

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD090920\
 Data File : VD066580.D
 Acq On : 09 Sep 2020 13:52
 Operator : VA/SY
 Sample : L3877-06RE
 Misc : 8.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Sep 09 16:12:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

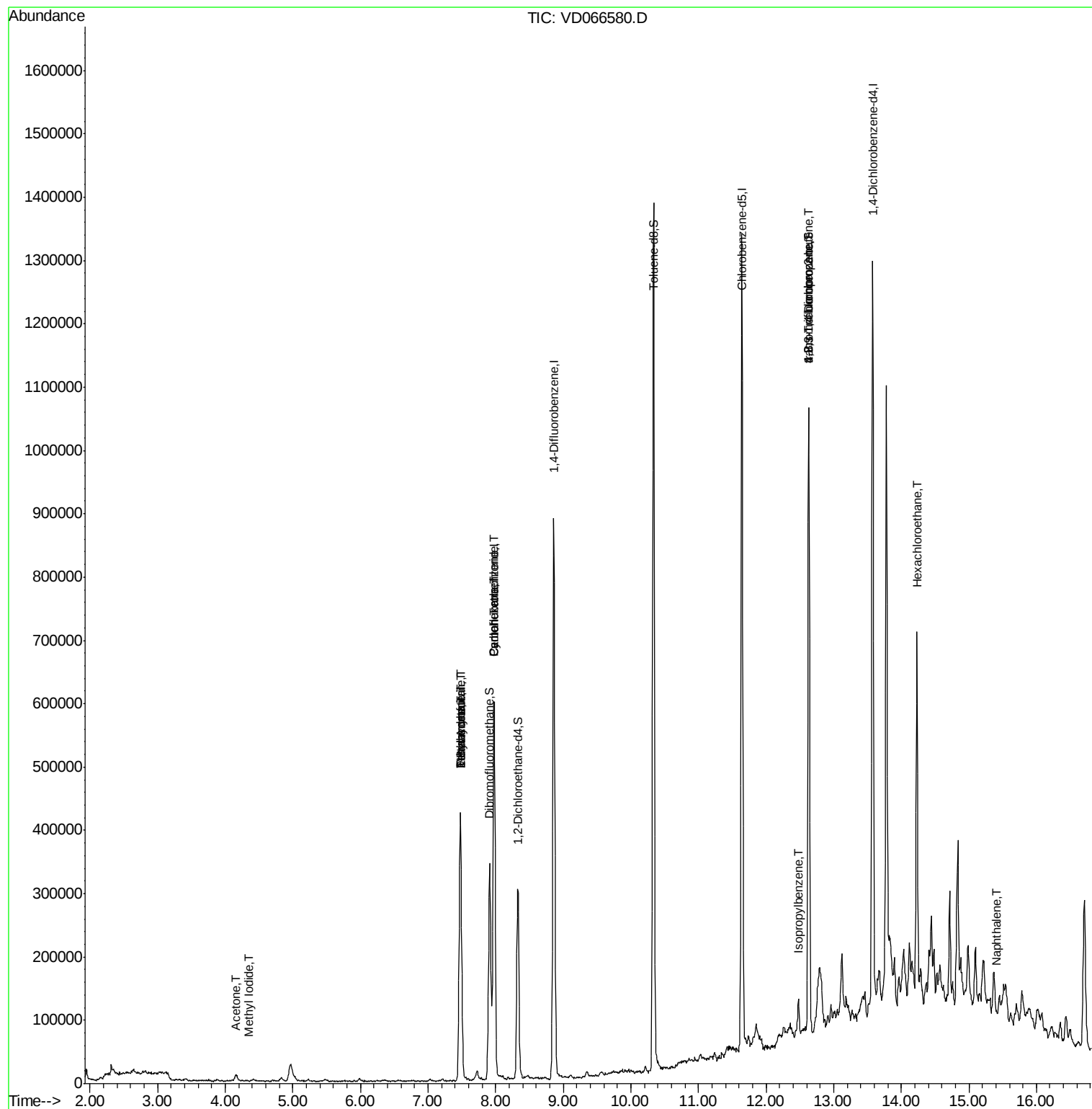
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	716777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	675268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299274	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	248486	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
35) Dibromofluoromethane	7.91	113	236384	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
50) Toluene-d8	10.34	98	893320	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.63	95	315147	54.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	787	Below Cal	#	63
5) Bromomethane	2.77	94	1251	Below Cal	#	48
10) Methyl Iodide	4.34	142	58	4.036	ug/l #	35
11) Tert butyl alcohol	5.21	59	2126	Below Cal	#	86
16) Acetone	4.16	43	19609	21.477	ug/l	94
20) Methylene Chloride	4.97	84	19017	Below Cal	#	93
25) 2-Butanone	7.48	43	257765	210.316	ug/l #	51
29) Tetrahydrofuran	7.48	42	54919	71.950	ug/l #	35
31) Cyclohexane	7.97	56	13842	1.710	ug/l #	26
37) Ethyl Acetate	7.48	43	373627	125.786	ug/l #	68
38) Carbon Tetrachloride	7.97	117	45265	5.741	ug/l #	17
41) Methacrylonitrile	7.48	41	226623	157.616	ug/l #	42
73) Isopropylbenzene	12.48	105	34888	1.575	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	177058	61.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	177058	143.620	ug/l #	7
90) Hexachloroethane	14.23	117	300664	70.657	ug/l #	18
95) Naphthalene	15.41	128	10068	1.120	ug/l #	88

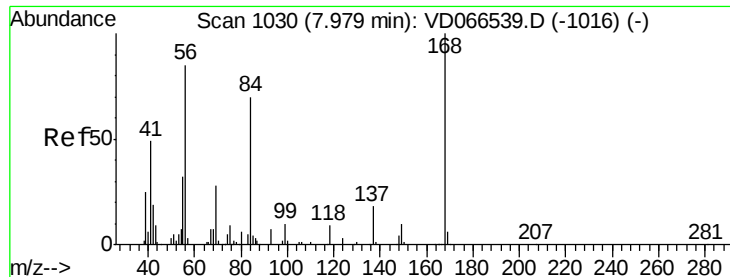
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 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: VD066580.D

Acq: 09 Sep 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

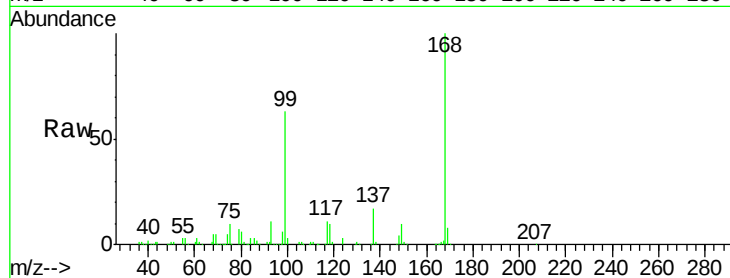
TP-2

Tgt Ion:168 Resp: 410120

Ion Ratio Lower Upper

168 100

99 63.3 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

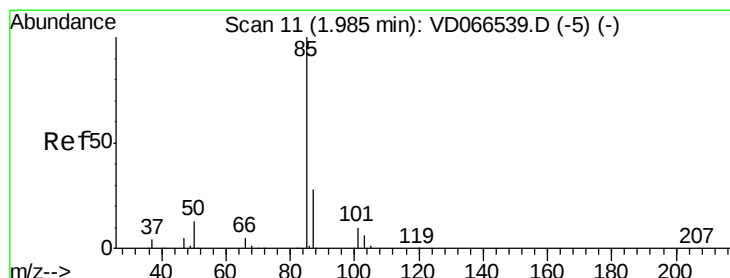
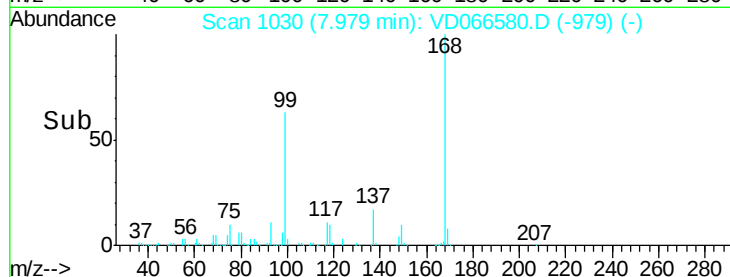
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066580.D

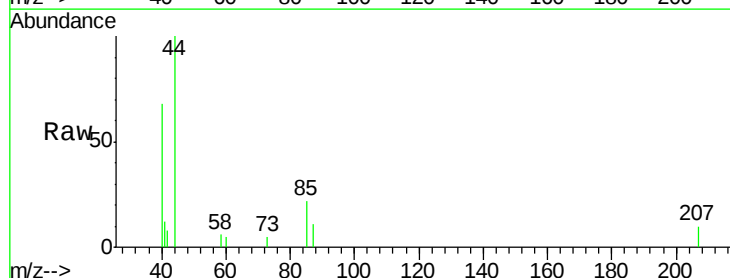
Acq: 09 Sep 2020 13:52

Tgt Ion: 85 Resp: 787

Ion Ratio Lower Upper

85 100

87 47.9 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

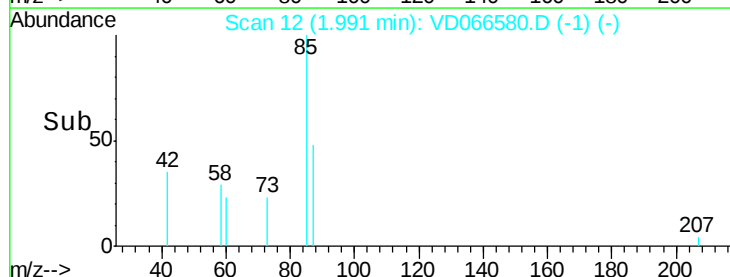
600

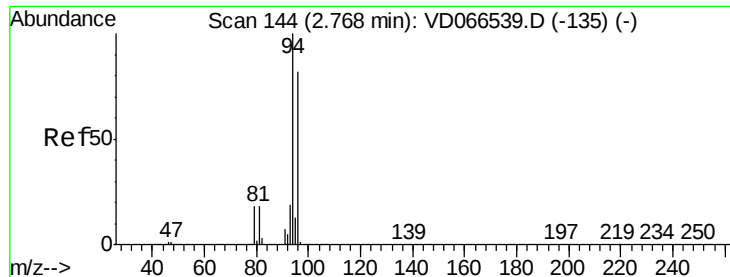
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Instrument :

MSVOA_D

ClientSampled :

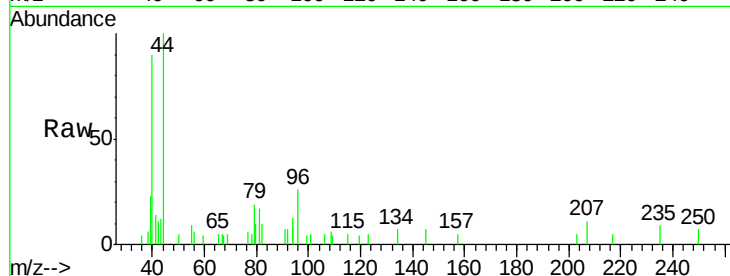
TP-2

Tgt Ion: 94 Resp: 1251

Ion Ratio Lower Upper

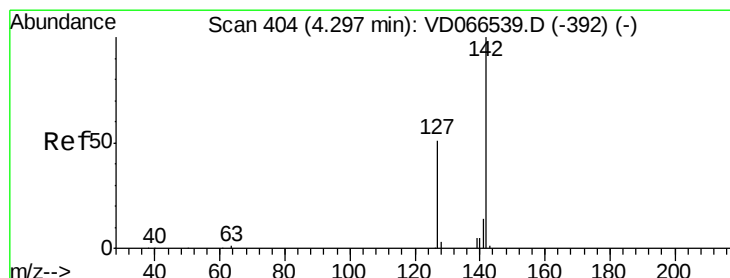
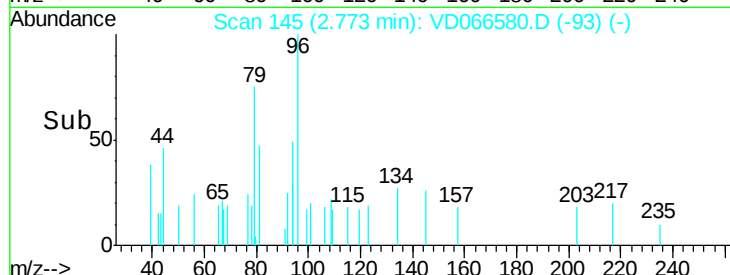
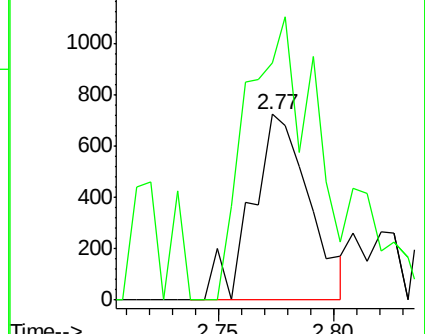
94 100

96 127.7 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.036 ug/l

RT: 4.34 min Scan# 412

Delta R.T. 0.05 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

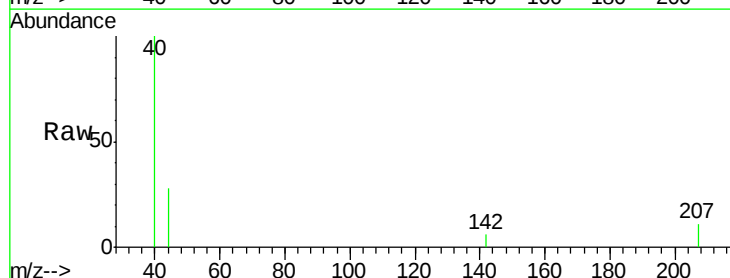
Tgt Ion: 142 Resp: 58

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

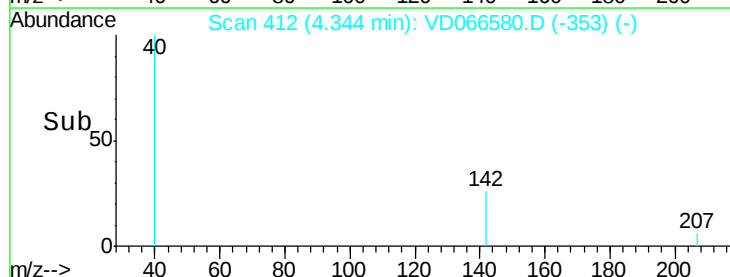
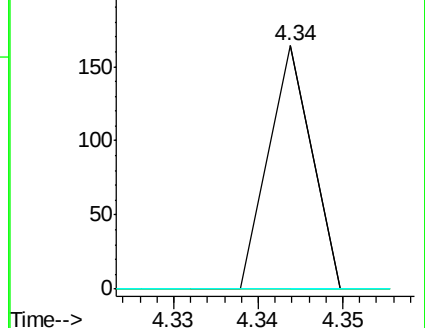
141 0.0 12.2 18.4#

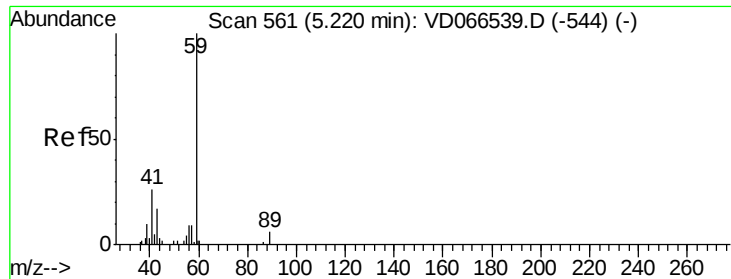


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

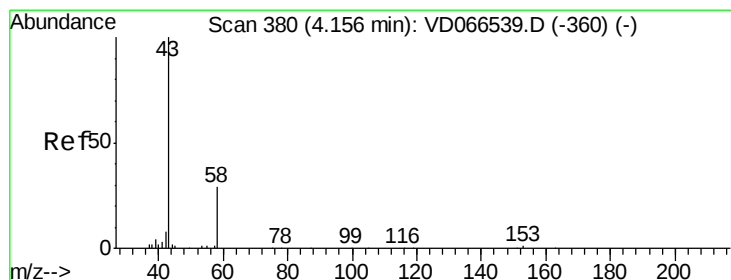
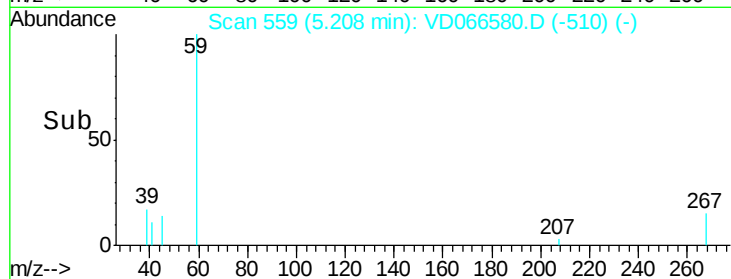
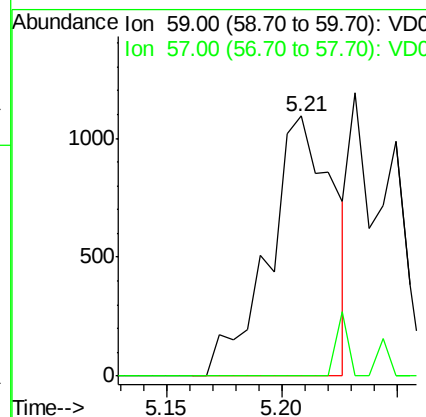
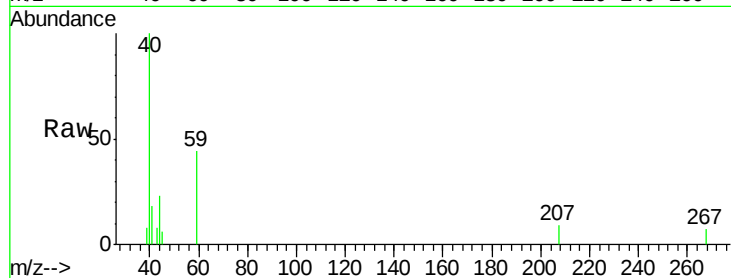




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

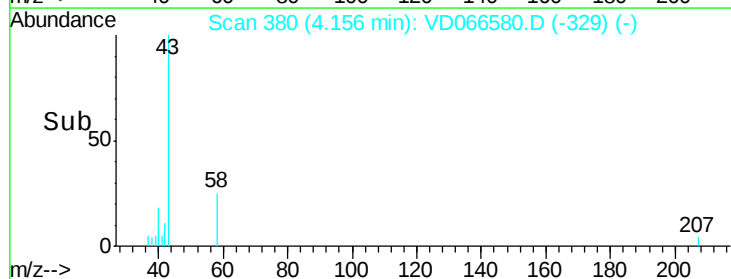
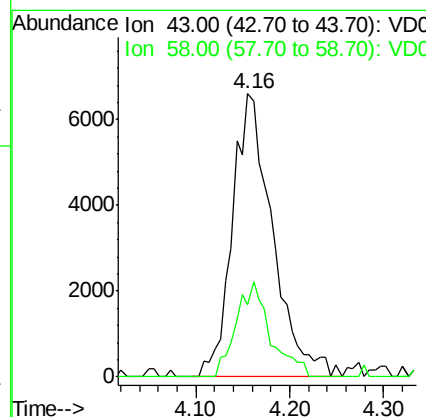
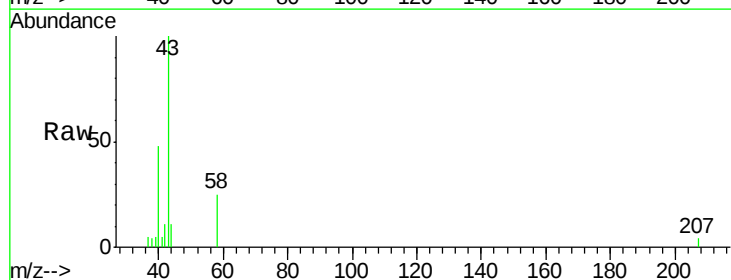
Instrument :
MSVOA_D
ClientSampleId :
TP-2

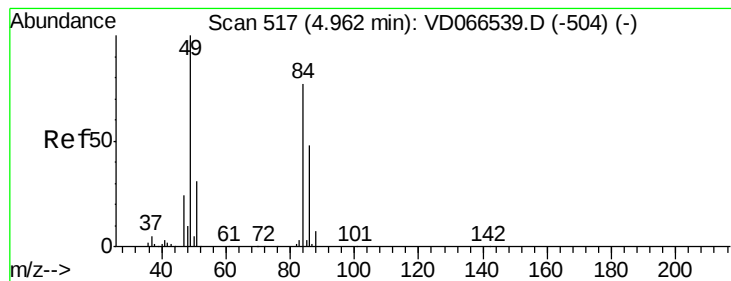
Tgt Ion: 59 Resp: 2126
Ion Ratio Lower Upper
59 100
57 4.5 7.6 11.4#



#16
Acetone
Concen: 21.477 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

Tgt Ion: 43 Resp: 19609
Ion Ratio Lower Upper
43 100
58 25.5 22.9 34.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

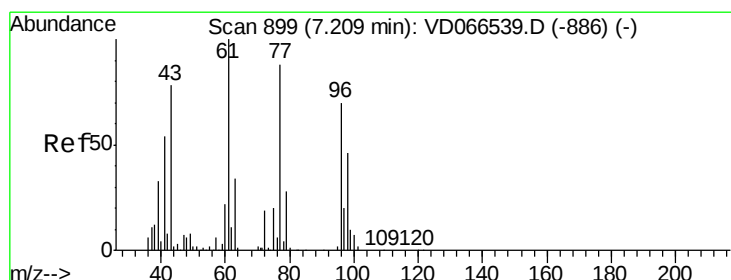
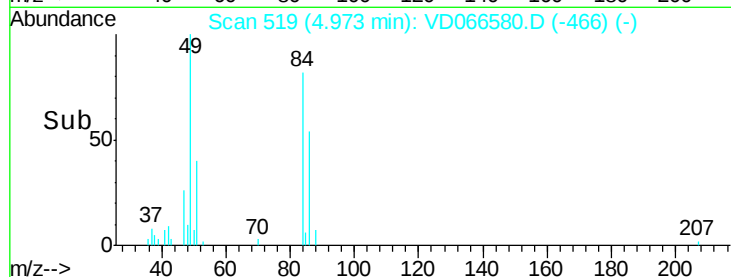
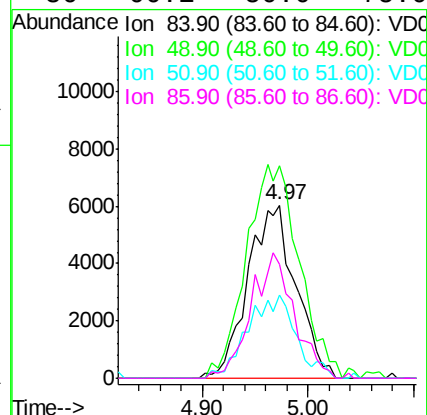
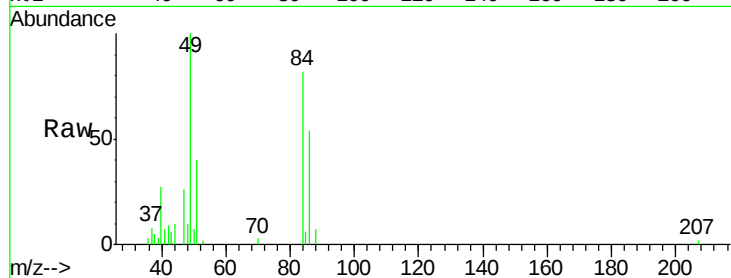
Delta R.T. 0.01 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tgt Ion:	84	Resp:	19017
Ion	Ratio	Lower	Upper
84	100		
49	122.5	104.3	156.5
51	48.4	32.2	48.4#
86	66.1	50.0	75.0



#25

2-Butanone

Concen: 210.316 ug/l

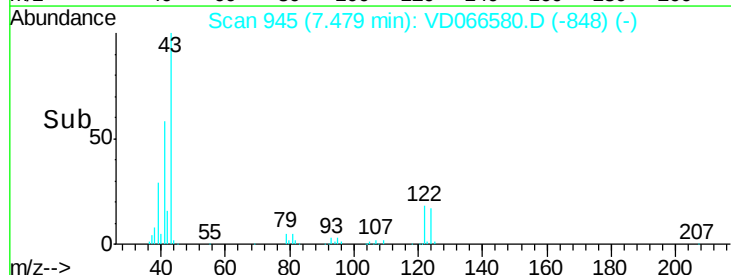
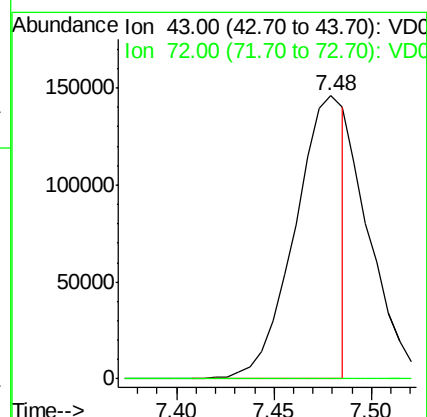
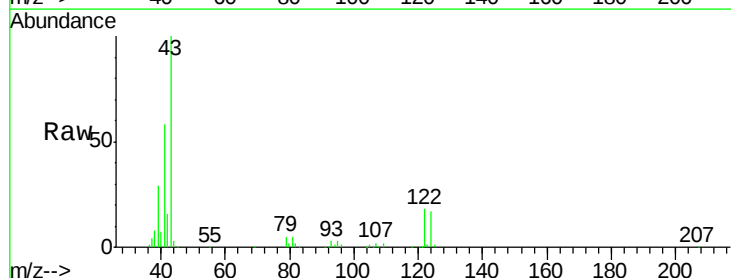
RT: 7.48 min Scan# 945

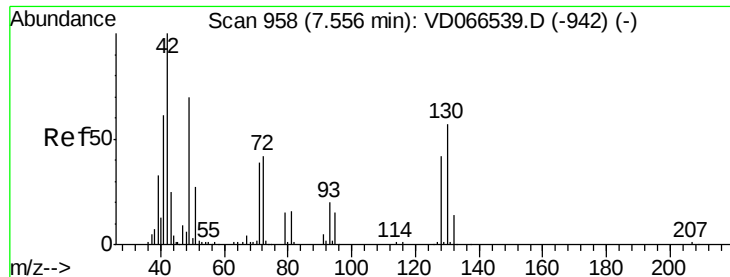
Delta R.T. 0.27 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Tgt Ion:	43	Resp:	257765
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#

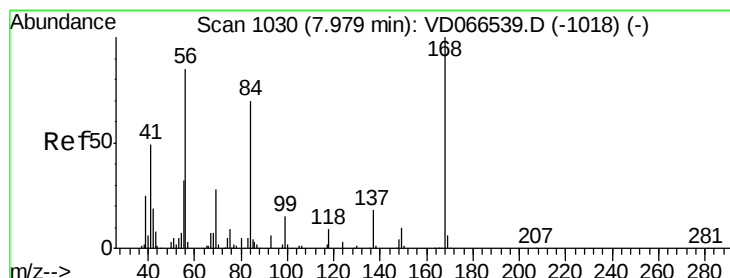
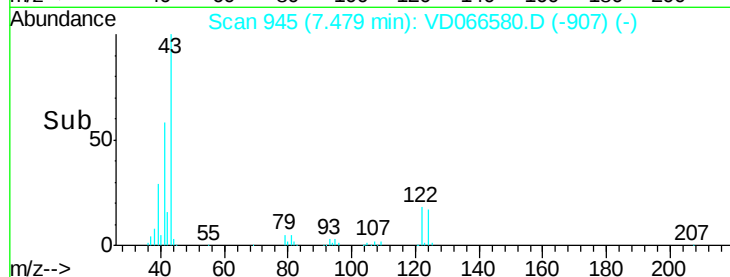
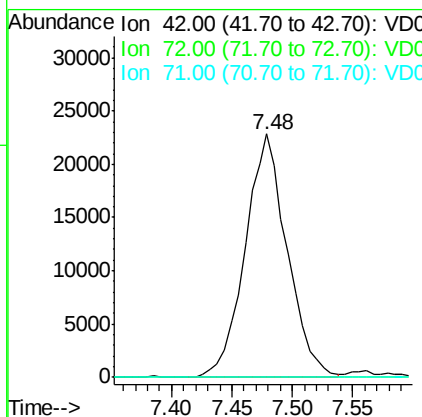
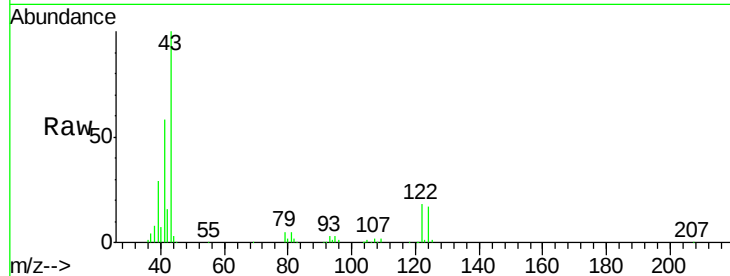




#29
Tetrahydrofuran
Concen: 71.950 ug/l
RT: 7.48 min Scan# 945
Delta R.T. -0.08 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

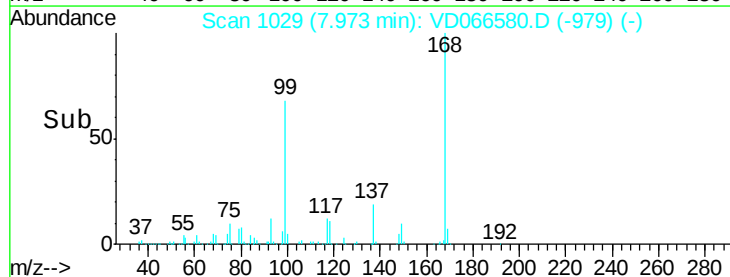
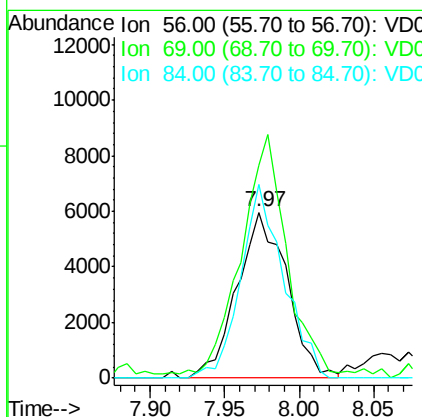
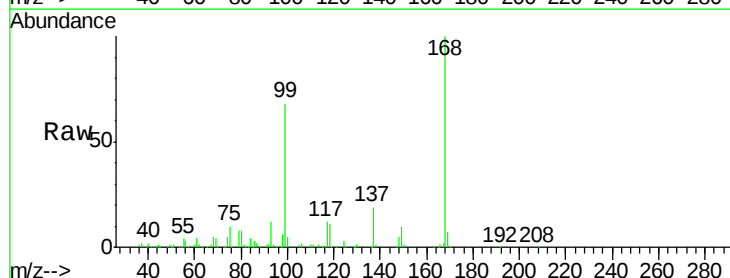
Instrument :
MSVOA_D
ClientSampleId :
TP-2

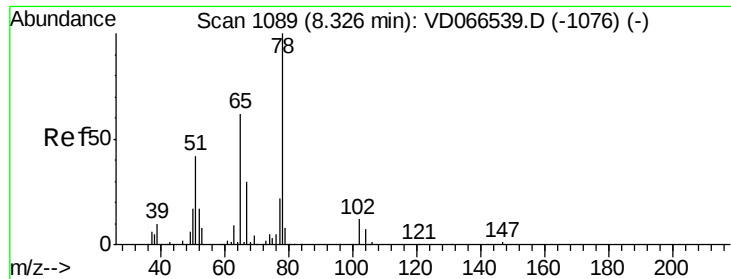
Tgt Ion: 42 Resp: 54919
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.9 47.9#



#31
Cyclohexane
Concen: 1.710 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

Tgt Ion: 56 Resp: 13842
Ion Ratio Lower Upper
56 100
69 125.4 26.3 39.5#
84 116.6 66.1 99.1#

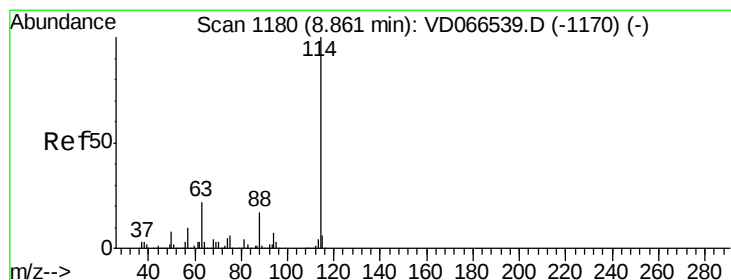
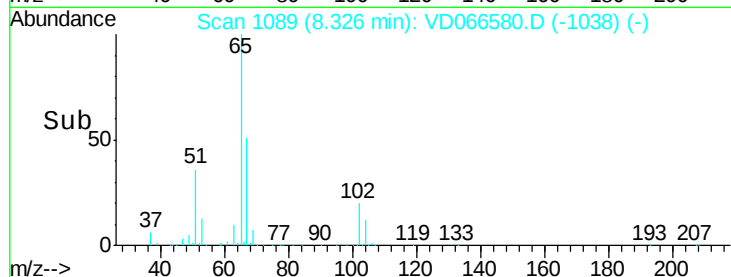
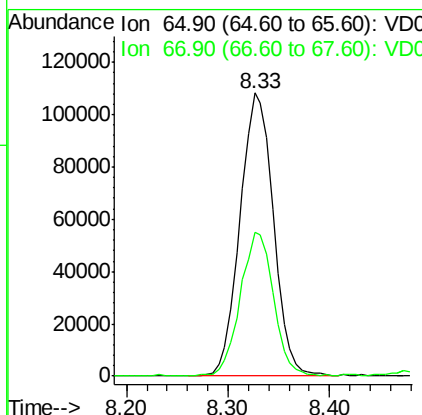
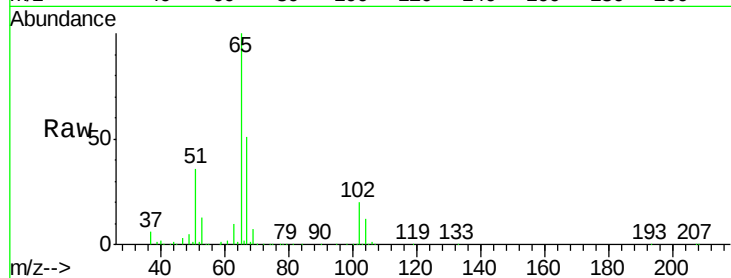




#33
 1,2-Dichloroethane-d4
 Concen: 50.077 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066580.D
 Acq: 09 Sep 2020 13:52

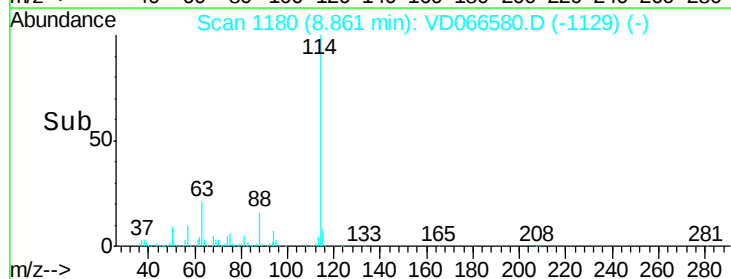
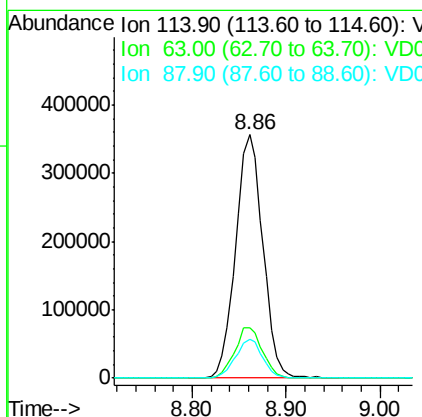
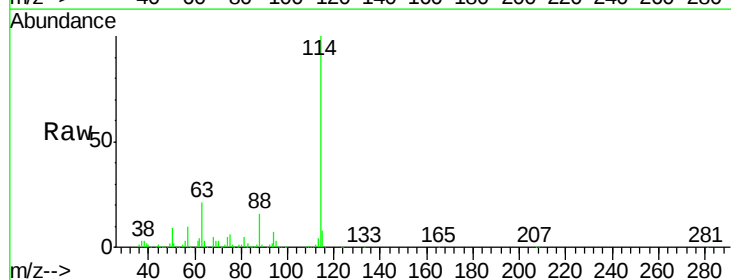
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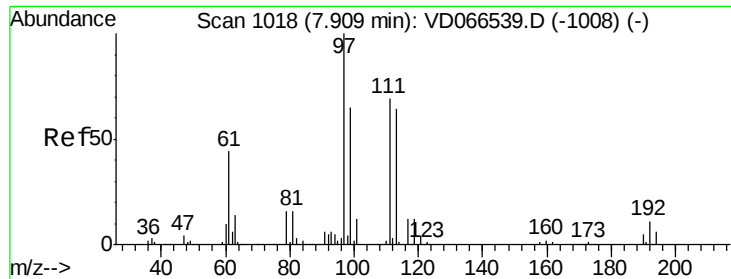
Tgt Ion: 65 Resp: 248486
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066580.D
 Acq: 09 Sep 2020 13:52

Tgt Ion: 114 Resp: 716777
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.2
 88 15.9 0.0 33.2

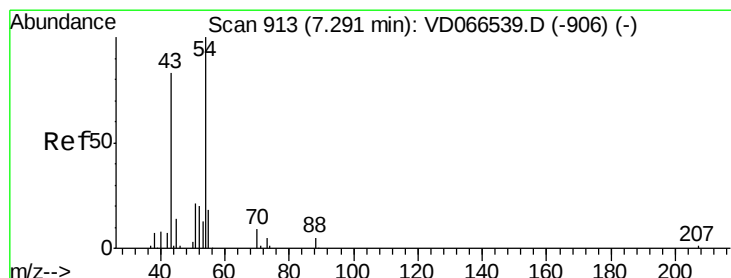
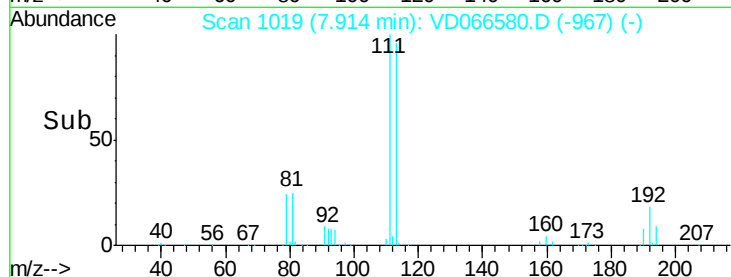
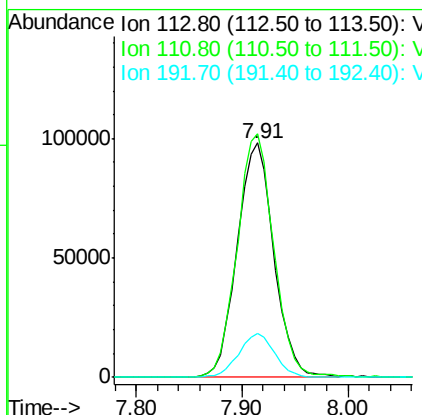
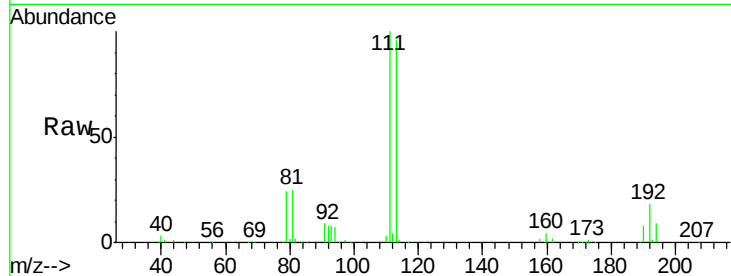




#35
 Dibromofluoromethane
 Concen: 48.886 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066580.D
 Acq: 09 Sep 2020 13:52

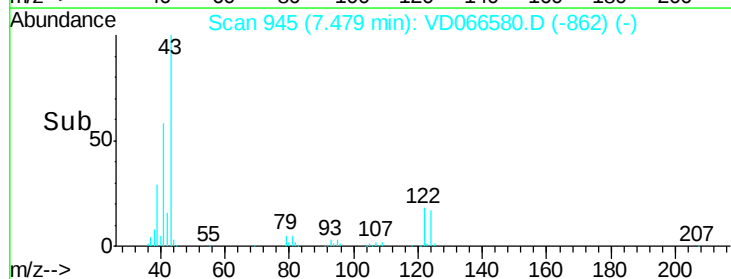
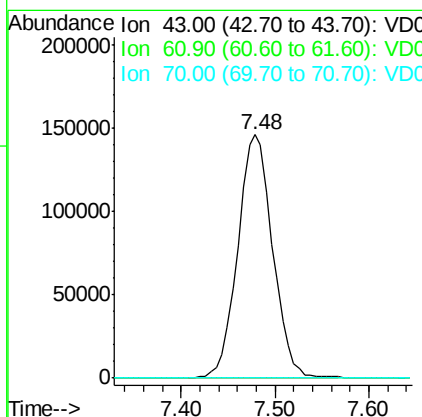
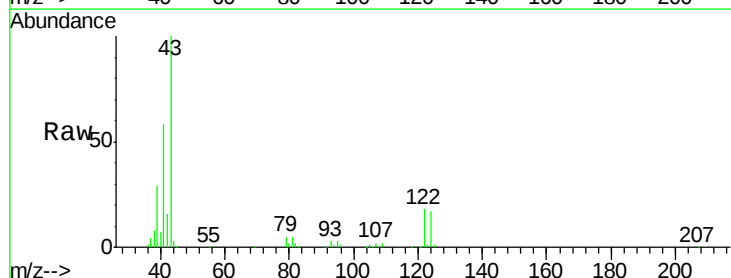
Instrument :
 MSVOA_D
 ClientSampled :
 TP-2

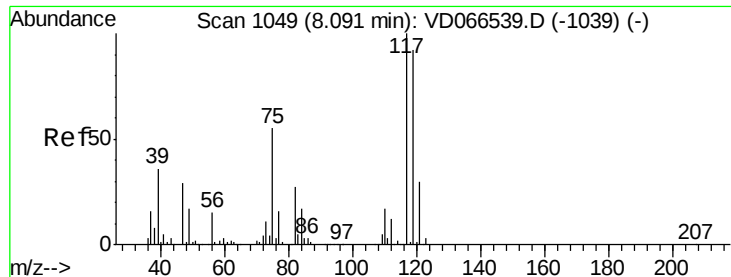
Tgt Ion: 113 Resp: 236384
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.2 124.8
 192 18.5 13.7 20.5



#37
 Ethyl Acetate
 Concen: 125.786 ug/l
 RT: 7.48 min Scan# 945
 Delta R.T. 0.19 min
 Lab File: VD066580.D
 Acq: 09 Sep 2020 13:52

Tgt Ion: 43 Resp: 373627
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.8#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Instrument :

MSVOA_D

ClientSampled :

TP-2

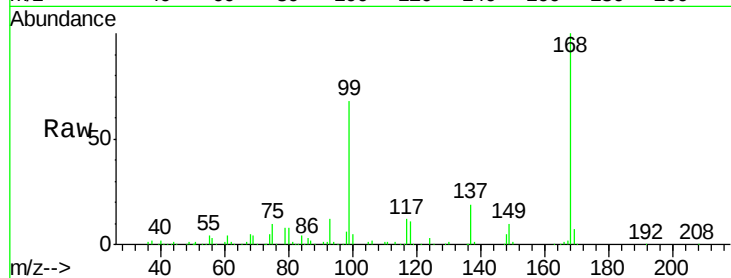
Tgt Ion: 117 Resp: 45265

Ion Ratio Lower Upper

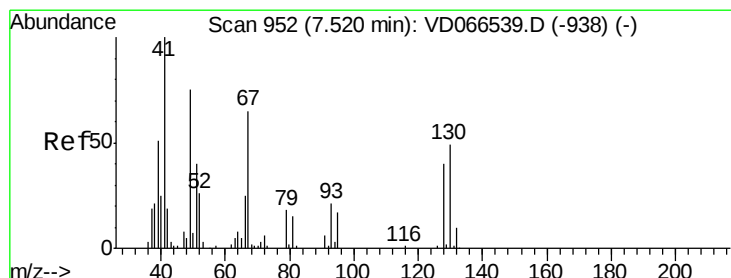
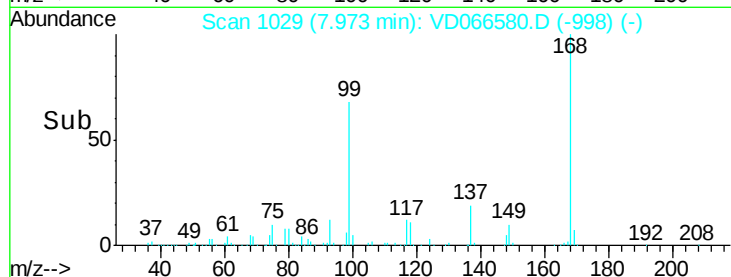
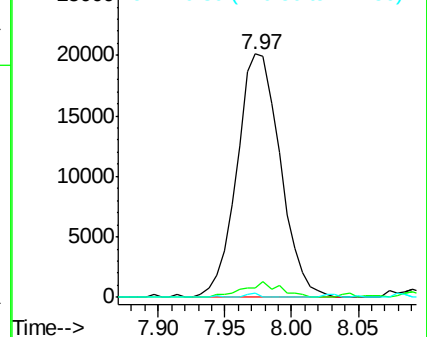
117 100

119 4.0 73.9 110.9#

121 1.5 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 157.616 ug/l

RT: 7.48 min Scan# 945

Delta R.T. -0.04 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Tgt Ion: 41 Resp: 226623

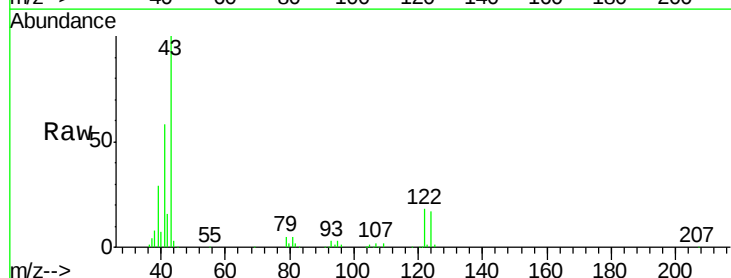
Ion Ratio Lower Upper

41 100

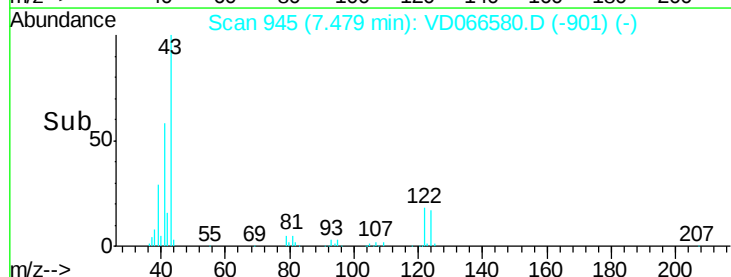
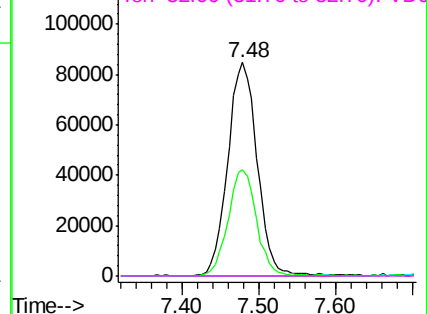
39 47.8 53.6 80.4#

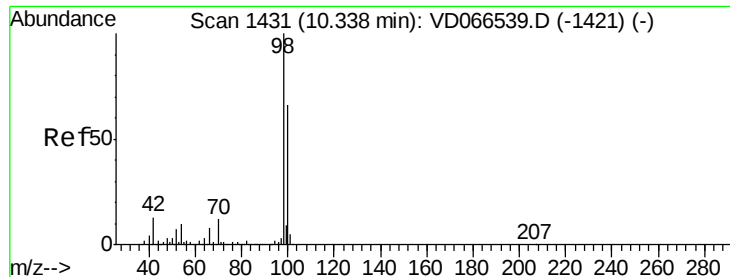
67 0.0 59.2 88.8#

52 0.0 26.8 40.2#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 51.689 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Instrument :

MSVOA_D

ClientSampled :

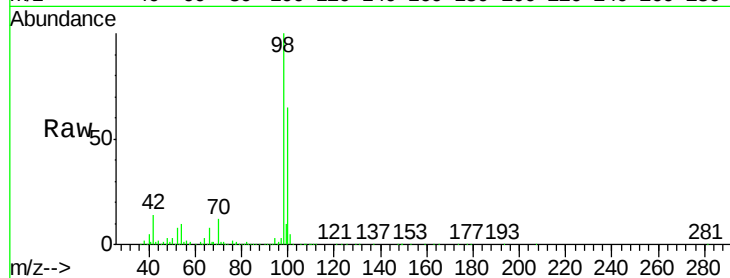
TP-2

Tgt Ion: 98 Resp: 893320

Ion Ratio Lower Upper

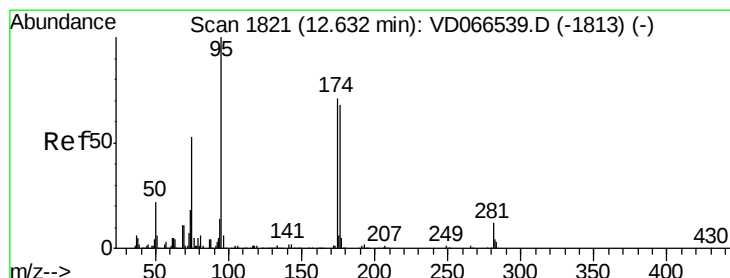
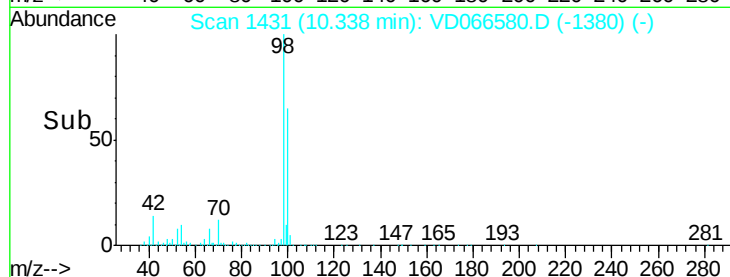
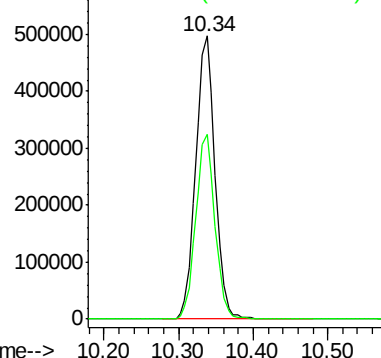
98 100

100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 54.993 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

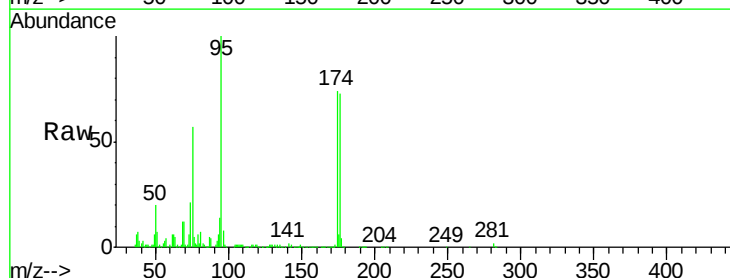
Tgt Ion: 95 Resp: 315147

Ion Ratio Lower Upper

95 100

174 75.8 0.0 155.8

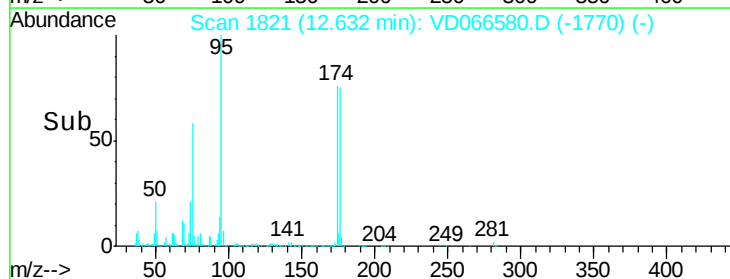
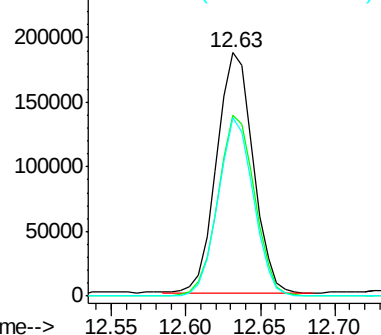
176 71.7 0.0 148.6

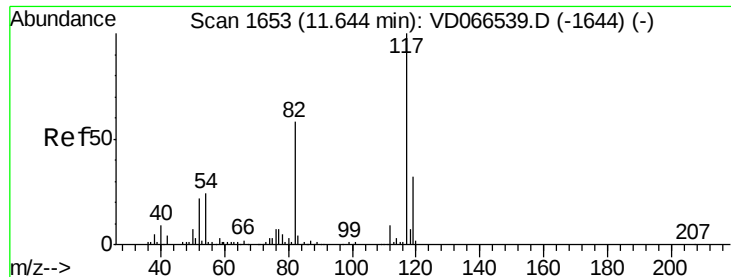


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

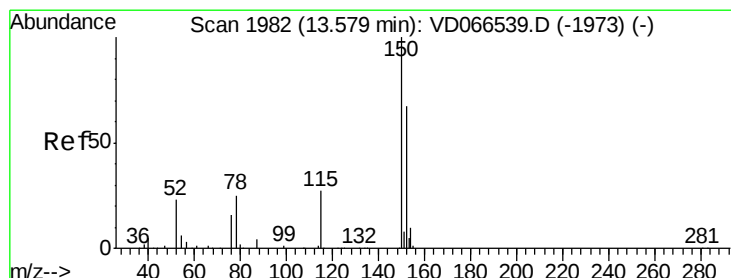
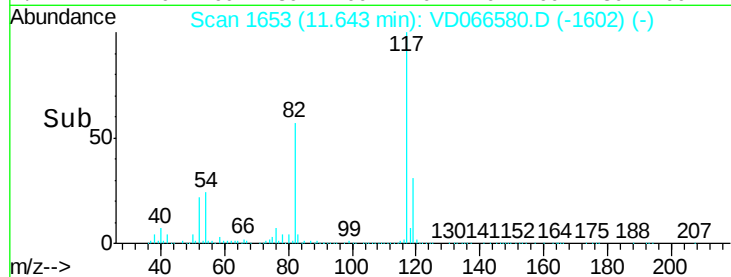
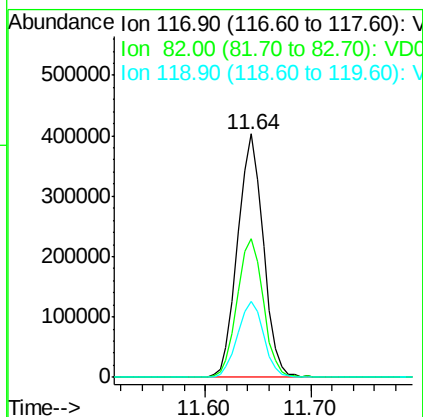
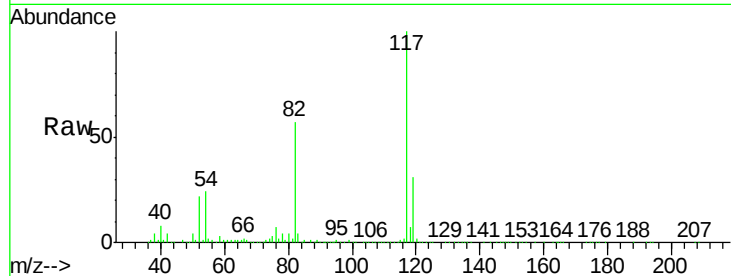




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

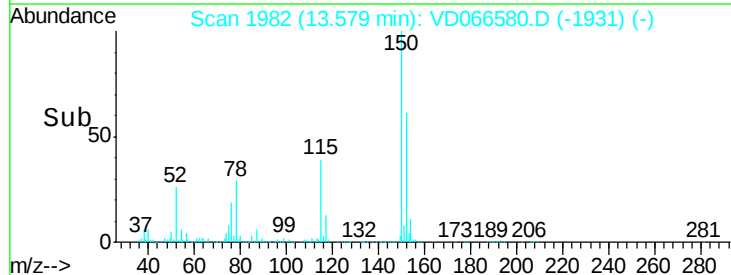
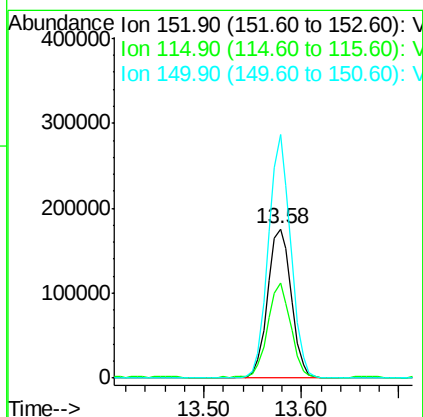
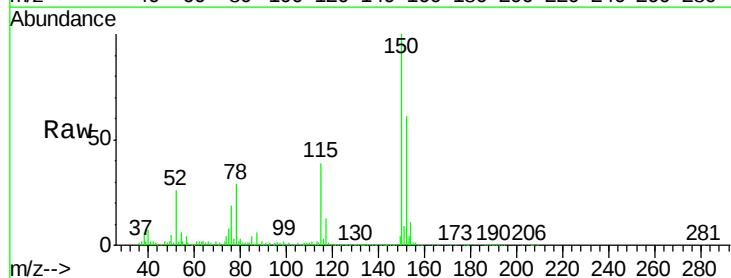
Instrument :
MSVOA_D
ClientSampleId :
TP-2

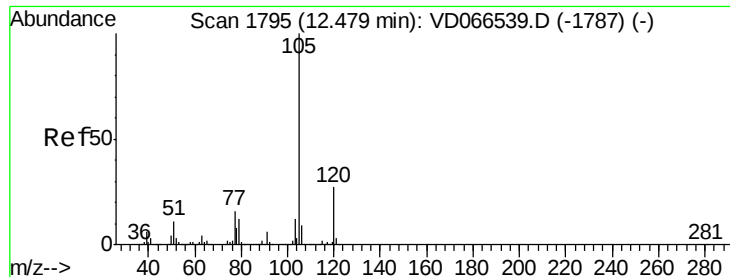
Tgt Ion:117 Resp: 675268
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.2
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

Tgt Ion:152 Resp: 299274
Ion Ratio Lower Upper
152 100
115 61.8 30.4 91.2
150 152.9 0.0 345.8





#73

Isopropylbenzene

Concen: 1.575 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

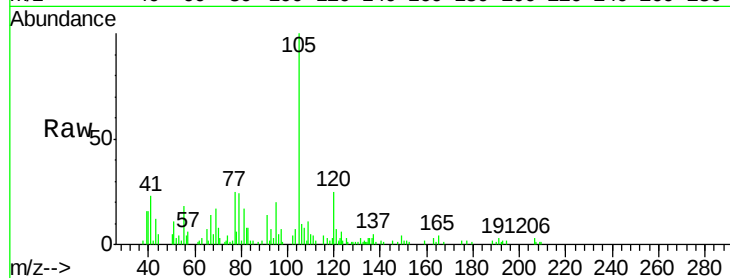
TP-2

Tgt Ion: 105 Resp: 34888

Ion Ratio Lower Upper

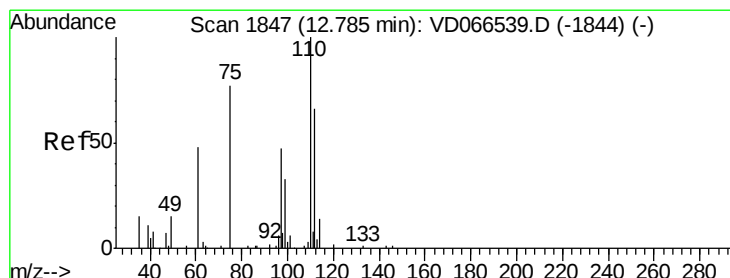
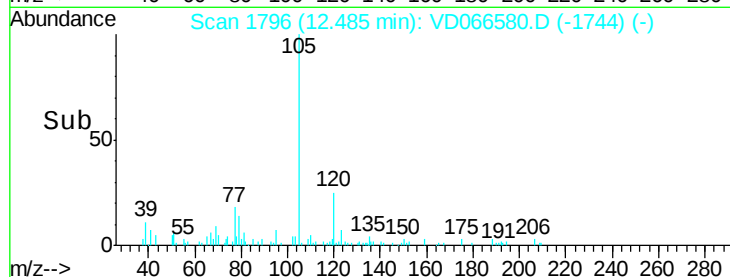
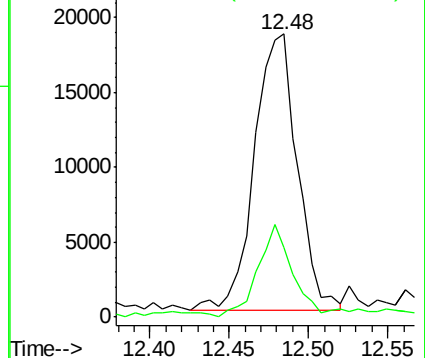
105 100

120 27.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 61.517 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066580.D

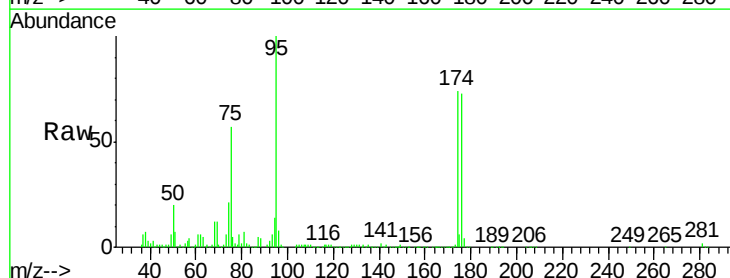
Acq: 09 Sep 2020 13:52

Tgt Ion: 75 Resp: 177058

Ion Ratio Lower Upper

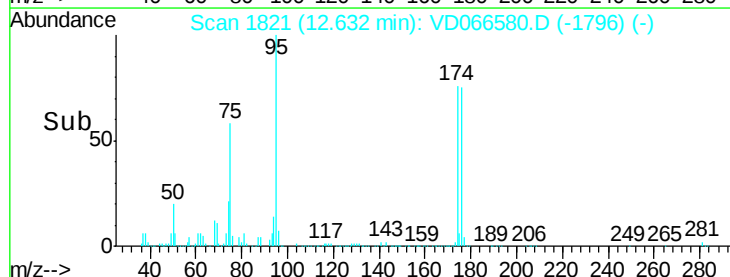
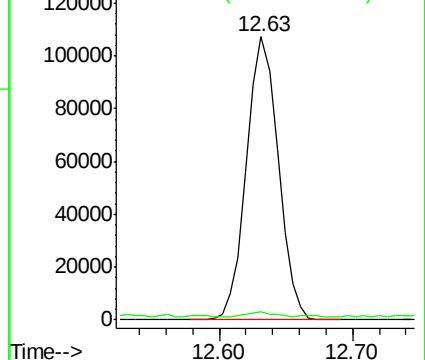
75 100

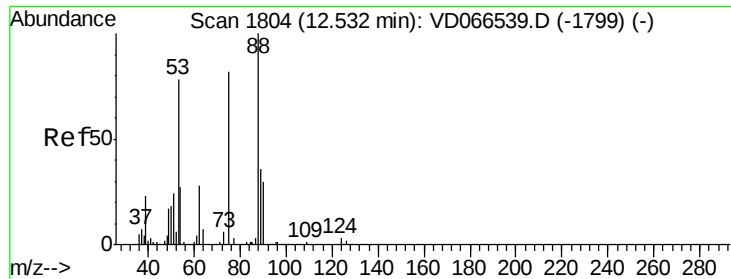
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

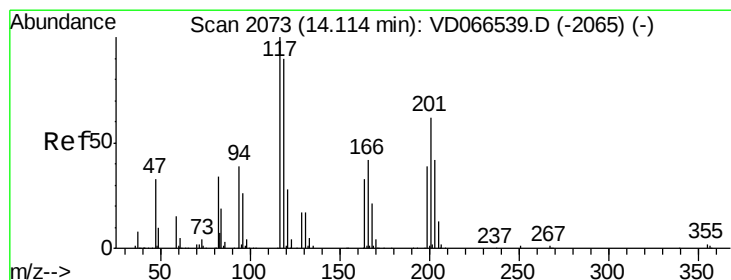
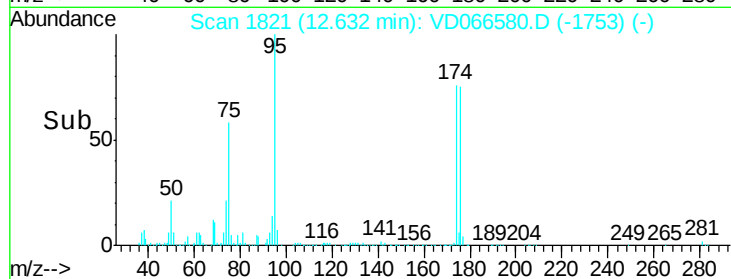
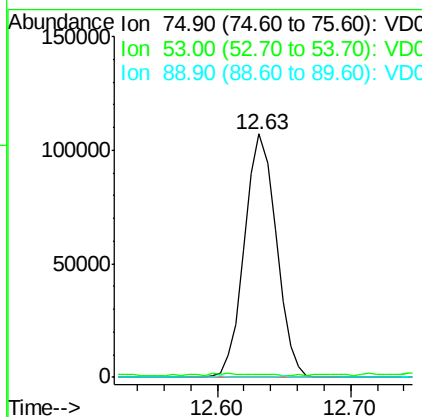
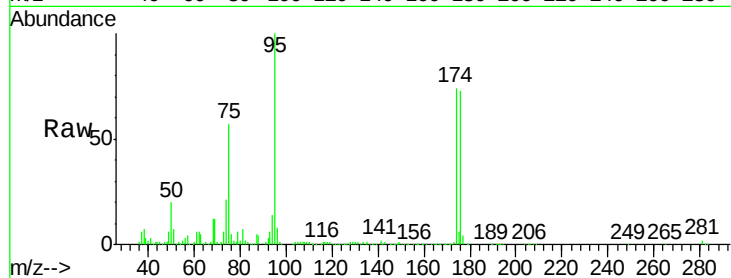




#81
trans-1,4-Dichloro-2-butene
Concen: 143.620 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

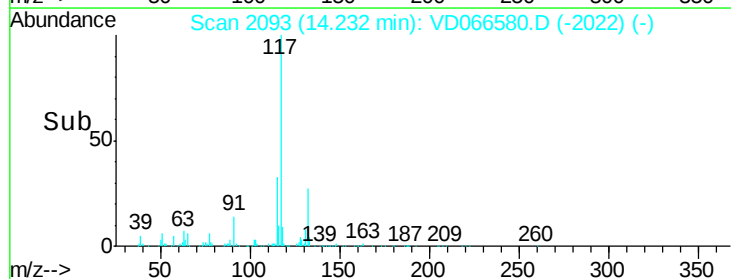
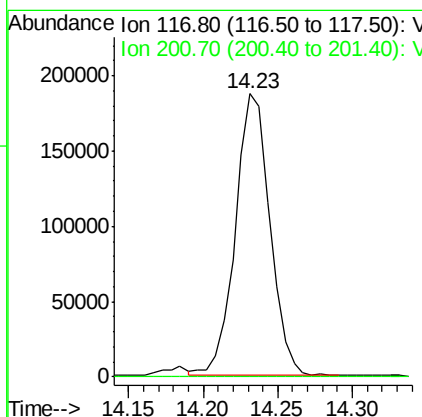
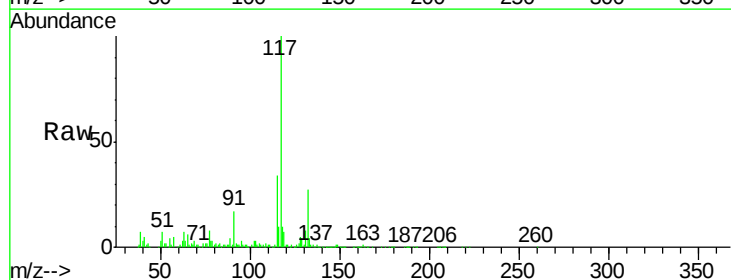
Instrument :
MSVOA_D
ClientSampleId :
TP-2

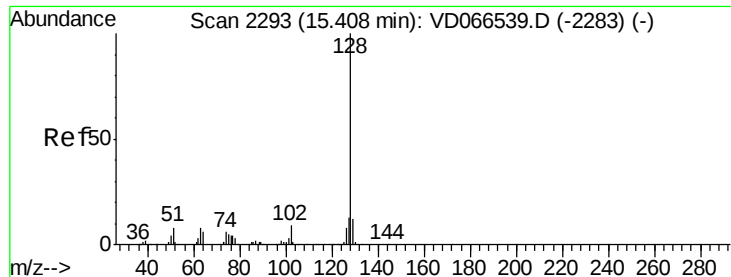
Tgt Ion: 75 Resp: 177058
Ion Ratio Lower Upper
75 100
53 0.1 87.0 130.4#
89 0.4 37.1 55.7#



#90
Hexachloroethane
Concen: 70.657 ug/l
RT: 14.23 min Scan# 2093
Delta R.T. 0.12 min
Lab File: VD066580.D
Acq: 09 Sep 2020 13:52

Tgt Ion: 117 Resp: 300664
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.5#





#95

Naphthalene

Concen: 1.120 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066580.D

Acq: 09 Sep 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

TP-2

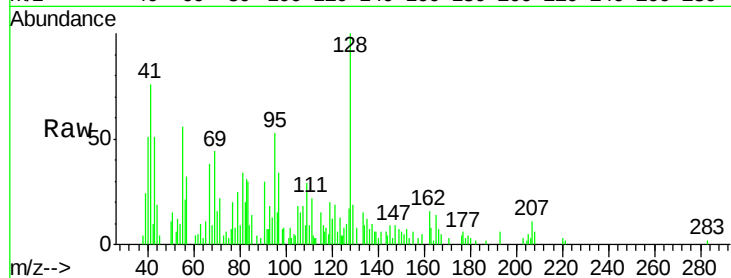
Tgt Ion:128 Resp: 10068

Ion Ratio Lower Upper

128 100

127 18.4 10.7 16.1#

129 15.4 9.1 13.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

