

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072631.D
 Acq On : 19 Apr 2022 18:12
 Operator : VA/SY
 Sample : N2449-02
 Misc : 5.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L091-B

Quant Time: Apr 20 05:04:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

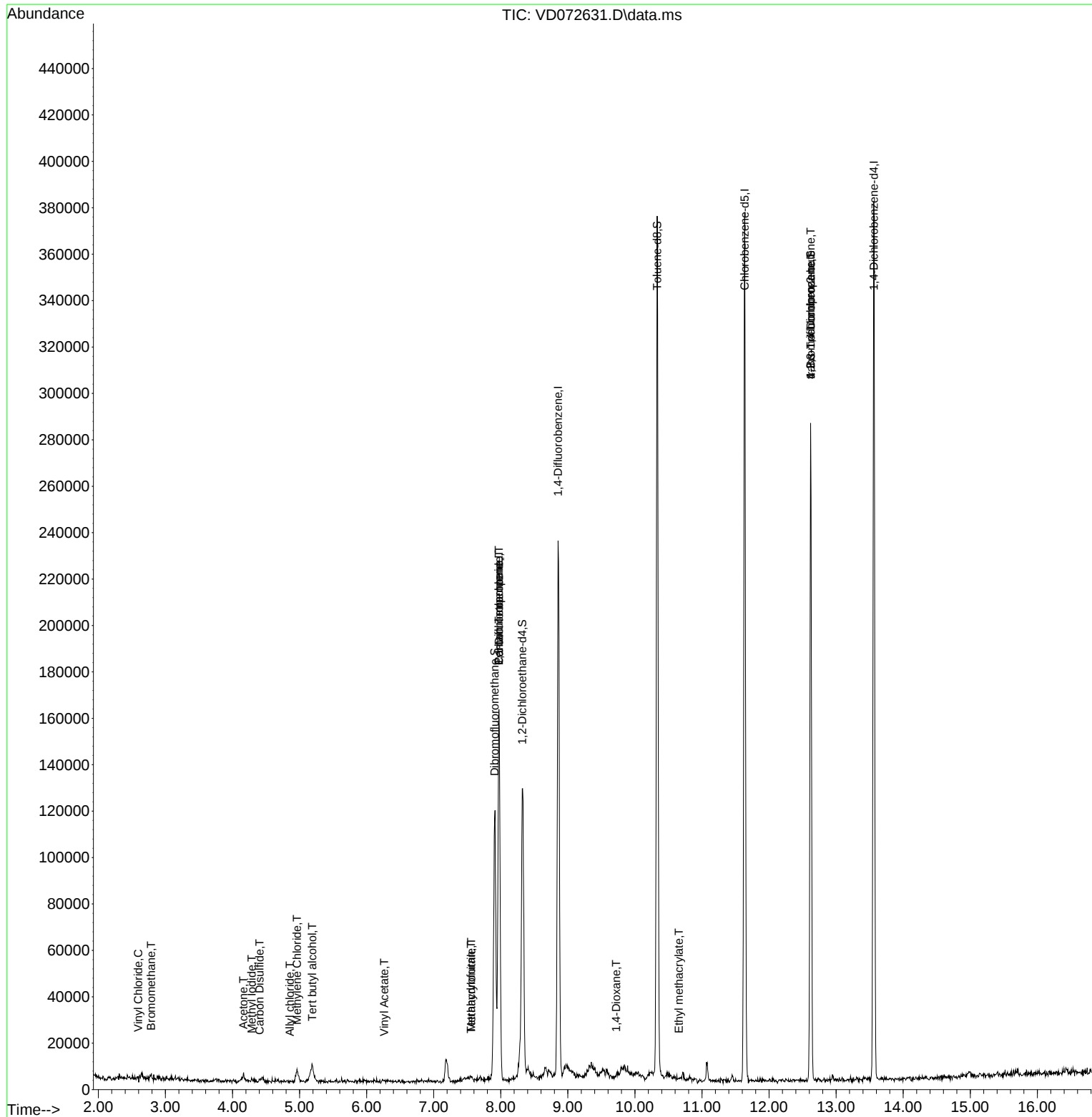
Internal Standards						
1) Pentafluorobenzene	7.973	168	115050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	205409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	219993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	103215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	103714	74.520	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.040%	
35) Dibromofluoromethane	7.908	113	83657	52.406	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.820%	
50) Toluene-d8	10.332	98	251167	45.264	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.520%	
62) 4-Bromofluorobenzene	12.620	95	92718	42.785	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.560%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.597	62	80	1.031	ug/l #	43
5) Bromomethane	2.785	94	1104	1.696	ug/l #	76
10) Methyl Iodide	4.285	142	240	3.911	ug/l #	40
11) Tert butyl alcohol	5.191	59	6969	94.820	ug/l #	74
14) Allyl chloride	4.855	41	65	1.162	ug/l #	22
16) Acetone	4.161	43	4894	18.858	ug/l #	81
17) Carbon Disulfide	4.402	76	276	3.740	ug/l #	74
20) Methylene Chloride	4.961	84	3636	2.353	ug/l #	83
23) Vinyl Acetate	6.261	43	61	6.316	ug/l #	75
29) Tetrahydrofuran	7.555	42	627	2.893	ug/l #	47
36) 1,1-Dichloropropene	7.973	75	9295	5.578	ug/l #	48
38) Carbon Tetrachloride	7.973	117	12104	5.504	ug/l #	18
41) Methacrylonitrile	7.561	41	73	1.801	ug/l #	41
49) 1,4-Dioxane	9.720	88	63	6.509	ug/l #	21
56) Ethyl methacrylate	10.655	69	295	1.381	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	48654	43.220	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	48654	106.054	ug/l #	7

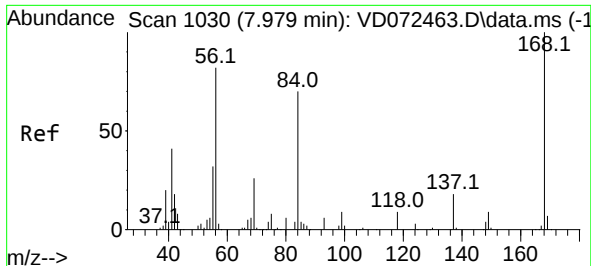
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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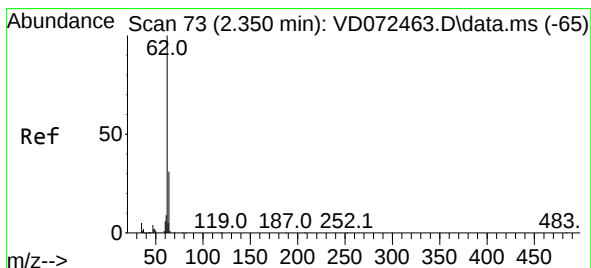
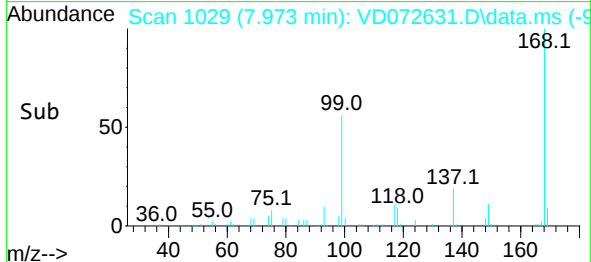
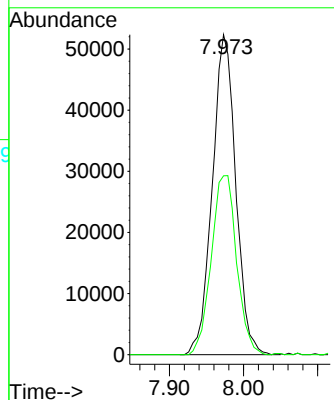
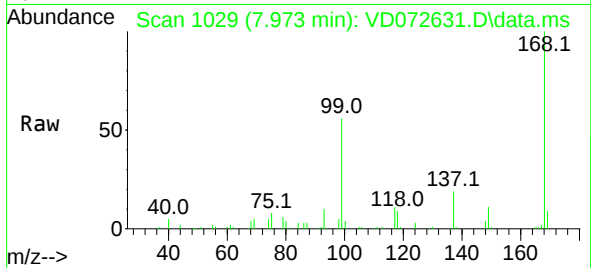




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

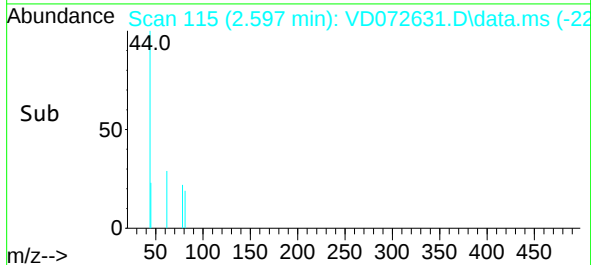
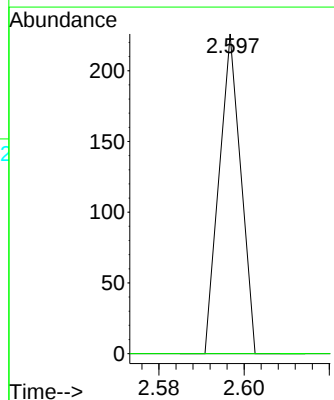
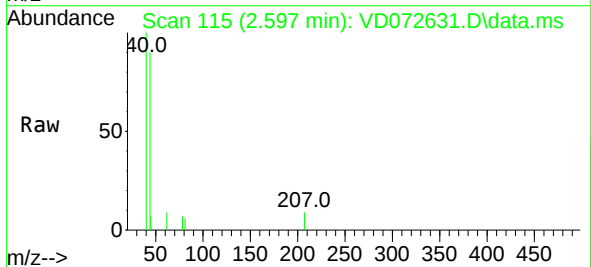
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

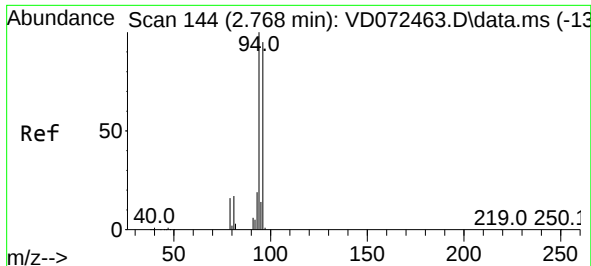
Tgt Ion:168 Resp: 115050
Ion Ratio Lower Upper
168 100
99 55.9 49.8 74.6



#4
Vinyl Chloride
Concen: 1.031 ug/l
RT: 2.597 min Scan# 115
Delta R.T. 0.247 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Tgt Ion: 62 Resp: 80
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

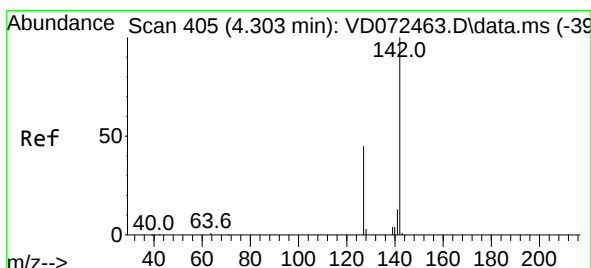
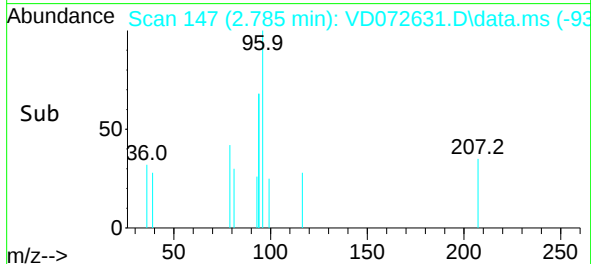
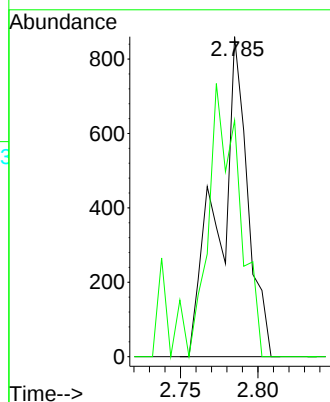
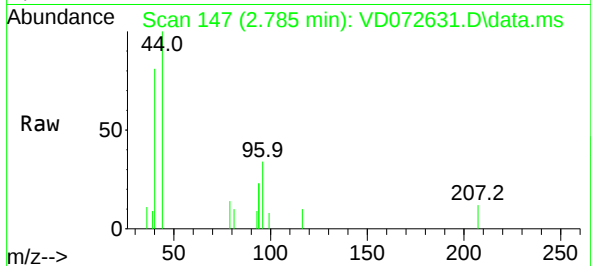




#5
Bromomethane
Concen: 1.696 ug/l
RT: 2.785 min Scan# 144
Delta R.T. 0.017 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

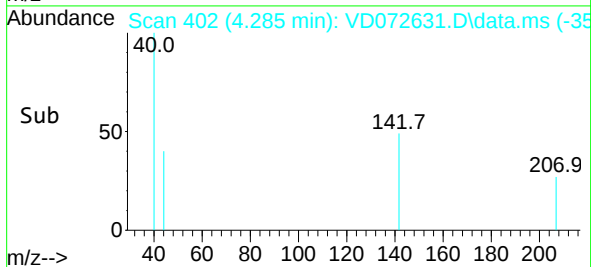
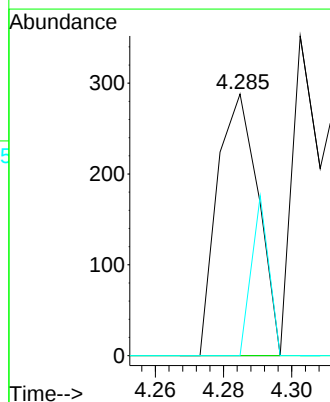
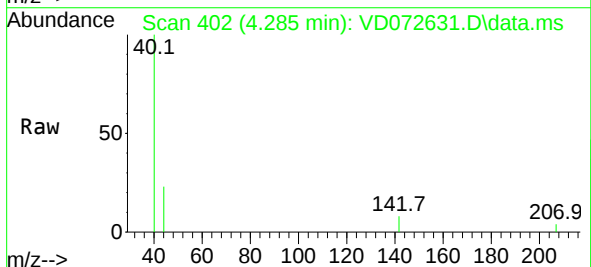
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

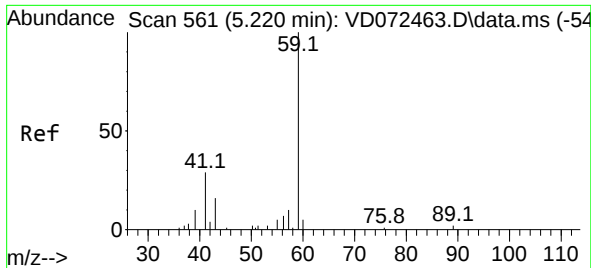
Tgt Ion: 94 Resp: 1104
Ion Ratio Lower Upper
94 100
96 73.8 77.6 116.4#



#10
Methyl Iodide
Concen: 3.911 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Tgt Ion: 142 Resp: 240
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 25.8 11.7 17.5#

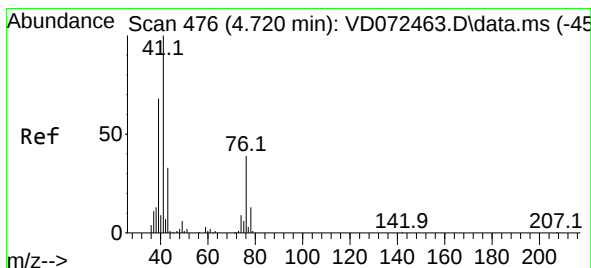
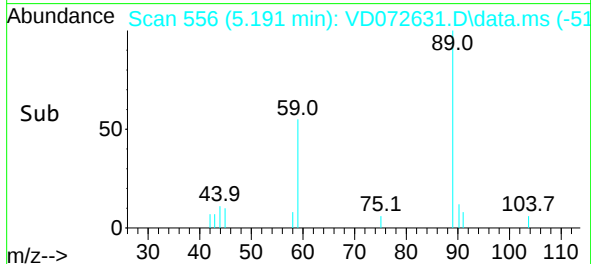
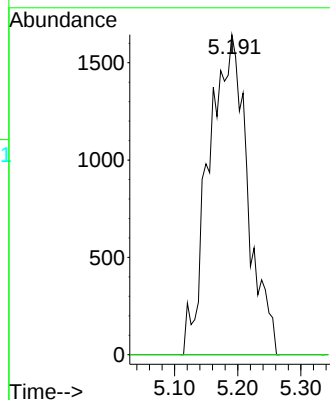
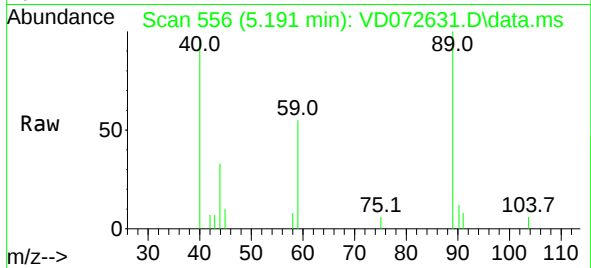




#11
Tert butyl alcohol
Concen: 94.820 ug/l
RT: 5.191 min Scan# 511
Delta R.T. -0.030 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

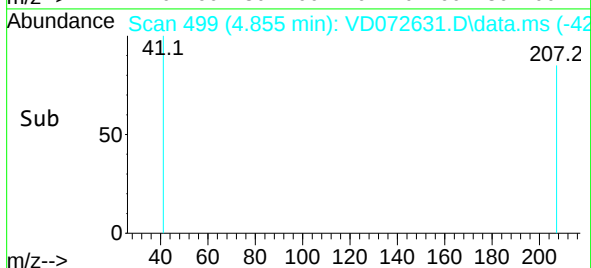
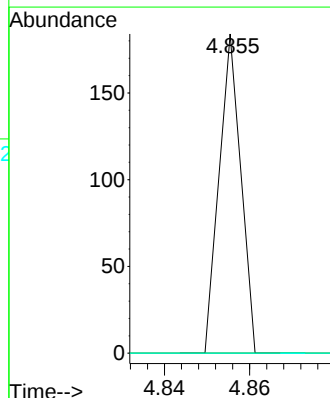
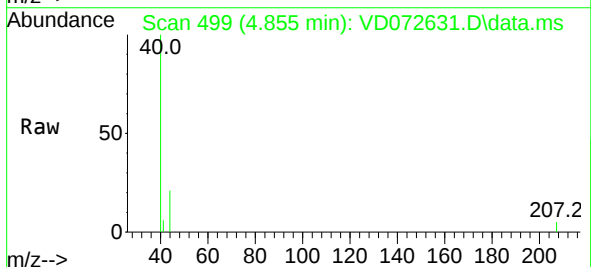
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

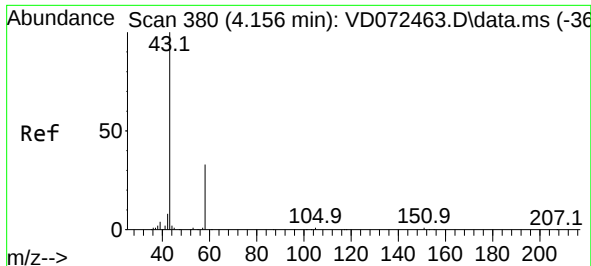
Tgt Ion: 59 Resp: 6969
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.162 ug/l
RT: 4.855 min Scan# 499
Delta R.T. 0.135 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Tgt Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

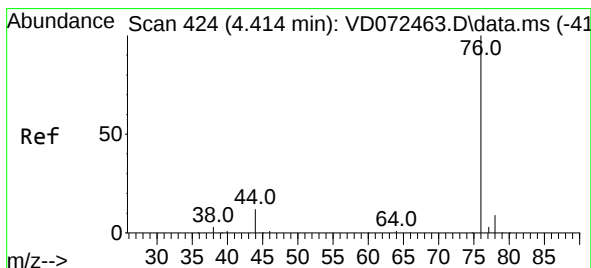
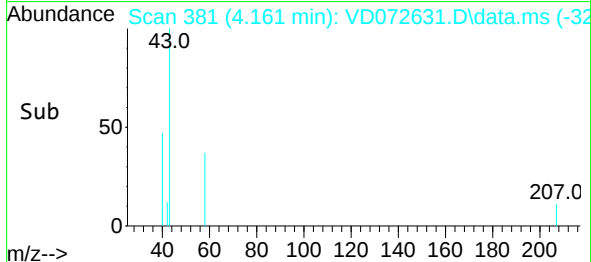
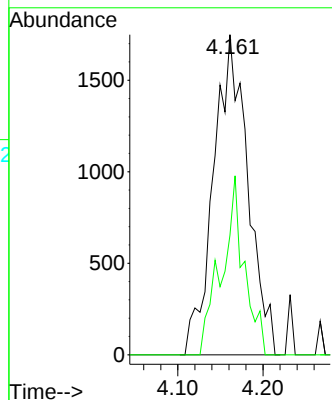
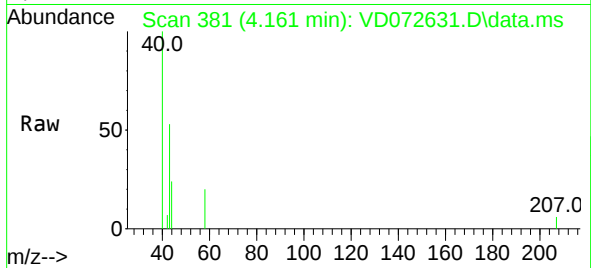




#16
Acetone
Concen: 18.858 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

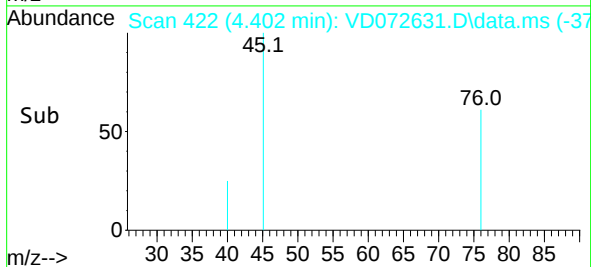
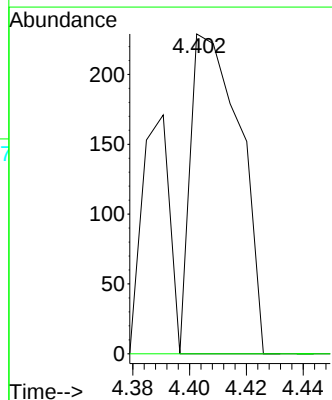
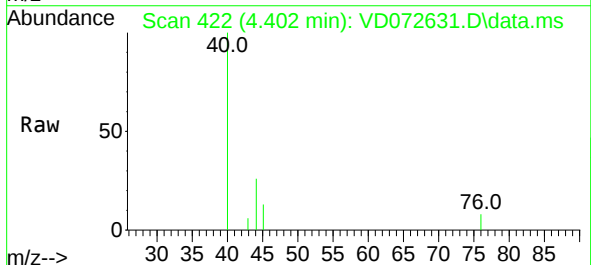
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

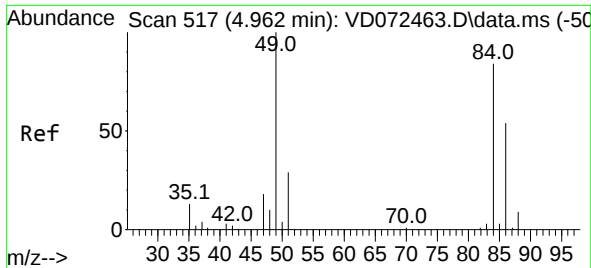
Tgt Ion: 43 Resp: 4894
Ion Ratio Lower Upper
43 100
58 37.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.740 ug/l
RT: 4.402 min Scan# 422
Delta R.T. -0.012 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

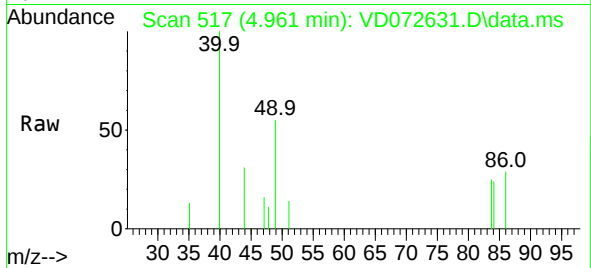
Tgt Ion: 76 Resp: 276
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



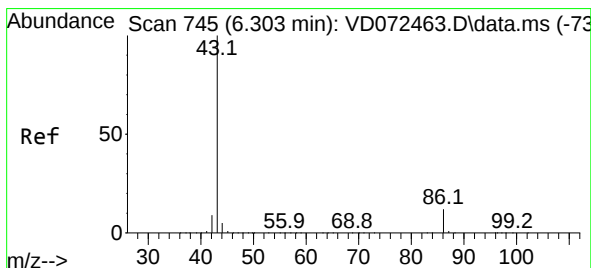
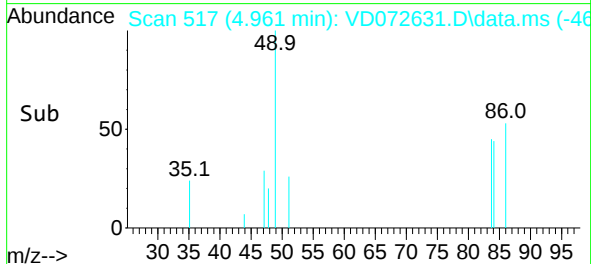
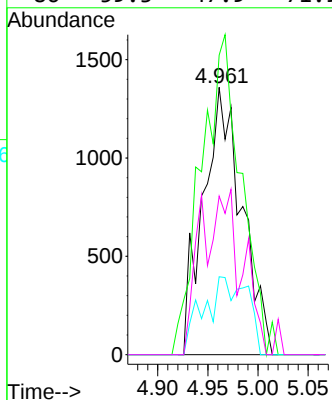


#20
Methylene Chloride
Concen: 2.353 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Instrument :
MSVOA_D
ClientSampleId :
22L091-B

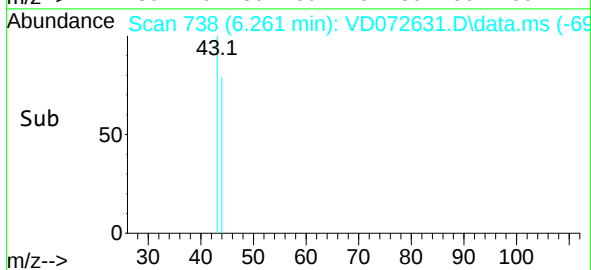
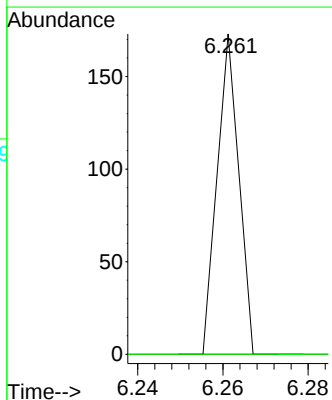
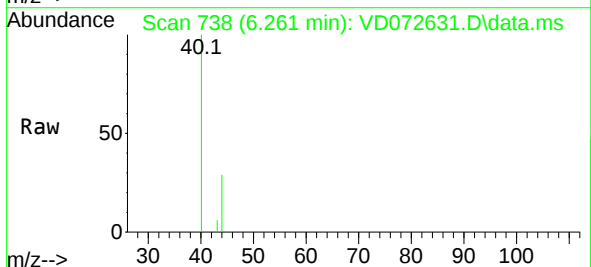


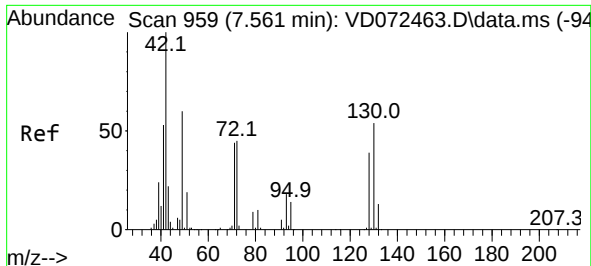
Tgt Ion:	84	Resp:	3636
Ion	Ratio	Lower	Upper
84	100		
49	112.1	112.8	169.2#
51	29.1	32.6	48.8#
86	59.3	47.9	71.9



#23
Vinyl Acetate
Concen: 6.316 ug/l
RT: 6.261 min Scan# 738
Delta R.T. -0.042 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

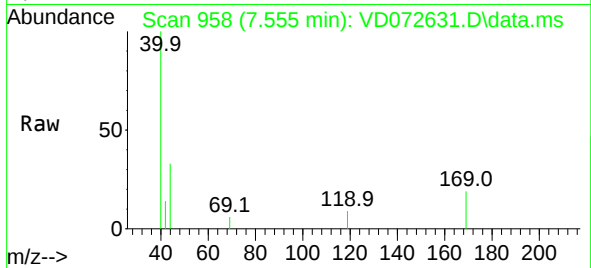
Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#



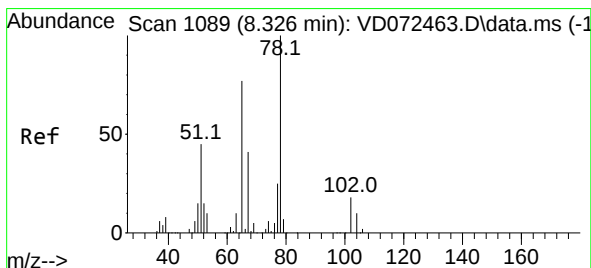
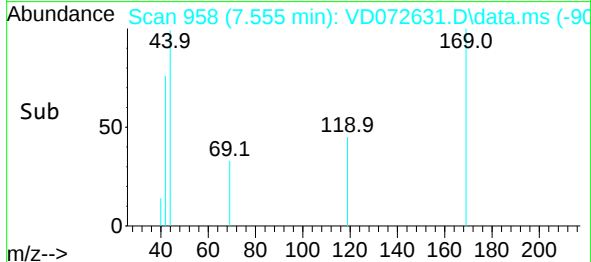
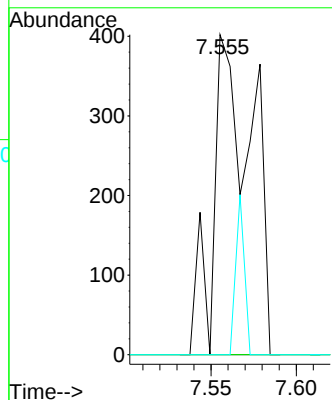


#29
Tetrahydrofuran
Concen: 2.893 ug/l
RT: 7.555 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

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22L091-B

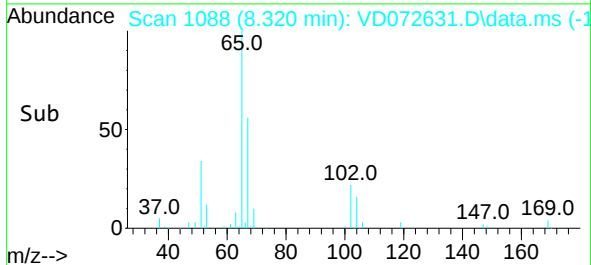
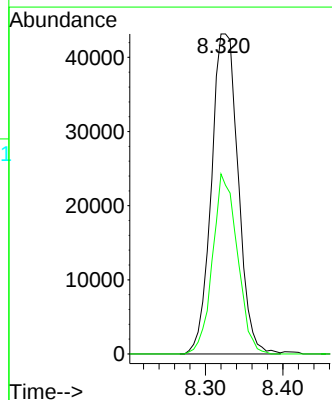
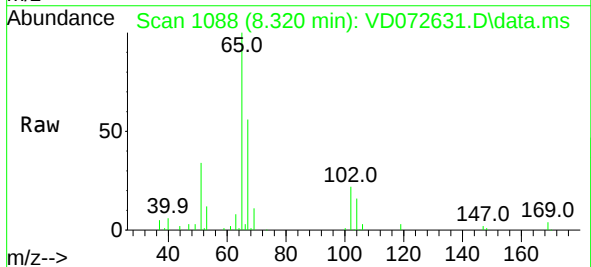


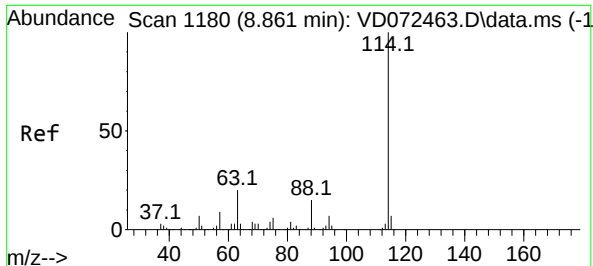
Tgt Ion: 42 Resp: 627
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 11.3 28.6 43.0#



#33
1,2-Dichloroethane-d4
Concen: 74.520 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Tgt Ion: 65 Resp: 103714
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072631.D

Acq: 19 Apr 2022 18:12

Instrument :

MSVOA_D

ClientSampleId :

22L091-B

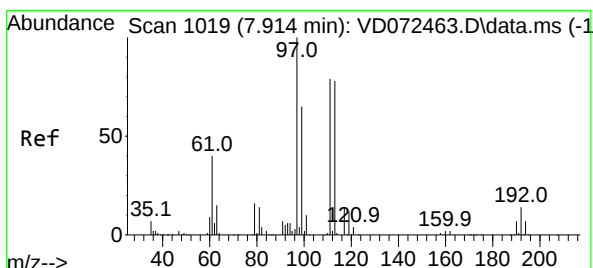
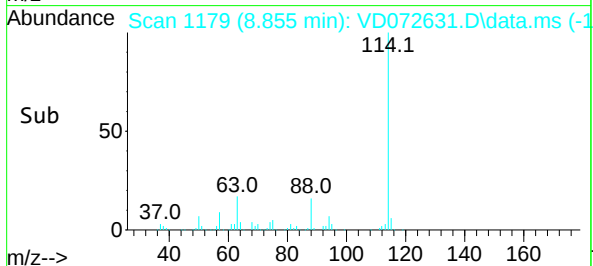
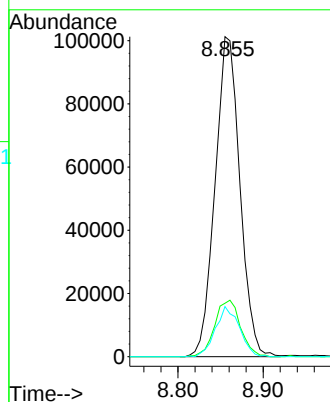
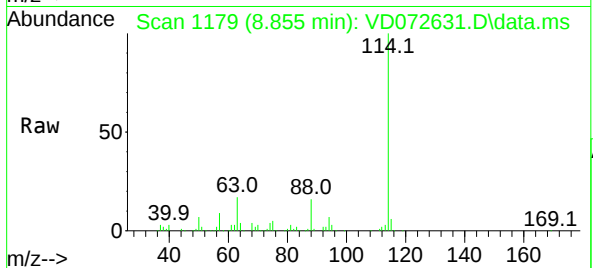
Tgt Ion:114 Resp: 205409

Ion Ratio Lower Upper

114 100

63 16.7 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.406 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072631.D

Acq: 19 Apr 2022 18:12

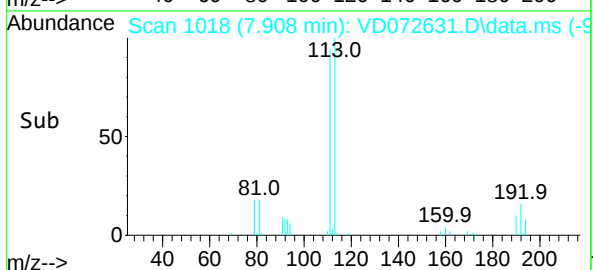
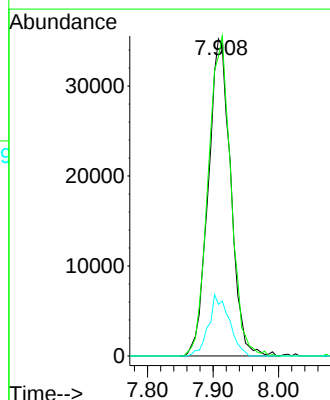
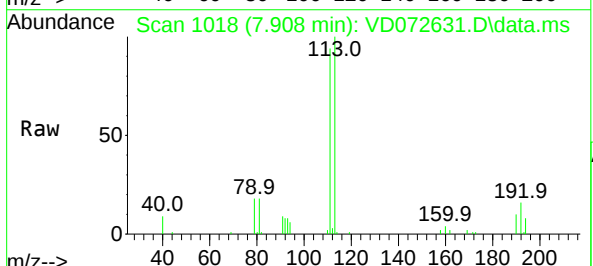
Tgt Ion:113 Resp: 83657

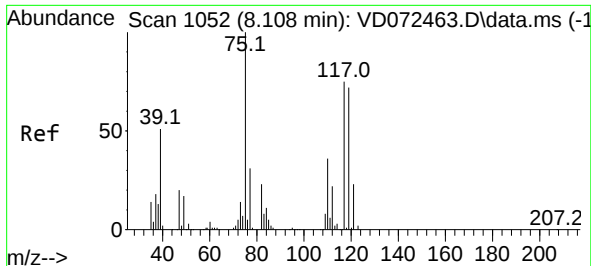
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.578 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072631.D

Acq: 19 Apr 2022 18:12

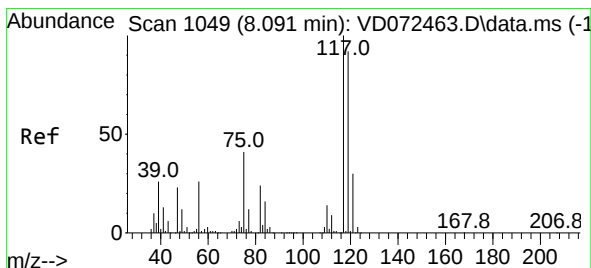
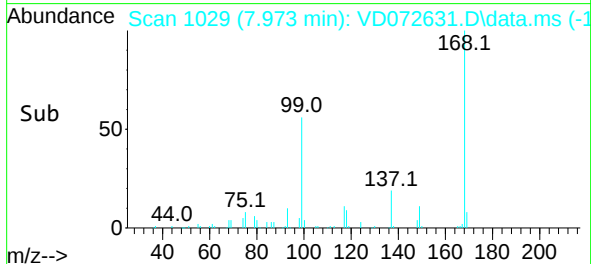
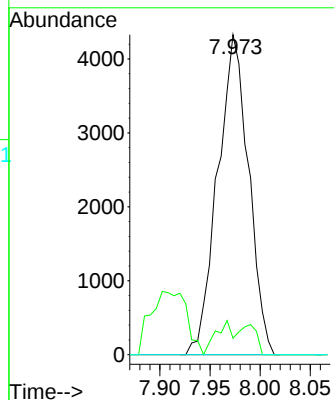
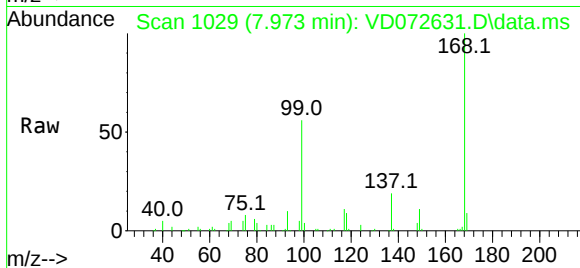
Instrument :

MSVOA_D

ClientSampleId :

22L091-B

Tgt Ion: 75	Resp:	9295
Ion Ratio	Lower	Upper
75	100	
110	5.6	16.4 49.1#
77	0.0	24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.504 ug/l

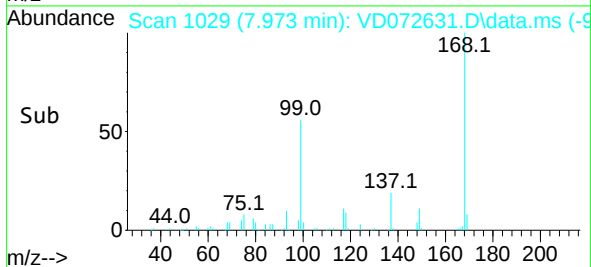
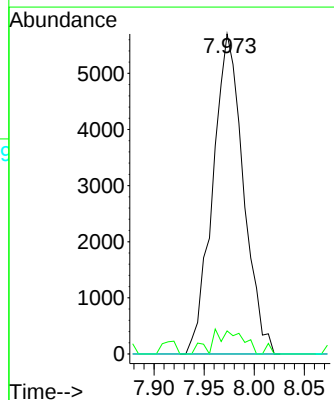
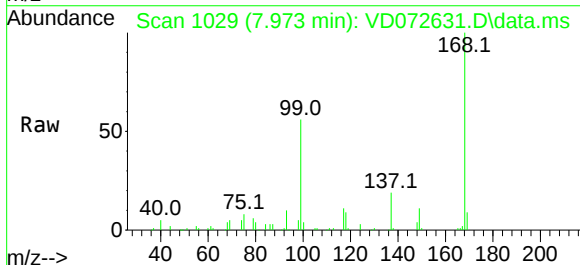
RT: 7.973 min Scan# 1029

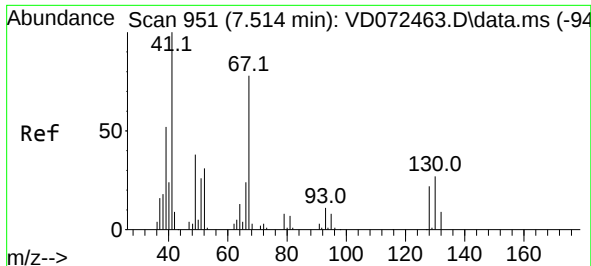
Delta R.T. -0.118 min

Lab File: VD072631.D

Acq: 19 Apr 2022 18:12

Tgt Ion: 117	Resp:	12104
Ion Ratio	Lower	Upper
117	100	
119	7.2	75.8 113.6#
121	0.0	24.5 36.7#

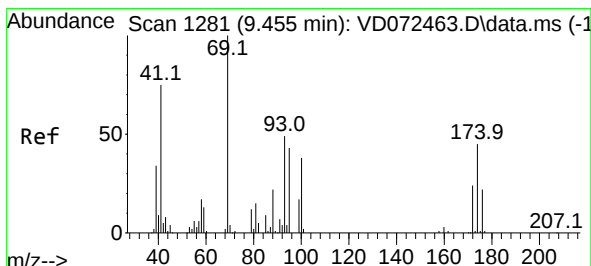
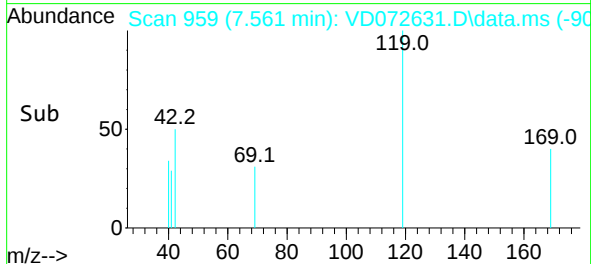
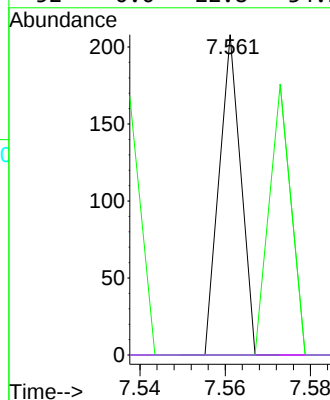
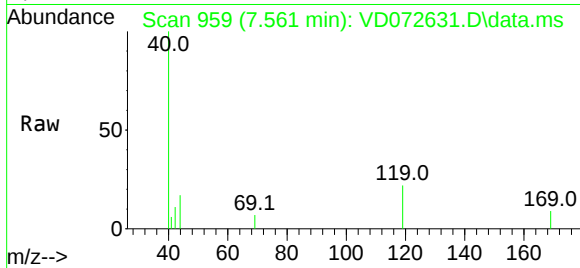




#41
Methacrylonitrile
Concen: 1.801 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.047 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

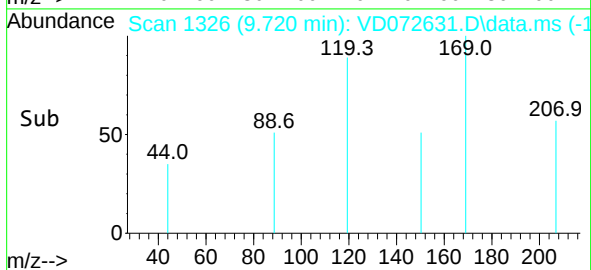
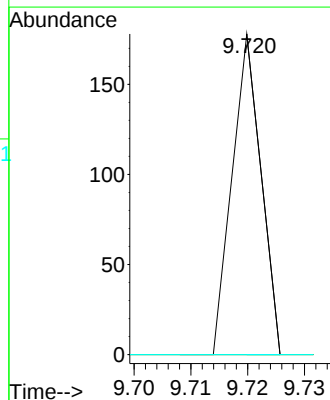
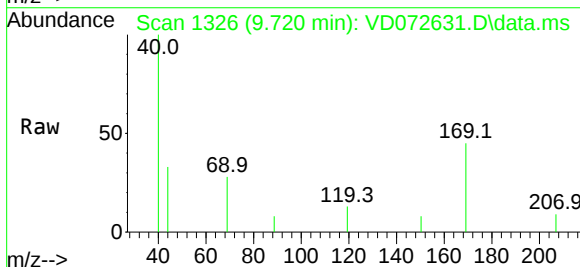
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

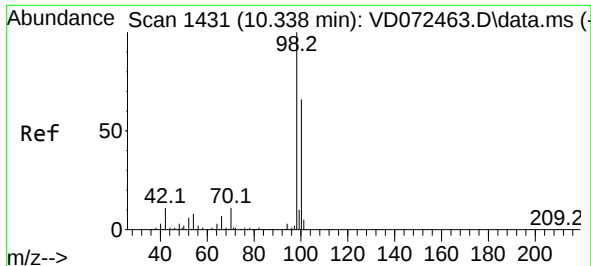
Tgt Ion:	41	Resp:	73
Ion	Ratio	Lower	Upper
41	100		
39	84.9	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#49
1,4-Dioxane
Concen: 6.509 ug/l
RT: 9.720 min Scan# 1326
Delta R.T. 0.264 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Tgt Ion:	88	Resp:	63
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.0	46.4#
58	0.0	58.1	87.1#

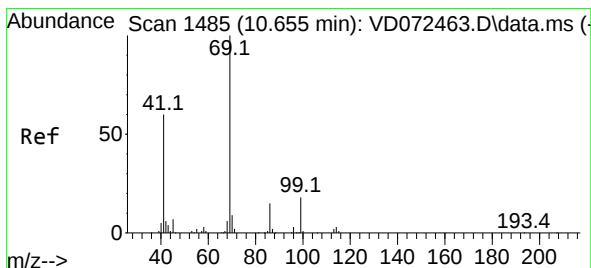
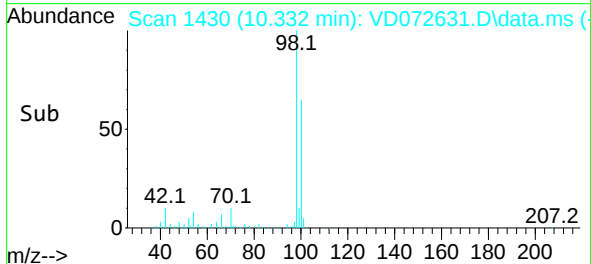
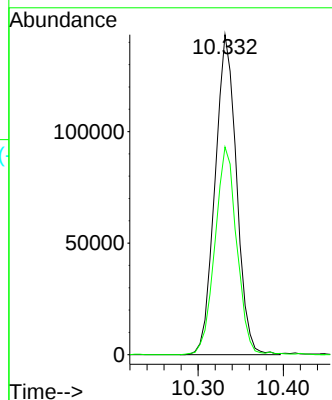
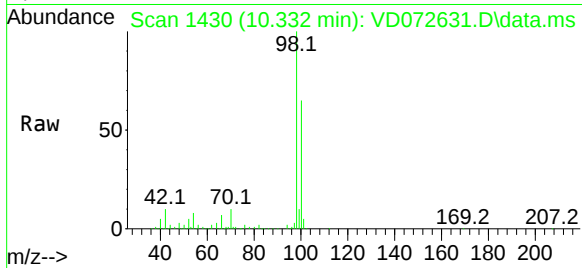




#50
Toluene-d8
Concen: 45.264 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

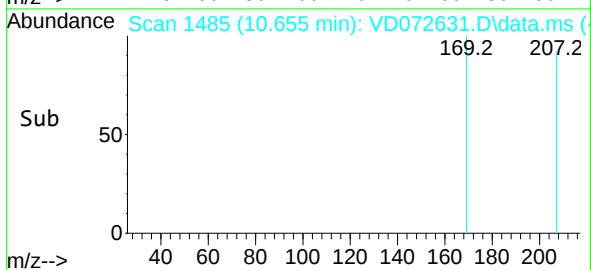
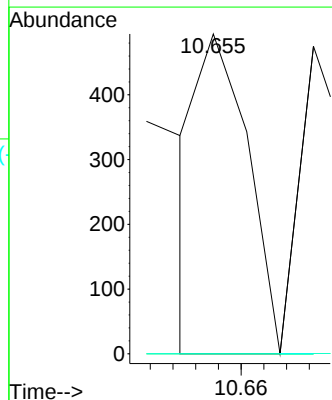
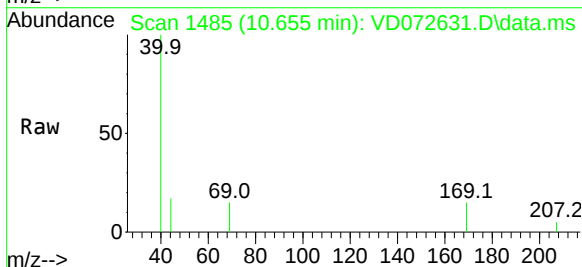
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

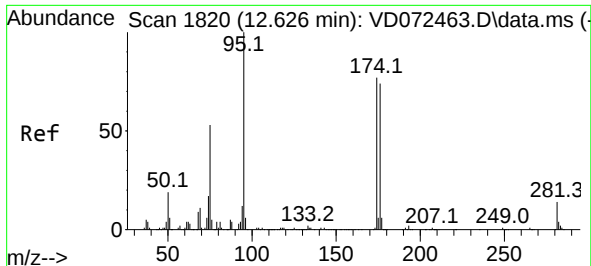
Tgt Ion: 98 Resp: 251167
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.381 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Tgt Ion: 69 Resp: 295
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

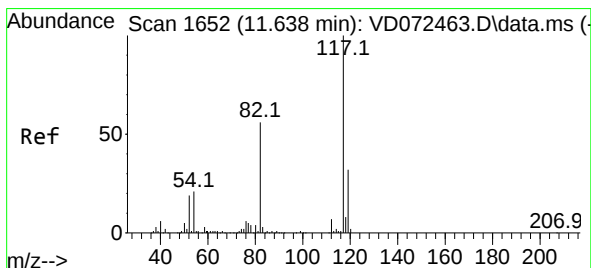
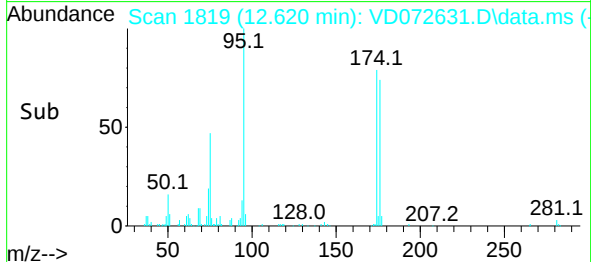
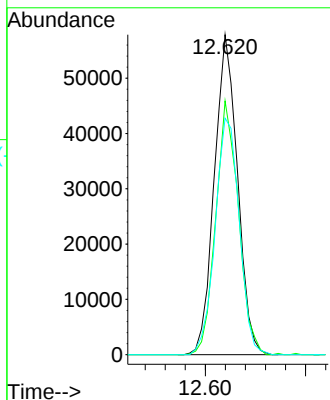
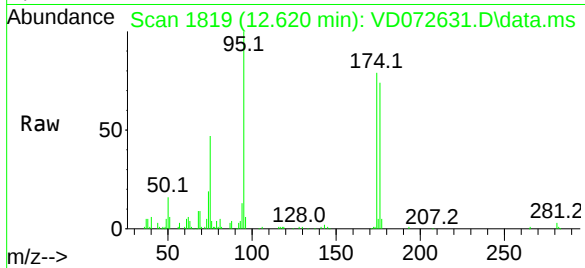




#62
4-Bromofluorobenzene
Concen: 42.785 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

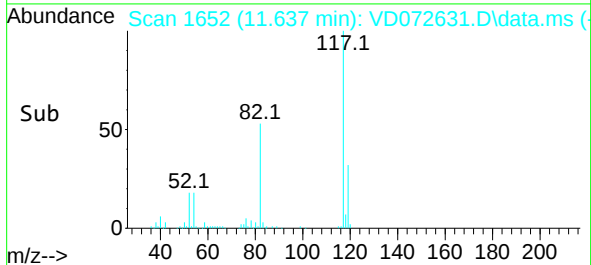
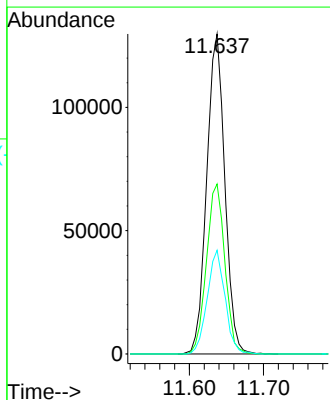
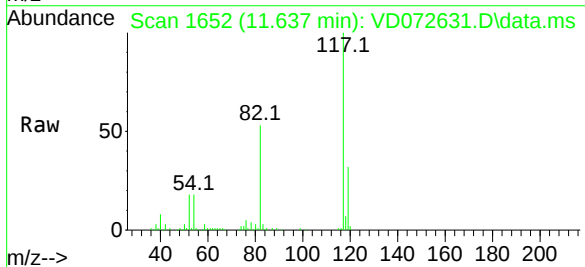
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

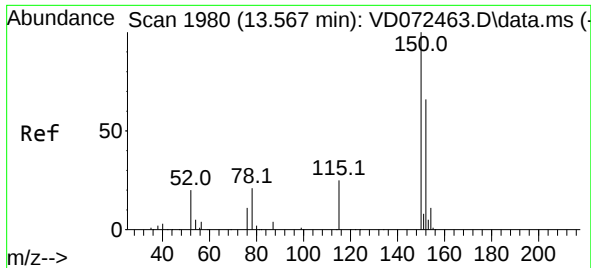
Tgt Ion: 95 Resp: 92718
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.8
176 76.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072631.D
Acq: 19 Apr 2022 18:12

Tgt Ion: 117 Resp: 219993
Ion Ratio Lower Upper
117 100
82 53.1 45.3 67.9
119 32.4 26.6 40.0

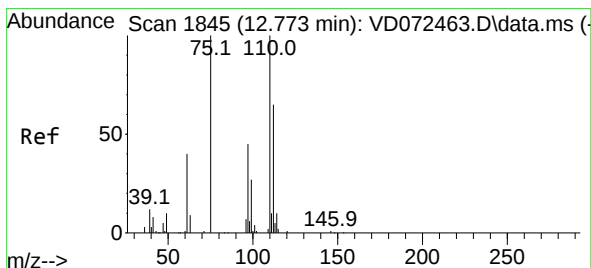
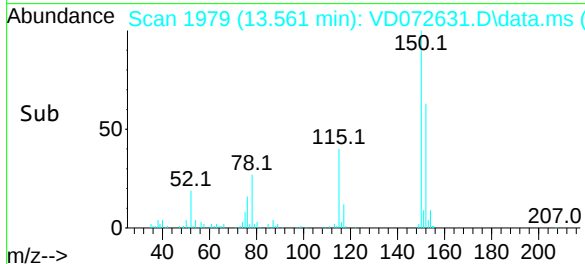
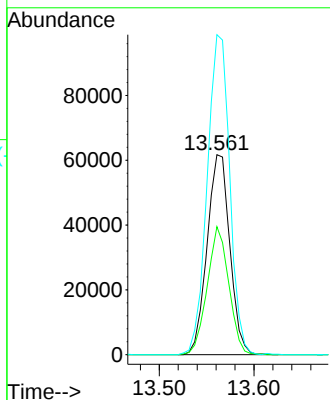
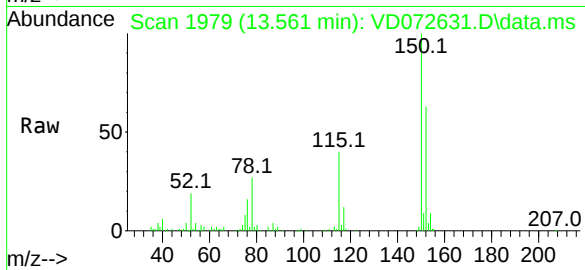




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072631.D
 Acq: 19 Apr 2022 18:12

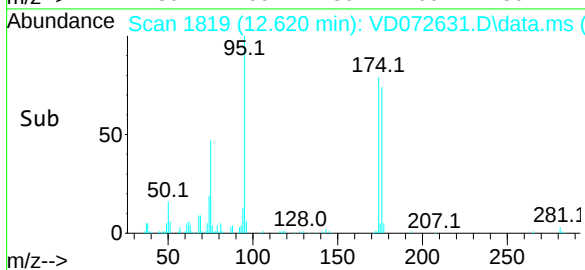
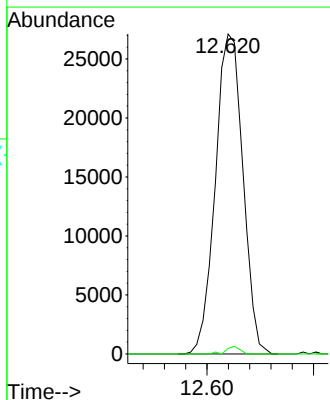
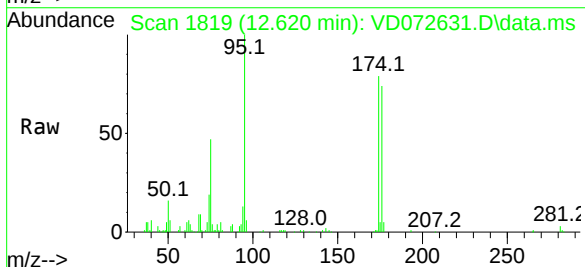
Instrument :
 MSVOA_D
 ClientSampleId :
 22L091-B

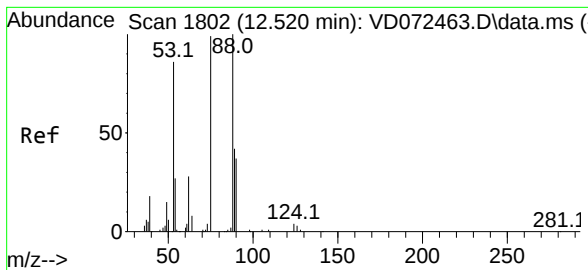
Tgt Ion:152 Resp: 103215
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.3 93.8
 150 158.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 43.220 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072631.D
 Acq: 19 Apr 2022 18:12

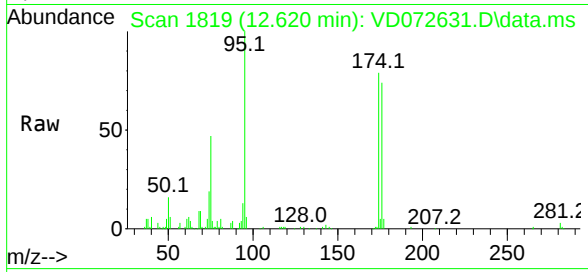
Tgt Ion: 75 Resp: 48654
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.054 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072631.D
 Acq: 19 Apr 2022 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 22L091-B



Tgt Ion: 75 Resp: 48654
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

