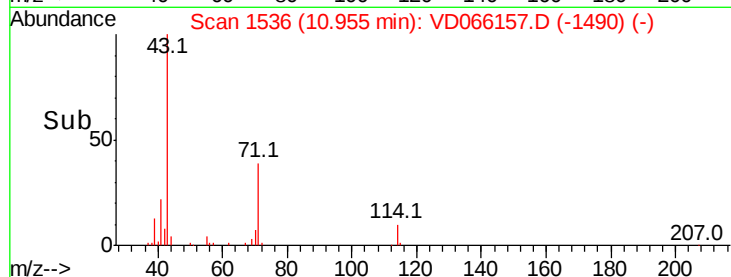
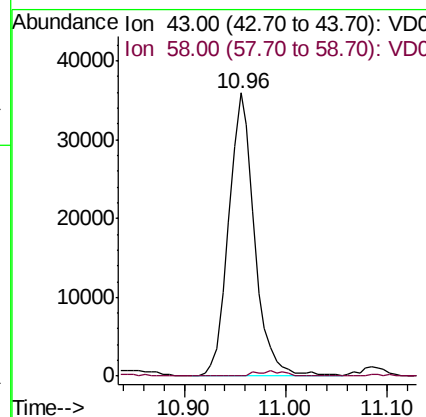
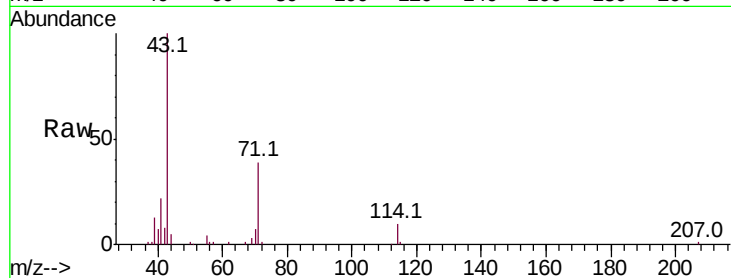




#59
2-Hexanone
Concen: 52.930 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD066157.D
Acq: 07 Aug 2020 14:57

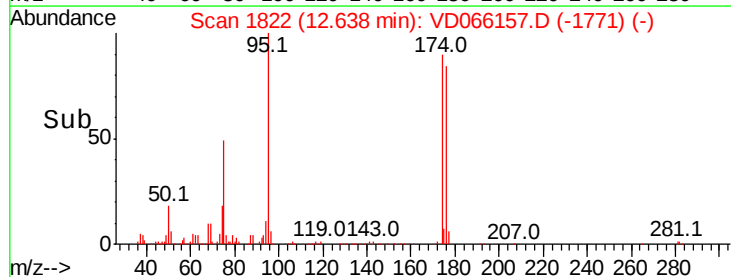
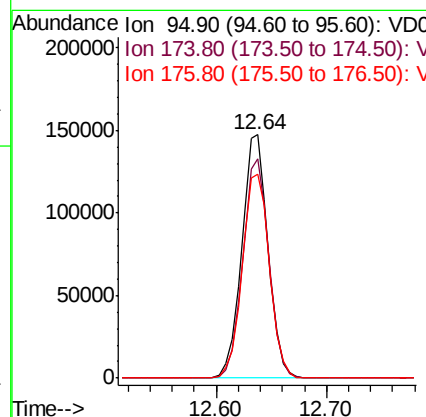
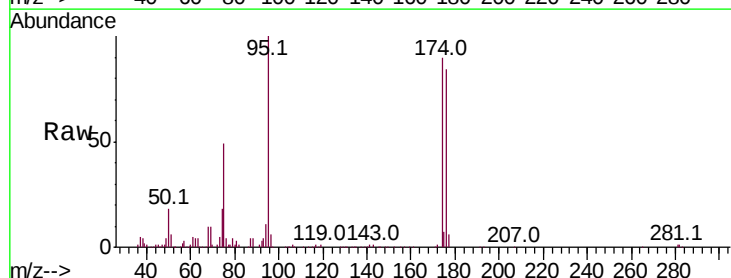
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-017

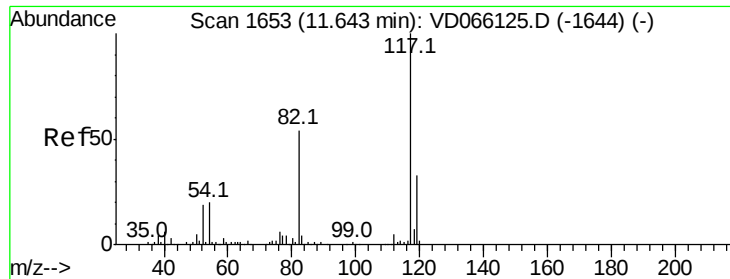
Tot Ion: 43 Resp: 63391
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 64.250 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066157.D
Acq: 07 Aug 2020 14:57

Tgt Ion: 95 Resp: 245193
Ion Ratio Lower Upper
95 100
174 89.4 0.0 180.8
176 86.9 0.0 181.2

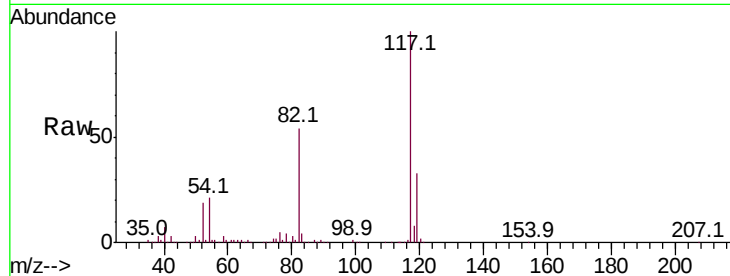




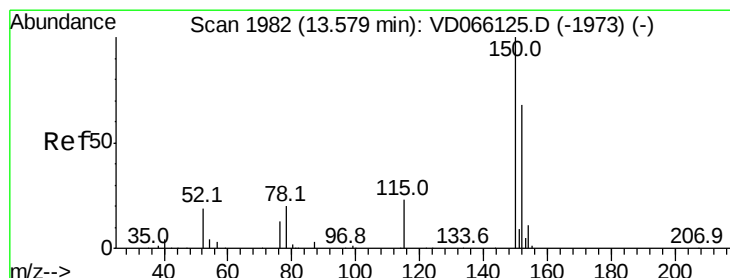
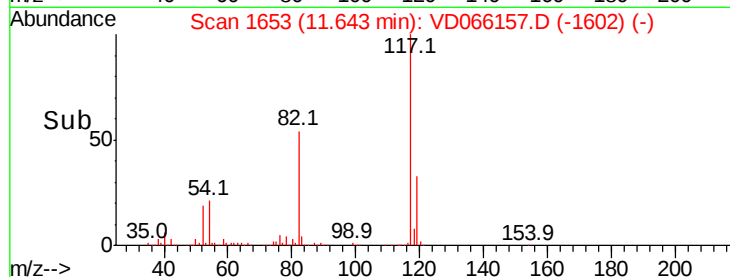
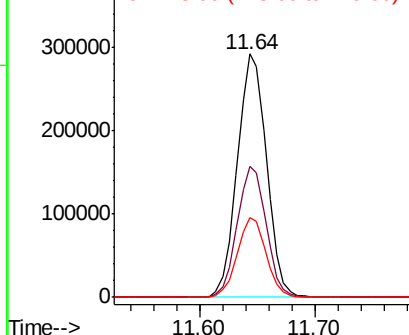
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066157.D
Acq: 07 Aug 2020 14:57

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.0	64.4
119	32.8	26.1	39.1

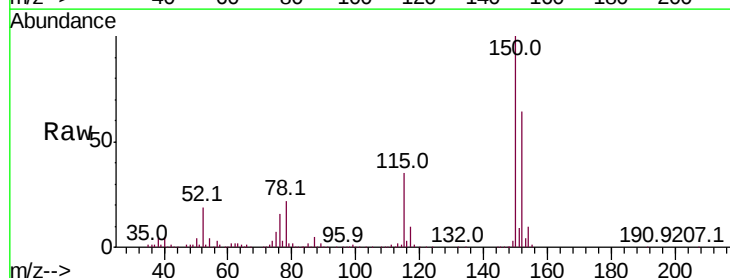


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

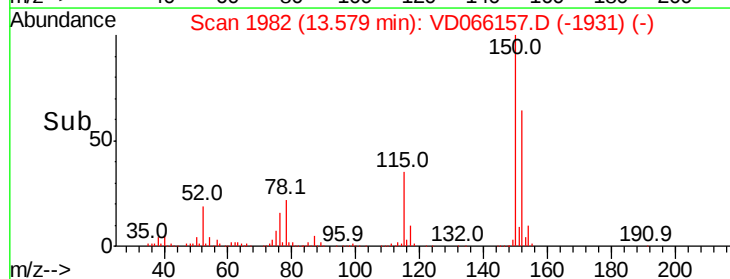
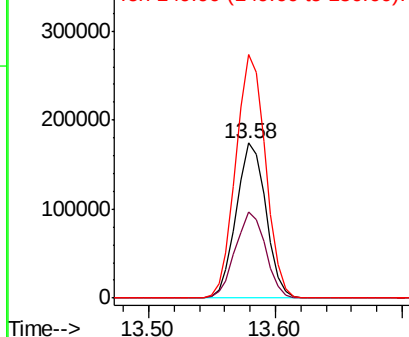


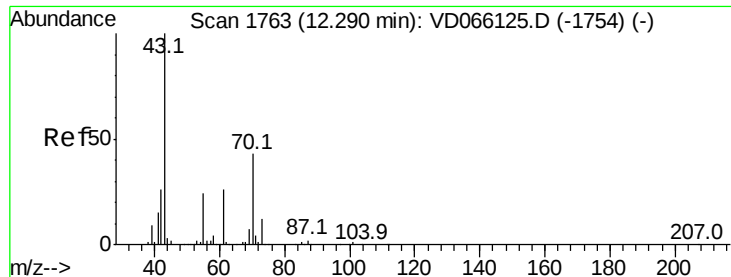
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066157.D
Acq: 07 Aug 2020 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.0	83.9
150	157.2	0.0	346.4



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-amvl acetate

Concen: 1.290 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.03 min

Lab File: VD066157.D

Acq: 07 Aug 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-017

Tot Ion: 43 Resp: 5367

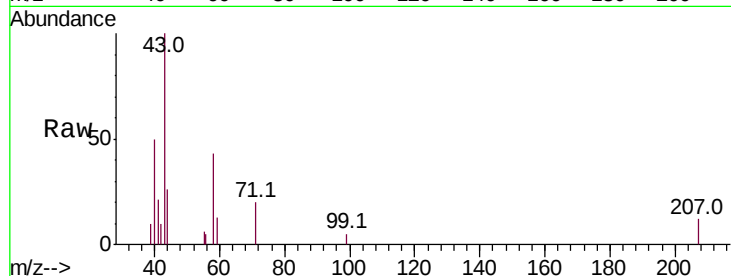
Ion Ratio Lower Upper

43 100

70 0.0 34.9 52.3#

55 9.5 19.2 28.8#

61 0.0 19.7 29.5#

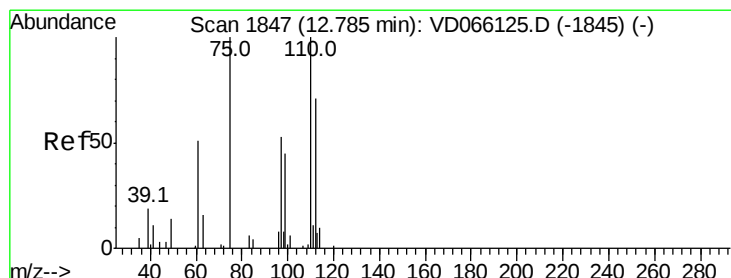
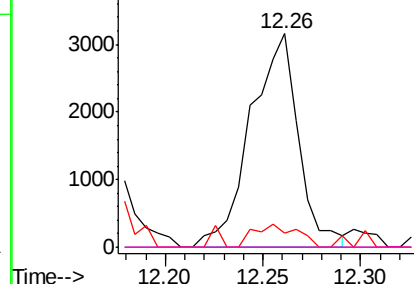
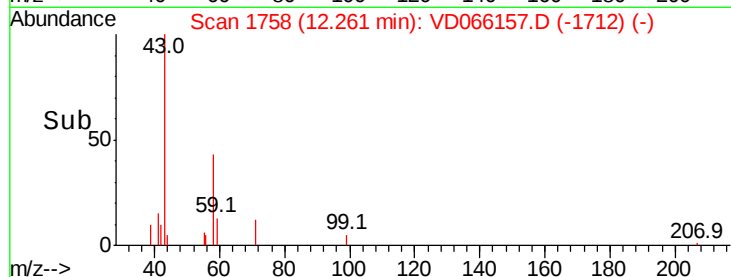


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 52.015 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066157.D

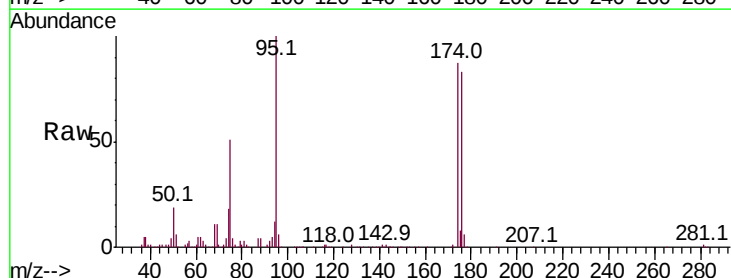
Acq: 07 Aug 2020 14:57

Tgt Ion: 75 Resp: 122728

Ion Ratio Lower Upper

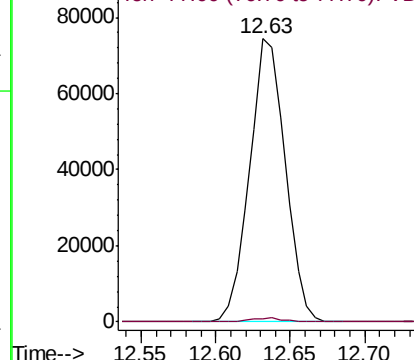
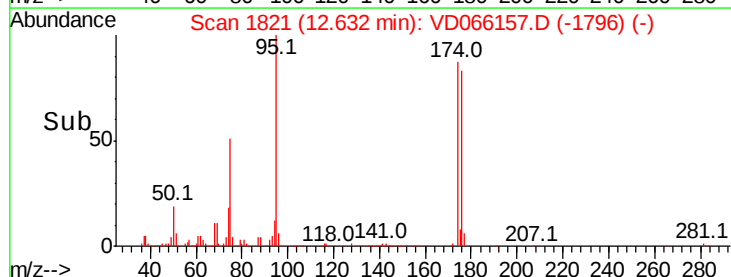
75 100

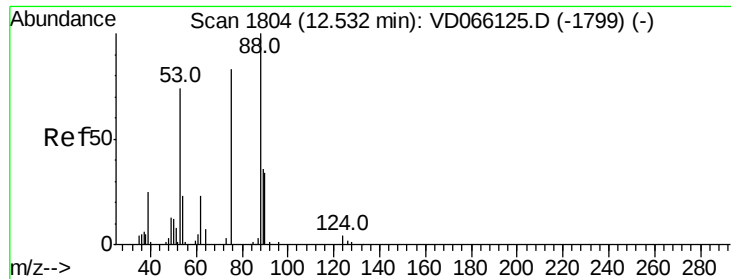
77 1.4 0.0 0.0#



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: 114.981 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066157.D

Acq: 07 Aug 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-017

Tot Ion: 75 Resp: 122728

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.0 36.6 55.0#

