

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072646.D
 Acq On : 20 Apr 2022 14:43
 Operator : VA/SY
 Sample : N2446-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 339

Quant Time: Apr 21 01:50:30 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)

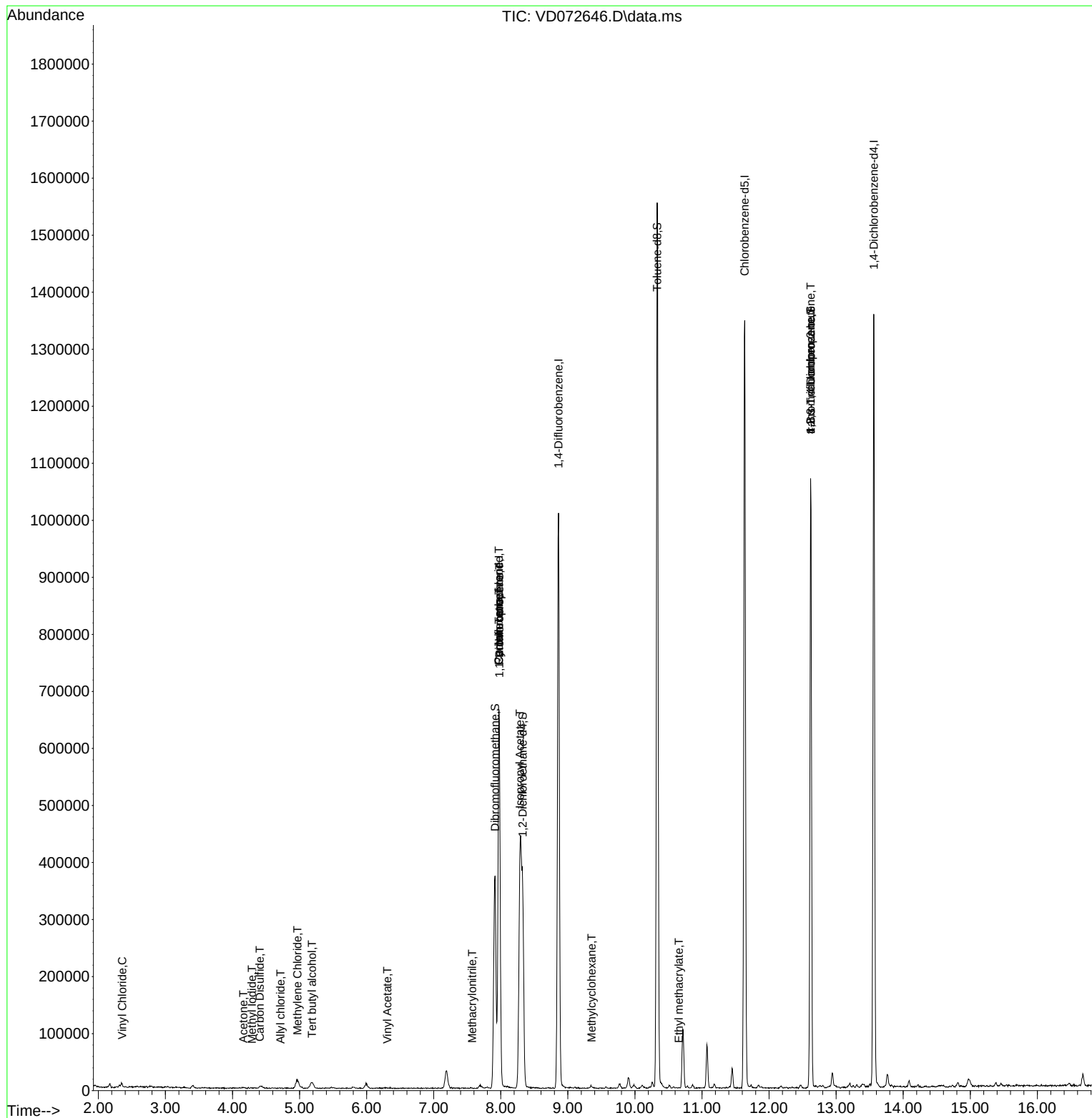
Internal Standards						
1) Pentafluorobenzene	7.973	168	485370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	869009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	809356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	360522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	260087	44.297	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.600%
35) Dibromofluoromethane	7.914	113	275967	40.863	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.720%
50) Toluene-d8	10.332	98	1038012	44.217	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.440%
62) 4-Bromofluorobenzene	12.620	95	349233	38.092	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.180%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.356	62	307	1.024	ug/l #	43
10) Methyl Iodide	4.291	142	1219	3.948	ug/l #	45
11) Tert butyl alcohol	5.185	59	10672	34.418	ug/l #	74
14) Allyl chloride	4.714	41	191	1.151	ug/l #	64
16) Acetone	4.162	43	1771	1.618	ug/l	96
17) Carbon Disulfide	4.409	76	4035	4.022	ug/l #	79
20) Methylene Chloride	4.967	84	11430	1.754	ug/l #	83
23) Vinyl Acetate	6.308	43	633	6.354	ug/l #	75
31) Cyclohexane	7.973	56	10580	1.378	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	37212	5.339	ug/l #	52
38) Carbon Tetrachloride	7.973	117	51682	5.555	ug/l #	17
39) Methylcyclohexane	9.355	83	1536	3.021	ug/l #	56
41) Methacrylonitrile	7.573	41	230	1.764	ug/l #	27
43) Isopropyl Acetate	8.285	43	10287	1.499	ug/l #	1
56) Ethyl methacrylate	10.655	69	58	1.200	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	179341	45.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	179341	111.918	ug/l #	7

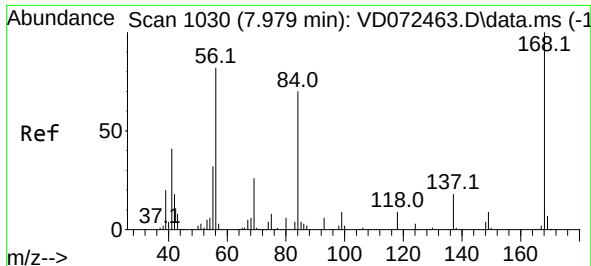
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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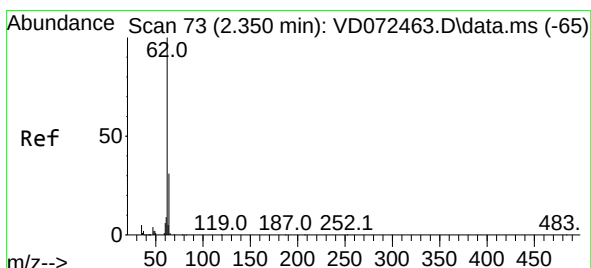
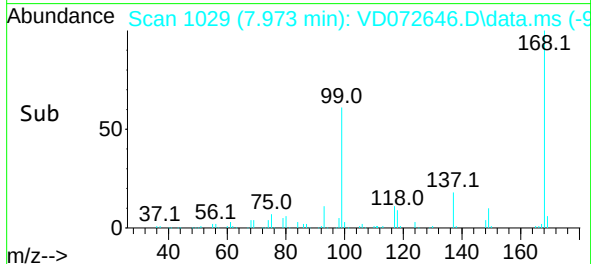
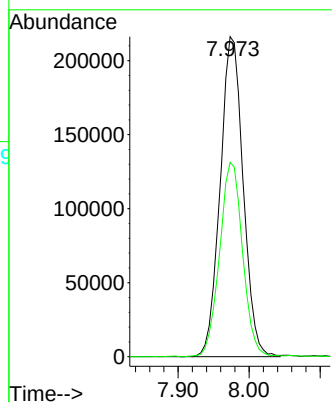
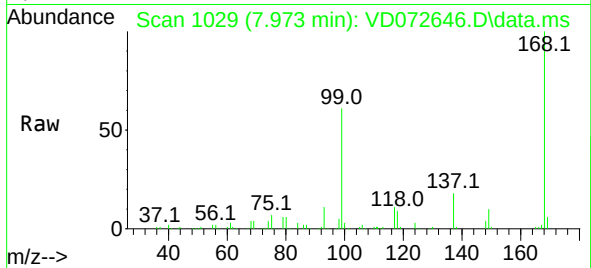




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

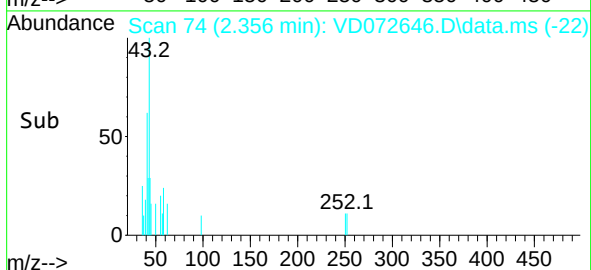
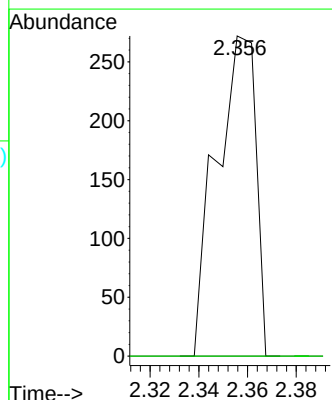
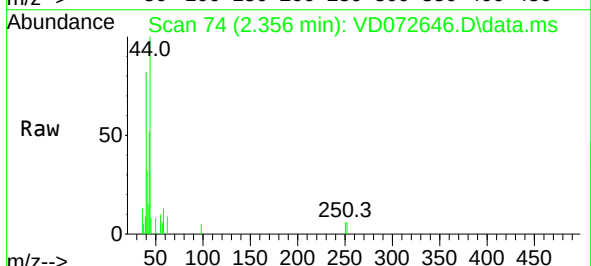
Instrument :
MSVOA_D
ClientSampleId :
339

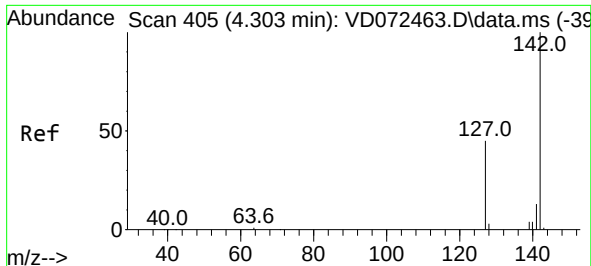
Tgt Ion:168 Resp: 485370
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6



#4
Vinyl Chloride
Concen: 1.024 ug/l
RT: 2.356 min Scan# 74
Delta R.T. 0.006 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

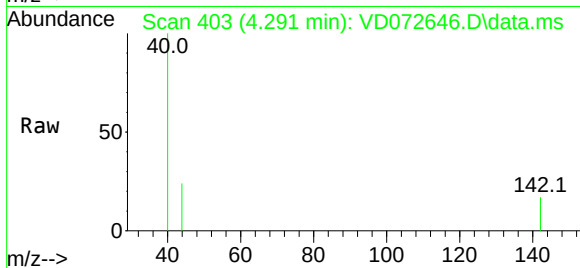
Tgt Ion: 62 Resp: 307
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#



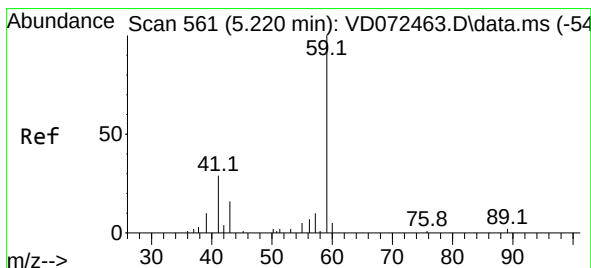
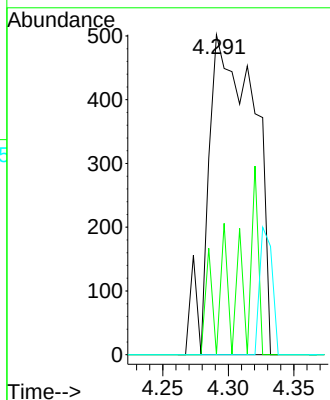
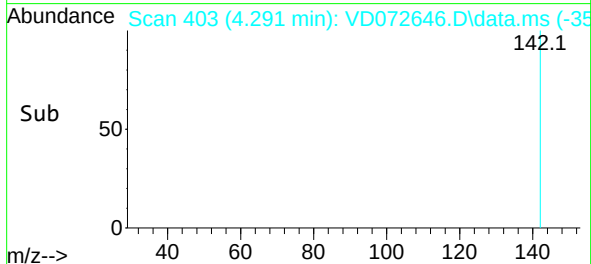


#10
Methyl Iodide
Concen: 3.948 ug/l
RT: 4.291 min Scan# 405
Delta R.T. -0.012 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

Instrument :
MSVOA_D
ClientSampleId :
339

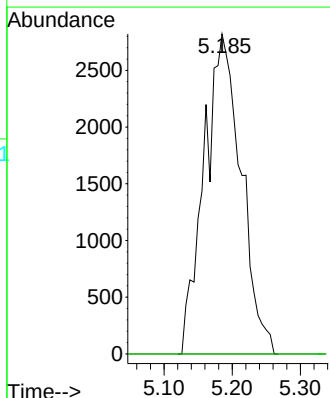
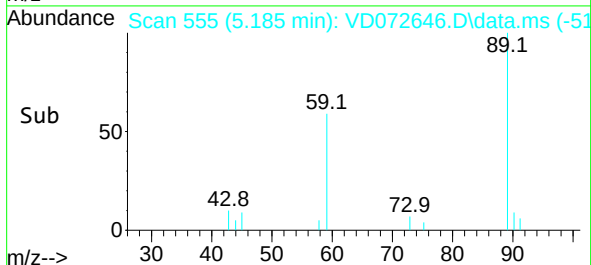
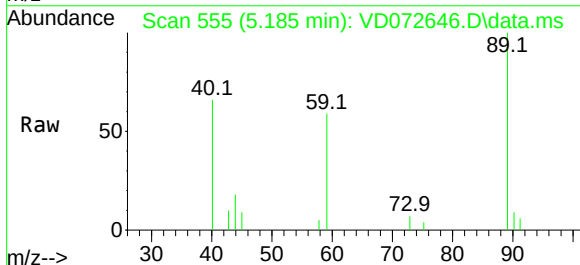


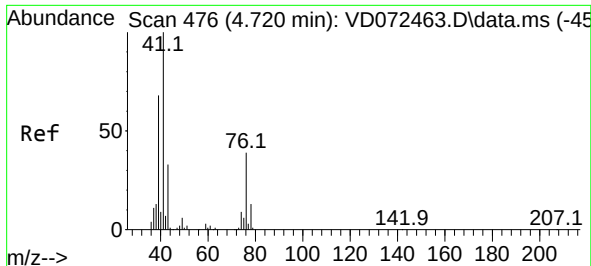
Tgt Ion:142 Resp: 1219
Ion Ratio Lower Upper
142 100
127 6.0 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 34.418 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

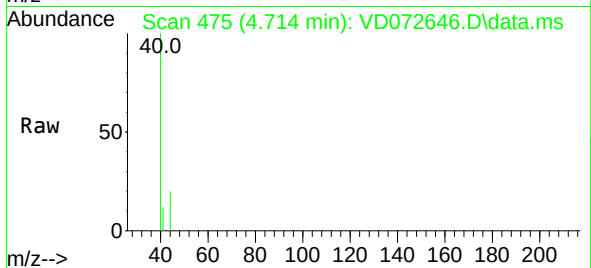
Tgt Ion: 59 Resp: 10672
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



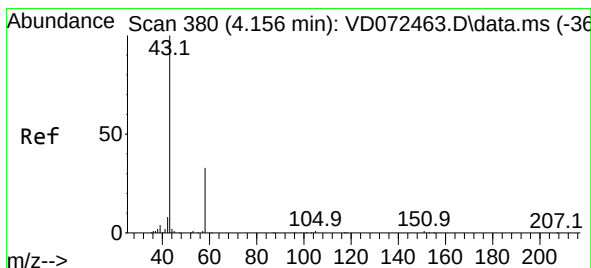
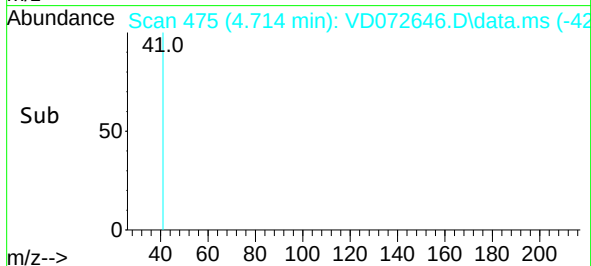
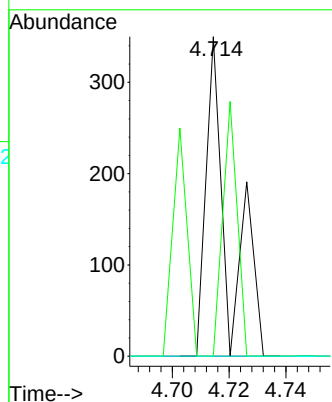


#14
 Allyl chloride
 Concen: 1.151 ug/l
 RT: 4.714 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VD072646.D
 Acq: 20 Apr 2022 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 339

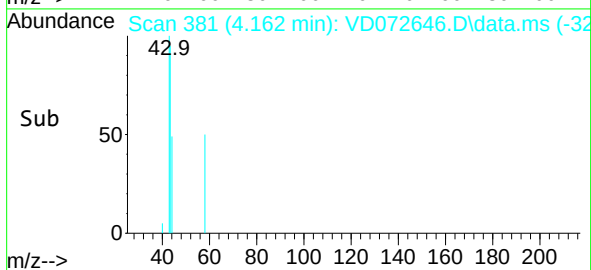
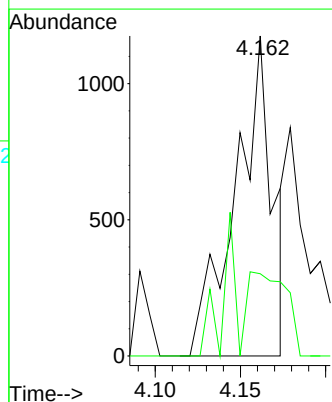
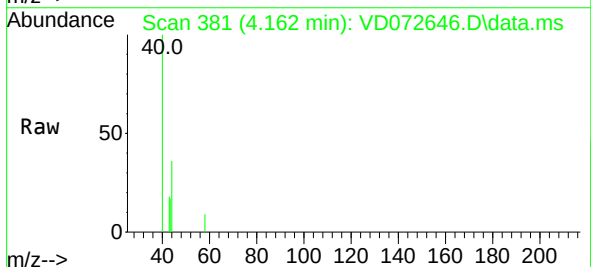


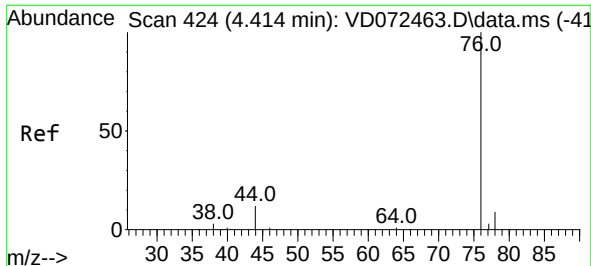
Tgt Ion: 41 Resp: 191
 Ion Ratio Lower Upper
 41 100
 39 51.3 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 1.618 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072646.D
 Acq: 20 Apr 2022 14:43

Tgt Ion: 43 Resp: 1771
 Ion Ratio Lower Upper
 43 100
 58 25.7 22.1 33.1

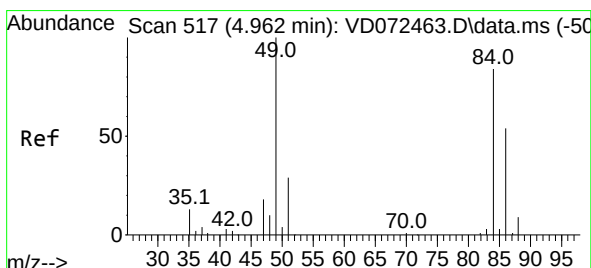
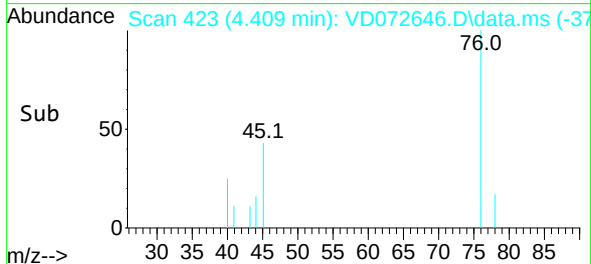
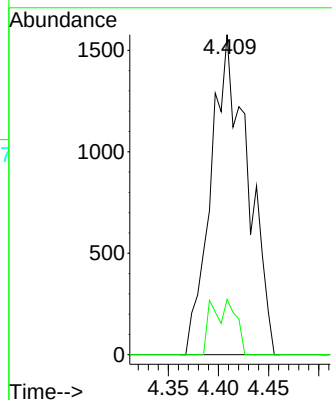
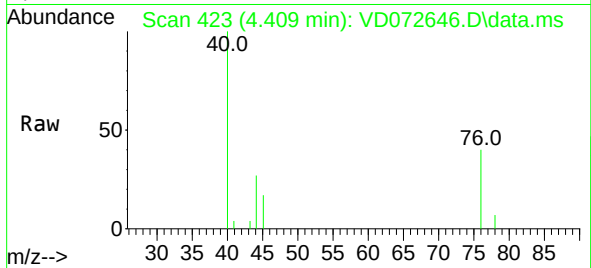




#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

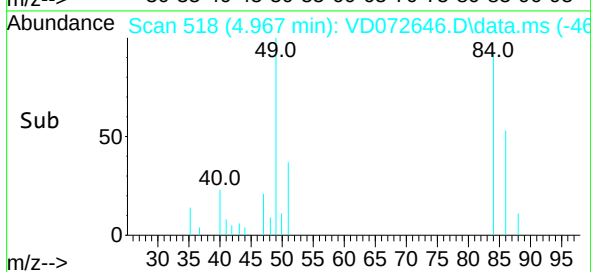
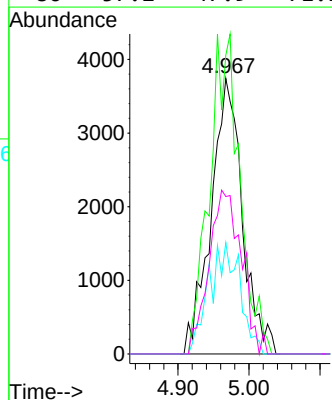
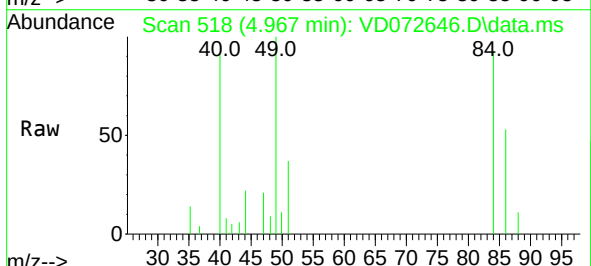
Instrument :
MSVOA_D
ClientSampleId :
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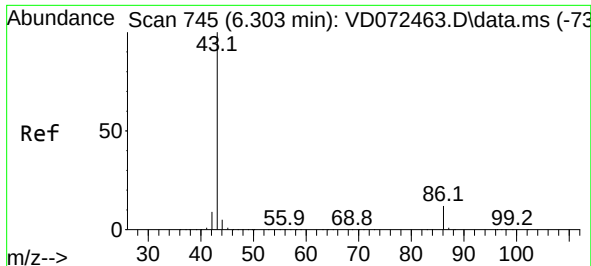
Tgt Ion: 76 Resp: 4035
Ion Ratio Lower Upper
76 100
78 17.2 7.5 11.3#



#20
Methylene Chloride
Concen: 1.754 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

Tgt Ion: 84 Resp: 11430
Ion Ratio Lower Upper
84 100
49 108.4 112.8 169.2#
51 40.4 32.6 48.8
86 57.2 47.9 71.9

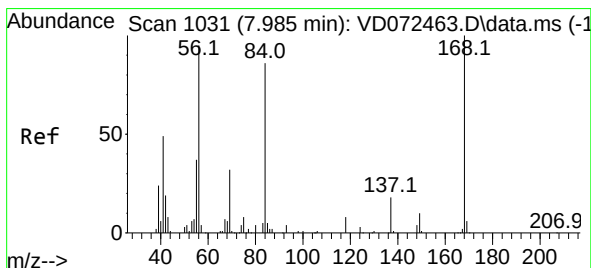
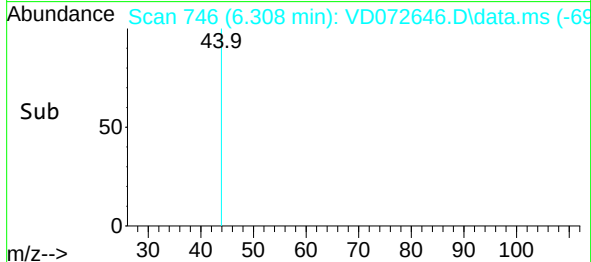
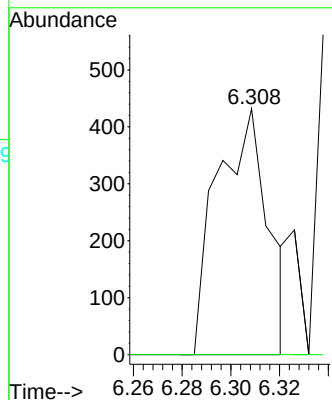
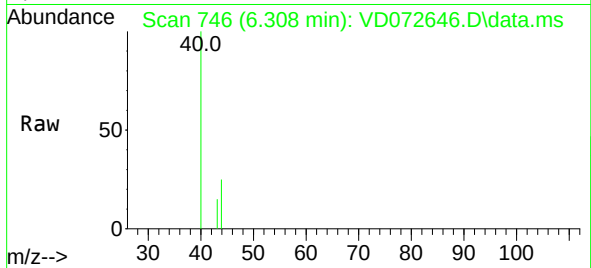




#23
 Vinyl Acetate
 Concen: 6.354 ug/l
 RT: 6.308 min Scan# 745
 Delta R.T. 0.005 min
 Lab File: VD072646.D
 Acq: 20 Apr 2022 14:43

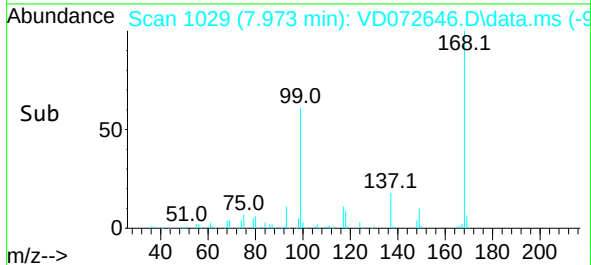
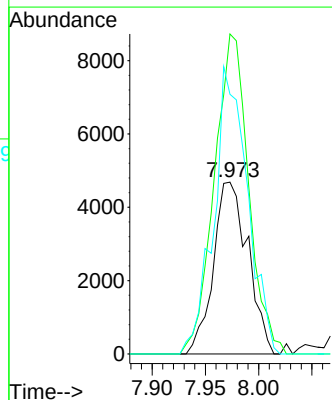
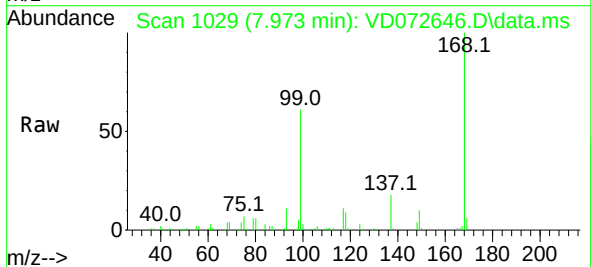
Instrument :
 MSVOA_D
 ClientSampleId :
 339

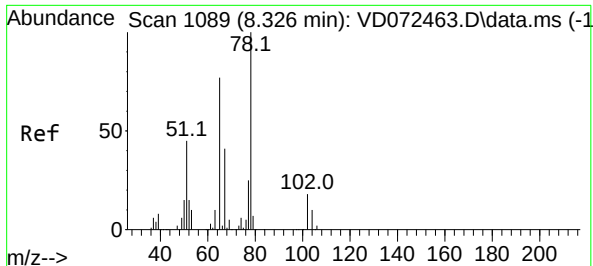
Tgt Ion: 43 Resp: 633
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.378 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD072646.D
 Acq: 20 Apr 2022 14:43

Tgt Ion: 56 Resp: 10580
 Ion Ratio Lower Upper
 56 100
 69 186.1 25.4 38.2#
 84 151.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.297 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072646.D

Acq: 20 Apr 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :

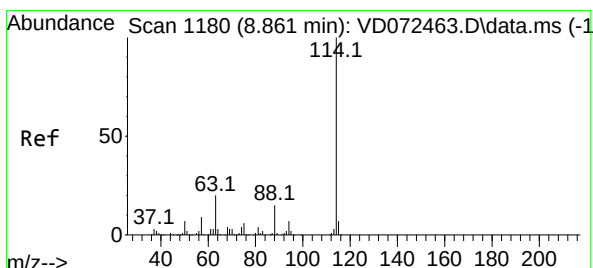
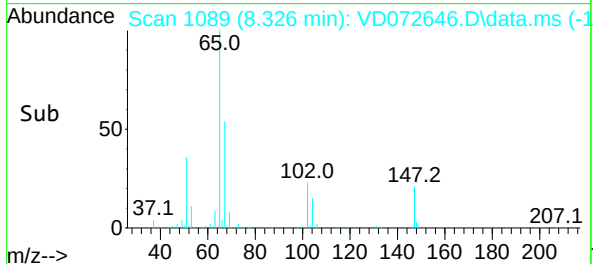
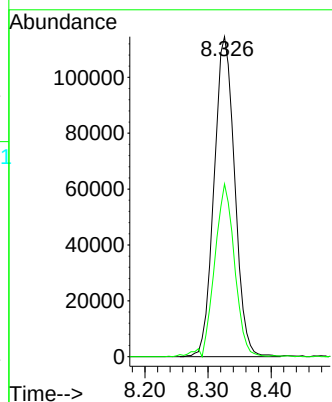
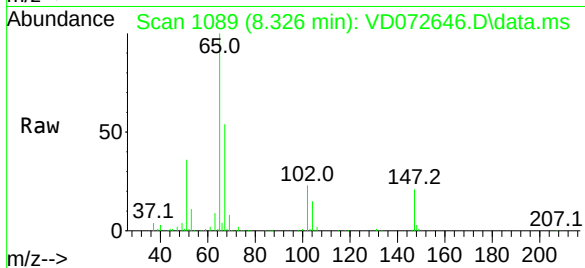
339

Tgt Ion: 65 Resp: 260087

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072646.D

Acq: 20 Apr 2022 14:43

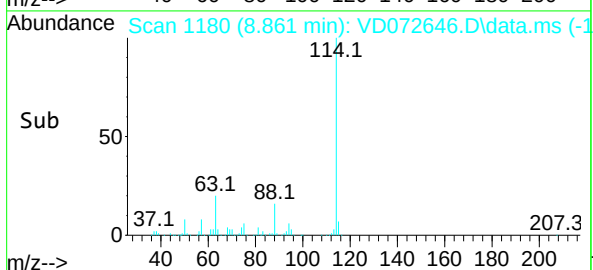
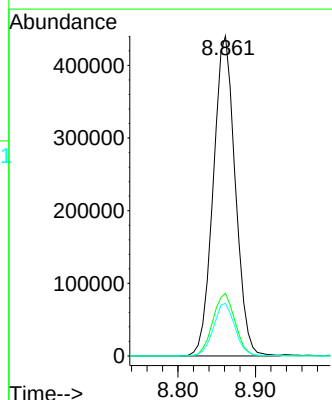
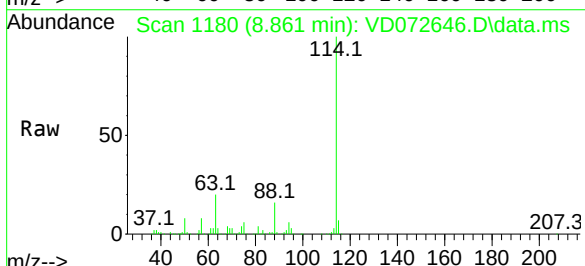
Tgt Ion: 114 Resp: 869009

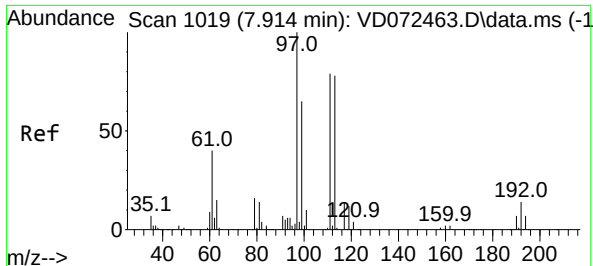
Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

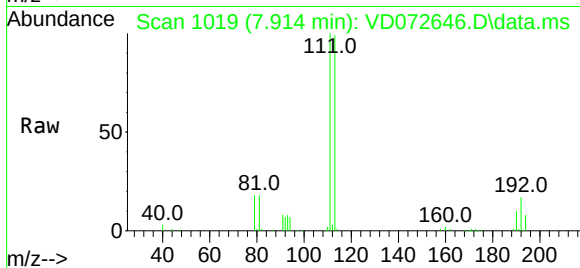
88 16.5 0.0 33.2



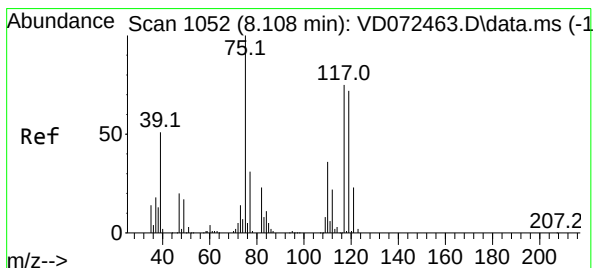
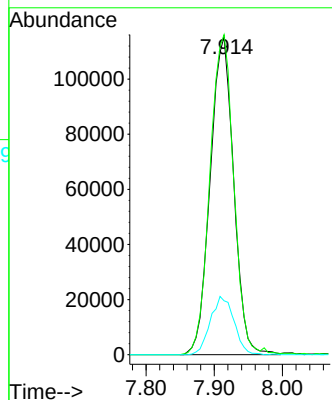
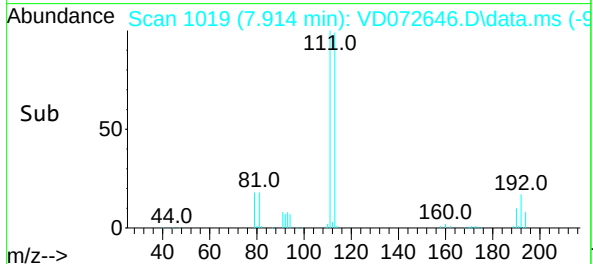


#35
Dibromofluoromethane
Concen: 40.863 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

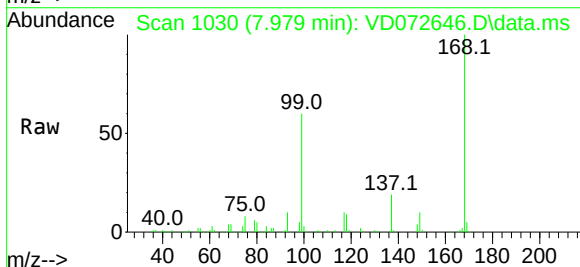
Instrument :
MSVOA_D
ClientSampleId :
339



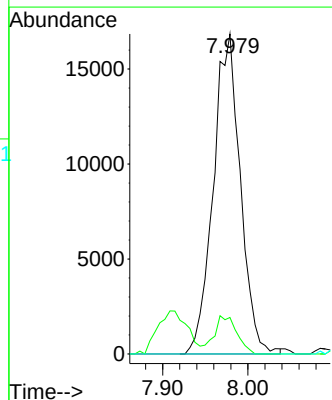
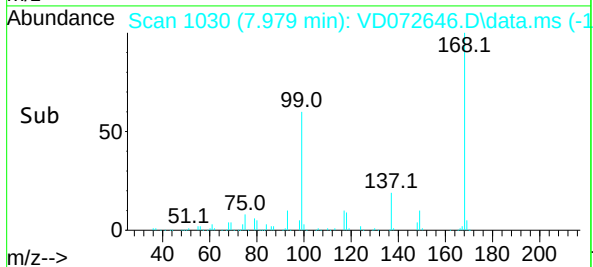
Tgt Ion:113 Resp: 275967
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 18.5 14.6 21.8

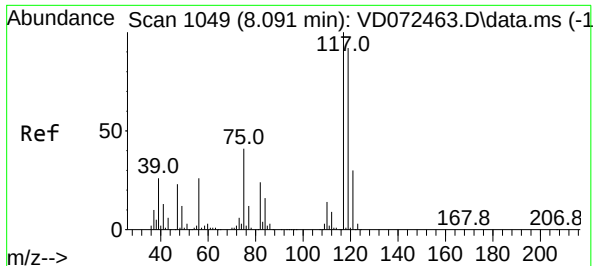


#36
1,1-Dichloropropene
Concen: 5.339 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43



Tgt Ion: 75 Resp: 37212
Ion Ratio Lower Upper
75 100
110 10.1 16.4 49.1#
77 0.0 24.2 36.2#

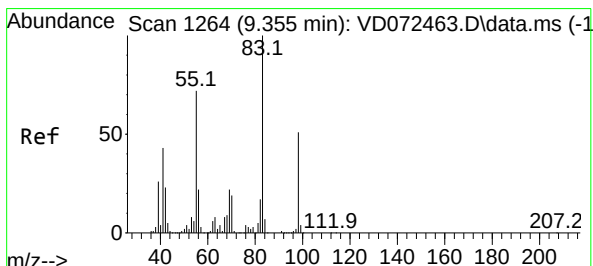
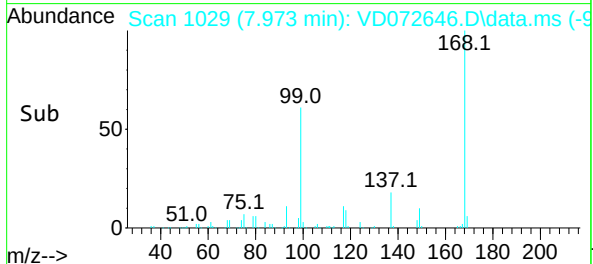
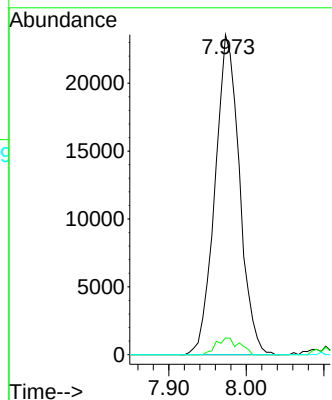
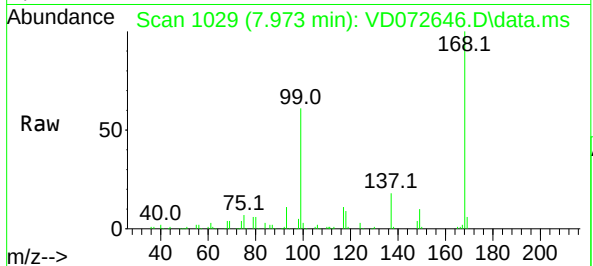




#38
Carbon Tetrachloride
Concen: 5.555 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

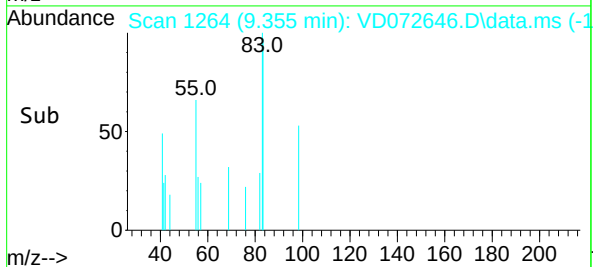
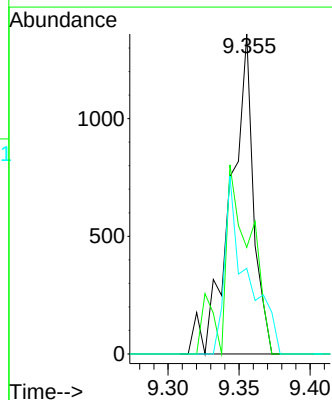
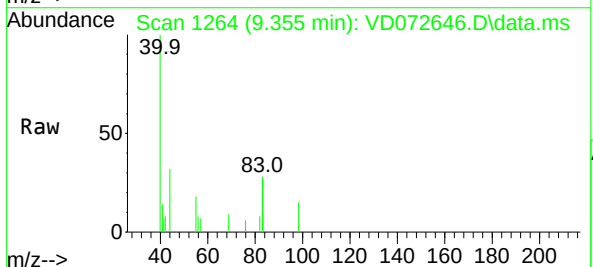
Instrument :
MSVOA_D
ClientSampleId :
339

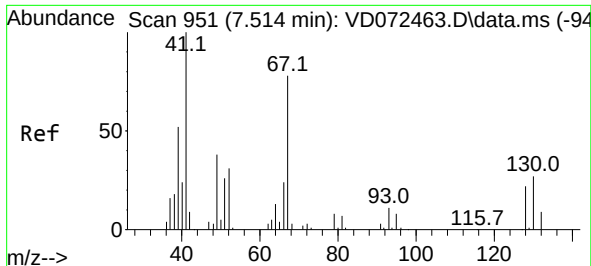
Tgt Ion:117 Resp: 51682
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 3.021 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

Tgt Ion: 83 Resp: 1536
Ion Ratio Lower Upper
83 100
55 33.3 63.2 94.8#
98 26.8 38.2 57.4#

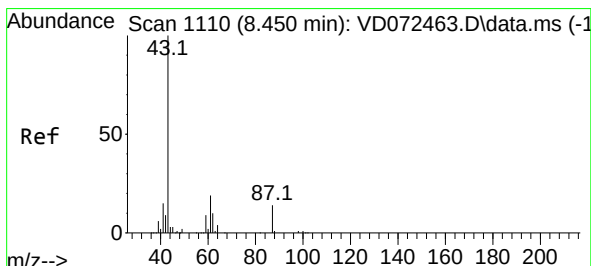
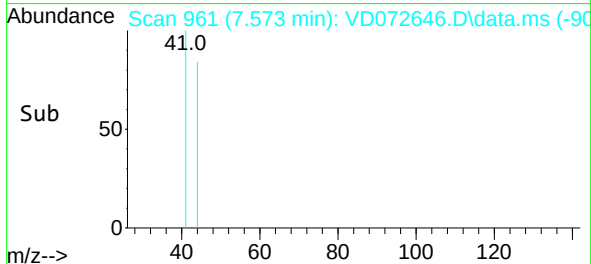
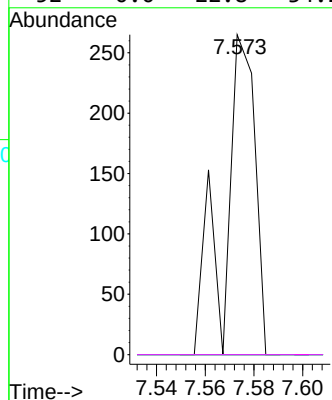
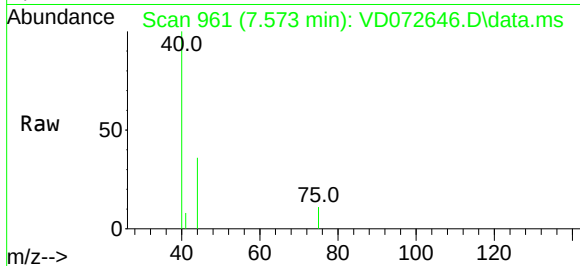




#41
Methacrylonitrile
Concen: 1.764 ug/l
RT: 7.573 min Scan# 90
Delta R.T. 0.059 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

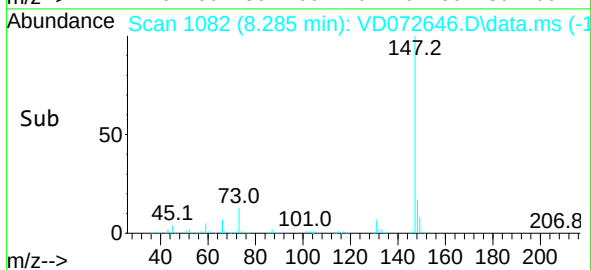
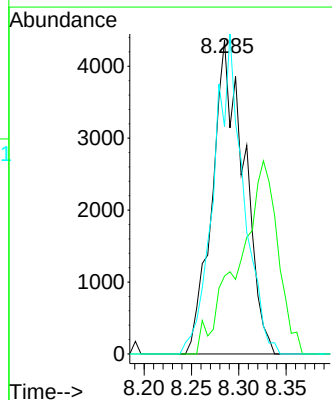
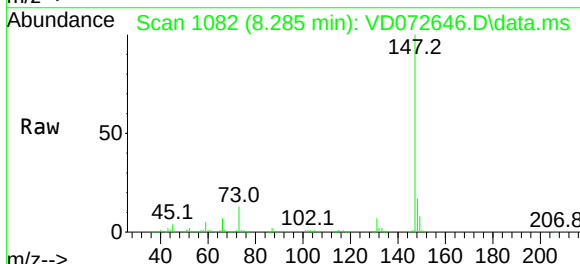
Instrument :
MSVOA_D
ClientSampleId :
339

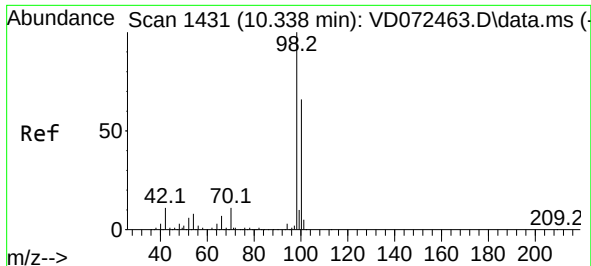
Tgt Ion: 41	Resp:	230
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 1.499 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

Tgt Ion: 43	Resp:	10287
Ion	Ratio	Lower Upper
43	100	
61	0.0	22.4 33.6#
87	94.1	8.7 13.1#

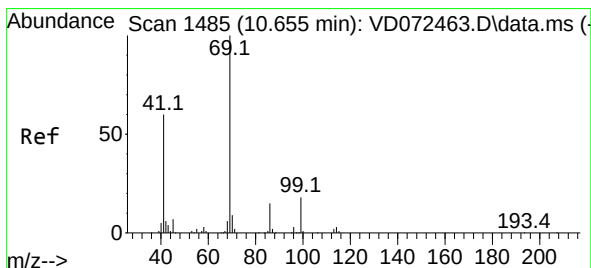
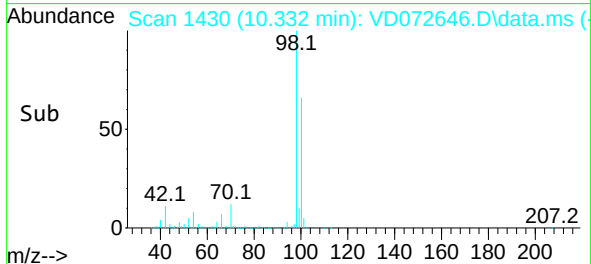
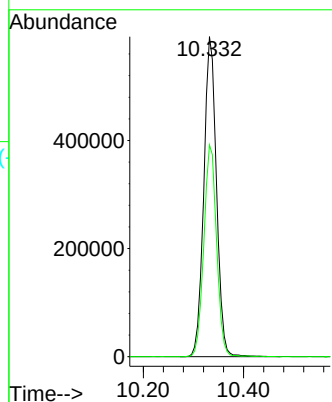
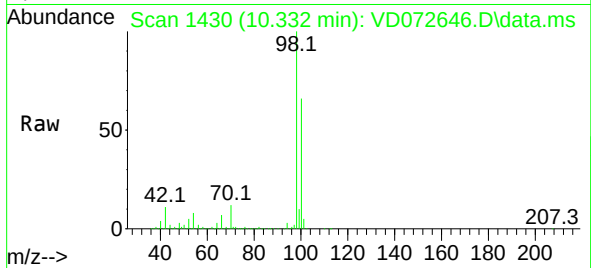




#50
Toluene-d8
Concen: 44.217 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

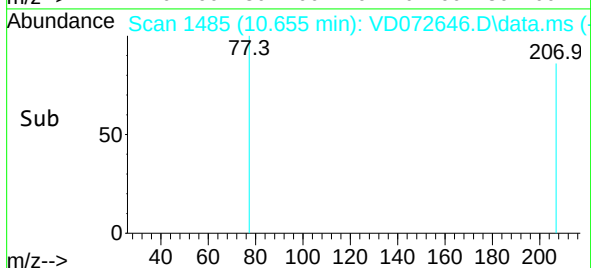
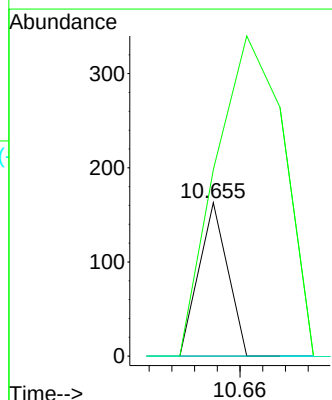
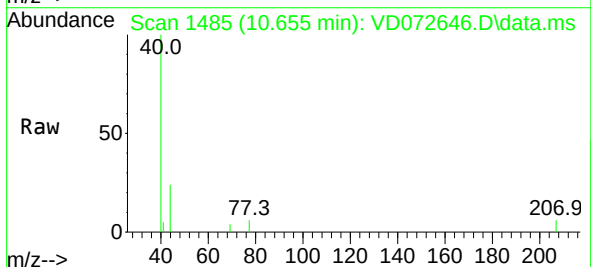
Instrument :
MSVOA_D
ClientSampleId :
339

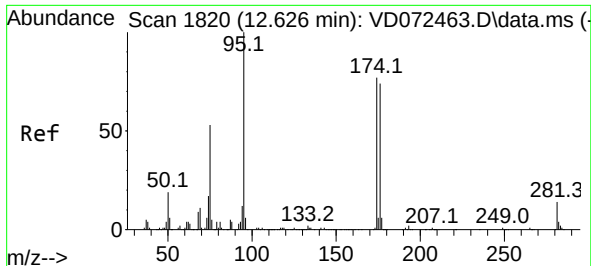
Tgt Ion: 98 Resp: 1038012
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.200 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 487.9 63.0 94.6#
39 0.0 33.8 50.8#

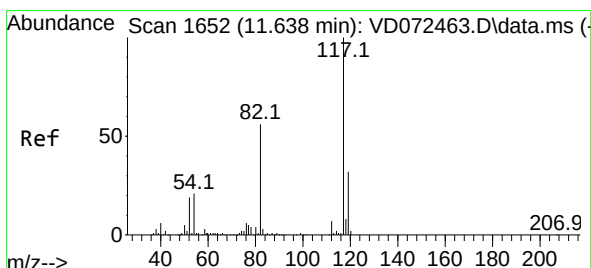
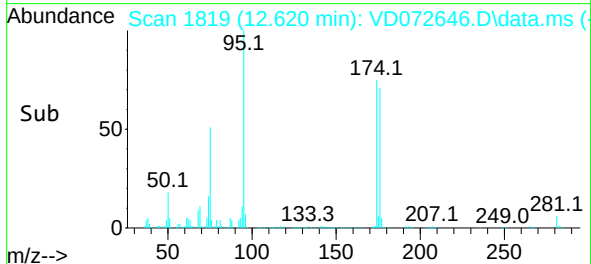
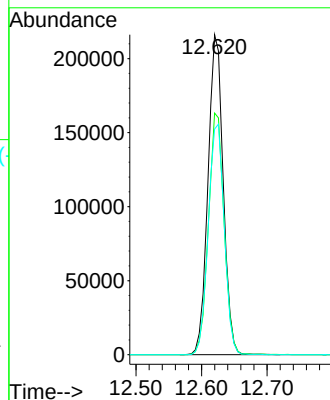
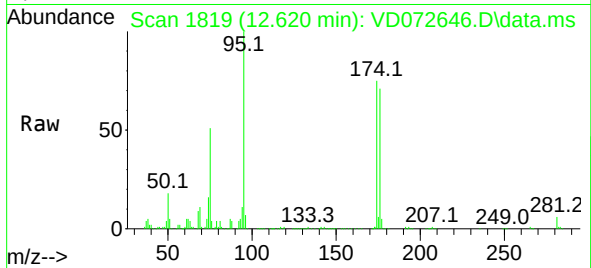




#62
4-Bromofluorobenzene
Concen: 38.092 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

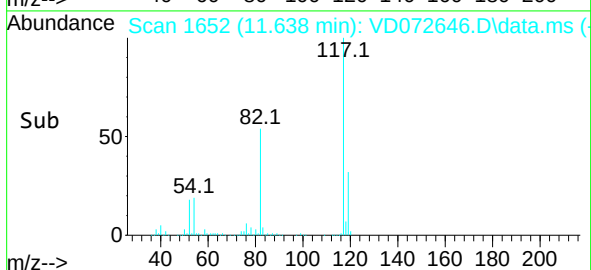
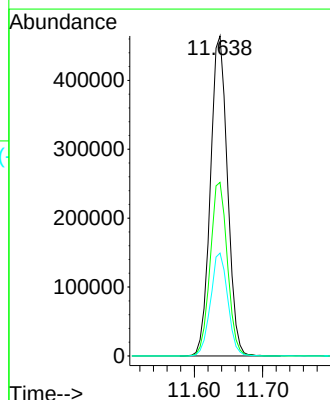
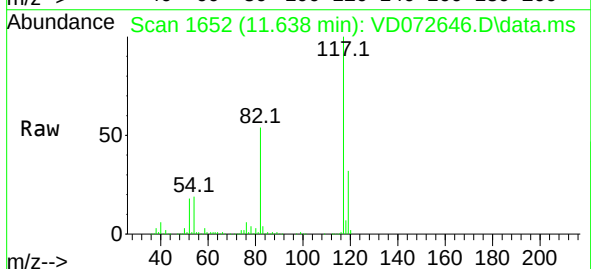
Instrument :
MSVOA_D
ClientSampleId :
339

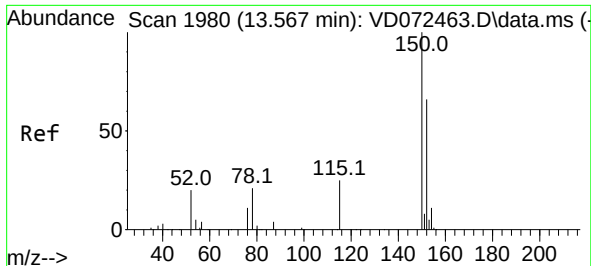
Tgt Ion: 95 Resp: 349233
Ion Ratio Lower Upper
95 100
174 77.2 0.0 152.8
176 75.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

Tgt Ion: 117 Resp: 809356
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 32.2 26.6 40.0

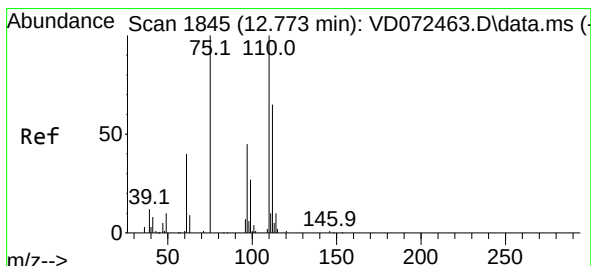
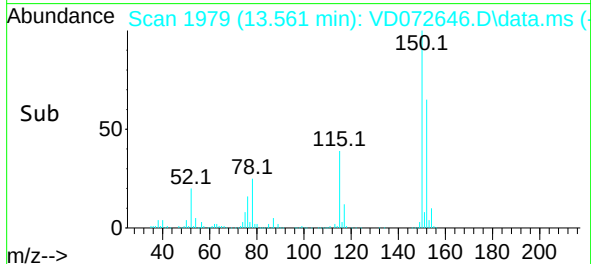
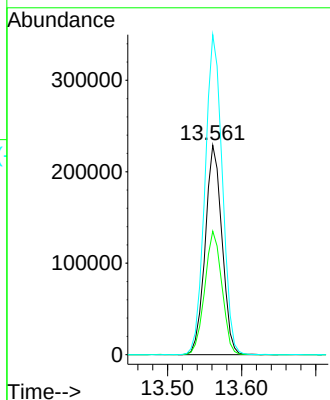
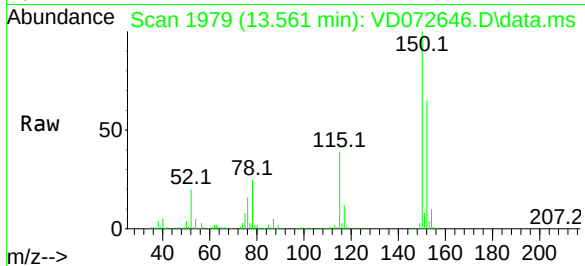




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

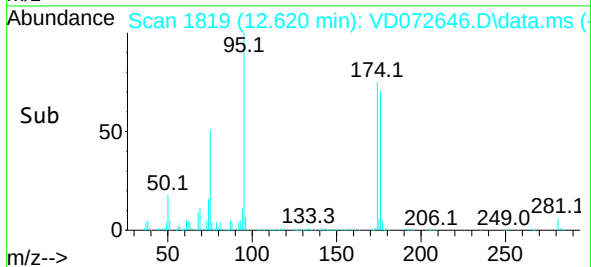
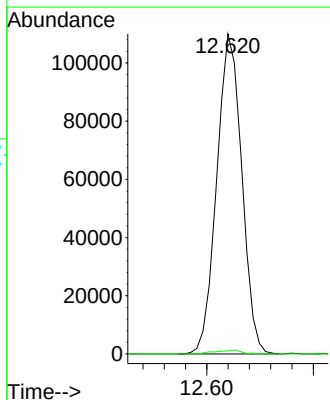
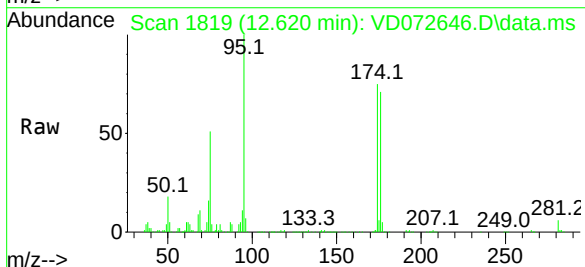
Instrument :
MSVOA_D
ClientSampleId :
339

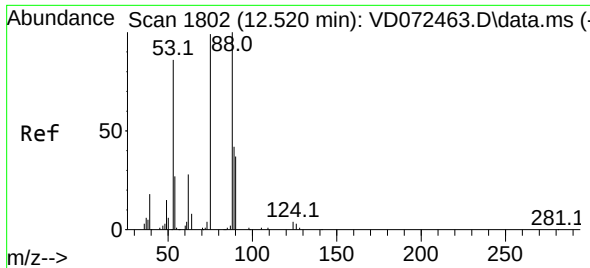
Tgt Ion:152 Resp: 360522
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 157.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.610 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072646.D
Acq: 20 Apr 2022 14:43

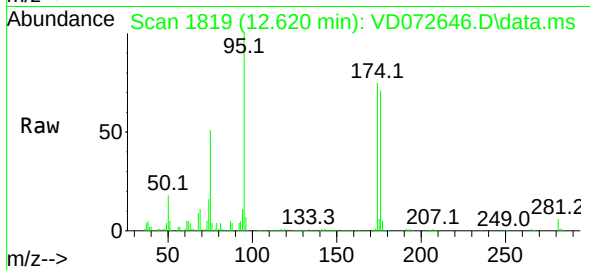
Tgt Ion: 75 Resp: 179341
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.918 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072646.D
 Acq: 20 Apr 2022 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 339



Tgt Ion: 75 Resp: 179341
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

