

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065927.D
 Acq On : 07 Jul 2020 17:44
 Operator : VA/SY
 Sample : VD0707SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBL01

Quant Time: Jul 08 09:48:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

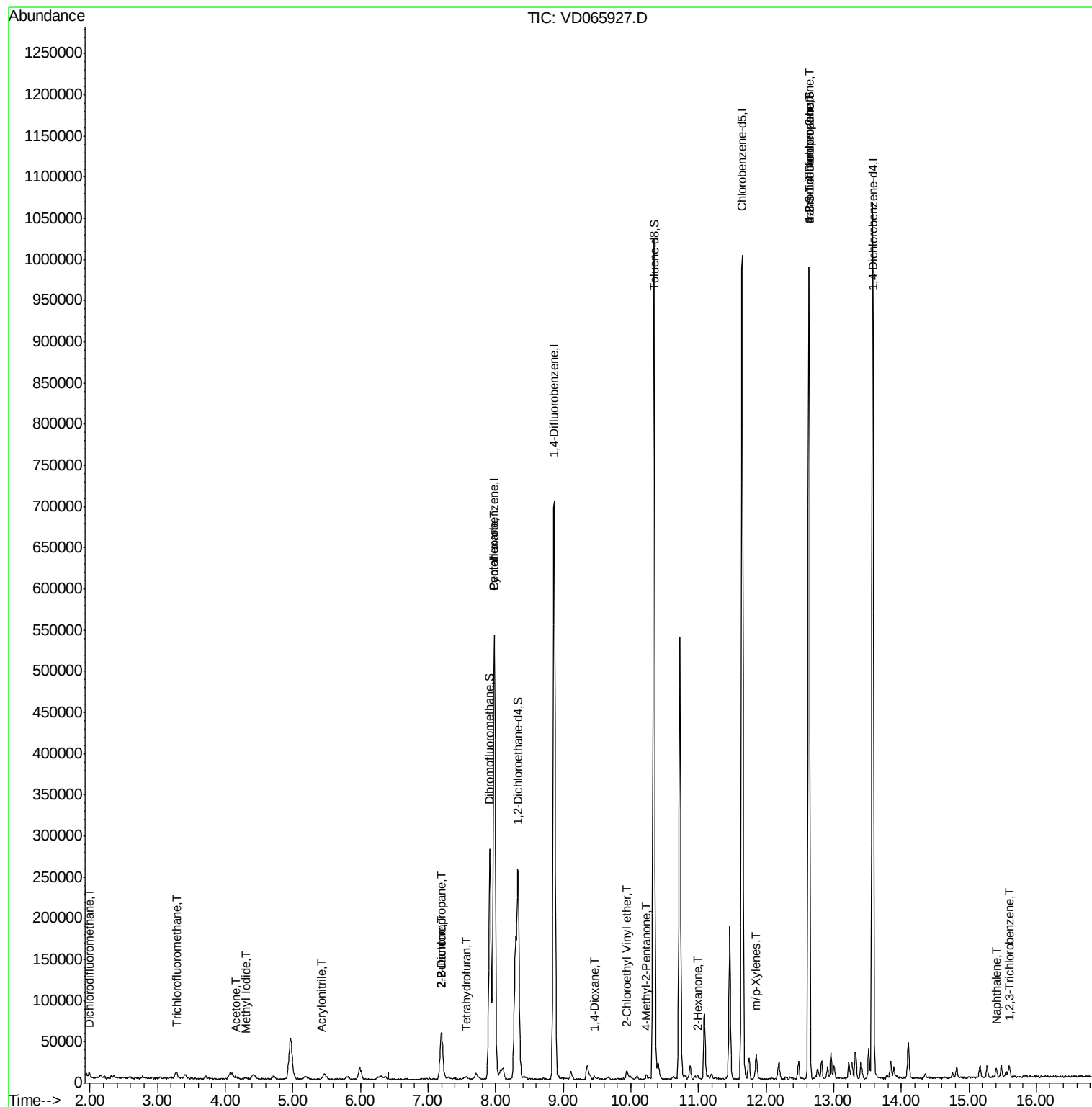
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	649438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	599129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290056	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	185133	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
35) Dibromofluoromethane	7.91	113	197346	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
50) Toluene-d8	10.34	98	698500	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.64	95	250246	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	4022	1.081	ug/l #	71
7) Trichlorofluoromethane	3.28	101	8724	1.201	ug/l	100
10) Methyl Iodide	4.30	142	2789	3.092	ug/l #	79
11) Tert butyl alcohol	5.21	59	2255	Below Cal	#	71
13) Acrolein	3.94	56	396	Below Cal	#	15
15) Acrylonitrile	5.43	53	1663	1.907	ug/l #	80
16) Acetone	4.16	43	4294	4.938	ug/l	100
20) Methylene Chloride	4.97	84	38198	Below Cal		93
25) 2-Butanone	7.20	43	2964	2.580	ug/l #	77
26) 2,2-Dichloropropane	7.20	77	7868	1.167	ug/l #	59
29) Tetrahydrofuran	7.56	42	1322	1.809	ug/l #	86
31) Cyclohexane	7.98	56	13100	1.728	ug/l #	13
49) 1,4-Dioxane	9.47	88	264	9.704	ug/l #	56
51) 4-Methyl-2-Pentanone	10.23	43	3910	1.546	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.94	63	4632	2.482	ug/l	90
59) 2-Hexanone	10.98	43	3161	1.817	ug/l	80
68) m/p-Xylenes	11.86	106	10216	1.254	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	125110	51.418	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	125110	110.483	ug/l #	12
95) Naphthalene	15.40	128	9664	1.007	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	5115	1.036	ug/l	93

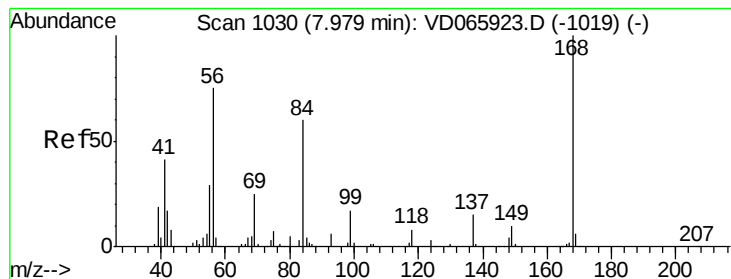
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 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: VD065927.D

Acq: 07 Jul 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

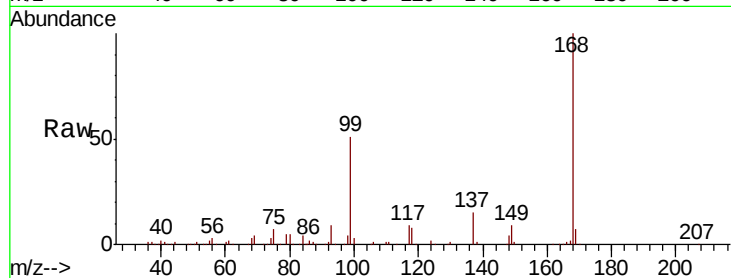
VD0707SBL01

Tot Ion:168 Resp: 418677

Ion Ratio Lower Upper

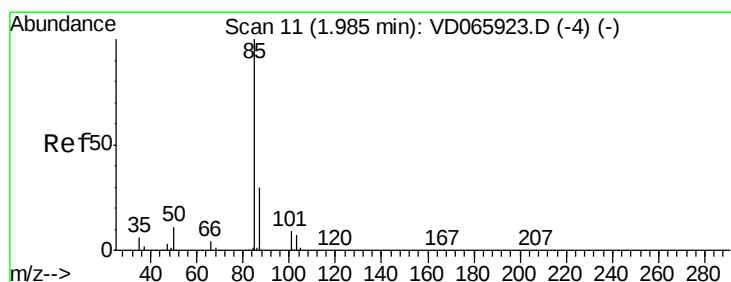
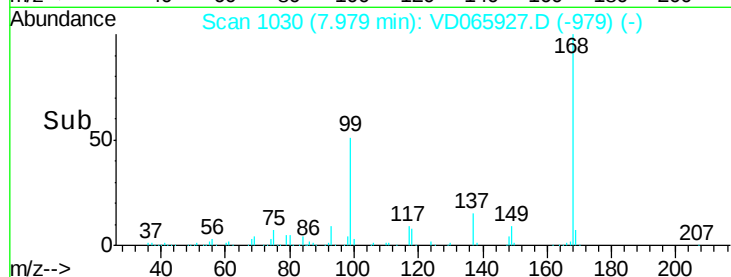
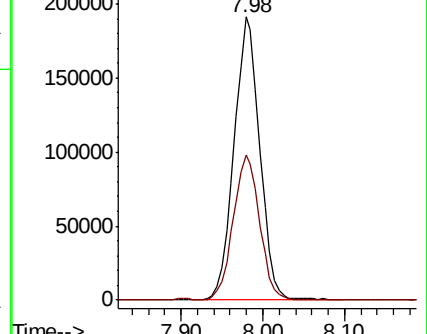
168 100

99 51.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.081 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065927.D

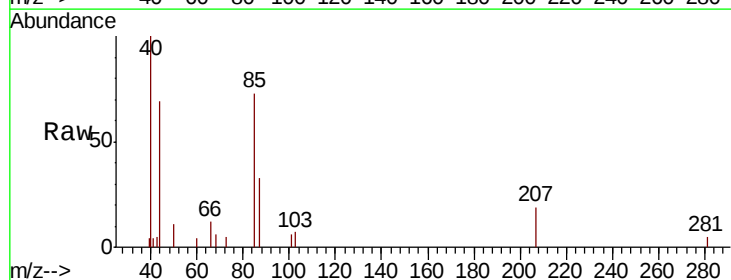
Acq: 07 Jul 2020 17:44

Tgt Ion: 85 Resp: 4022

Ion Ratio Lower Upper

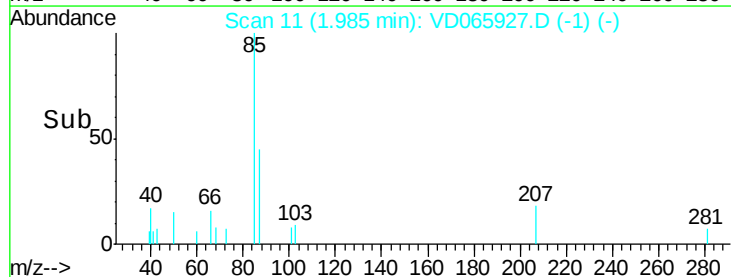
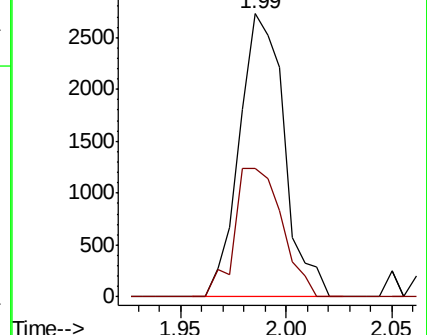
85 100

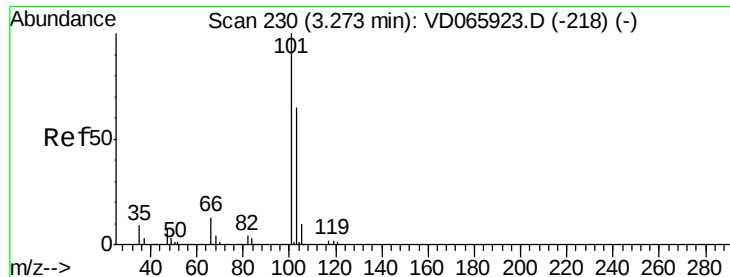
87 45.4 14.9 44.9#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



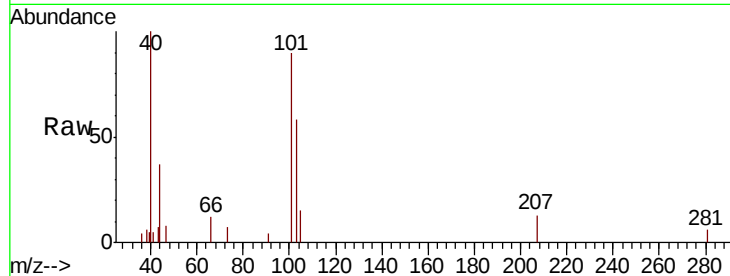


#7

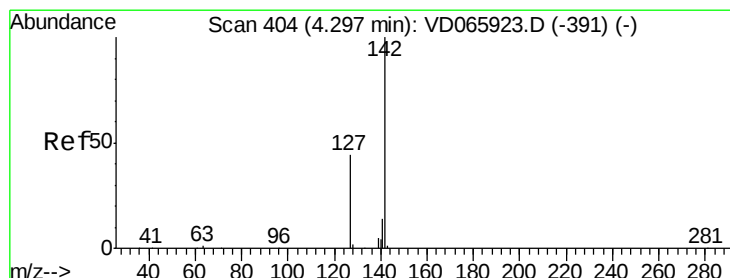
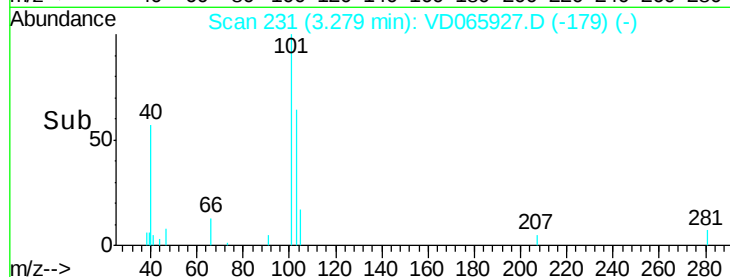
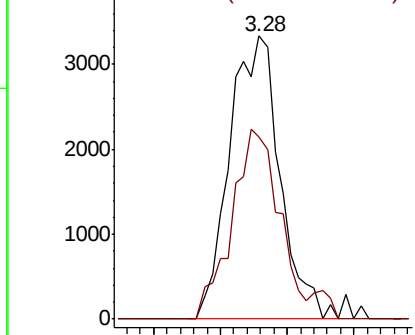
Trichlorofluoromethane
 Concen: 1.201 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBL01

Tot Ion:101 Resp: 8724
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.7 77.5



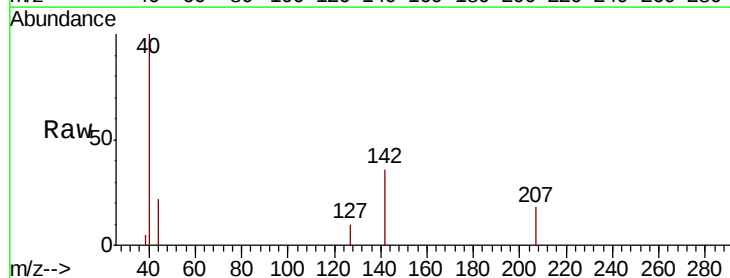
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



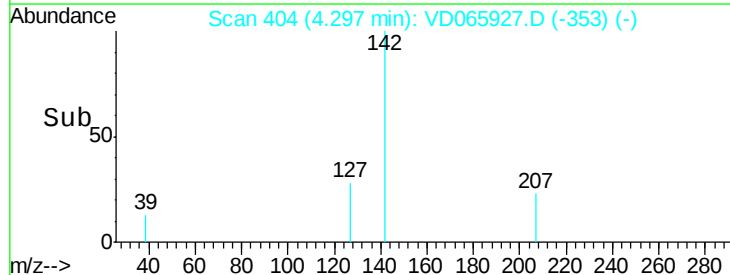
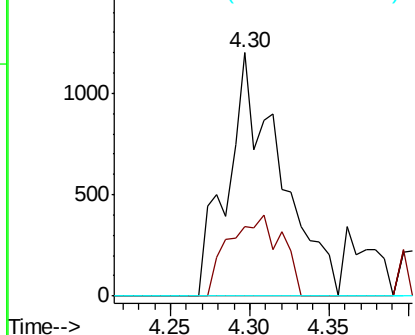
#10

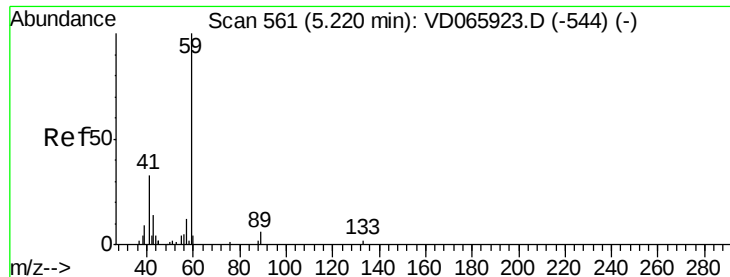
Methyl Iodide
 Concen: 3.092 ug/l
 RT: 4.30 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

Tgt Ion:142 Resp: 2789
 Ion Ratio Lower Upper
 142 100
 127 32.9 34.6 51.8#
 141 0.0 11.6 17.4#



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



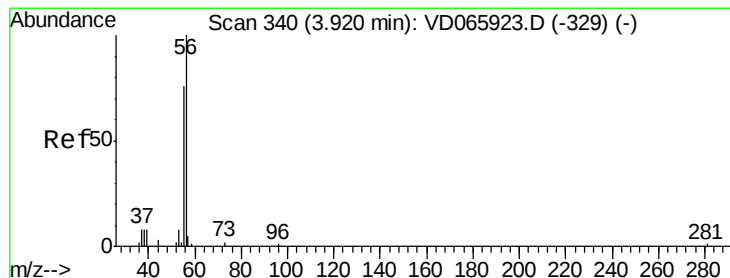
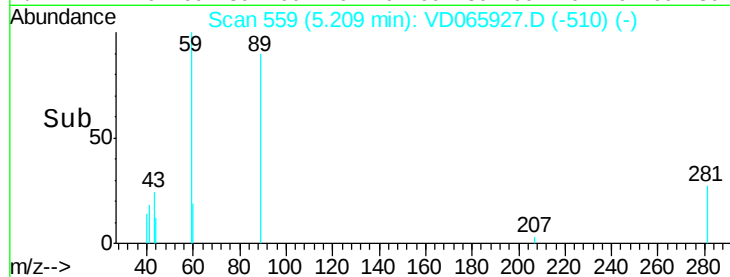
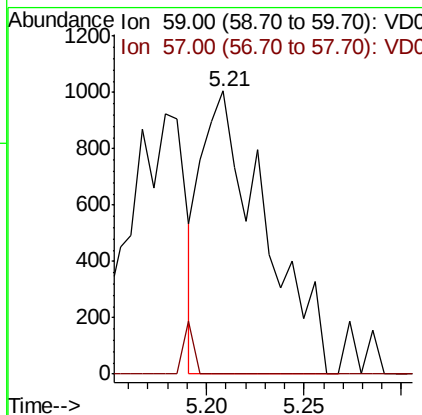
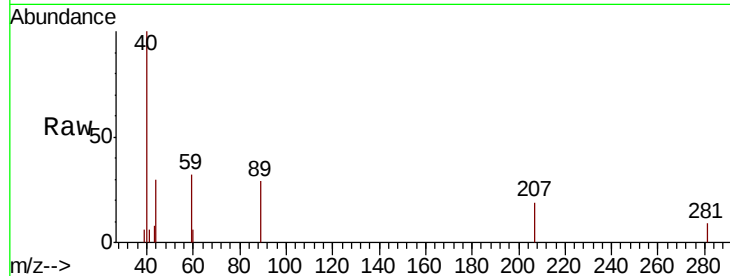


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBL01

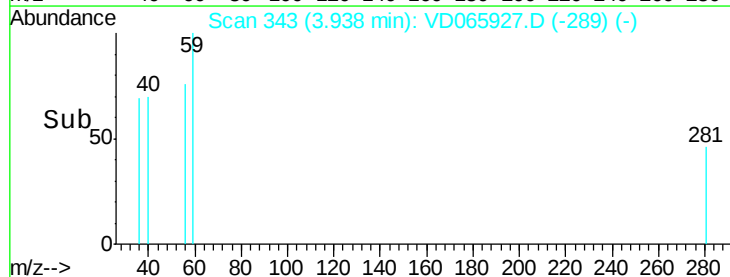
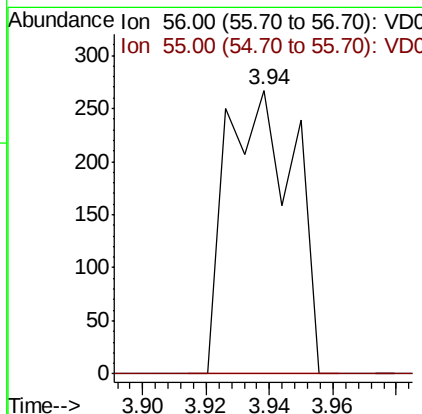
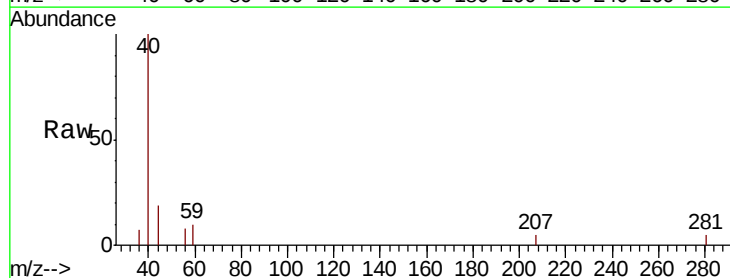
Tot Ion: 59 Resp: 2255
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

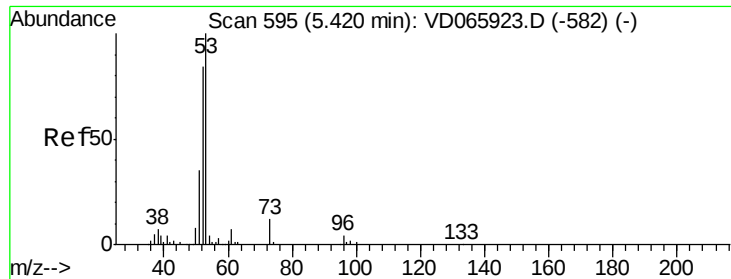


#13

Acrolein
 Concen: Below Cal
 RT: 3.94 min Scan# 343
 Delta R.T. 0.02 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

Tgt Ion: 56 Resp: 396
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.0 82.6#





#15

Acrylonitrile

Concen: 1.907 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065927.D

Acq: 07 Jul 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBL01

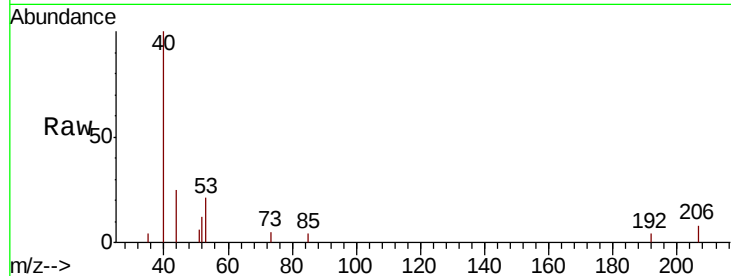
Tot Ion: 53 Resp: 1663

Ion Ratio Lower Upper

53 100

52 73.6 66.3 99.5

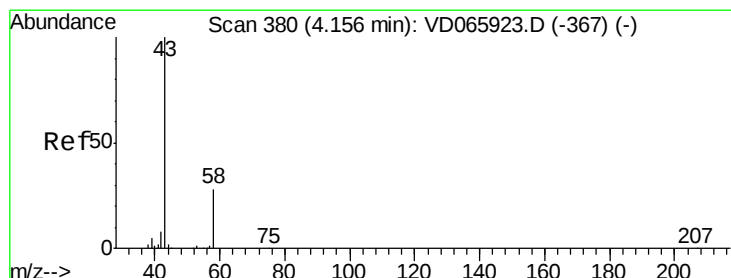
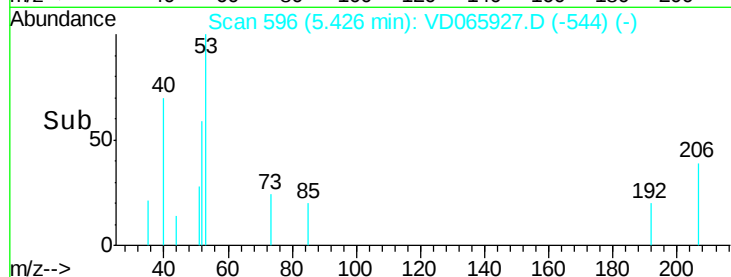
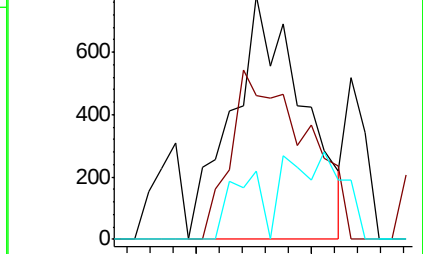
51 12.1 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 4.938 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065927.D

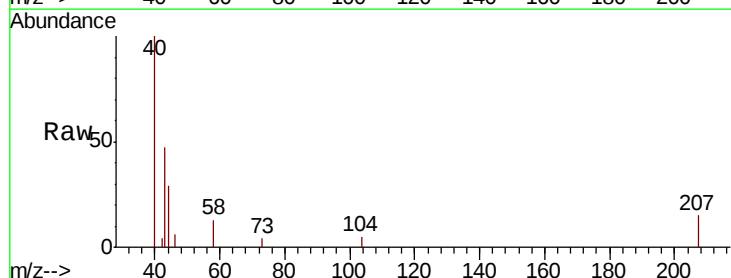
Acq: 07 Jul 2020 17:44

Tgt Ion: 43 Resp: 4294

Ion Ratio Lower Upper

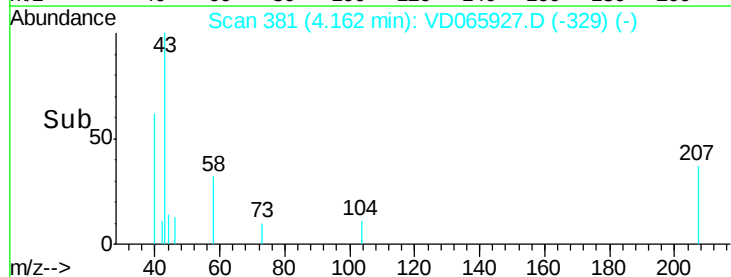
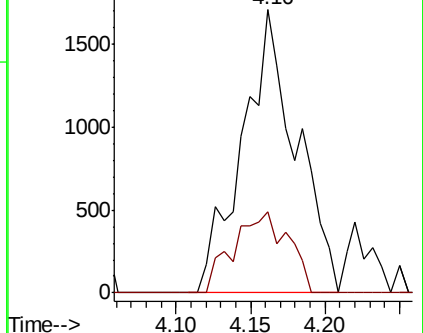
43 100

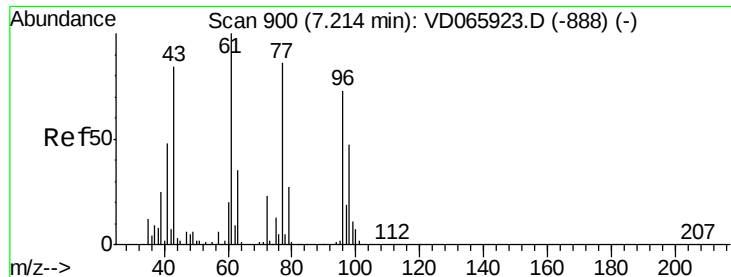
58 28.6 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

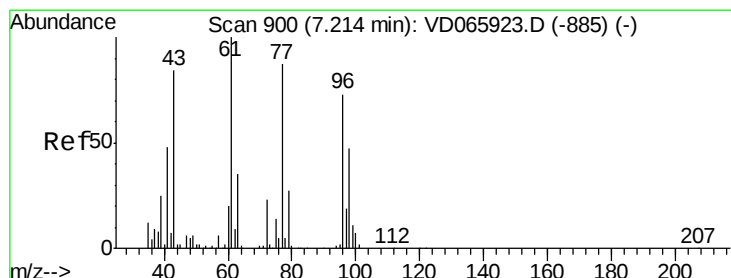
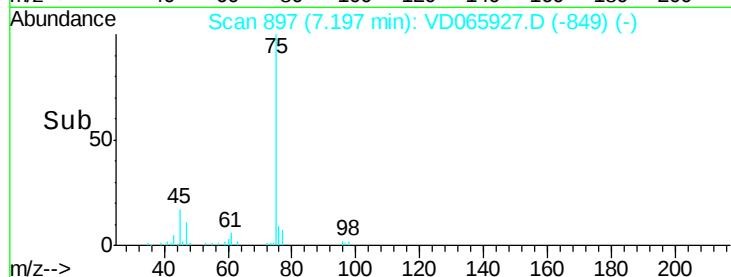
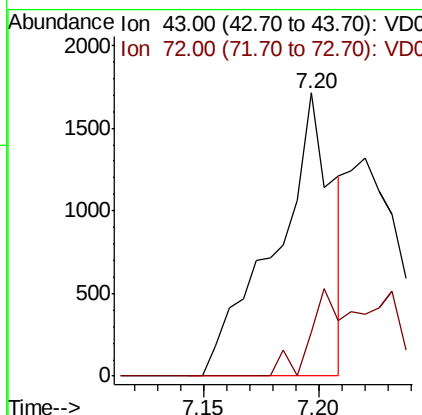
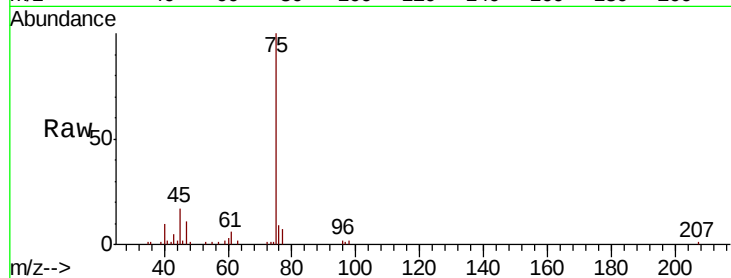




#25
2-Butanone
Concen: 2.580 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

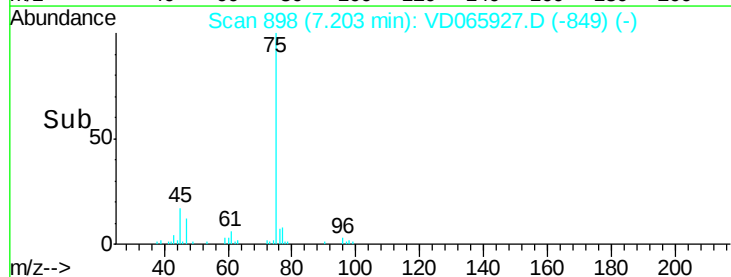
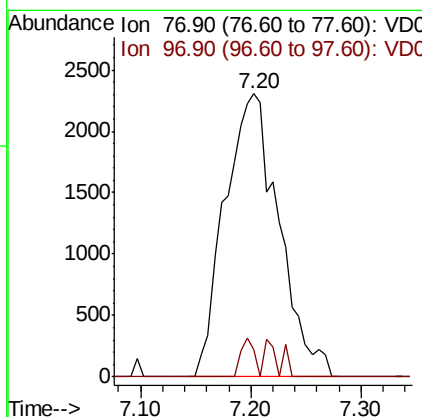
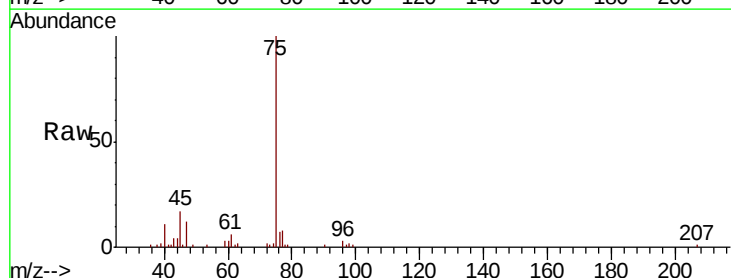
Instrument :
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VD0707SBL01

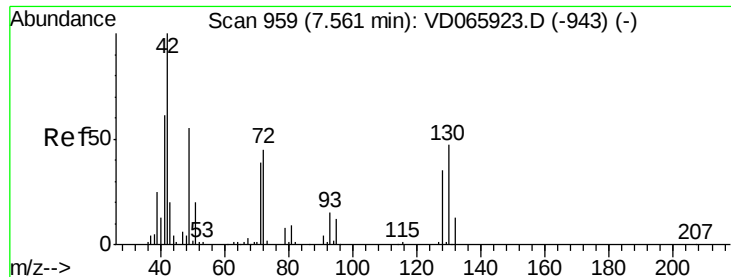
Tot Ion: 43 Resp: 2964
Ion Ratio Lower Upper
43 100
72 15.5 22.1 33.1#



#26
2,2-Dichloropropane
Concen: 1.167 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

Tgt Ion: 77 Resp: 7868
Ion Ratio Lower Upper
77 100
97 3.4 11.6 34.8#

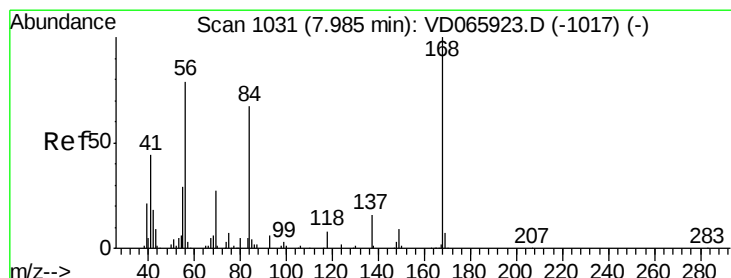
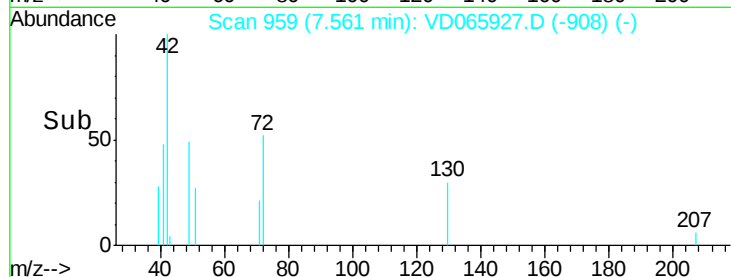
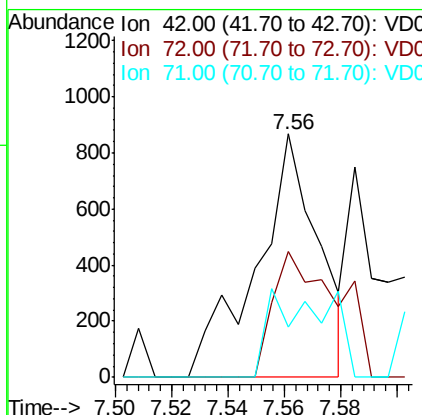
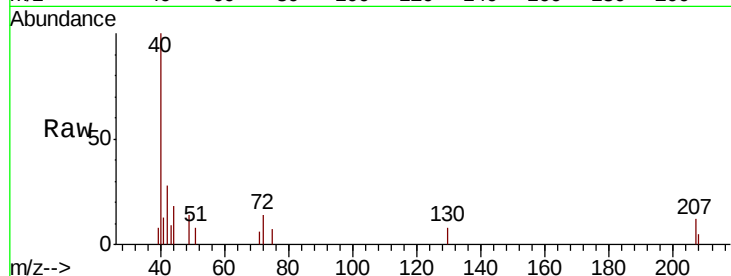




#29
Tetrahydrofuran
Concen: 1.809 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

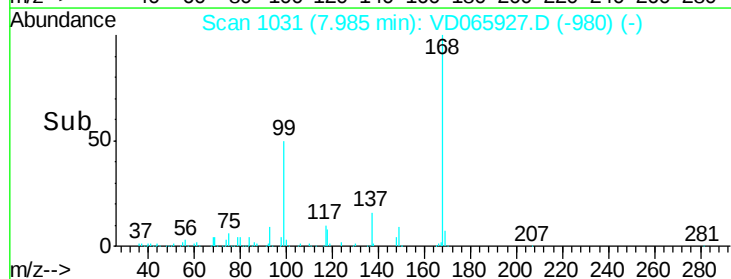
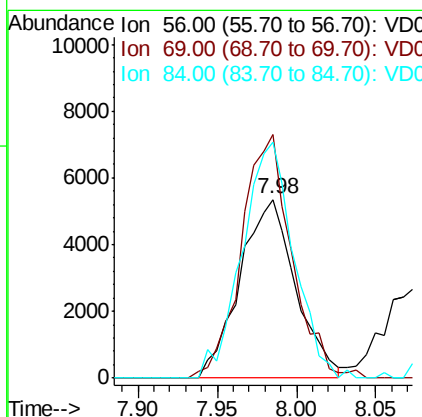
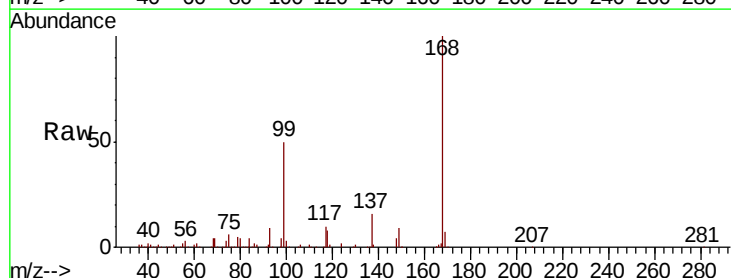
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

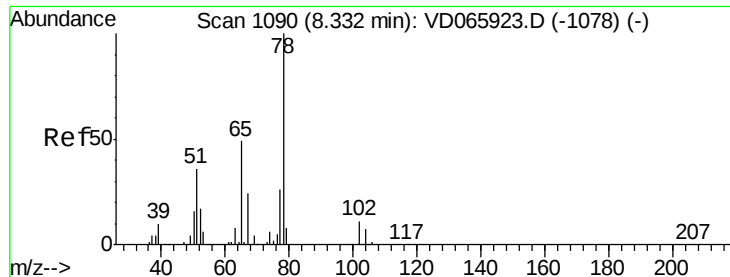
Tot Ion: 42 Resp: 1322
Ion Ratio Lower Upper
42 100
72 53.4 32.8 49.2#
71 33.7 31.0 46.4



#31
Cyclohexane
Concen: 1.728 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

Tgt Ion: 56 Resp: 13100
Ion Ratio Lower Upper
56 100
69 136.5 27.4 41.0#
84 132.0 68.6 102.8#





#33

1,2-Dichloroethane-d4

Concen: 49.895 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065927.D

Acq: 07 Jul 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

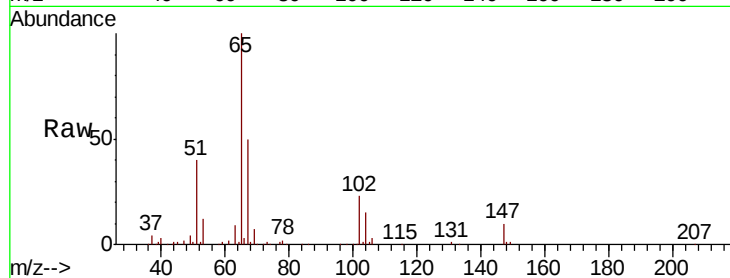
VD0707SBL01

Tot Ion: 65 Resp: 185133

Ion Ratio Lower Upper

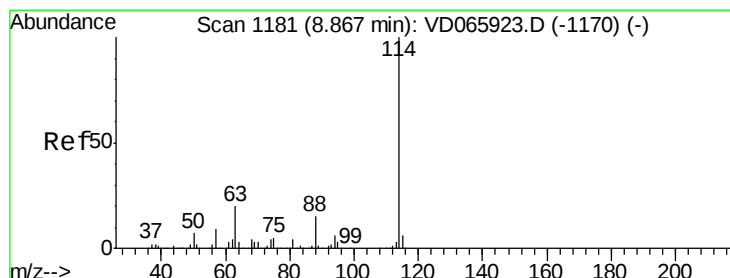
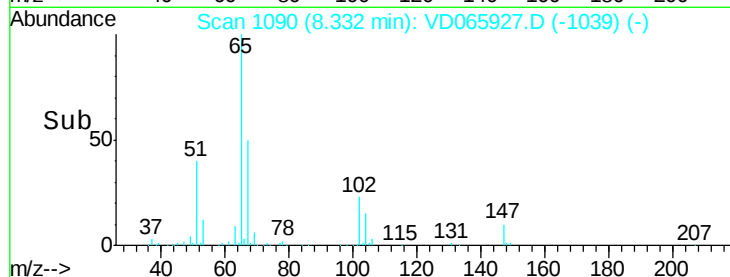
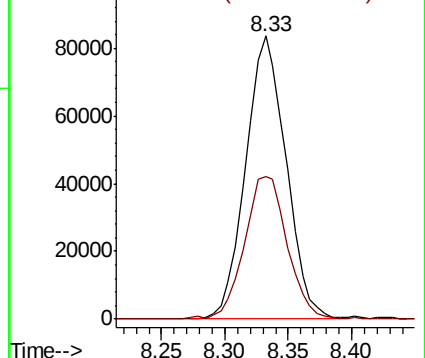
65 100

67 53.6 0.0 105.6



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. -0.01 min

Lab File: VD065927.D

Acq: 07 Jul 2020 17:44

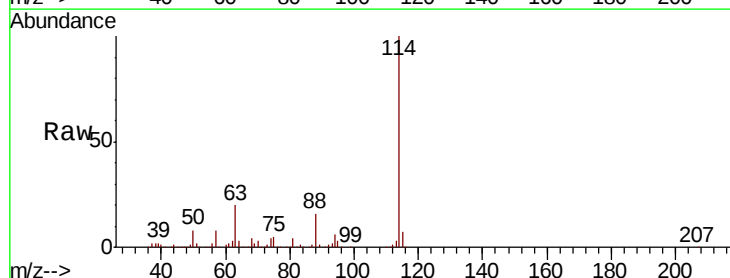
Tgt Ion: 114 Resp: 649438

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

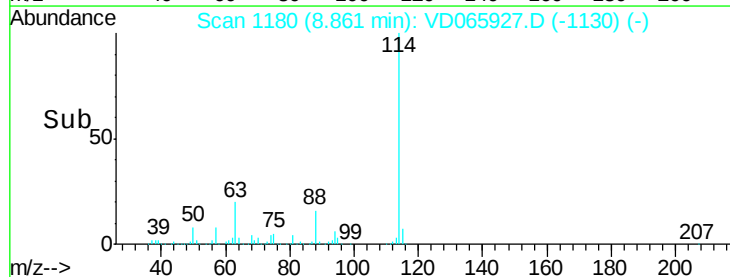
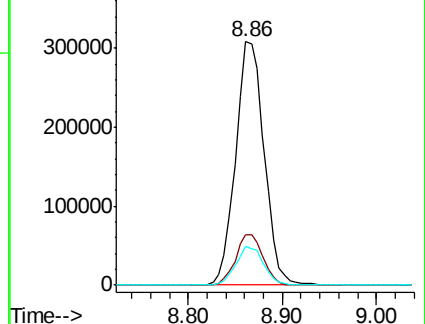
88 16.1 0.0 30.0

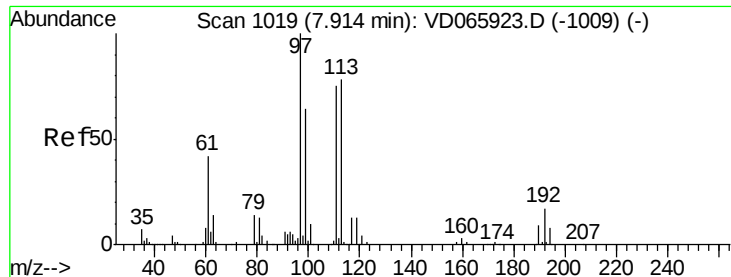


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

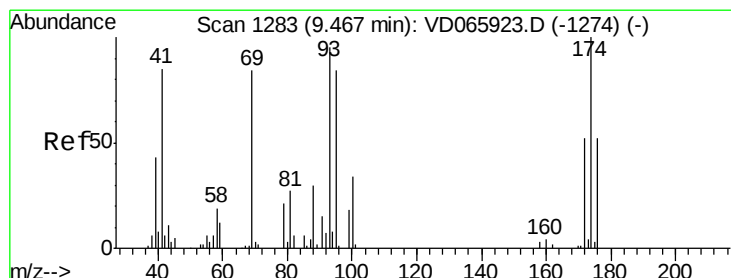
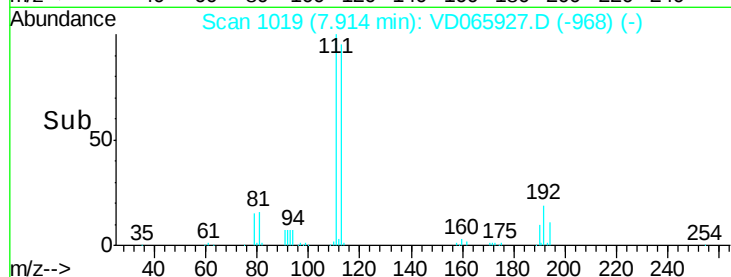
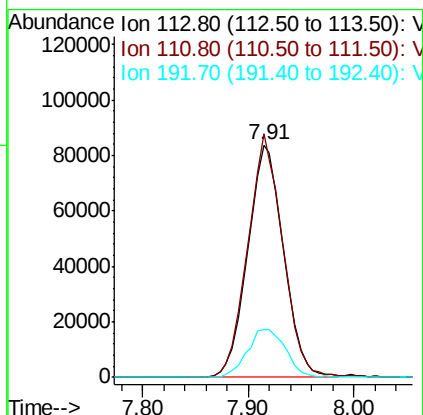
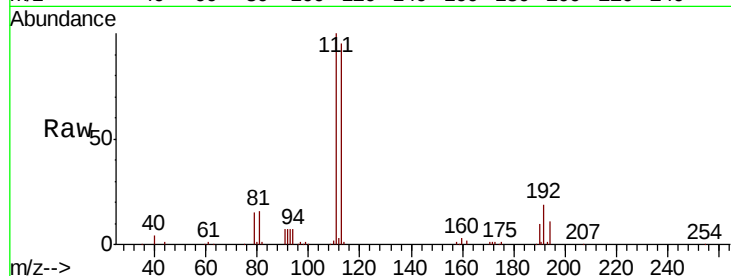




#35
 Dibromofluoromethane
 Concen: 49.259 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

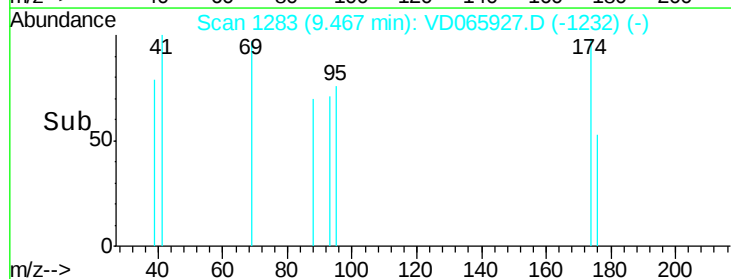
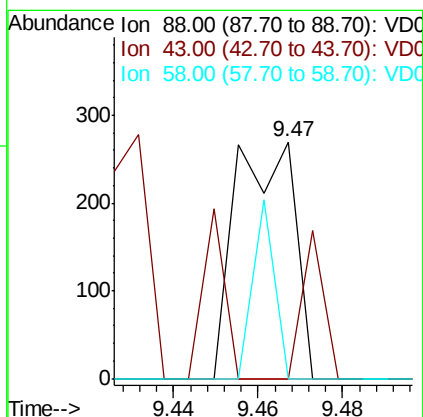
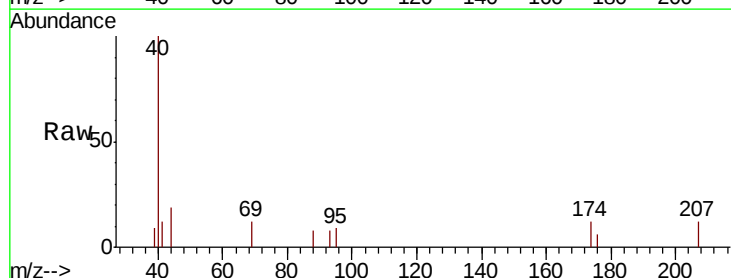
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBL01

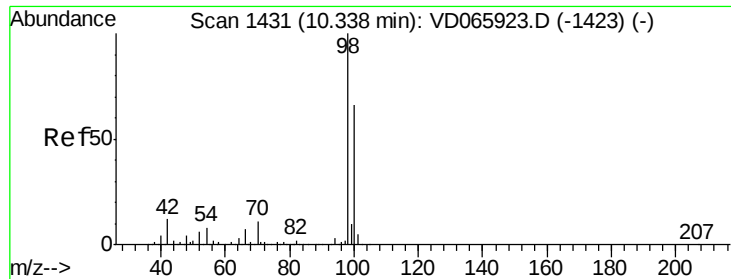
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	22.1	17.1	25.7



#49
 1,4-Dioxane
 Concen: 9.704 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

Tgt Ion	Ratio	Lower	Upper
88	100		
43	22.7	28.2	42.4#
58	27.3	58.6	87.8#





#50

Toluene-d8

Concen: 47.785 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065927.D

Acq: 07 Jul 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

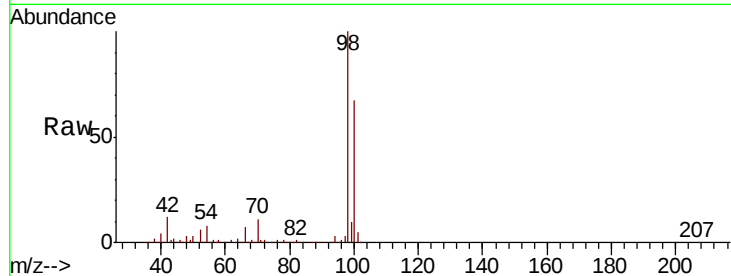
VD0707SBL01

Tot Ion: 98 Resp: 698500

Ion Ratio Lower Upper

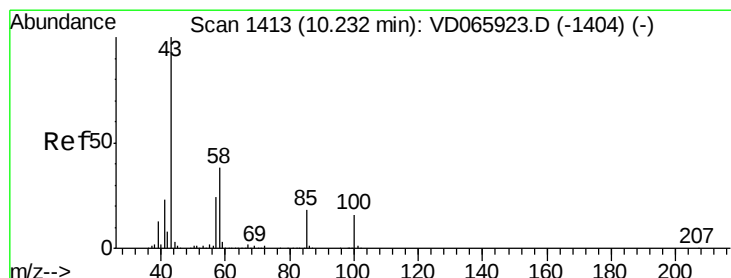
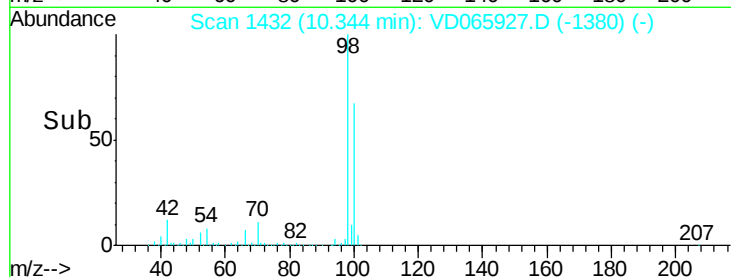
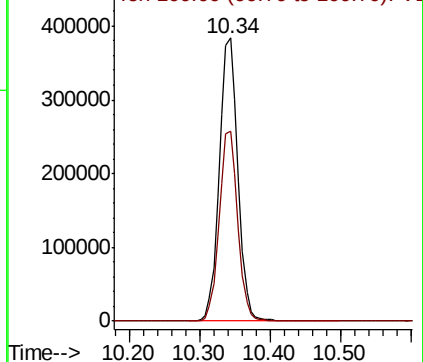
98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.546 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065927.D

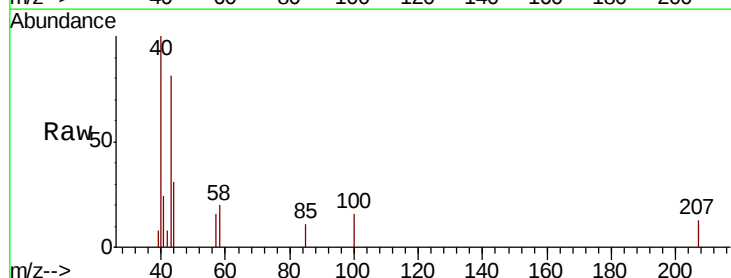
Acq: 07 Jul 2020 17:44

Tgt Ion: 43 Resp: 3910

Ion Ratio Lower Upper

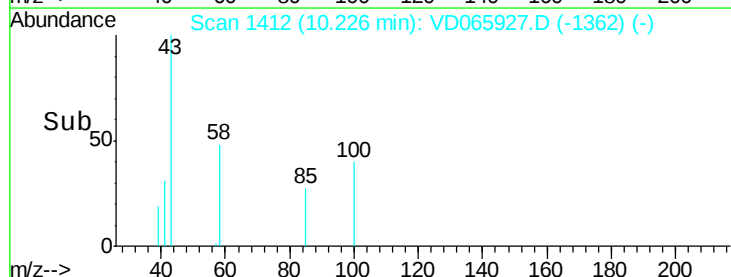
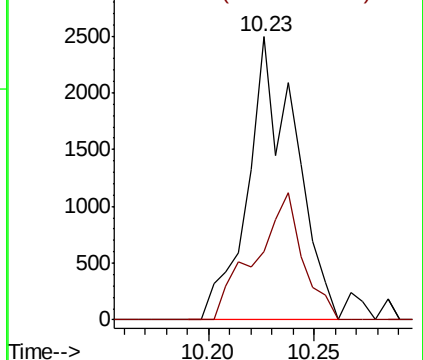
43 100

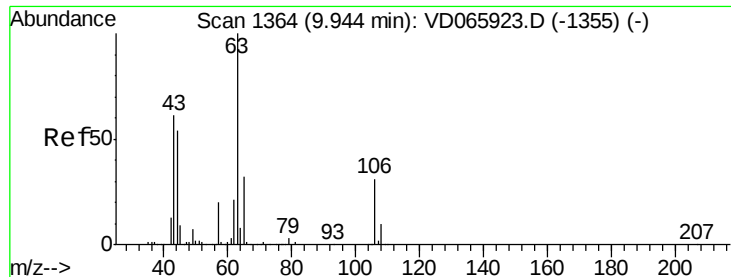
58 44.7 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

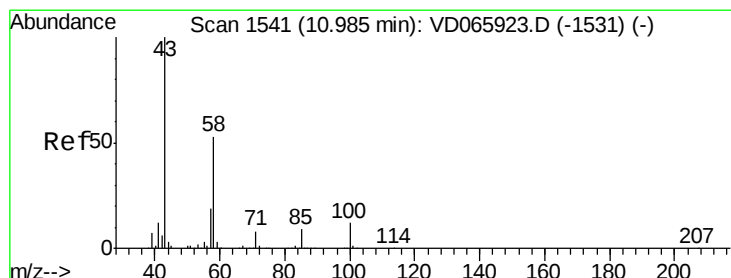
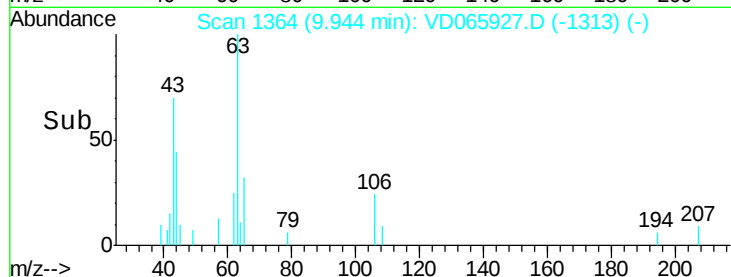
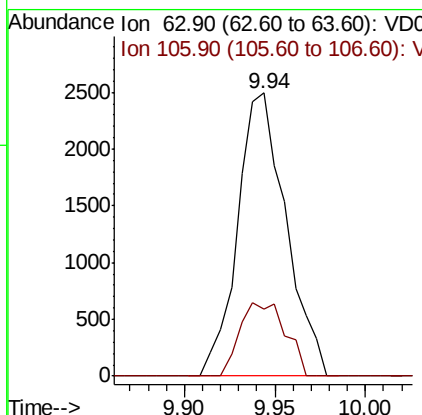
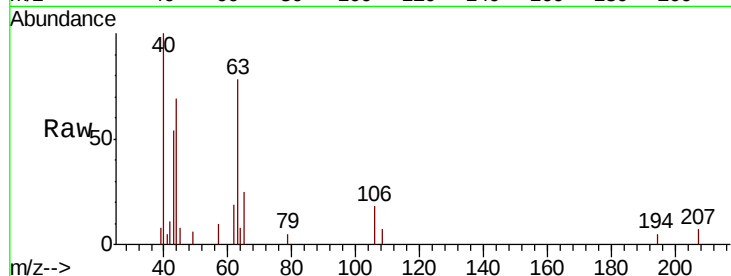




#58
2-Chloroethyl Vinyl ether
Concen: 2.482 ug/l
RT: 9.94 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

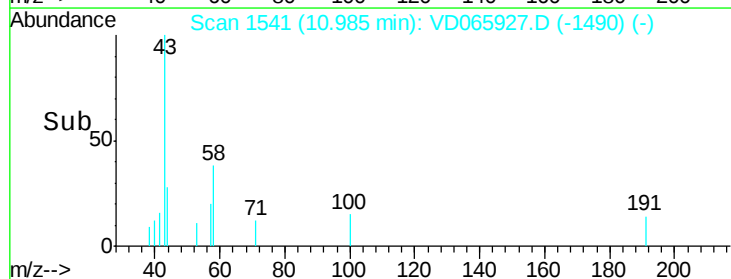
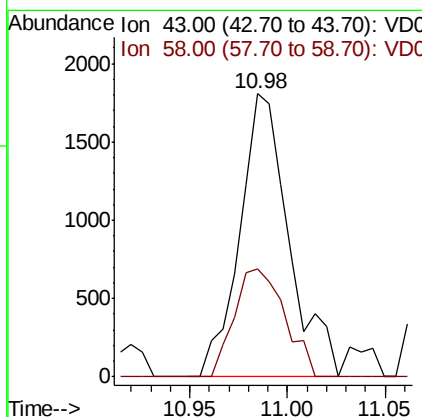
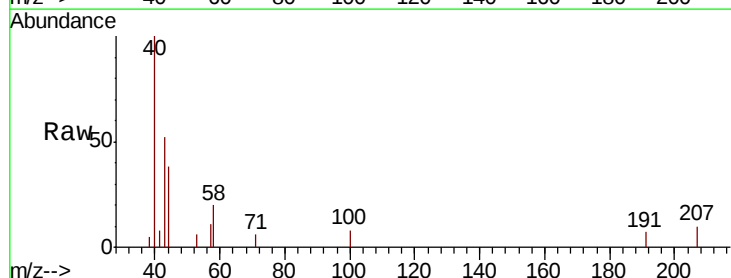
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

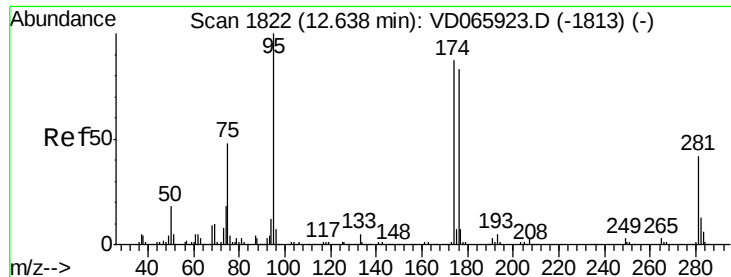
Tot Ion: 63 Resp: 4632
Ion Ratio Lower Upper
63 100
106 24.5 23.8 35.6



#59
2-Hexanone
Concen: 1.817 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

Tgt Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
58 39.0 26.6 79.8

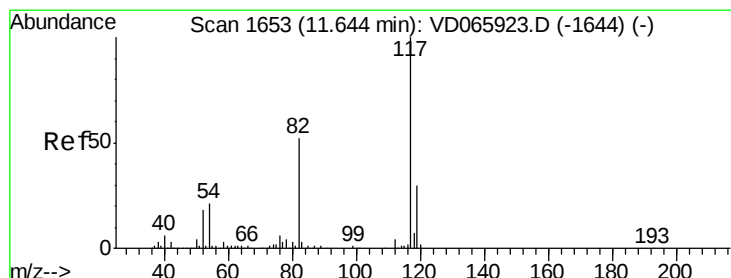
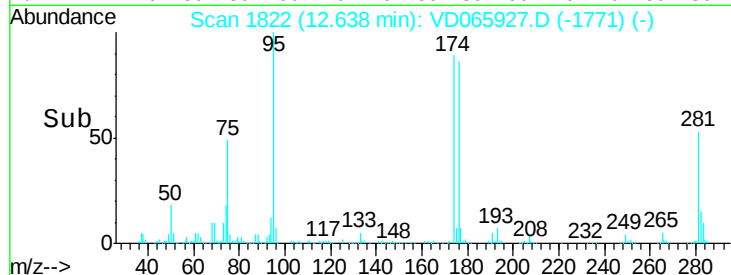
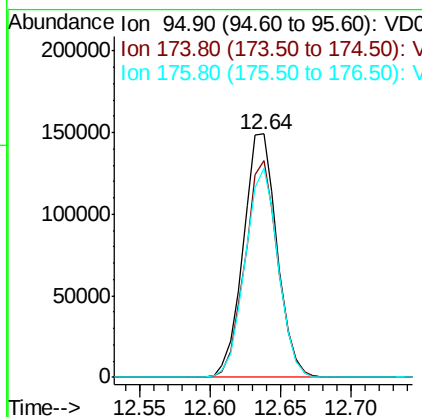
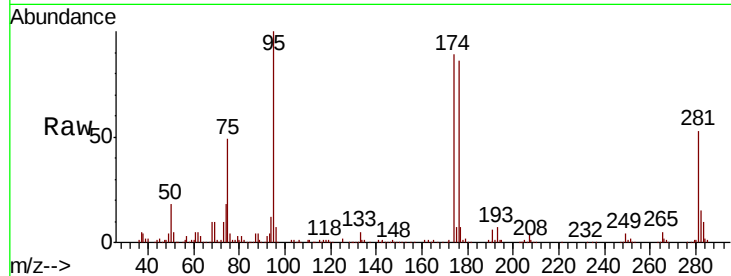




#62
4-Bromofluorobenzene
Concen: 49.852 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

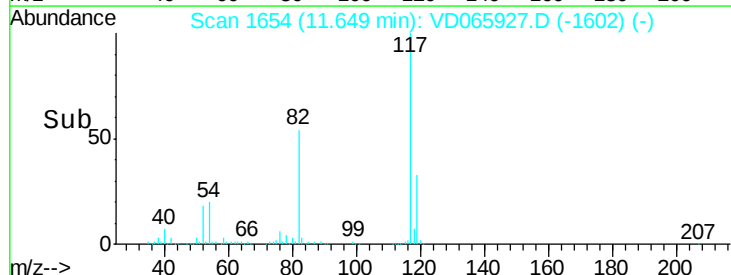
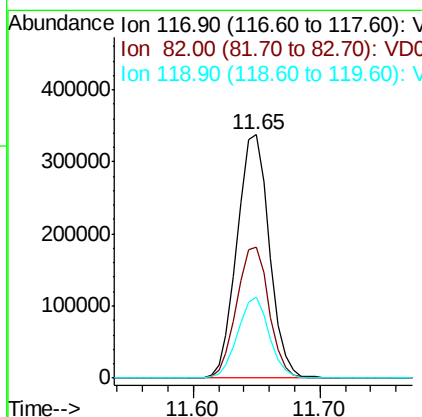
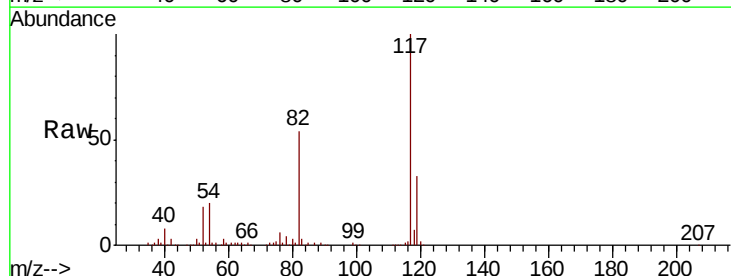
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

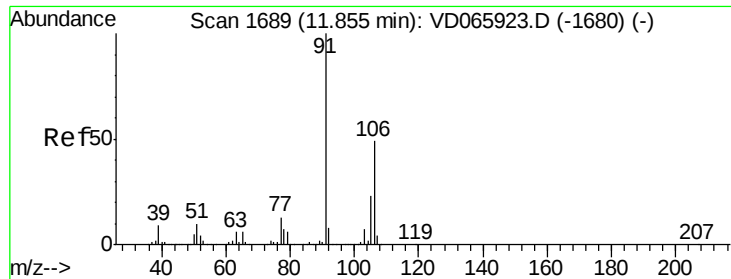
Tot Ion: 95 Resp: 250246
Ion Ratio Lower Upper
95 100
174 86.6 0.0 169.4
176 84.0 0.0 164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

Tgt Ion: 117 Resp: 599129
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.8
119 33.1 24.3 36.5

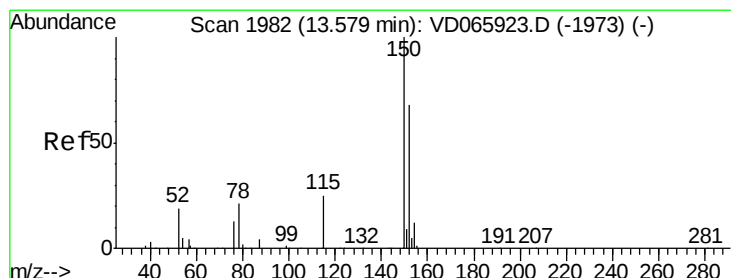
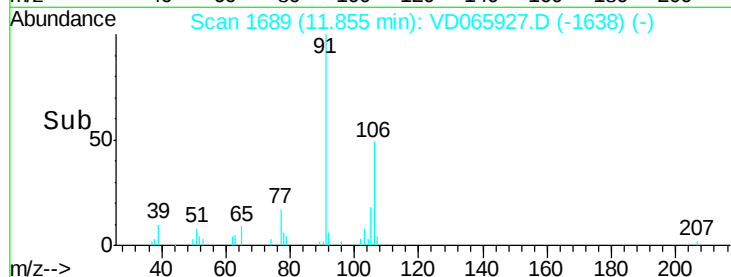
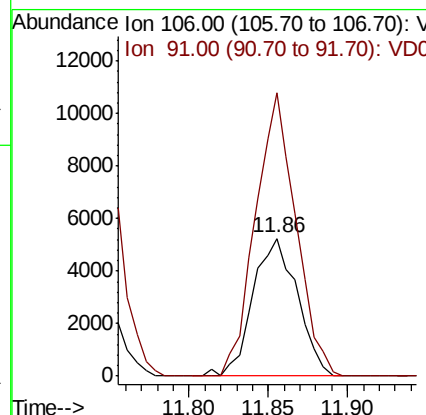
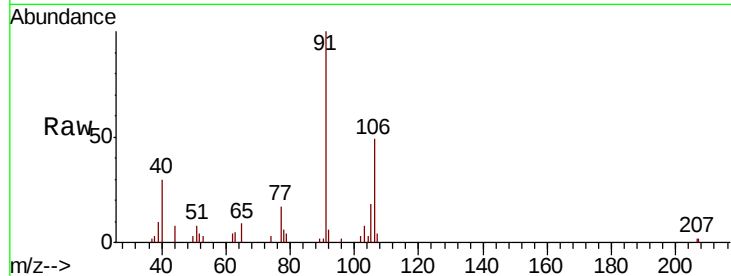




#68
m/p-Xvlenes
Concen: 1.254 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

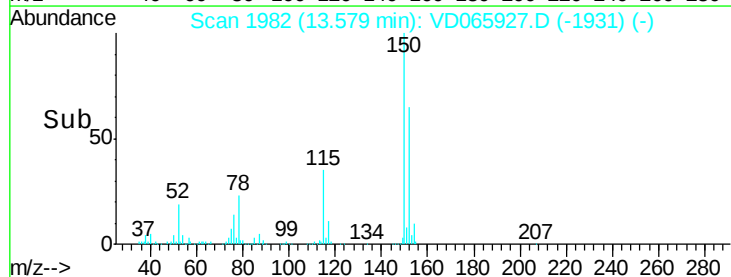
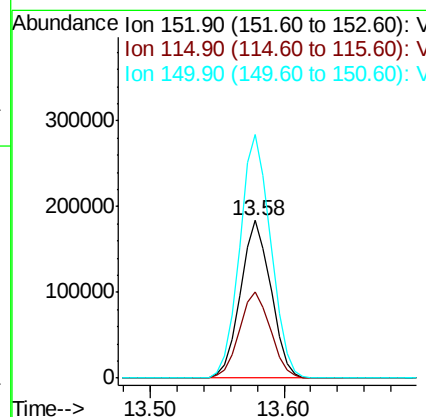
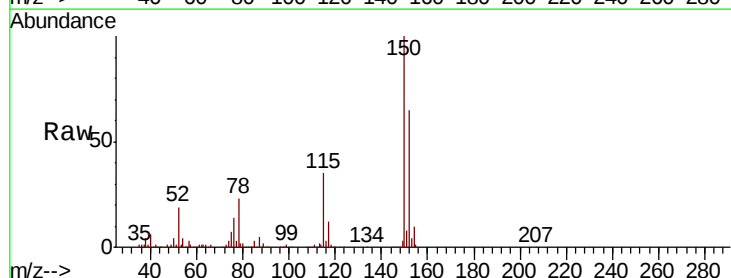
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

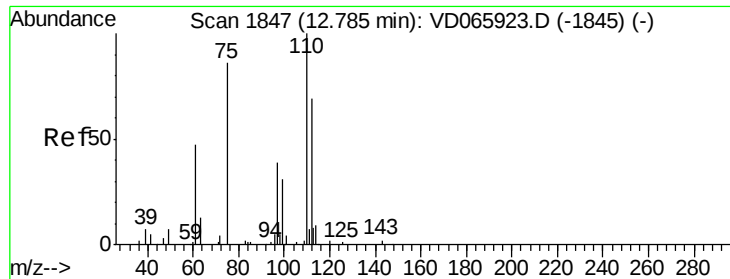
Tot Ion:106 Resp: 10216
Ion Ratio Lower Upper
106 100
91 187.3 158.2 237.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

Tgt Ion:152 Resp: 290056
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.3
150 157.5 0.0 347.2

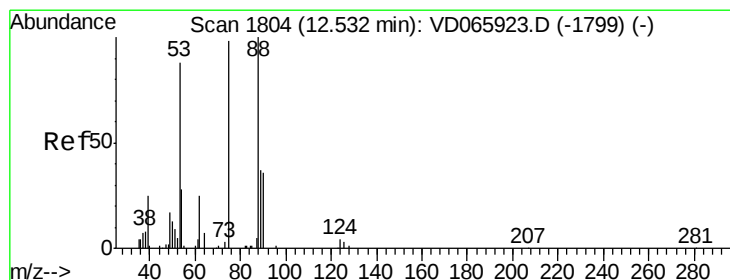
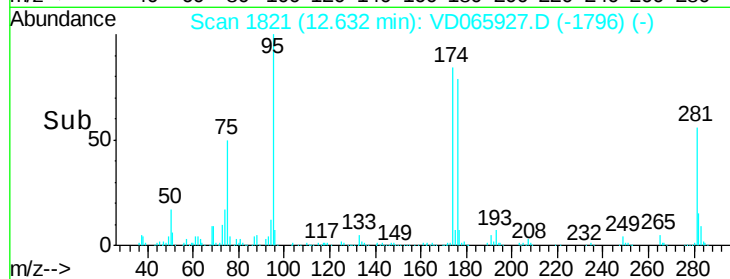
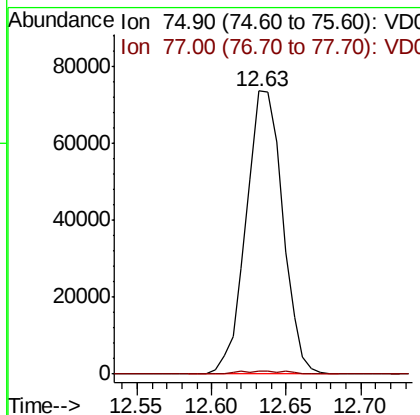
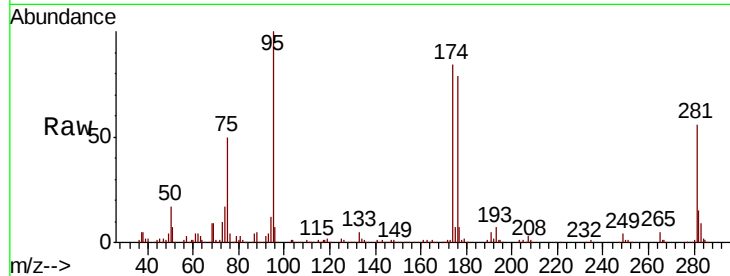




#76
 1,2,3-Trichloropropane
 Concen: 51.418 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

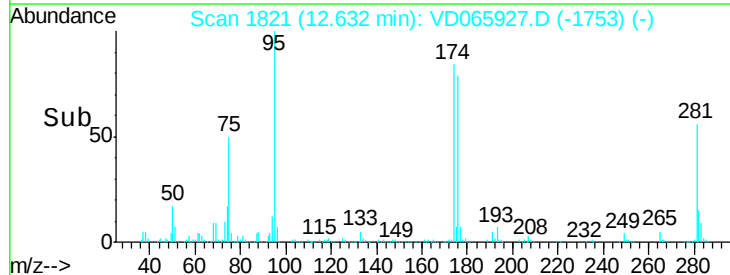
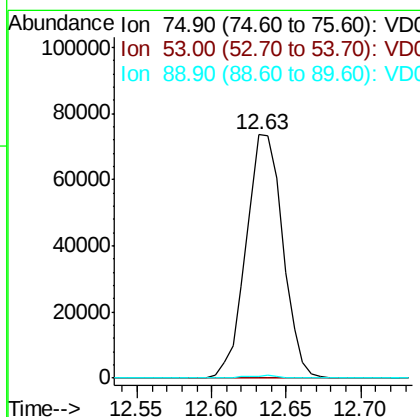
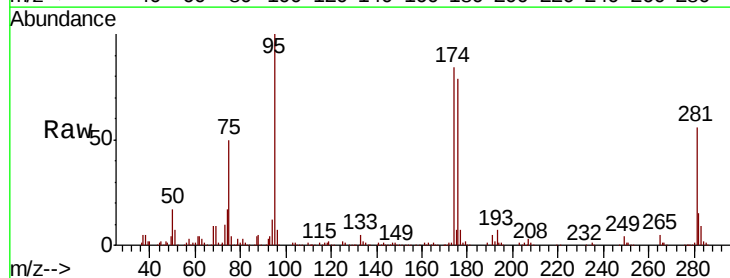
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBL01

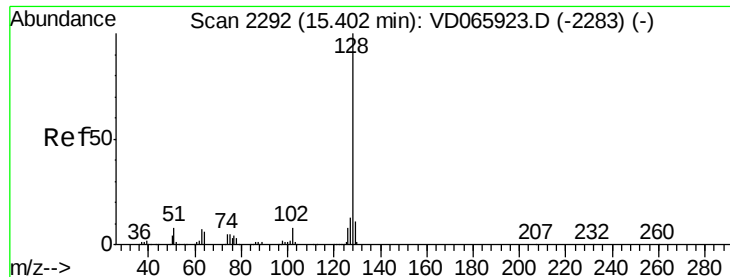
Tot Ion: 75 Resp: 125110
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.483 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD065927.D
 Acq: 07 Jul 2020 17:44

Tgt Ion: 75 Resp: 125110
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.9 37.5 56.3#

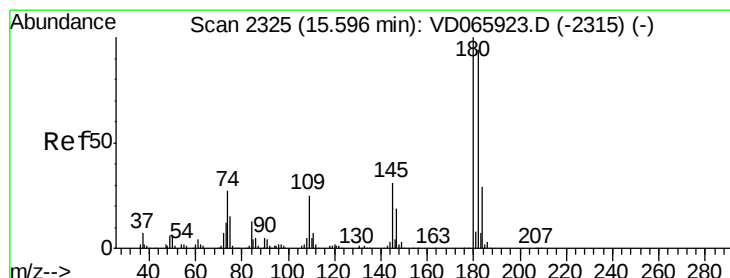
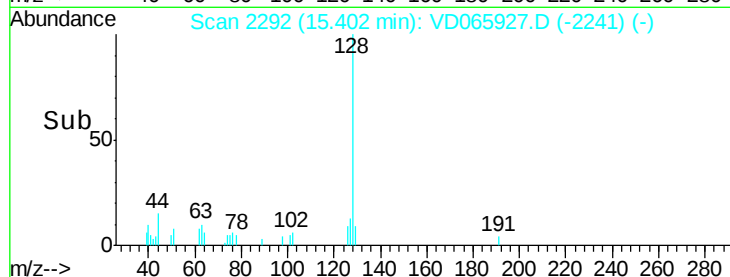
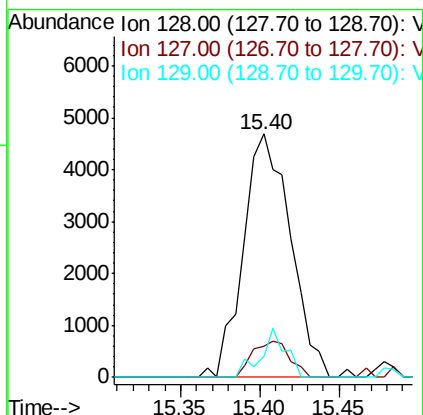
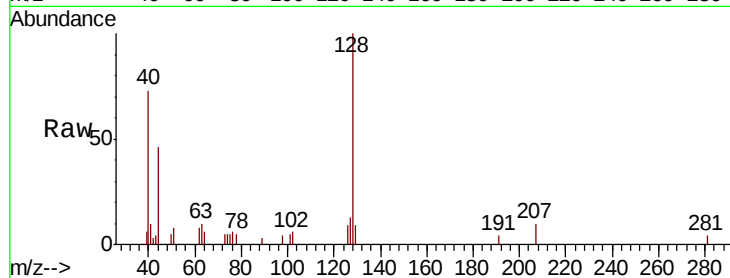




#95
Naphthalene
Concen: 1.007 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBL01

Tot Ion:128 Resp: 9664
Ion Ratio Lower Upper
128 100
127 11.8 10.8 16.2
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 1.036 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD065927.D
Acq: 07 Jul 2020 17:44

Tgt Ion:180 Resp: 5115
Ion Ratio Lower Upper
180 100
182 88.5 47.6 142.8
145 28.0 16.1 48.2

