

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071745.D
 Acq On : 19 Jan 2022 15:42
 Operator : VA/SY
 Sample : N1195-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 20 04:59:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

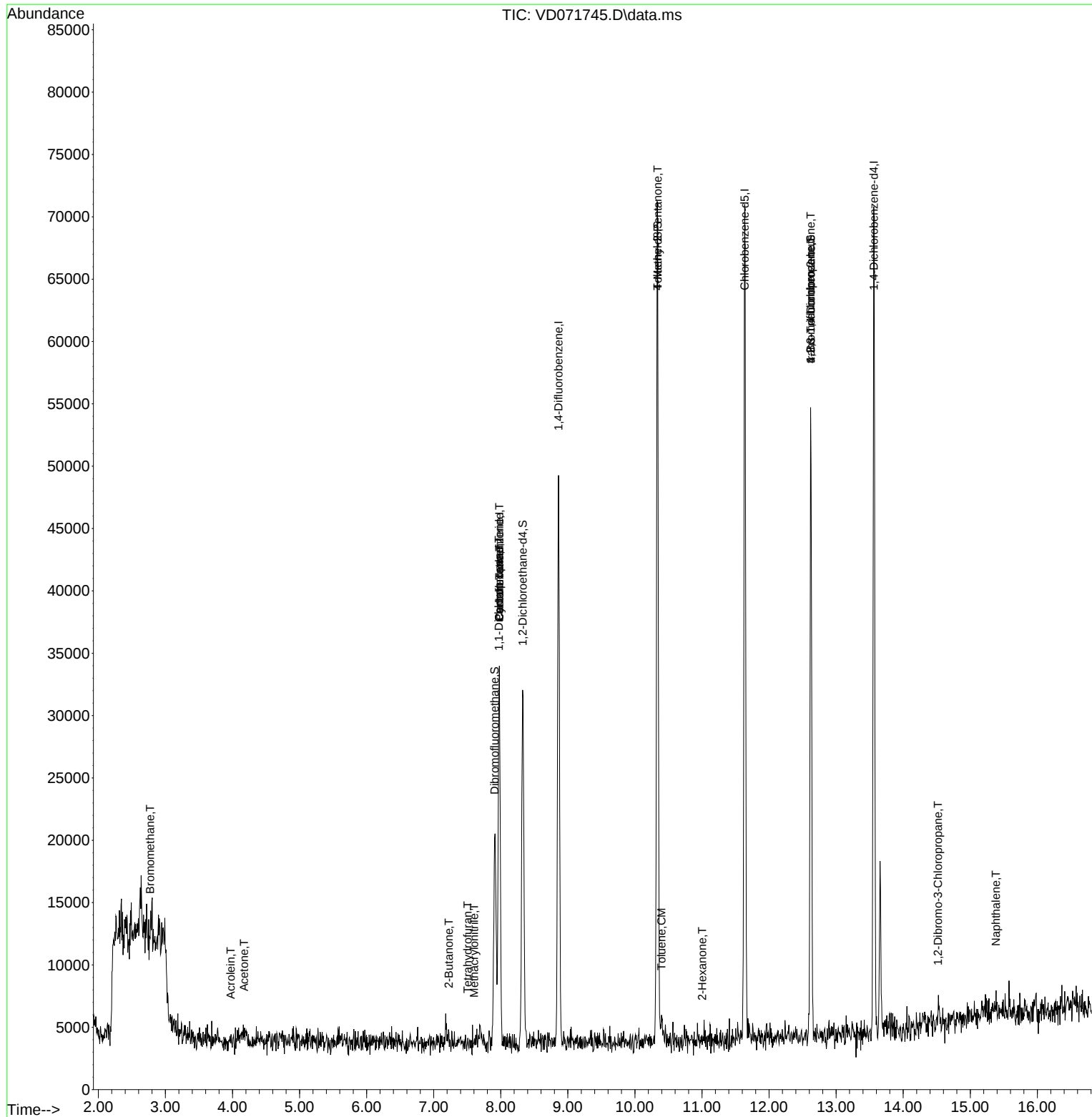
Internal Standards						
1) Pentafluorobenzene	7.979	168	18823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	34458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	35971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	15369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	23130	95.500	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 191.000%#	
35) Dibromofluoromethane	7.908	113	12608	55.365	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.740%	
50) Toluene-d8	10.337	98	43108	50.570	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.620	95	15640	52.067	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	834	4.704	ug/l #	61
13) Acrolein	3.973	56	65	2.750	ug/l #	14
16) Acetone	4.173	43	1440	25.752	ug/l #	49
18) Methyl Acetate	4.667	43	57	Below Cal	#	56
20) Methylene Chloride	4.967	84	118	Below Cal	#	8
25) 2-Butanone	7.226	43	174	2.634	ug/l #	56
29) Tetrahydrofuran	7.508	42	67	1.763	ug/l #	39
31) Cyclohexane	7.979	56	1030	3.373	ug/l #	52
36) 1,1-Dichloropropene	7.973	75	1815	5.587	ug/l #	50
38) Carbon Tetrachloride	7.979	117	2053	6.241	ug/l #	14
41) Methacrylonitrile	7.602	41	63	1.793	ug/l #	25
51) 4-Methyl-2-Pentanone	10.337	43	463	3.089	ug/l	95
52) Toluene	10.396	92	666	1.182	ug/l	82
59) 2-Hexanone	11.002	43	216	2.063	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	8498	57.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	8498	159.530	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.520	75	91	2.893	ug/l #	9
95) Naphthalene	15.384	128	714	1.658	ug/l #	68

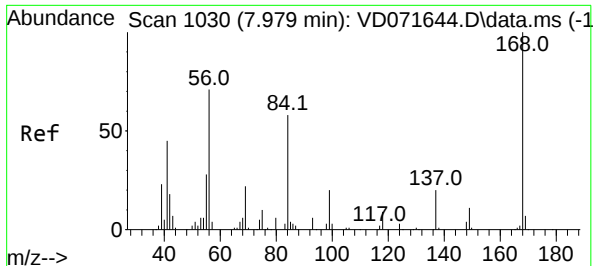
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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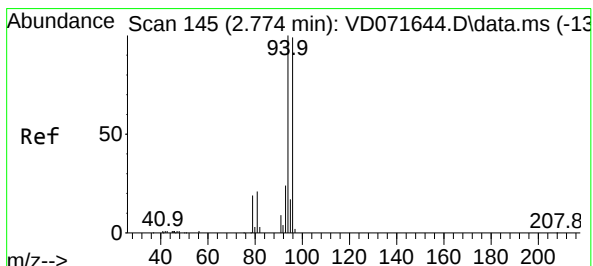
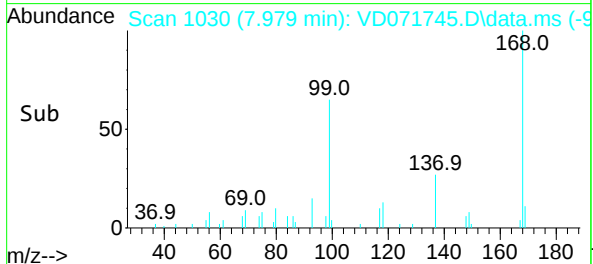
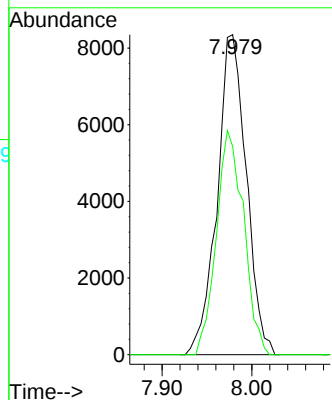
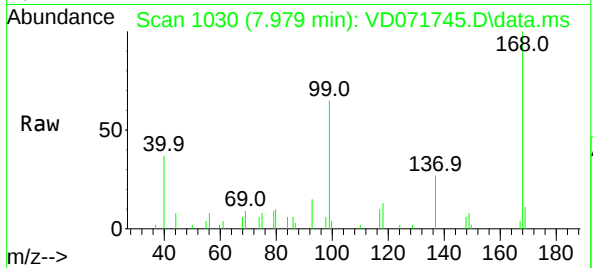




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

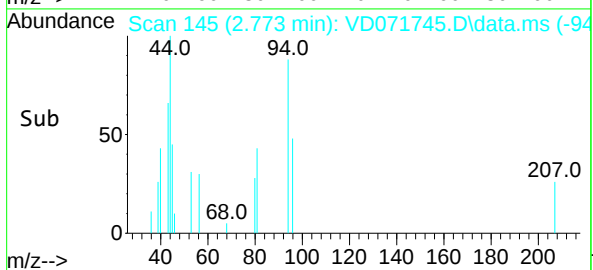
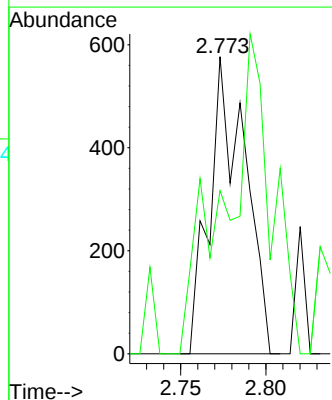
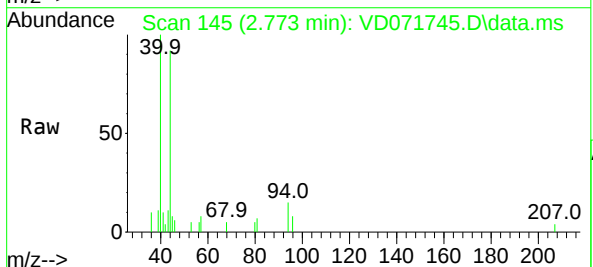
Instrument :
MSVOA_D
ClientSampleId :

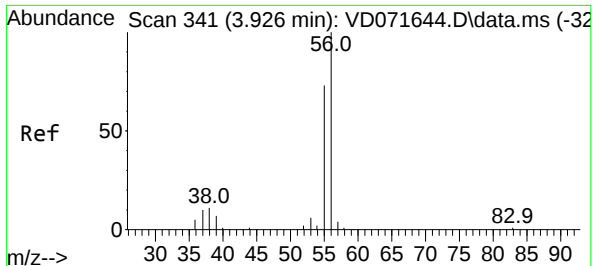
Tgt Ion:168 Resp: 18823
Ion Ratio Lower Upper
168 100
99 65.0 51.8 77.6



#5
Bromomethane
Concen: 4.704 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.000 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

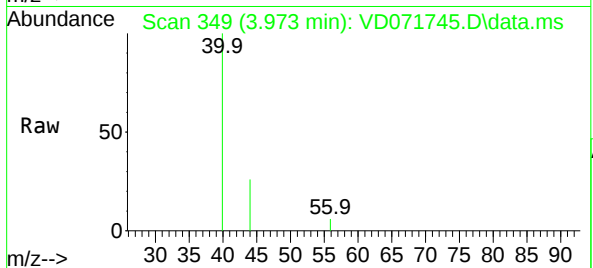
Tgt Ion: 94 Resp: 834
Ion Ratio Lower Upper
94 100
96 54.9 73.7 110.5#



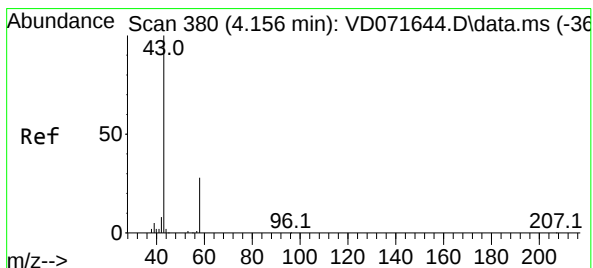
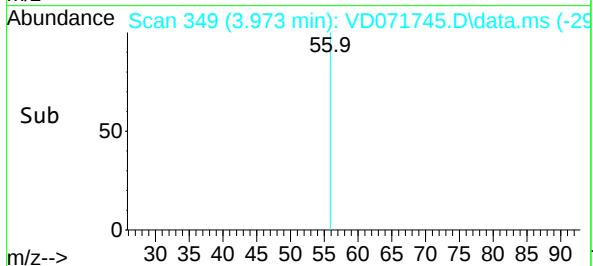
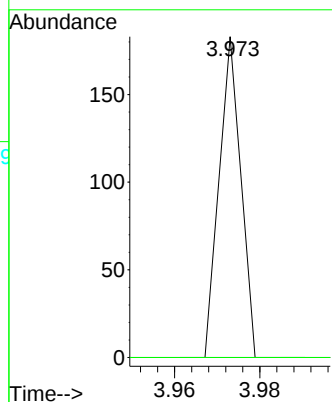


#13
Acrolein
Concen: 2.750 ug/l
RT: 3.973 min Scan# 341
Delta R.T. 0.047 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

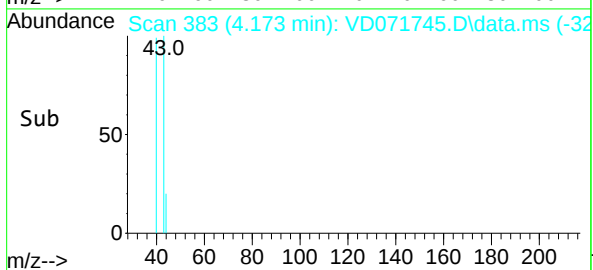
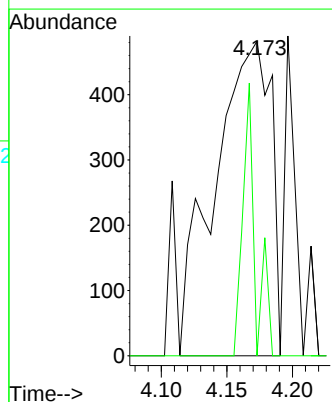
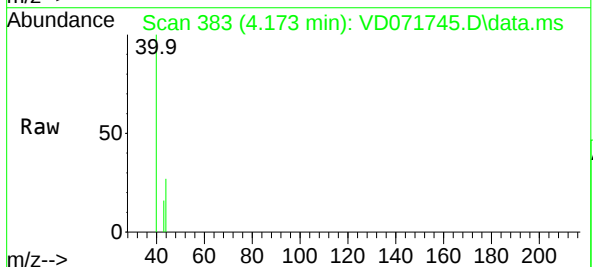


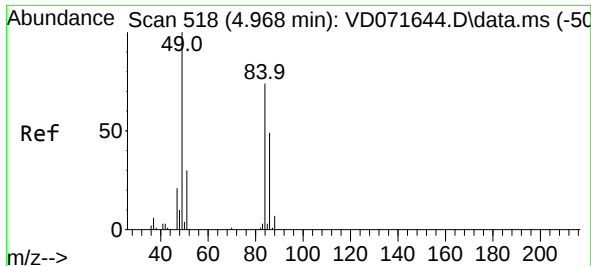
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 25.752 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

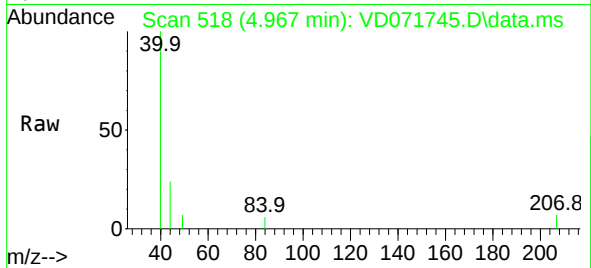
Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#



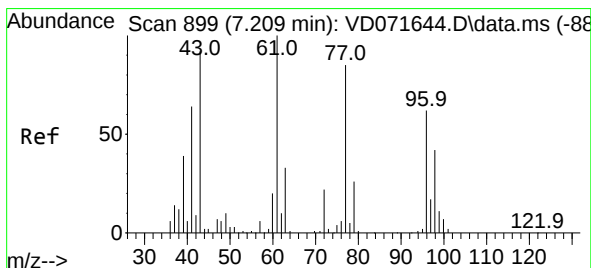
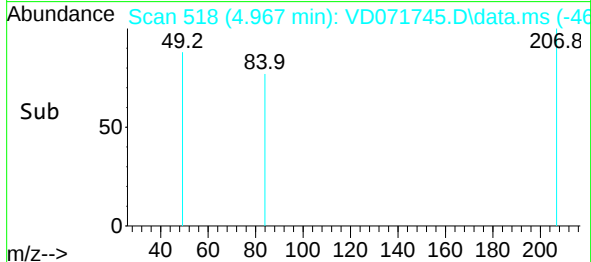
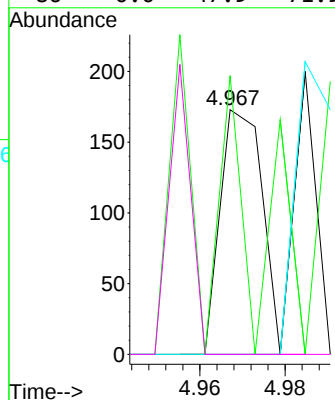


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

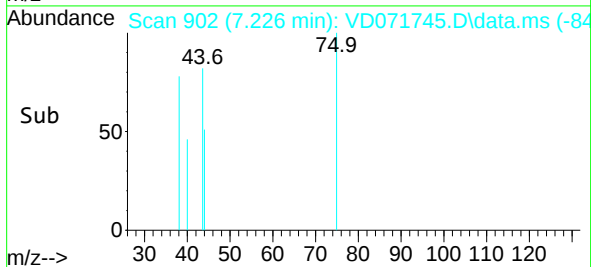
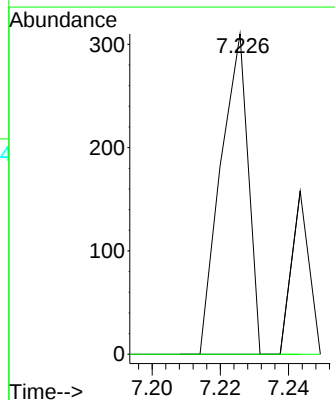
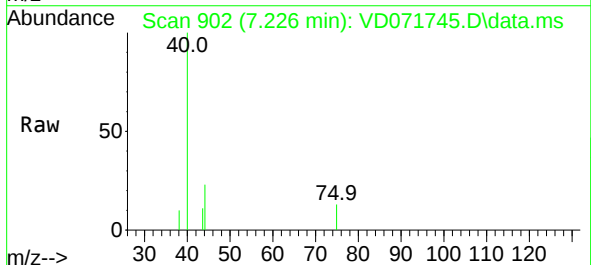


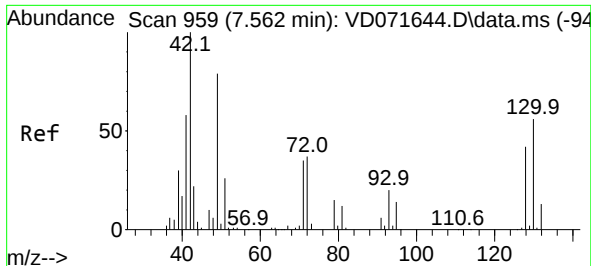
Tgt Ion:	84	Resp:	118
Ion	Ratio	Lower	Upper
84	100		
49	17.9	118.6	178.0#
51	0.0	37.8	56.6#
86	0.0	47.9	71.9#



#25
2-Butanone
Concen: 2.634 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.018 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Tgt Ion:	43	Resp:	174
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.4	24.6#





#29

Tetrahydrofuran

Concen: 1.763 ug/l

RT: 7.508 min Scan# 91

Delta R.T. -0.053 min

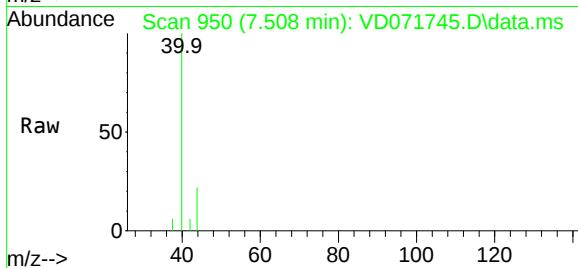
Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

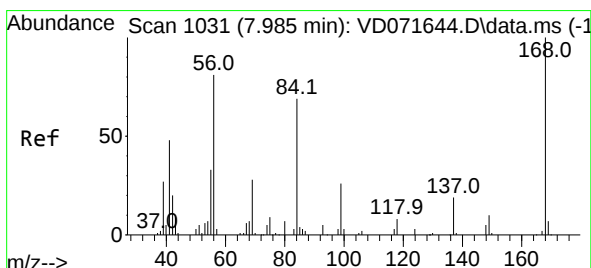
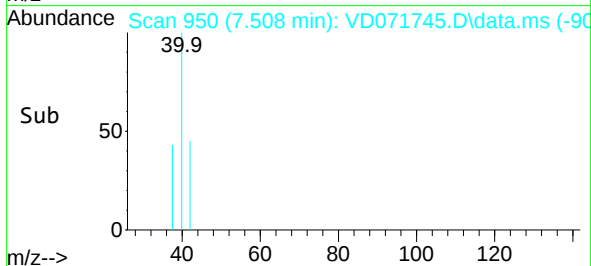
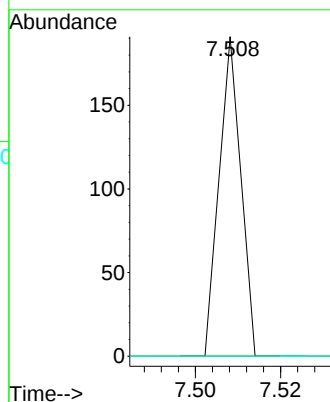
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 67
Ion Ratio	Lower Upper
42	100
72	0.0 29.6 44.4#
71	0.0 27.3 40.9#



#31

Cyclohexane

Concen: 3.373 ug/l

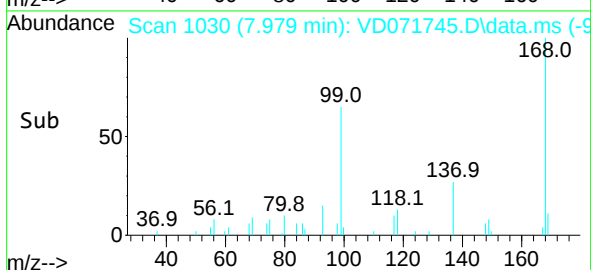
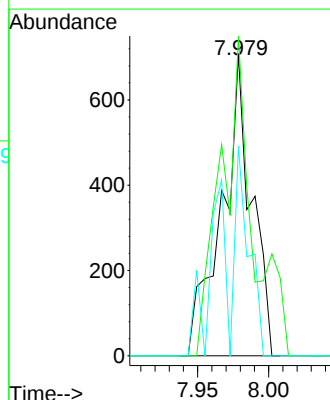
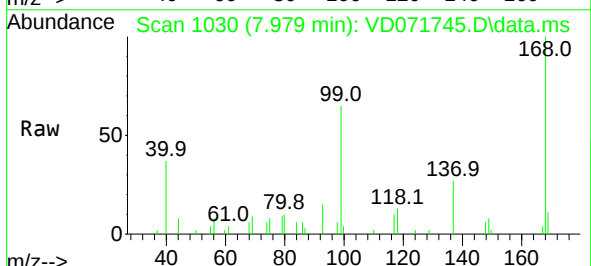
RT: 7.979 min Scan# 1030

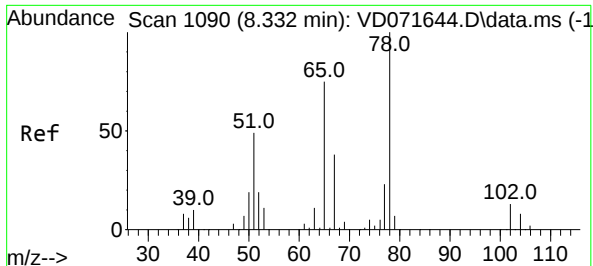
Delta R.T. -0.011 min

Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

Tgt Ion: 56	Resp: 1030
Ion Ratio	Lower Upper
56	100
69	106.1 21.7 32.5#
84	69.4 65.7 98.5





#33

1,2-Dichloroethane-d4

Concen: 95.500 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

Instrument :

MSVOA_D

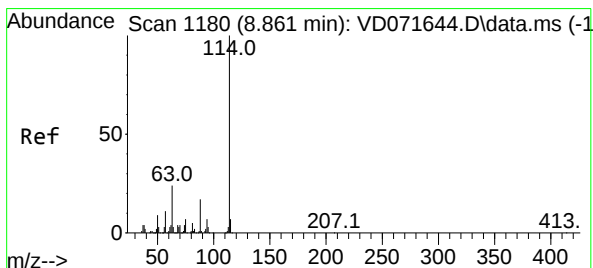
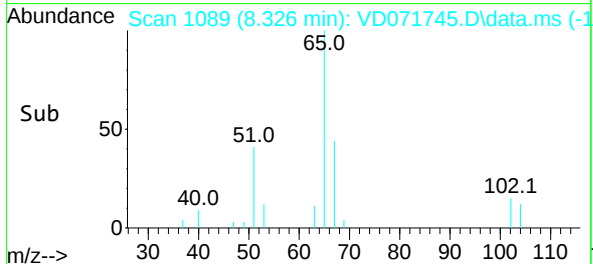
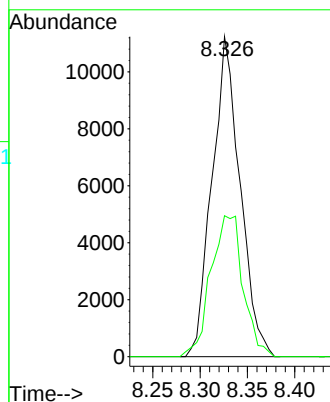
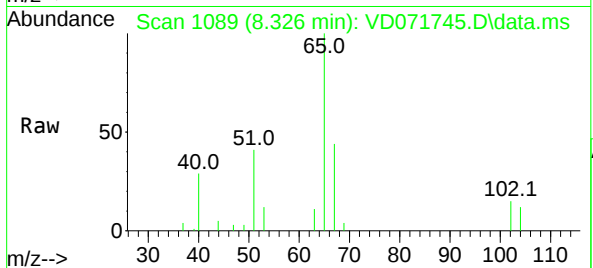
ClientSampleId :

Tgt Ion: 65 Resp: 23130

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

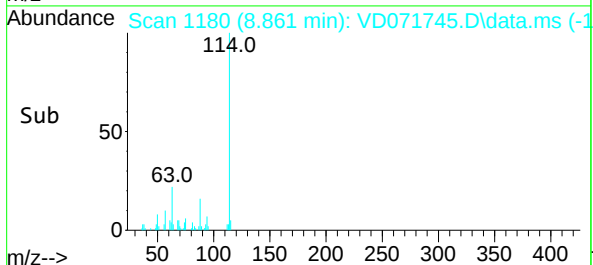
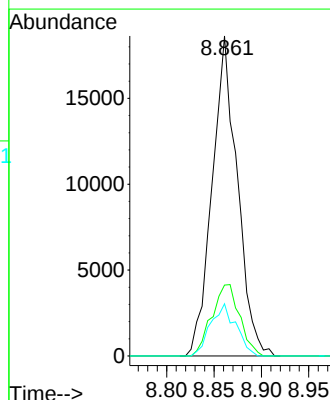
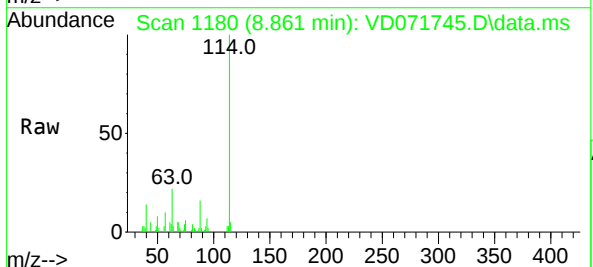
Tgt Ion: 114 Resp: 34458

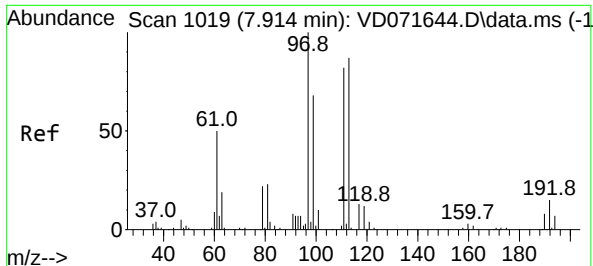
Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.2

88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.365 ug/l

RT: 7.908 min Scan# 1019

Delta R.T. -0.006 min

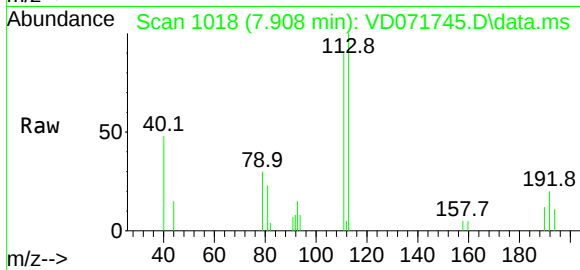
Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

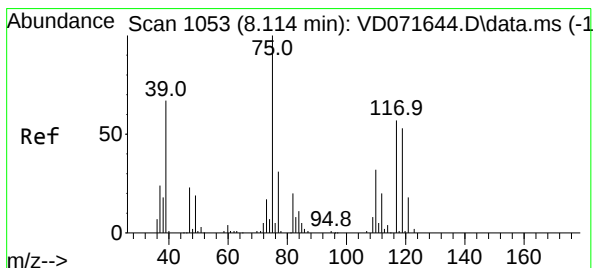
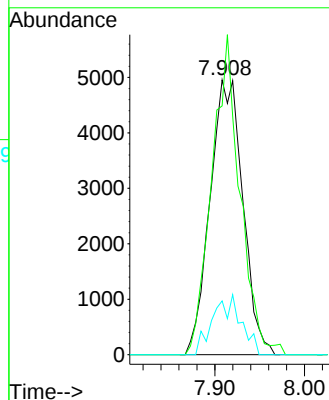
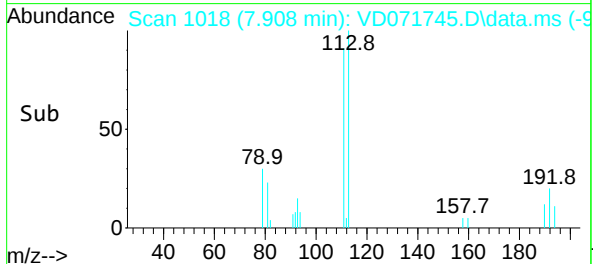
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	12608
Ion	Ratio	Lower	Upper
113	100		
111	99.8	82.2	123.4
192	18.5	14.2	21.2



#36

1,1-Dichloropropene

Concen: 5.587 ug/l

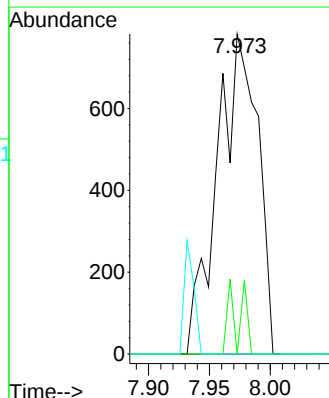
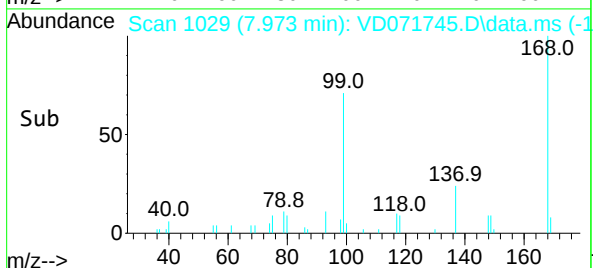
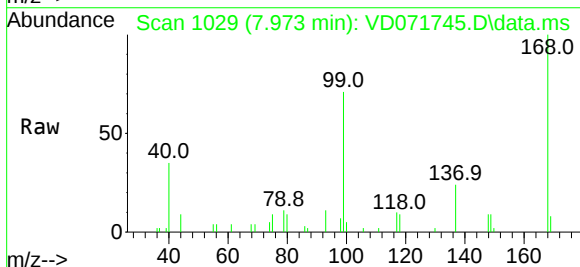
RT: 7.973 min Scan# 1029

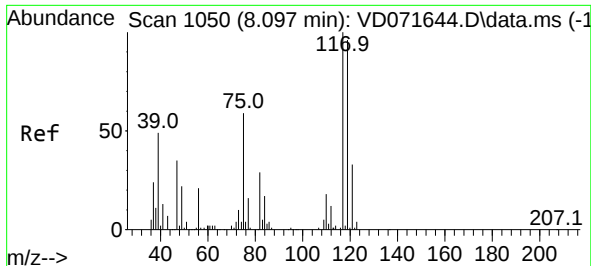
Delta R.T. -0.141 min

Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

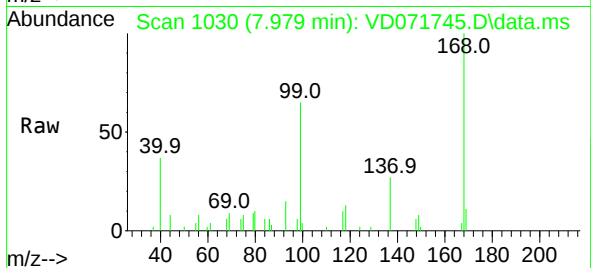
Tgt Ion:	75	Resp:	1815
Ion	Ratio	Lower	Upper
75	100		
110	7.1	16.0	48.0#
77	0.0	24.5	36.7#



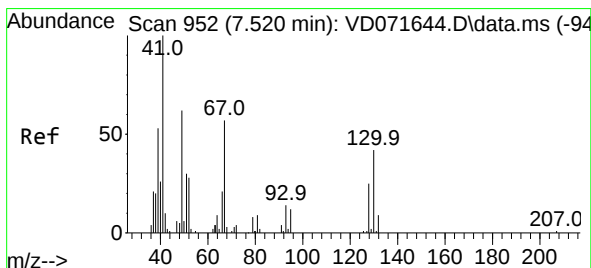
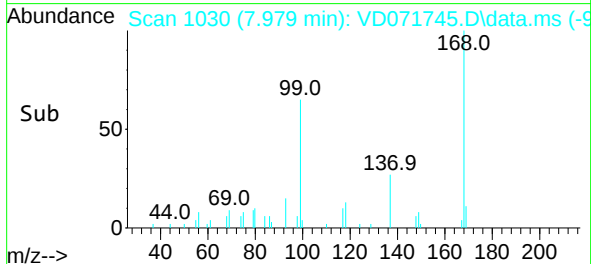
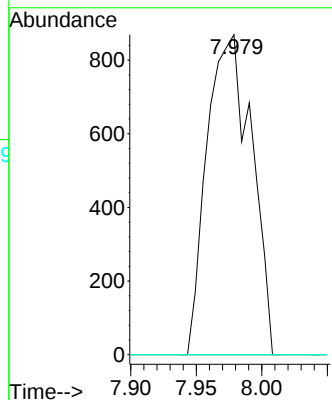


#38
Carbon Tetrachloride
Concen: 6.241 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.117 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

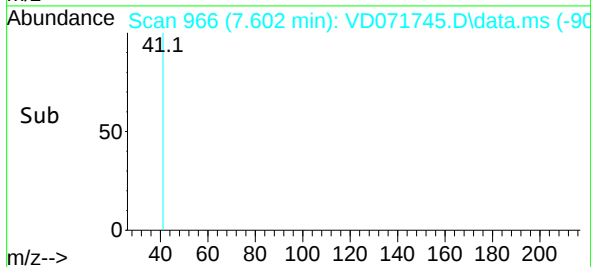
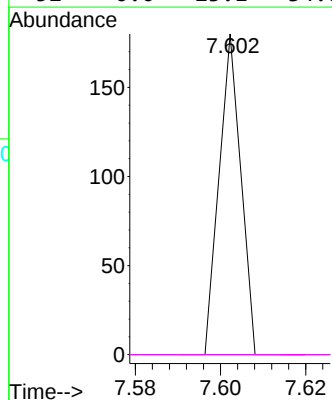
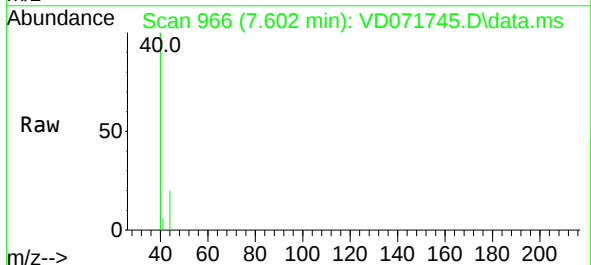


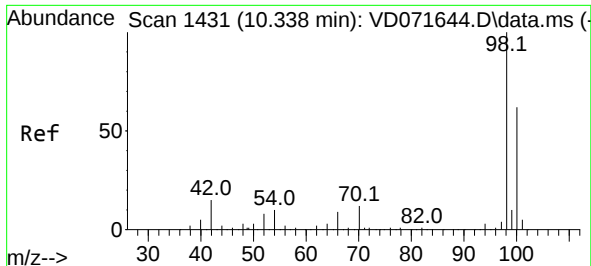
Tgt Ion: 117 Resp: 2053
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.793 ug/l
RT: 7.602 min Scan# 966
Delta R.T. 0.082 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#

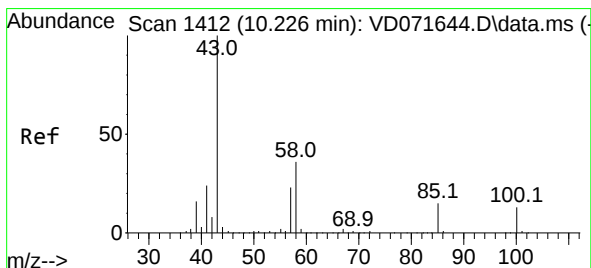
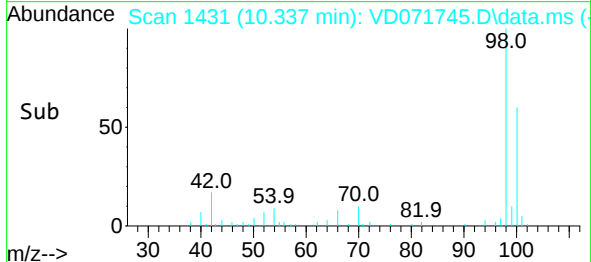
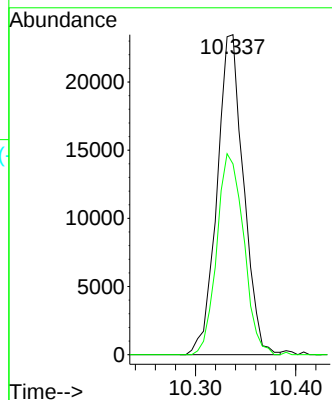
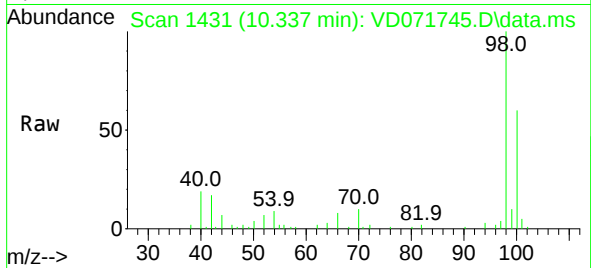




#50
Toluene-d8
Concen: 50.570 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

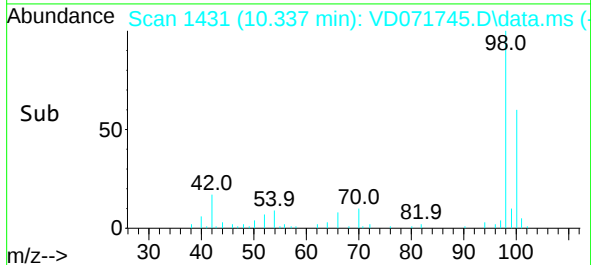
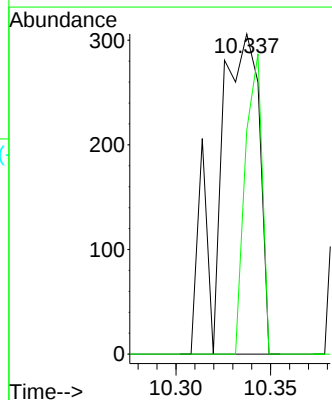
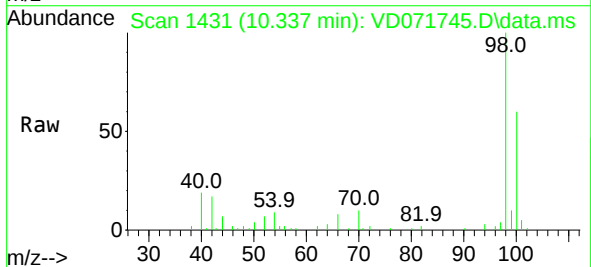
Instrument :
MSVOA_D
ClientSampleId :

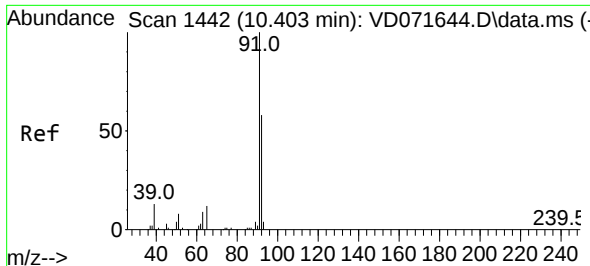
Tgt Ion: 98 Resp: 43108
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.089 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.111 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
58 38.2 28.2 42.2

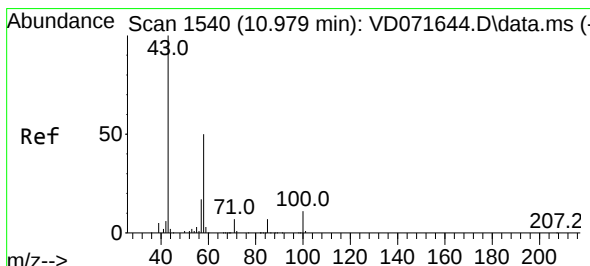
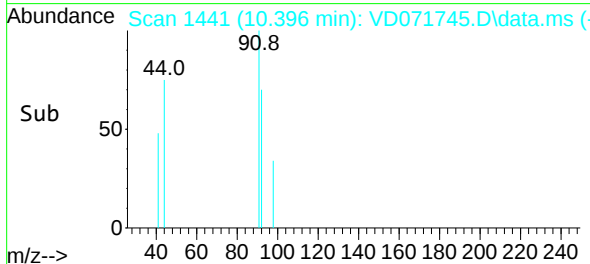
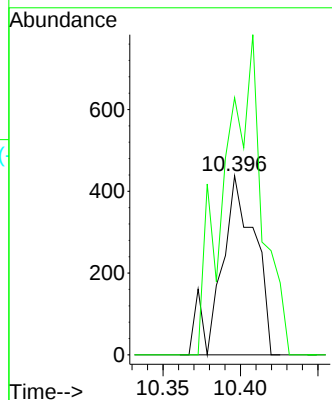
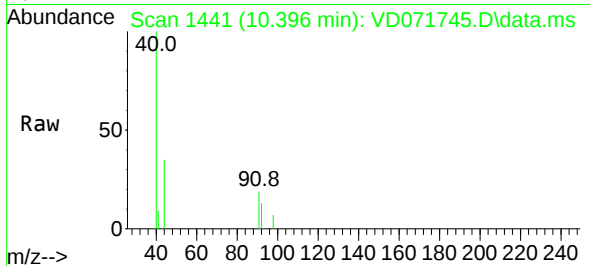




#52
Toluene
Concen: 1.182 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

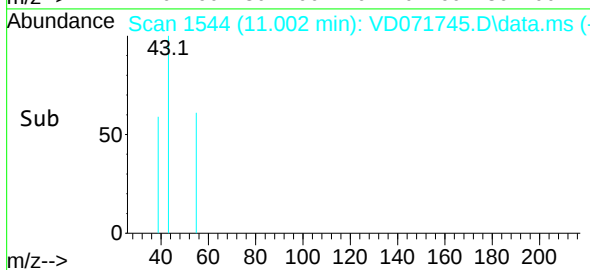
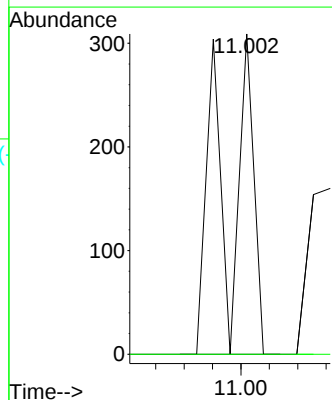
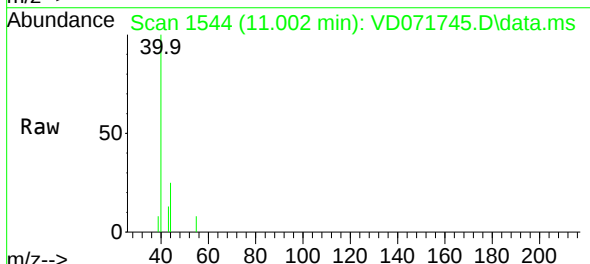
Instrument :
MSVOA_D
ClientSampleId :

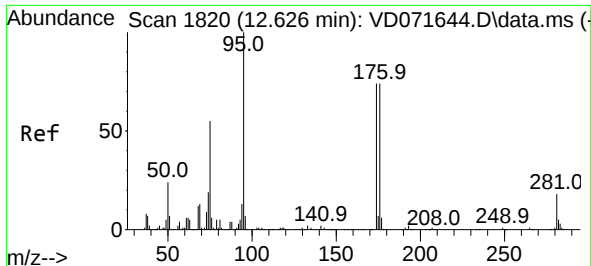
Tgt Ion: 92 Resp: 666
Ion Ratio Lower Upper
92 100
91 196.2 137.3 205.9



#59
2-Hexanone
Concen: 2.063 ug/l
RT: 11.002 min Scan# 1544
Delta R.T. 0.023 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
58 0.0 24.3 72.8#

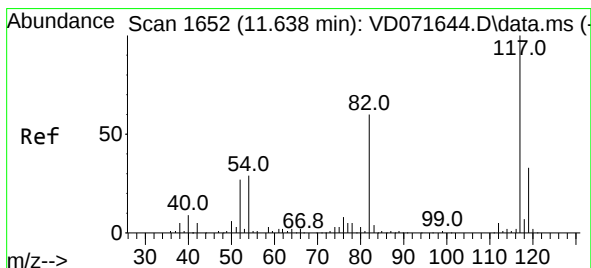
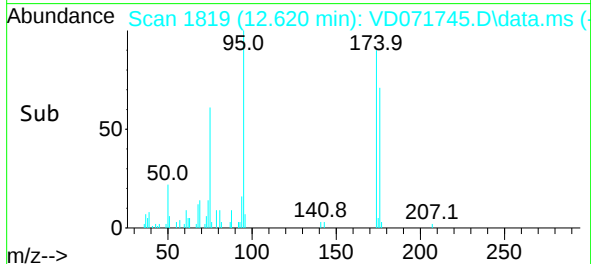
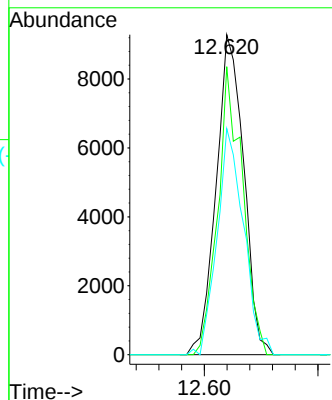
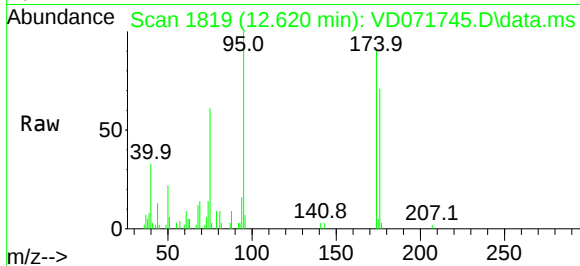




#62
4-Bromofluorobenzene
Concen: 52.067 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

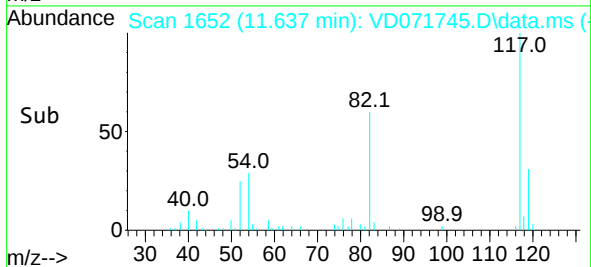
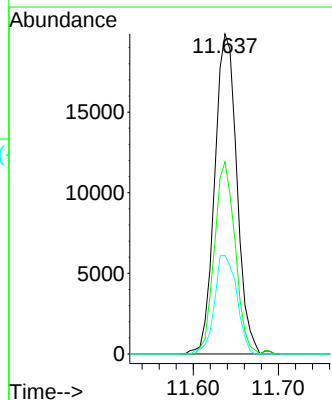
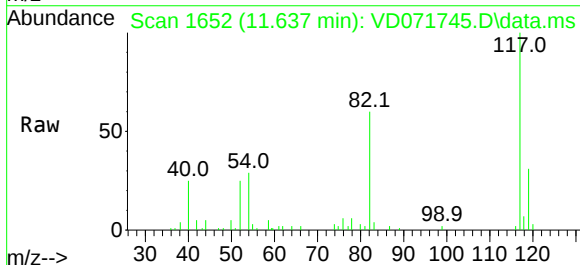
Instrument :
MSVOA_D
ClientSampleId :

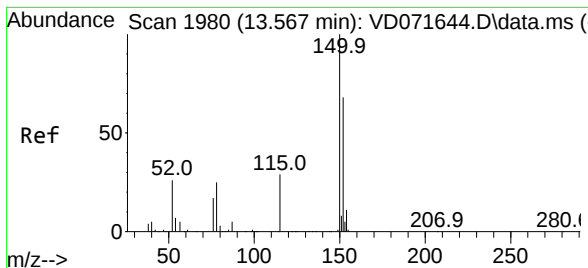
Tgt Ion: 95 Resp: 15640
Ion Ratio Lower Upper
95 100
174 80.8 0.0 150.0
176 67.9 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Tgt Ion: 117 Resp: 35971
Ion Ratio Lower Upper
117 100
82 60.1 46.9 70.3
119 30.8 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :

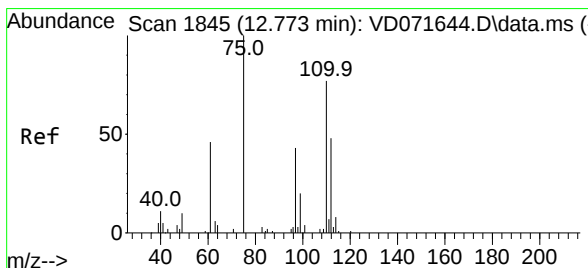
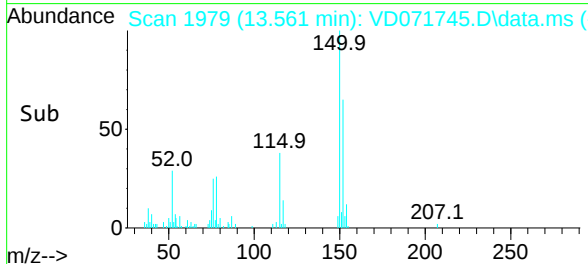
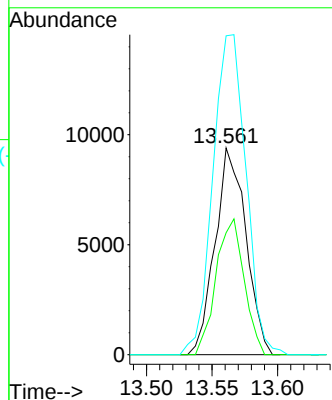
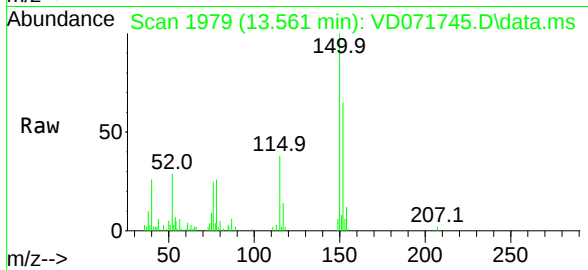
Tgt Ion:152 Resp: 15369

Ion Ratio Lower Upper

152 100

115 59.6 31.5 94.5

150 165.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 57.223 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD071745.D

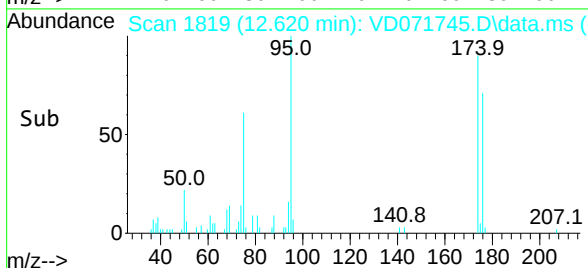
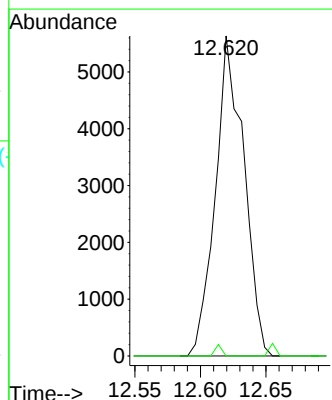
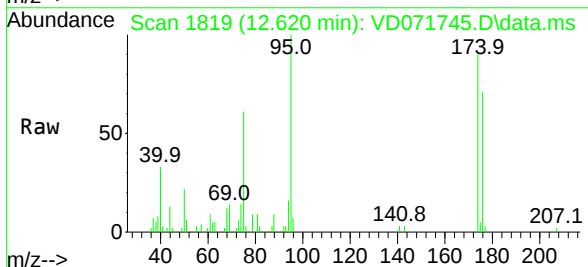
Acq: 19 Jan 2022 15:42

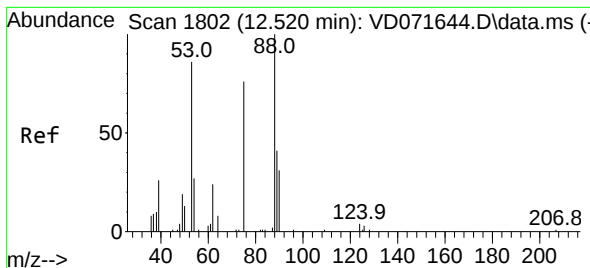
Tgt Ion: 75 Resp: 8498

Ion Ratio Lower Upper

75 100

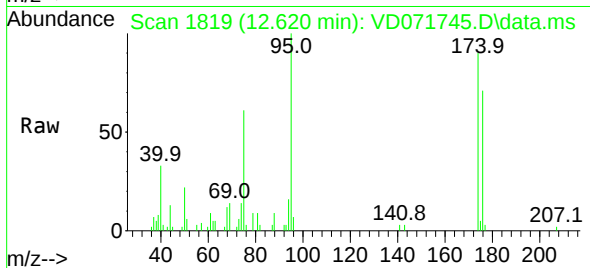
77 0.8 0.0 0.0#



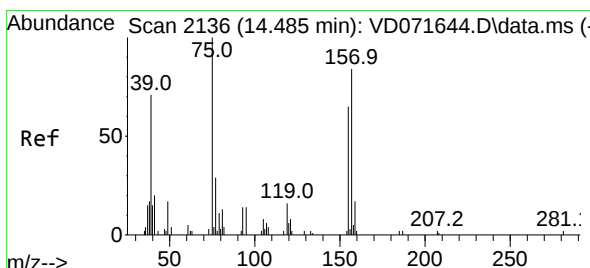
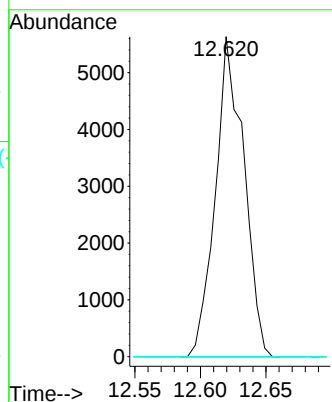
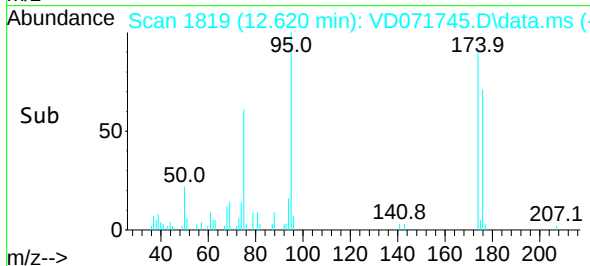


#81
trans-1,4-Dichloro-2-butene
Concen: 159.530 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

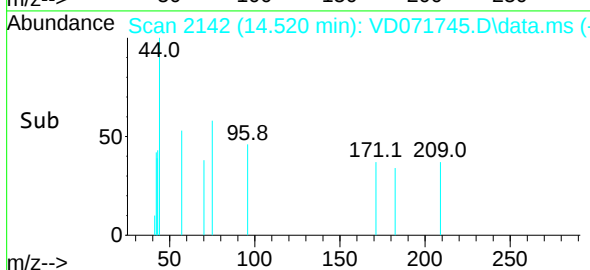
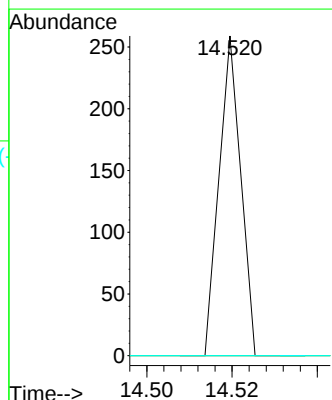
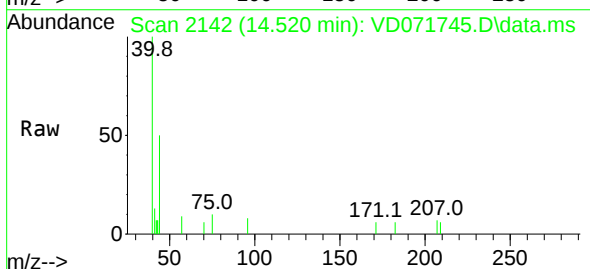


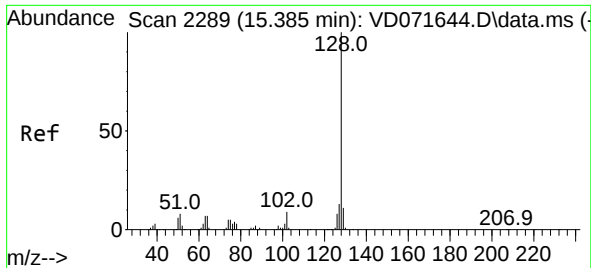
Tgt Ion: 75 Resp: 8498
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.893 ug/l
RT: 14.520 min Scan# 2142
Delta R.T. 0.030 min
Lab File: VD071745.D
Acq: 19 Jan 2022 15:42

Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
155 0.0 35.4 106.1#
157 0.0 44.9 134.5#





#95

Naphthalene

Concen: 1.658 ug/l

RT: 15.384 min Scan# 21

Delta R.T. 0.000 min

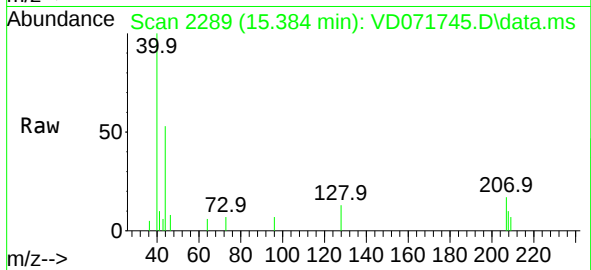
Lab File: VD071745.D

Acq: 19 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	714
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.9	16.3#
129	0.0	9.1	13.7#

