

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033122\
 Data File : VD072491.D
 Acq On : 31 Mar 2022 15:48
 Operator : VA/SY
 Sample : N2150-05
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 337

Quant Time: Apr 01 02:50:40 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)

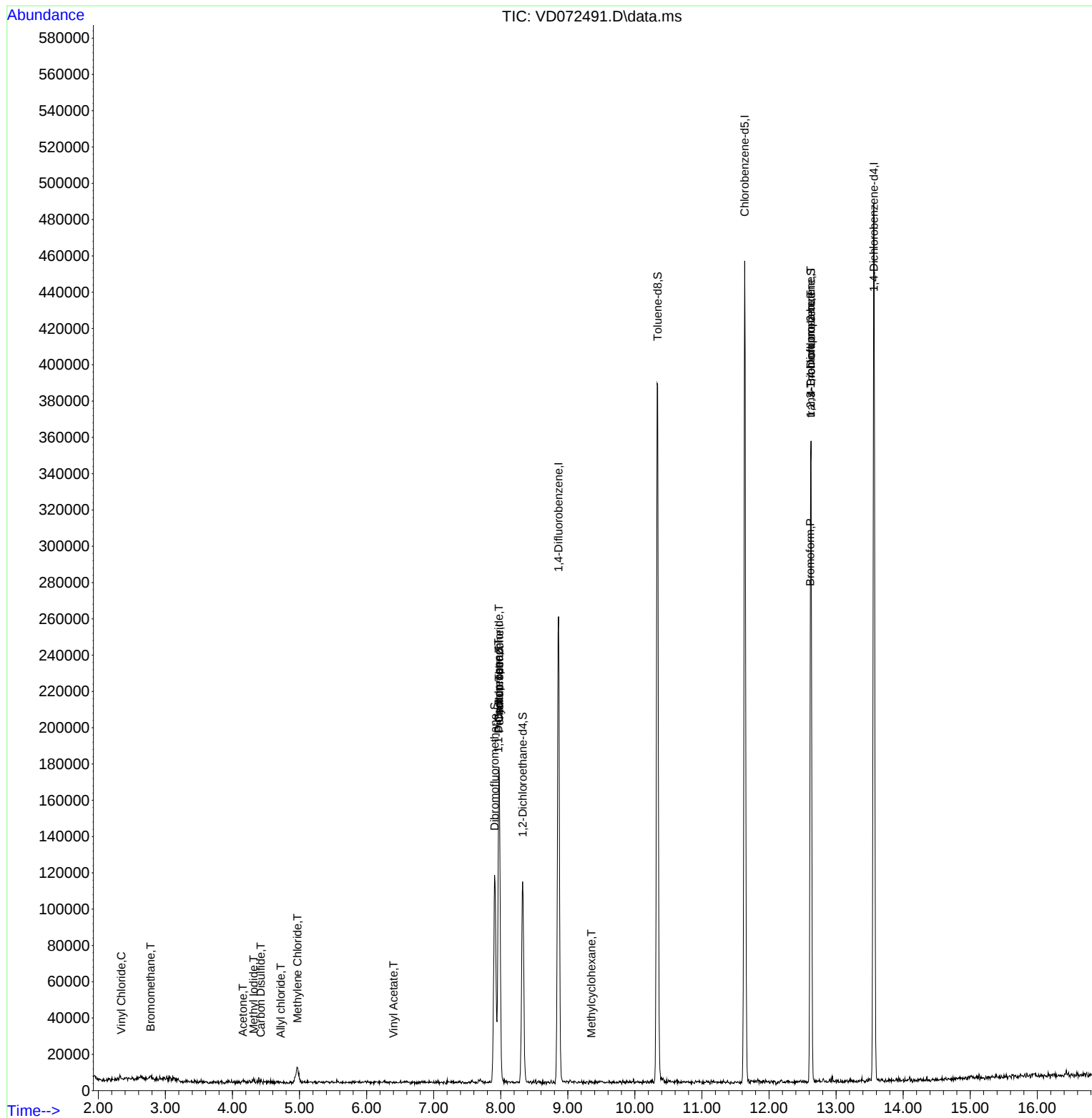
Internal Standards						
1) Pentafluorobenzene	7.979	168	125905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	222791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	261861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	133374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	87811	57.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.300%
35) Dibromofluoromethane	7.909	113	84624	48.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.338	98	279211	46.393	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.780%
62) 4-Bromofluorobenzene	12.626	95	120245	51.158	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.320%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.344	62	55	1.001	ug/l #	43
5) Bromomethane	2.779	94	773	1.085	ug/l	96
10) Methyl Iodide	4.315	142	907	4.354	ug/l #	84
14) Allyl chloride	4.721	41	56	1.154	ug/l #	22
16) Acetone	4.156	43	1475	5.194	ug/l #	47
17) Carbon Disulfide	4.421	76	349	3.758	ug/l #	74
20) Methylene Chloride	4.968	84	6227	3.683	ug/l #	57
23) Vinyl Acetate	6.403	43	55	6.311	ug/l #	75
31) Cyclohexane	7.973	56	2931	1.472	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	10074	5.575	ug/l #	50
38) Carbon Tetrachloride	7.973	117	13718	5.751	ug/l #	18
39) Methylcyclohexane	9.350	83	124	2.922	ug/l #	17
71) Bromoform	12.614	173	1244	1.003	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	60785	41.786	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	60785	102.536	ug/l #	7

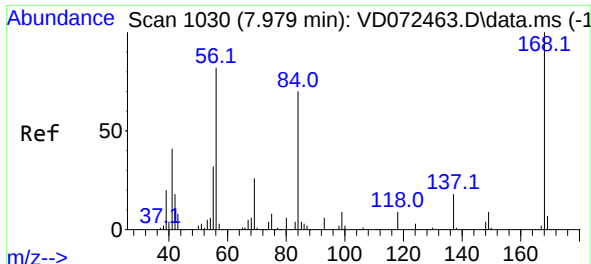
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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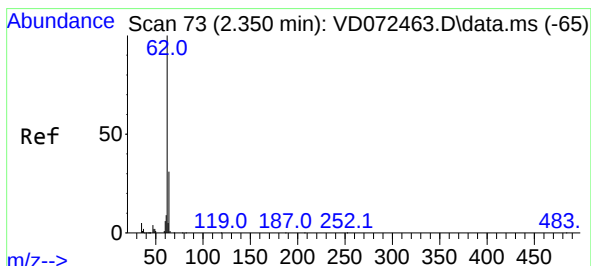
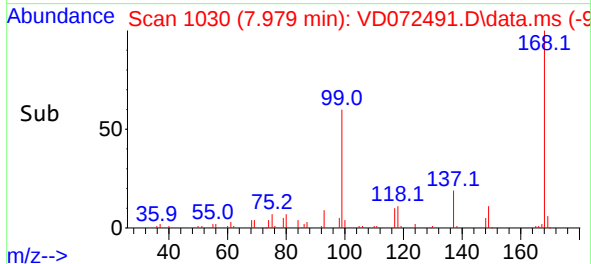
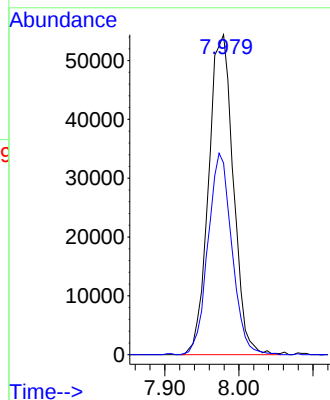
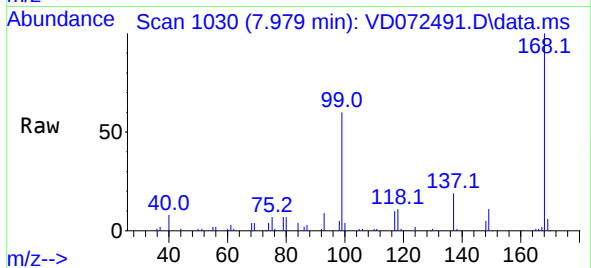




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

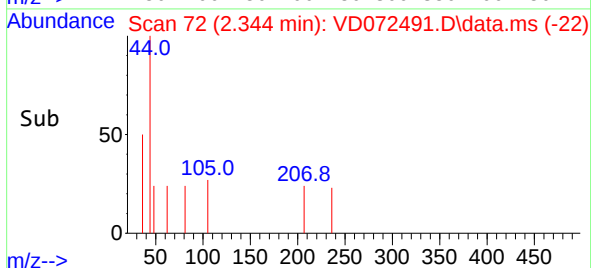
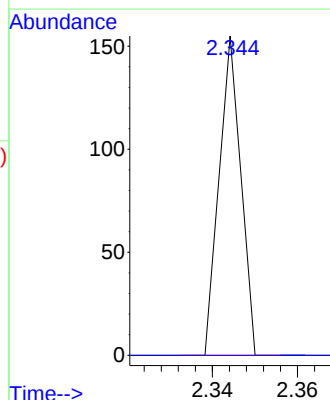
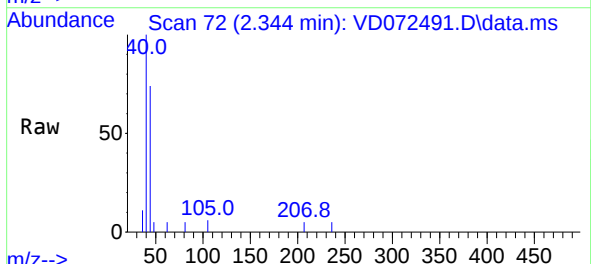
Instrument :
MSVOA_D
ClientSampleId :
337

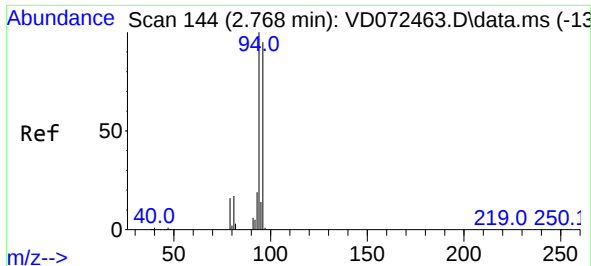
Tgt Ion:168 Resp: 125905
Ion Ratio Lower Upper
168 100
99 59.9 49.8 74.6



#4
Vinyl Chloride
Concen: 1.001 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion: 62 Resp: 55
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

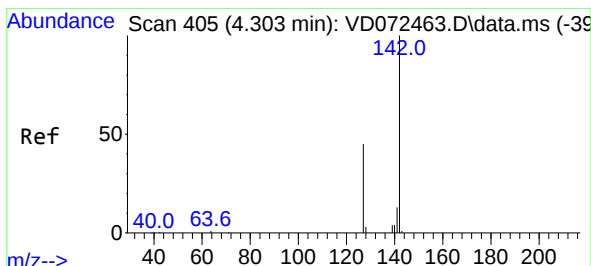
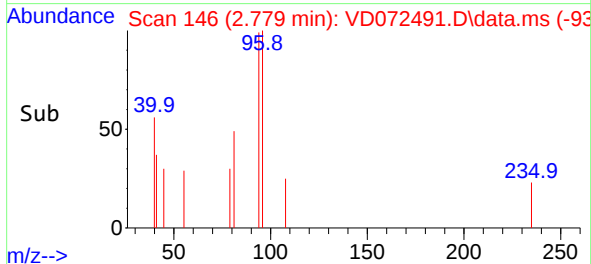
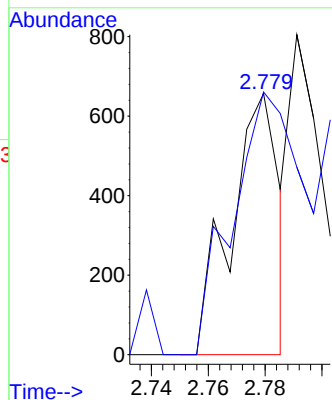
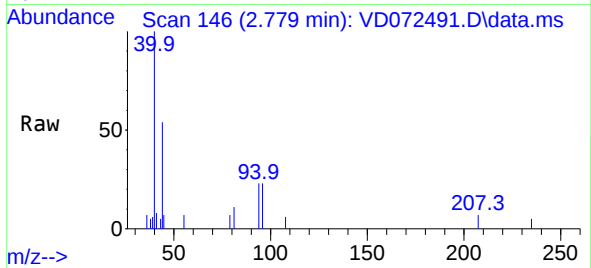




#5
Bromomethane
Concen: 1.085 ug/l
RT: 2.779 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

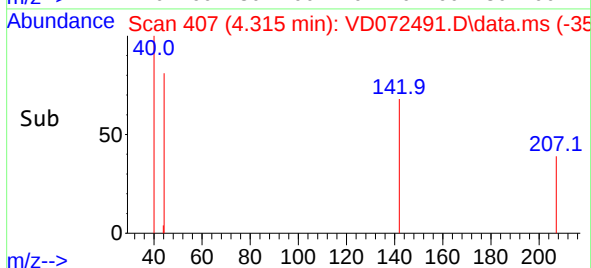
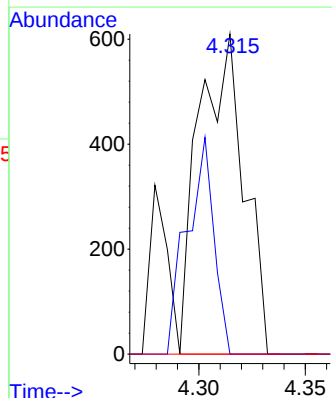
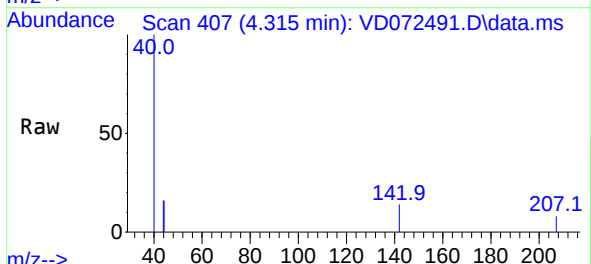
Instrument :
MSVOA_D
ClientSampleId :
337

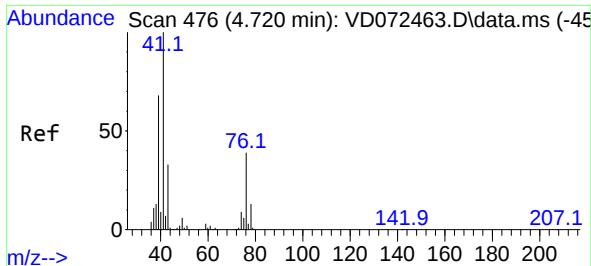
Tgt Ion: 94 Resp: 773
Ion Ratio Lower Upper
94 100
96 100.6 77.6 116.4



#10
Methyl Iodide
Concen: 4.354 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion:142 Resp: 907
Ion Ratio Lower Upper
142 100
127 40.2 37.3 55.9
141 0.0 11.7 17.5#





#14

Allyl chloride

Concen: 1.154 ug/l

RT: 4.721 min Scan# 41

Delta R.T. 0.001 min

Lab File: VD072491.D

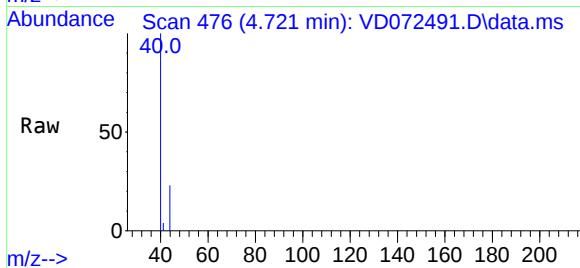
Acq: 31 Mar 2022 15:48

Instrument :

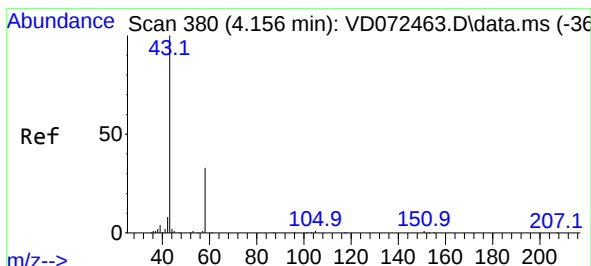
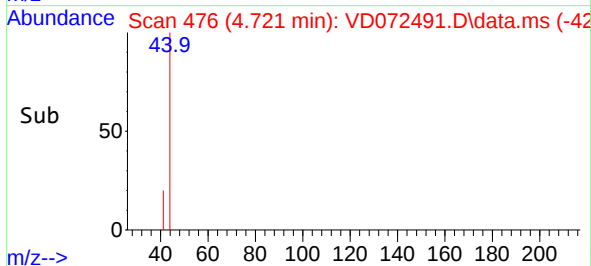
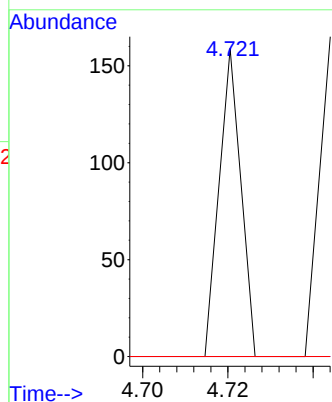
MSVOA_D

ClientSampleId :

337



Tgt Ion:	41	Resp:	56
Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
76	0.0	25.7	38.5#



#16

Acetone

Concen: 5.194 ug/l

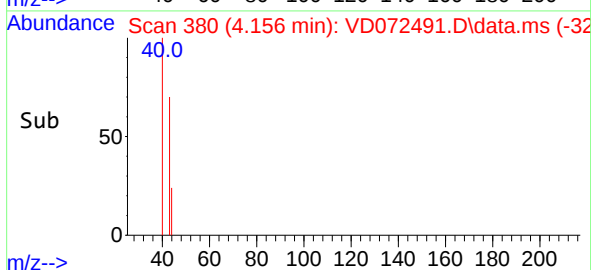
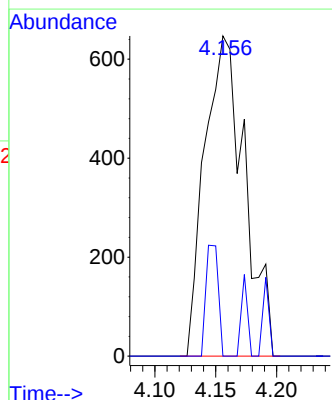
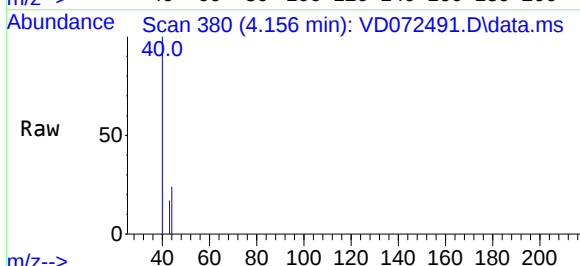
RT: 4.156 min Scan# 380

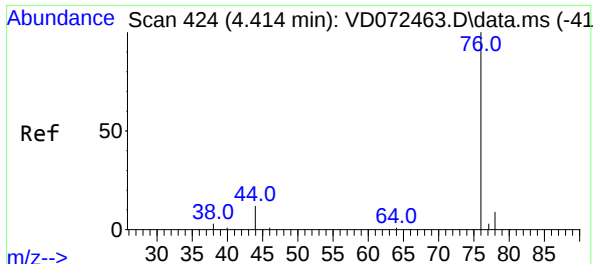
Delta R.T. 0.000 min

Lab File: VD072491.D

Acq: 31 Mar 2022 15:48

Tgt Ion:	43	Resp:	1475
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#





#17

Carbon Disulfide

Concen: 3.758 ug/l

RT: 4.421 min Scan# 41

Delta R.T. 0.007 min

Lab File: VD072491.D

Acq: 31 Mar 2022 15:48

Instrument :

MSVOA_D

ClientSampleId :

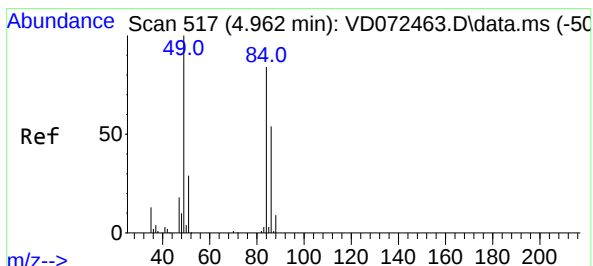
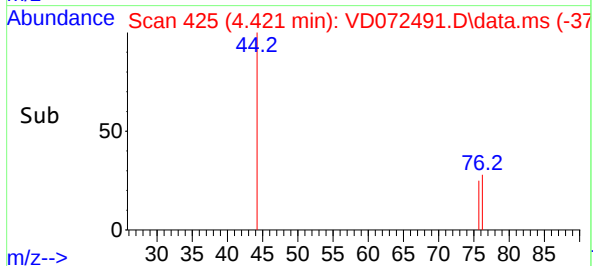
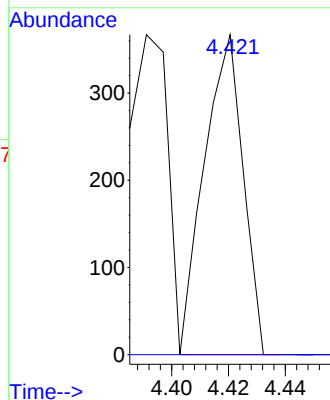
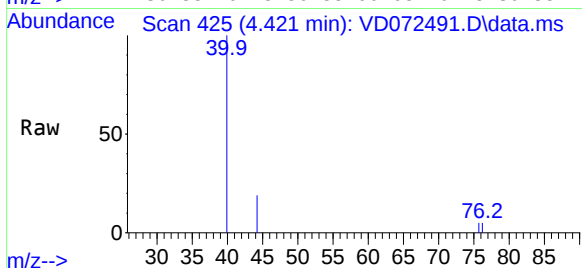
337

Tgt Ion: 76 Resp: 349

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: 3.683 ug/l

RT: 4.968 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD072491.D

Acq: 31 Mar 2022 15:48

Tgt Ion: 84 Resp: 6227

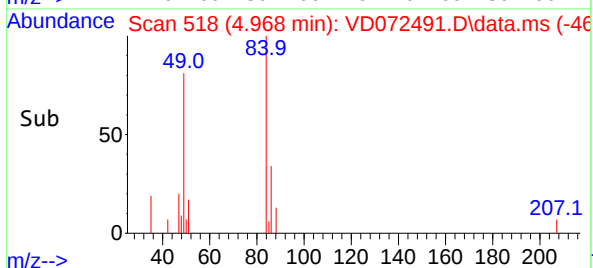
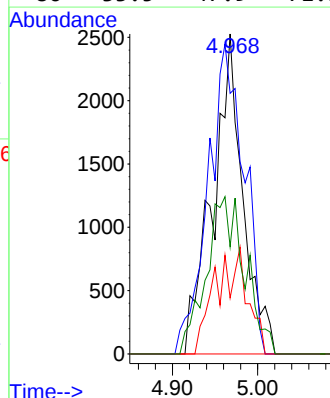
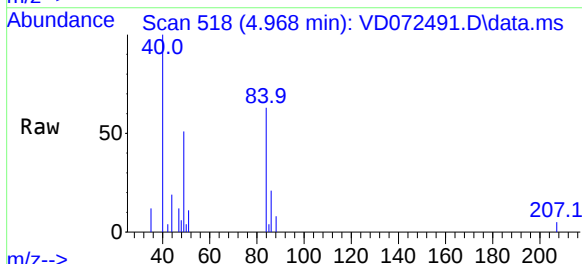
Ion Ratio Lower Upper

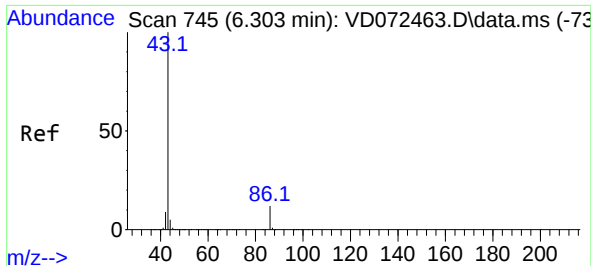
84 100

49 81.4 112.8 169.2#

51 17.5 32.6 48.8#

86 33.5 47.9 71.9#

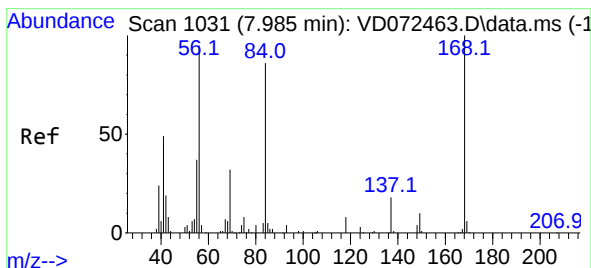
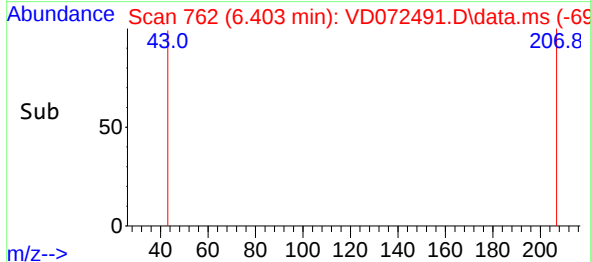
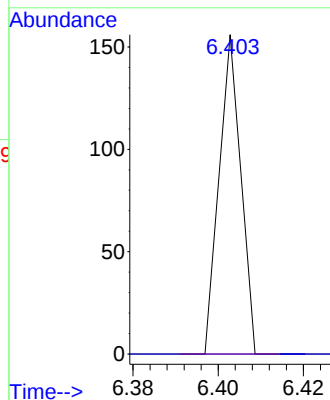
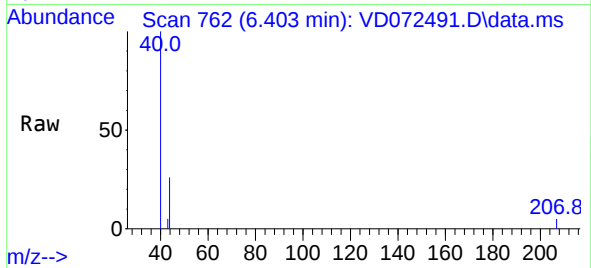




#23
 Vinyl Acetate
 Concen: 6.311 ug/l
 RT: 6.403 min Scan# 70
 Delta R.T. 0.100 min
 Lab File: VD072491.D
 Acq: 31 Mar 2022 15:48

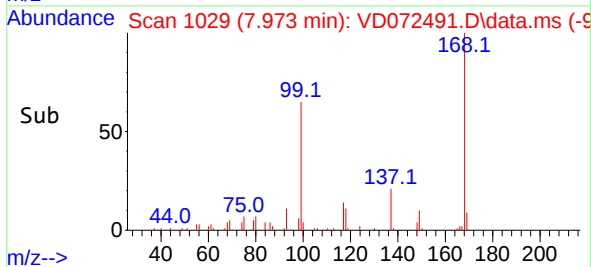
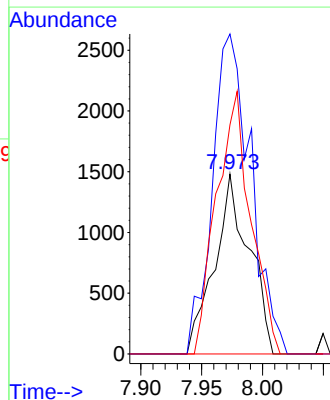
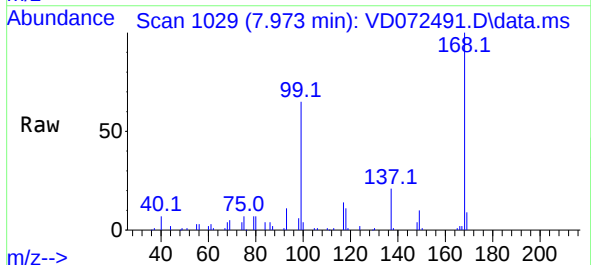
Instrument :
 MSVOA_D
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 337

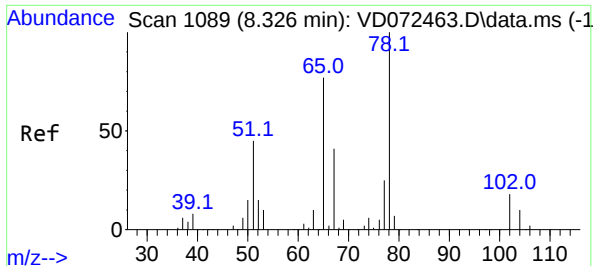
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.472 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD072491.D
 Acq: 31 Mar 2022 15:48

Tgt Ion: 56 Resp: 2931
 Ion Ratio Lower Upper
 56 100
 69 178.0 25.4 38.2#
 84 127.4 63.0 94.4#

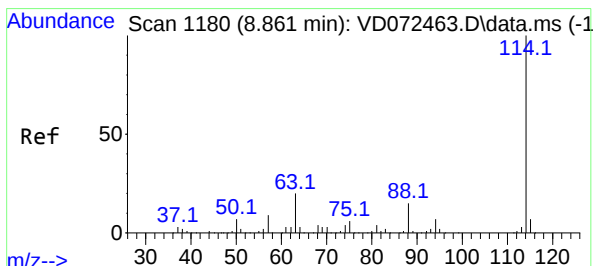
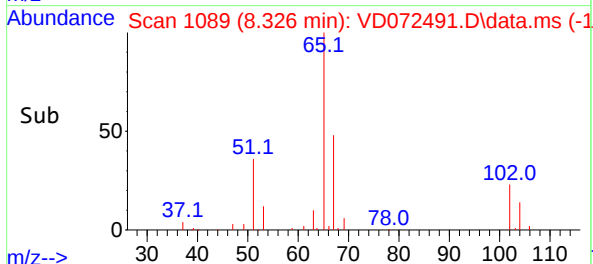
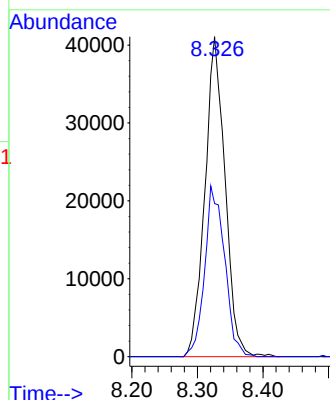
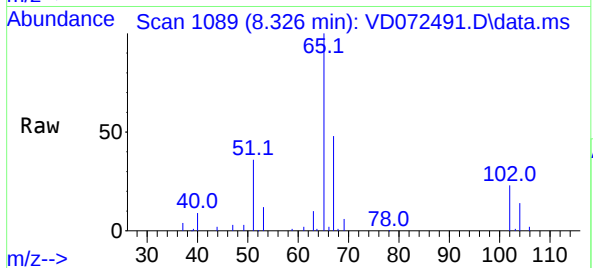




#33
1,2-Dichloroethane-d4
Concen: 57.654 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

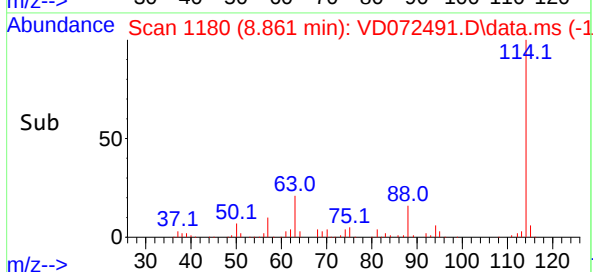
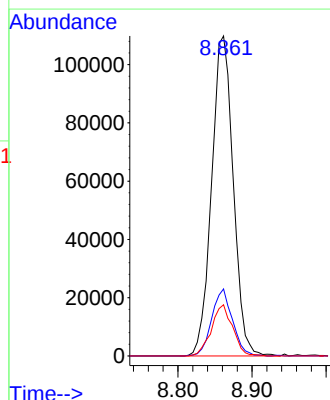
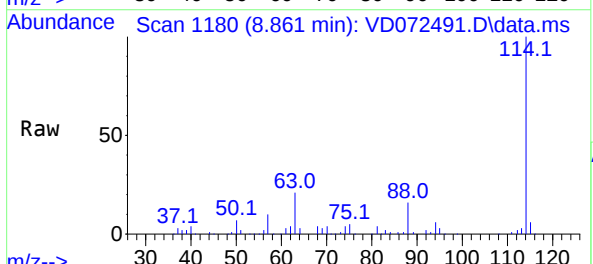
Instrument :
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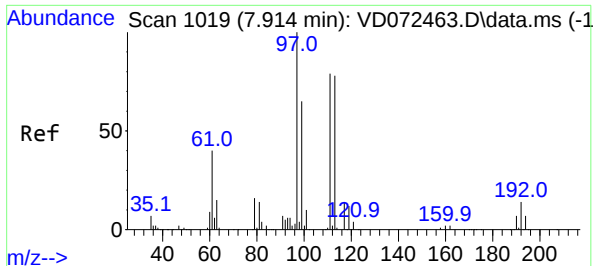
Tgt Ion: 65 Resp: 87811
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion: 114 Resp: 222791
Ion Ratio Lower Upper
114 100
63 20.9 0.0 46.6
88 16.0 0.0 33.2

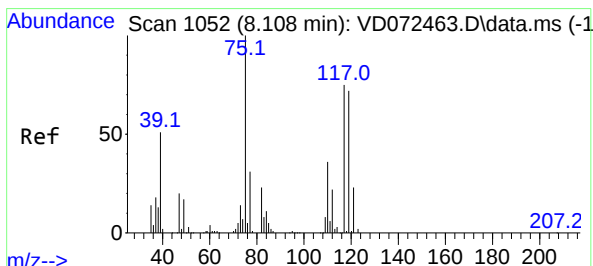
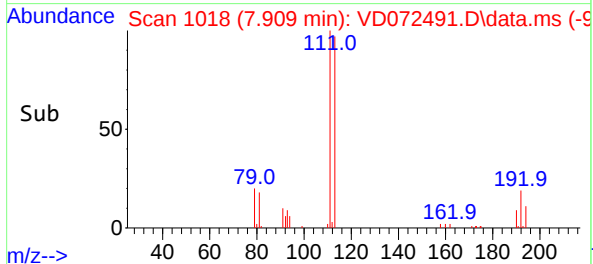
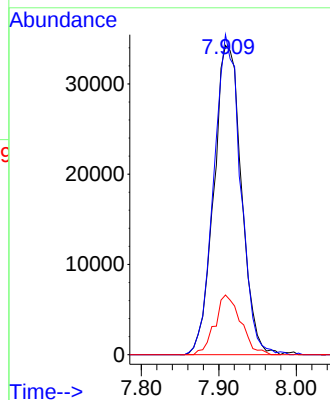
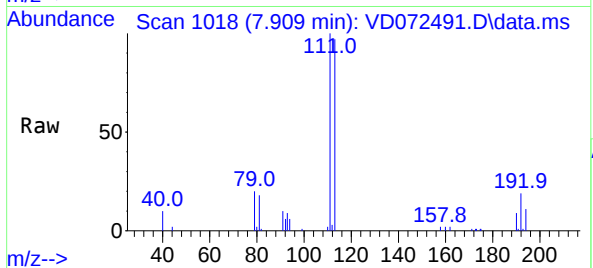




#35
Dibromofluoromethane
Concen: 48.876 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

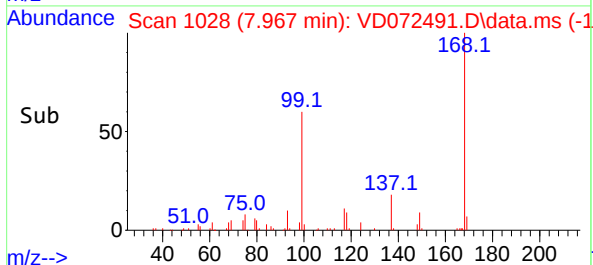
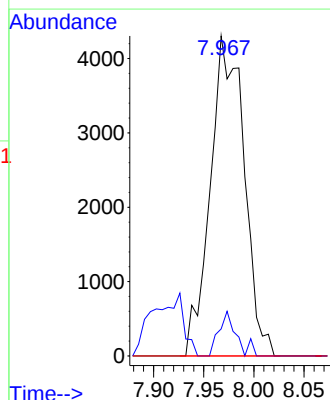
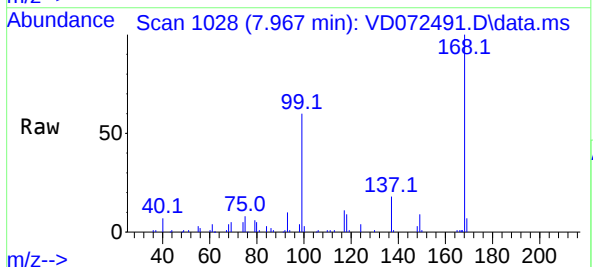
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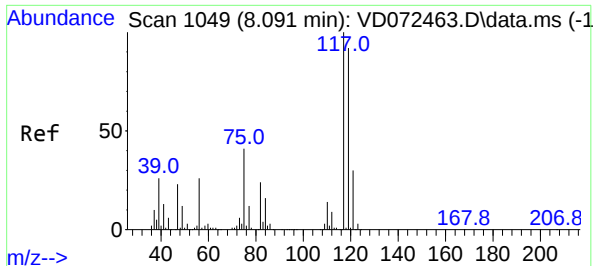
Tgt Ion:113 Resp: 84624
Ion Ratio Lower Upper
113 100
111 100.8 83.8 125.6
192 18.2 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.575 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion: 75 Resp: 10074
Ion Ratio Lower Upper
75 100
110 7.2 16.4 49.1#
77 0.0 24.2 36.2#

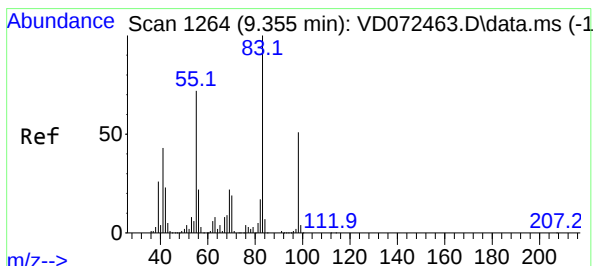
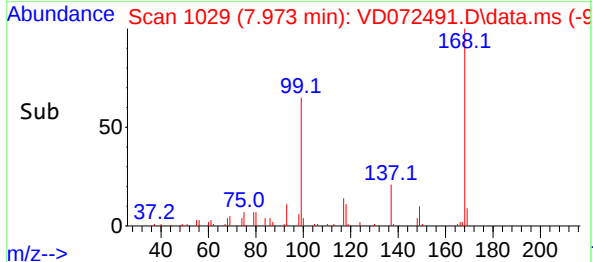
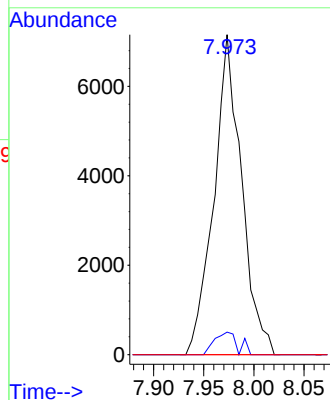
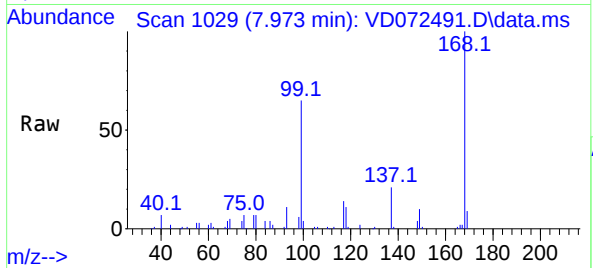




#38
Carbon Tetrachloride
Concen: 5.751 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

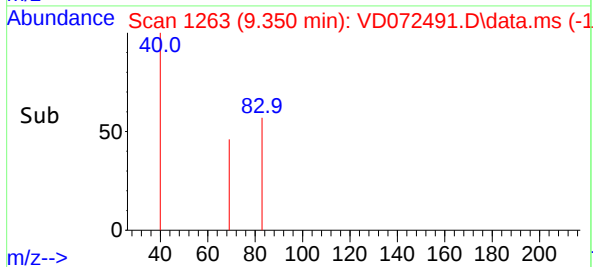
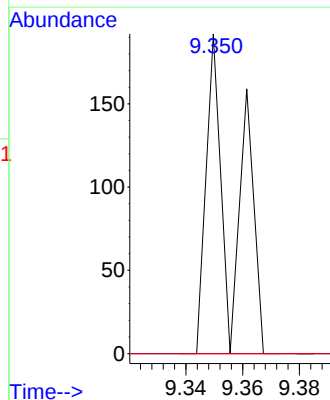
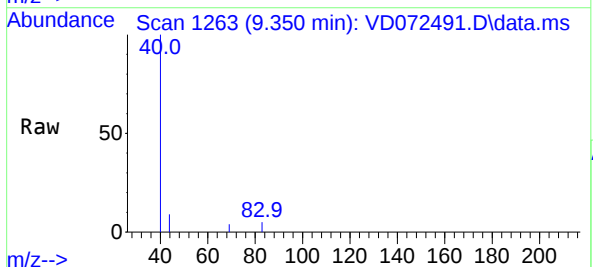
Instrument :
MSVOA_D
ClientSampleId :
337

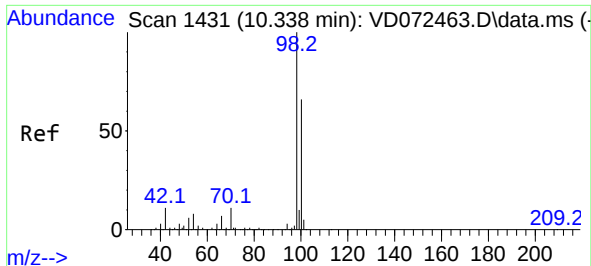
Tgt Ion:117 Resp: 13718
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.922 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion: 83 Resp: 124
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

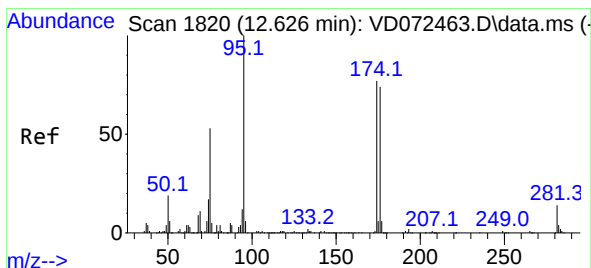
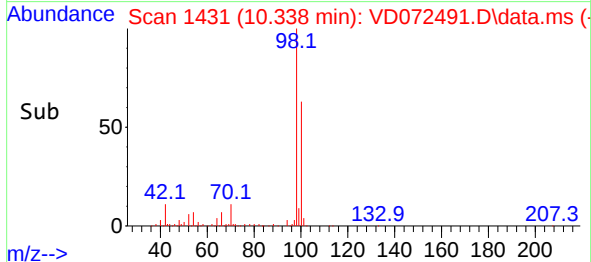
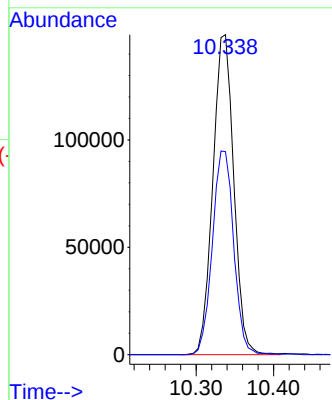
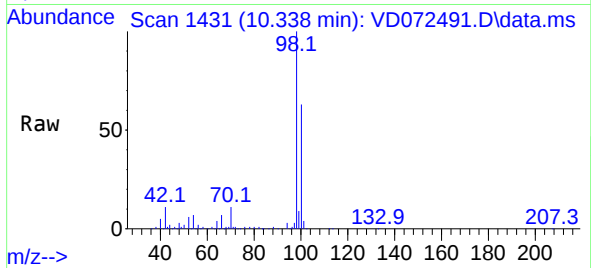




#50
Toluene-d8
Concen: 46.393 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

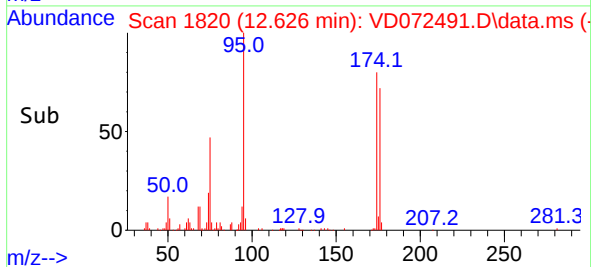
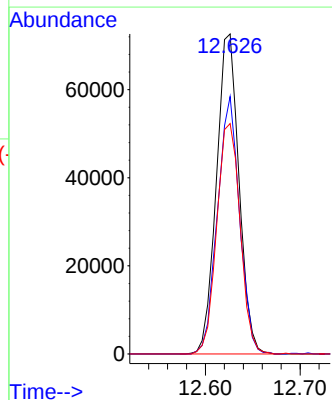
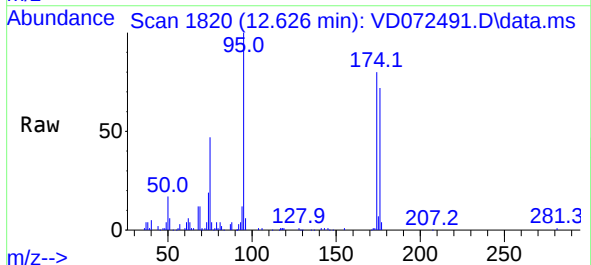
Instrument :
MSVOA_D
ClientSampleId :
337

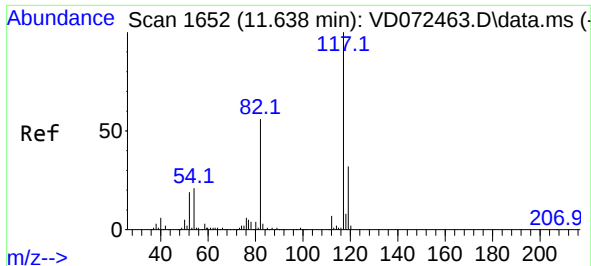
Tgt Ion: 98 Resp: 279211
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.158 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion: 95 Resp: 120245
Ion Ratio Lower Upper
95 100
174 78.5 0.0 152.8
176 74.6 0.0 145.4

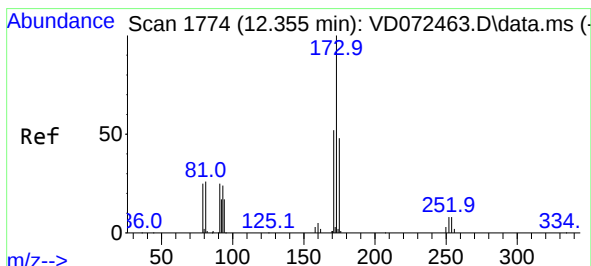
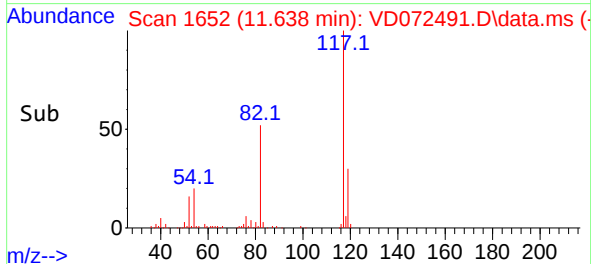
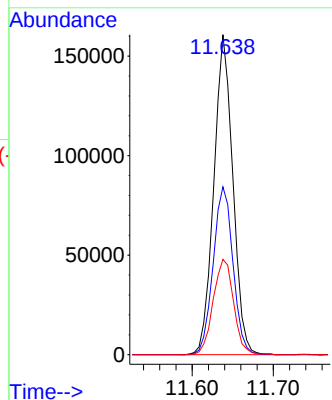
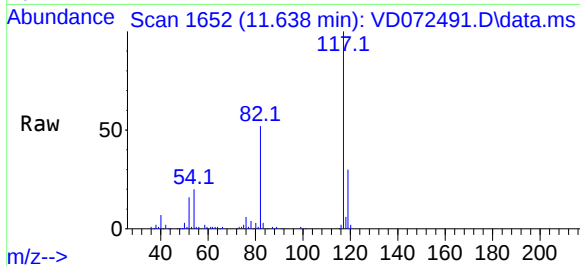




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

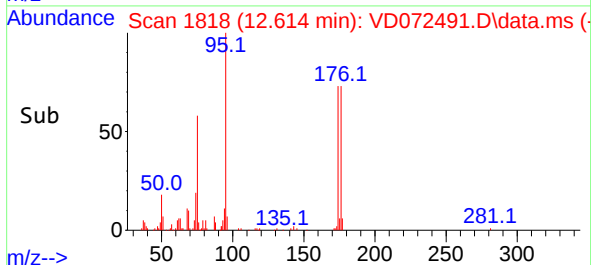
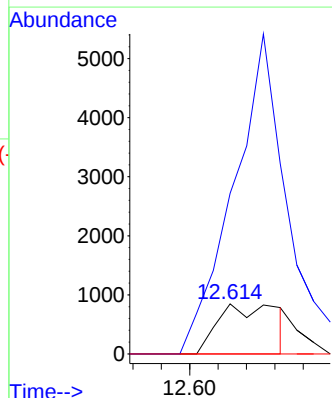
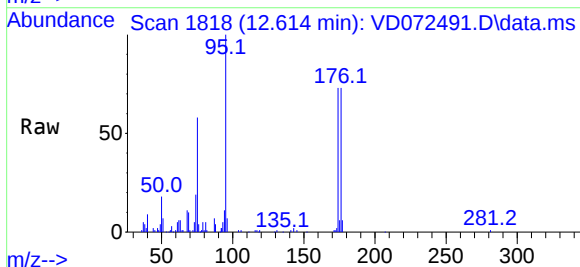
Instrument :
MSVOA_D
ClientSampleId :
337

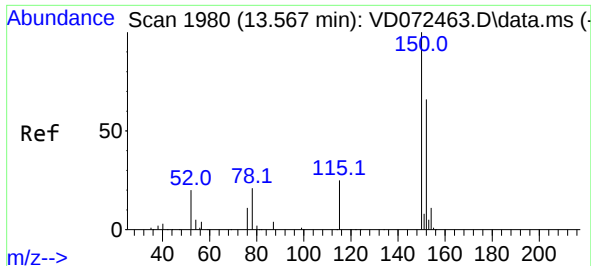
Tgt Ion:	117	Resp:	261861
Ion	Ratio	Lower	Upper
117	100		
82	52.5	45.3	67.9
119	29.8	26.6	40.0



#71
Bromoform
Concen: 1.003 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion:	173	Resp:	1244
Ion	Ratio	Lower	Upper
173	100		
175	482.1	23.9	71.8#
254	0.0	0.0	0.0

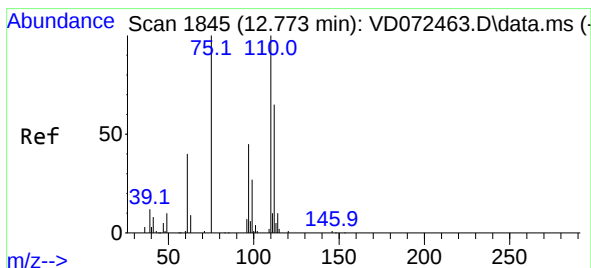
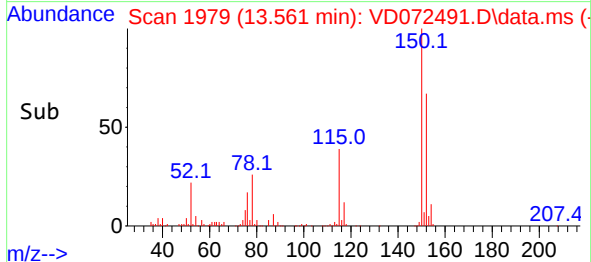
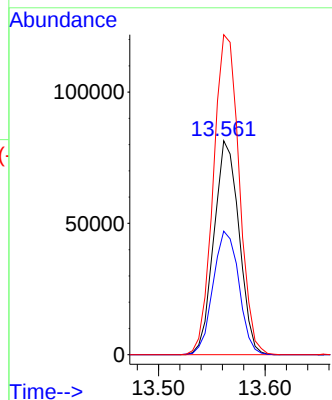
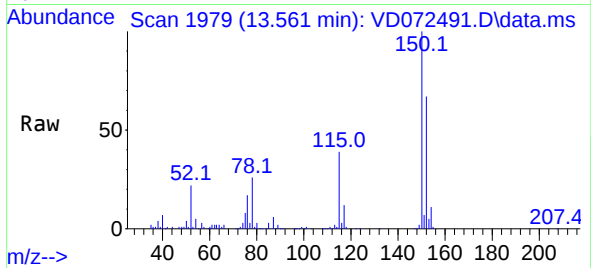




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

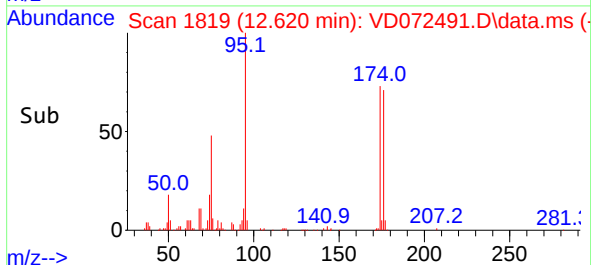
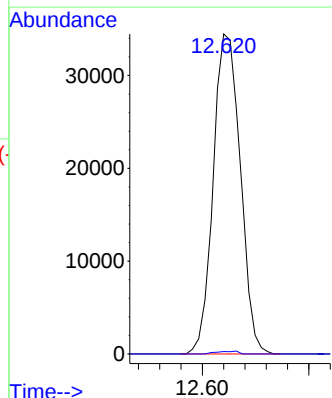
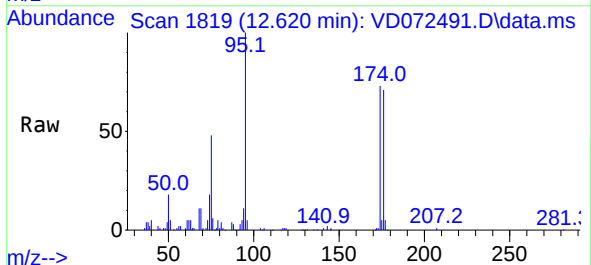
Instrument :
MSVOA_D
ClientSampleId :
337

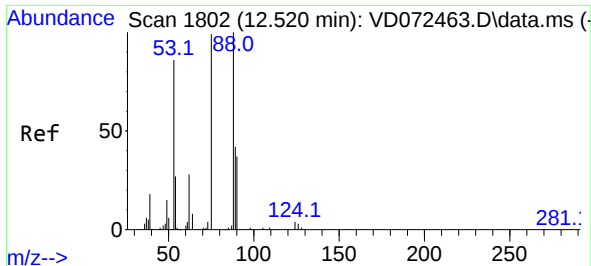
Tgt Ion:152 Resp: 133374
Ion Ratio Lower Upper
152 100
115 59.4 31.3 93.8
150 153.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 41.786 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Tgt Ion: 75 Resp: 60785
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 102.536 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072491.D
Acq: 31 Mar 2022 15:48

Instrument :
MSVOA_D
ClientSampleId :
337

Tgt Ion: 75 Resp: 60785
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.3 33.9 50.9#

