

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072533.D
 Acq On : 05 Apr 2022 14:20
 Operator : VA/SY
 Sample : N2256-03
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-040422

Quant Time: Apr 06 01:12:19 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)

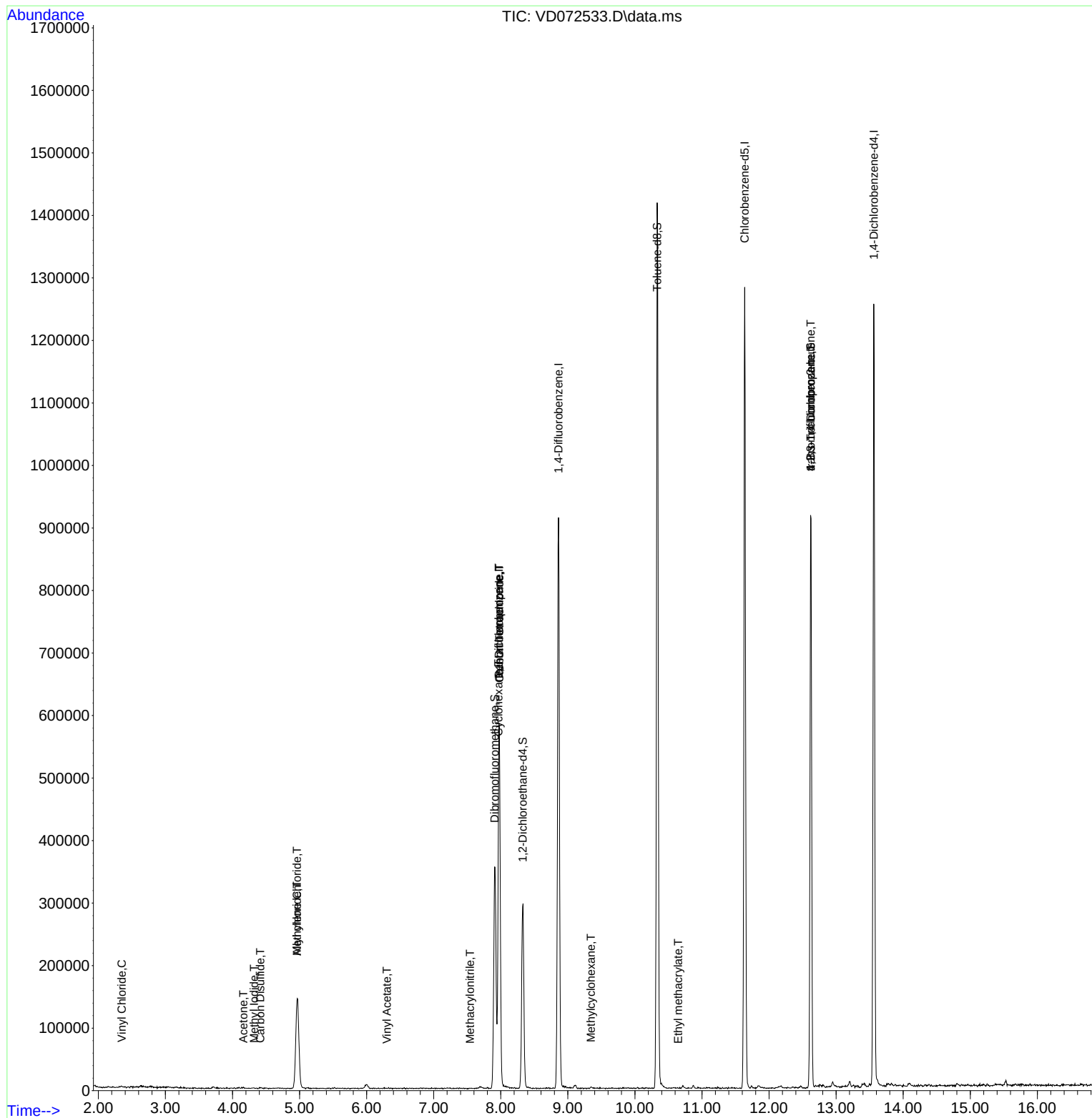
Internal Standards						
1) Pentafluorobenzene	7.973	168	423874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	797844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	738596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	328511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242451	47.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.560%		
35) Dibromofluoromethane	7.908	113	262404	42.321	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.640%		
50) Toluene-d8	10.332	98	964181	44.736	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.480%		
62) 4-Bromofluorobenzene	12.620	95	320263	38.048	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.100%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	265	1.023	ug/l #	43
10) Methyl Iodide	4.320	142	1037	3.942	ug/l #	56
14) Allyl chloride	4.961	41	2338	1.469	ug/l #	22
16) Acetone	4.161	43	1741	1.821	ug/l #	63
17) Carbon Disulfide	4.414	76	2497	3.907	ug/l #	83
20) Methylene Chloride	4.961	84	118178	20.762	ug/l #	85
23) Vinyl Acetate	6.303	43	92	6.300	ug/l #	75
31) Cyclohexane	7.967	56	9113	1.359	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	34010	5.320	ug/l #	52
38) Carbon Tetrachloride	7.979	117	46399	5.432	ug/l #	16
39) Methylcyclohexane	9.344	83	696	2.948	ug/l #	89
41) Methacrylonitrile	7.544	41	63	1.690	ug/l #	27
56) Ethyl methacrylate	10.643	69	83	1.205	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	164764	45.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	164764	112.840	ug/l #	7

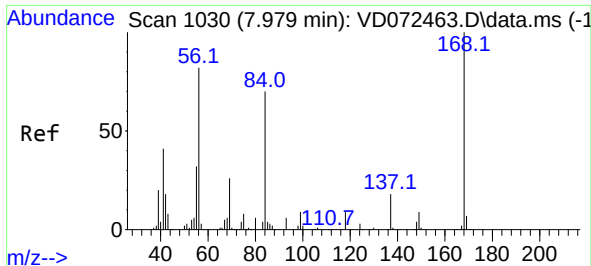
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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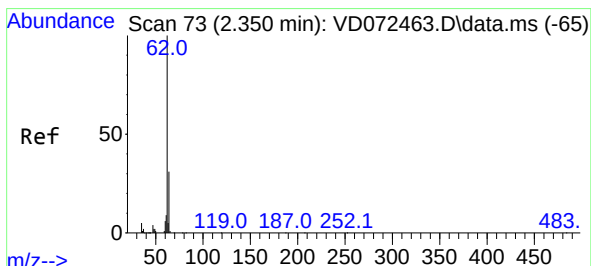
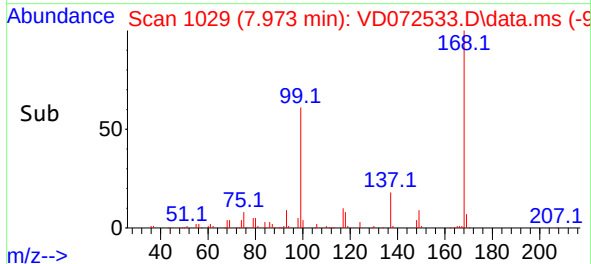
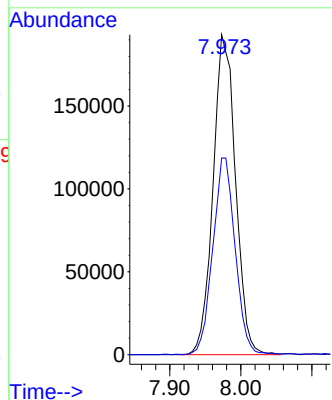
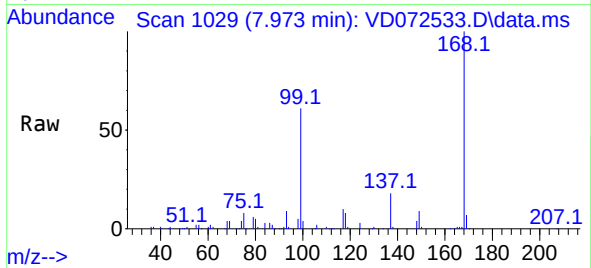




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

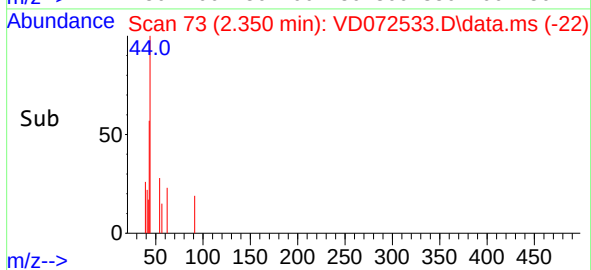
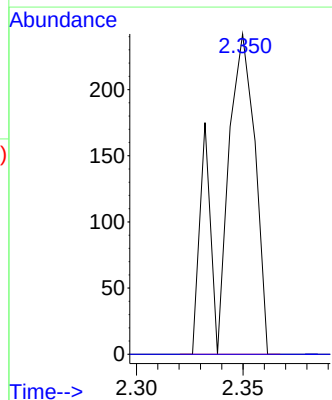
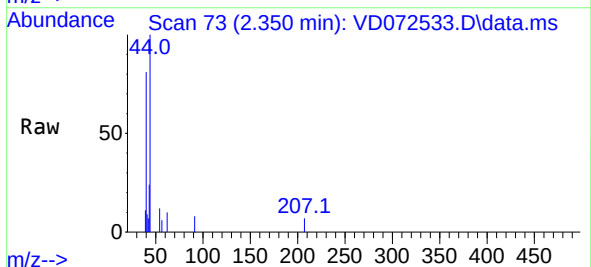
Instrument :
MSVOA_D
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SU-03-040422

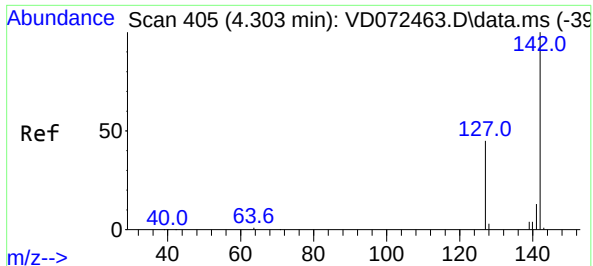
Tgt Ion:168 Resp: 423874
Ion Ratio Lower Upper
168 100
99 61.4 49.8 74.6



#4
Vinyl Chloride
Concen: 1.023 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Tgt Ion: 62 Resp: 265
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

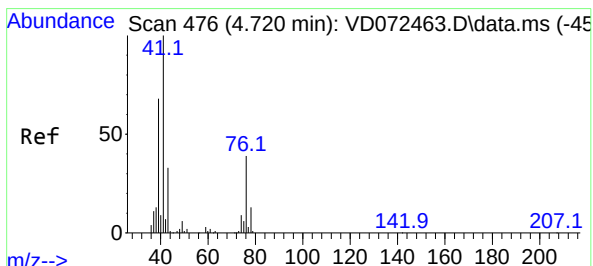
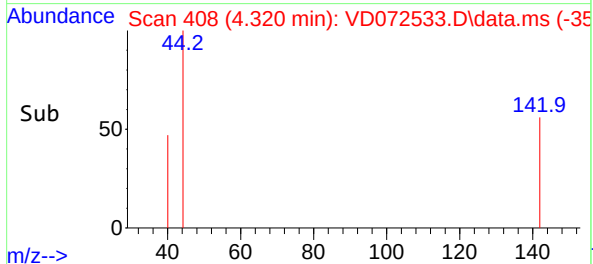
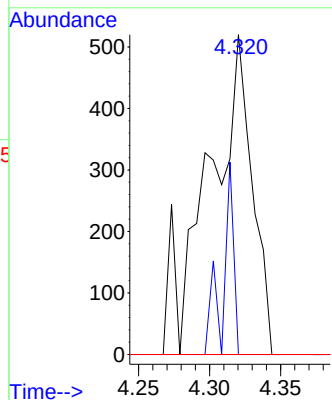
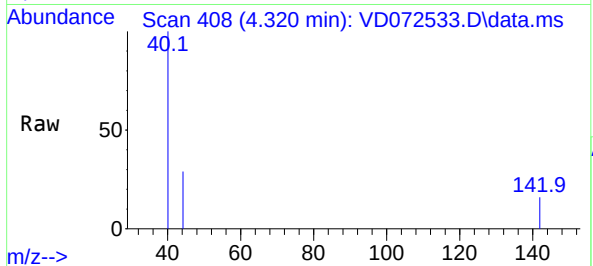




#10
Methyl Iodide
Concen: 3.942 ug/l
RT: 4.320 min Scan# 40
Delta R.T. 0.017 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

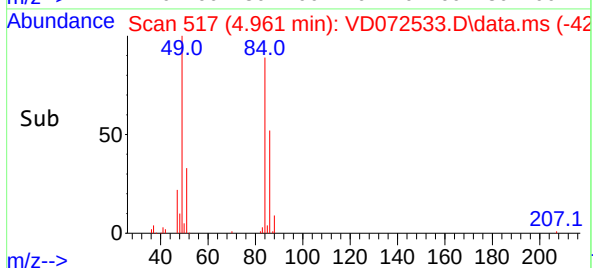
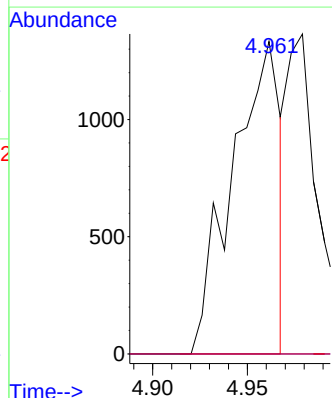
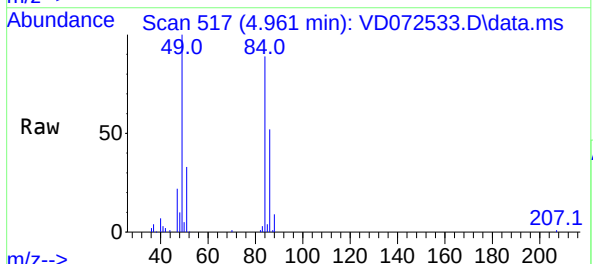
Instrument :
MSVOA_D
ClientSampleId :
SU-03-040422

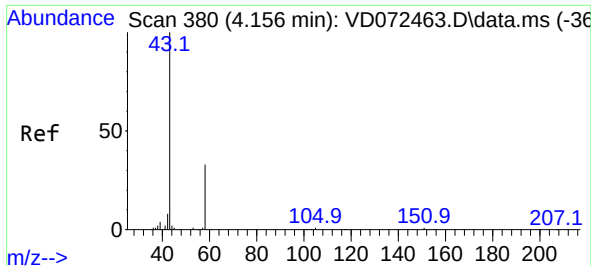
Tgt Ion:142 Resp: 1037
Ion Ratio Lower Upper
142 100
127 15.8 37.3 55.9#
141 0.0 11.7 17.5#



#14
Allyl chloride
Concen: 1.469 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.241 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Tgt Ion: 41 Resp: 2338
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

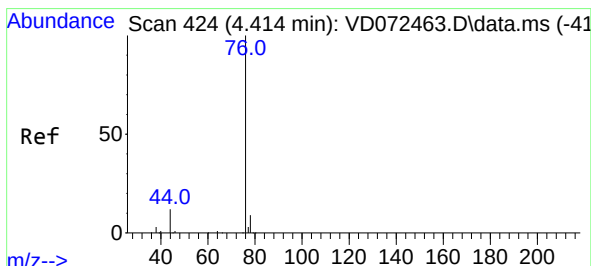
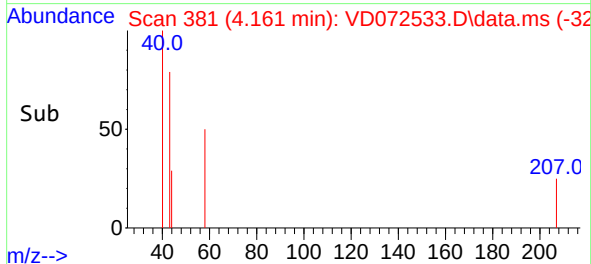
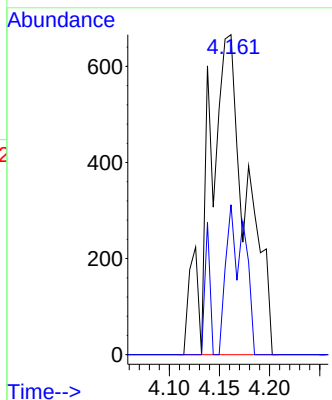
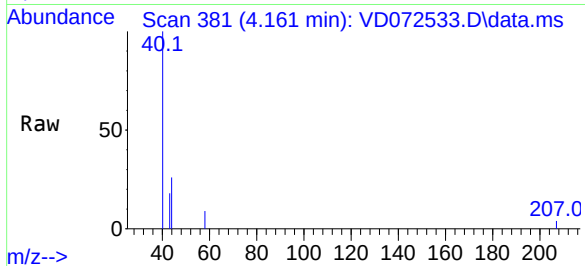




#16
Acetone
Concen: 1.821 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

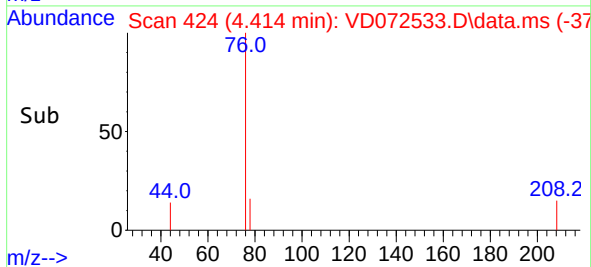
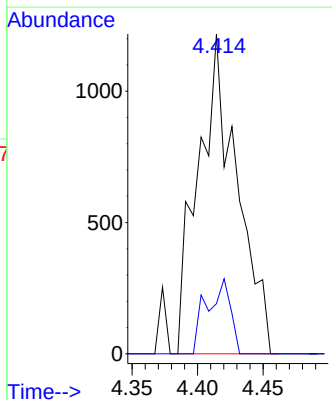
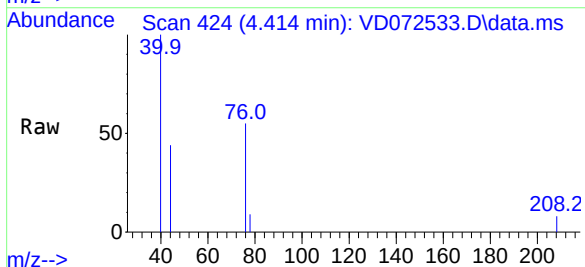
Instrument :
MSVOA_D
ClientSampleId :
SU-03-040422

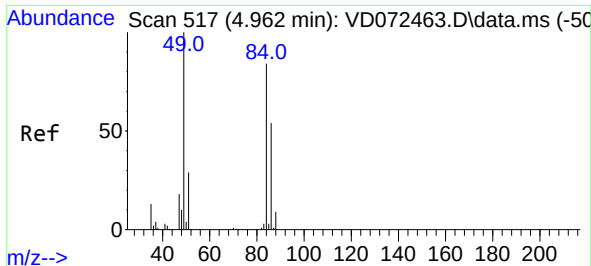
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 46.8 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.907 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

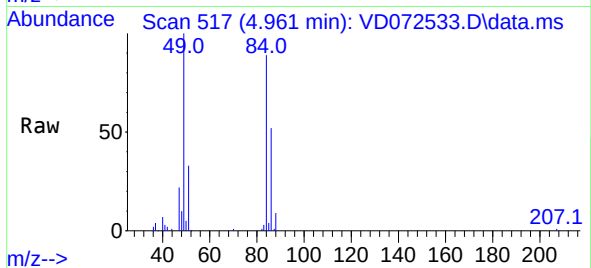
Tgt Ion: 76 Resp: 2497
Ion Ratio Lower Upper
76 100
78 15.7 7.5 11.3#



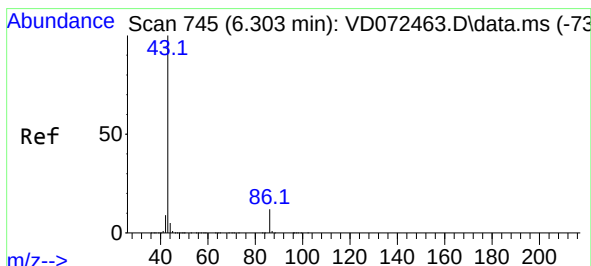
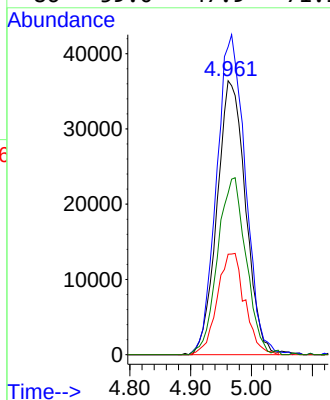
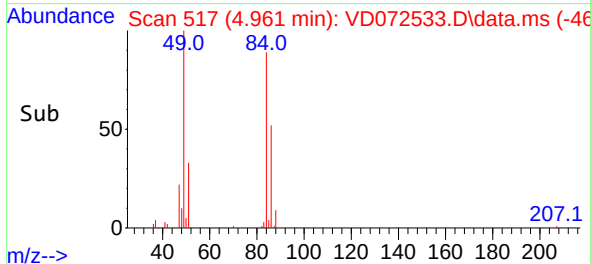


#20
Methylene Chloride
Concen: 20.762 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Instrument :
MSVOA_D
ClientSampleId :
SU-03-040422

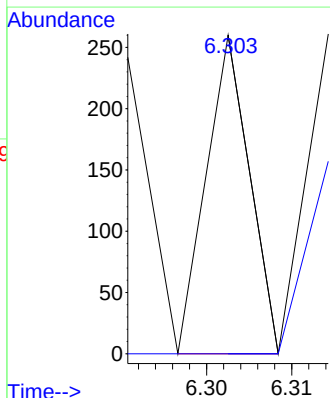
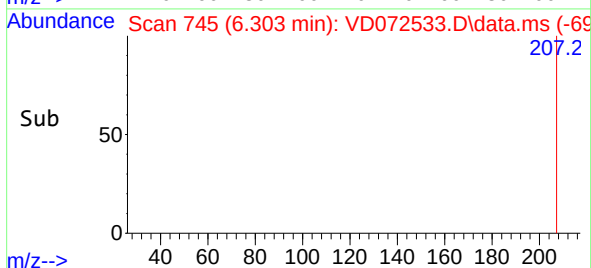
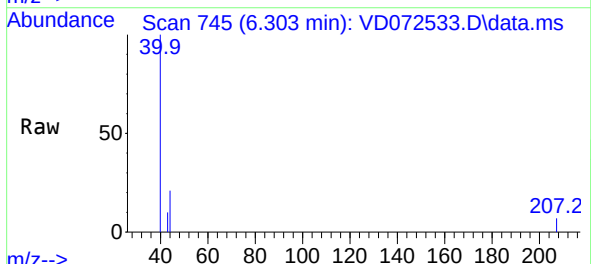


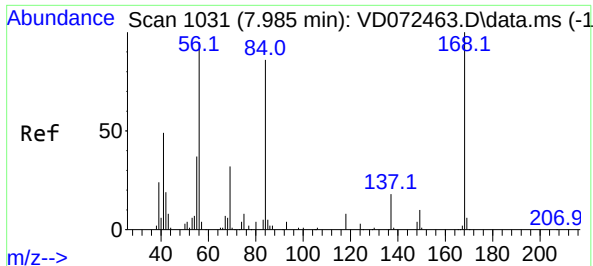
Tgt Ion: 84 Resp: 118178
Ion Ratio Lower Upper
84 100
49 112.4 112.8 169.2#
51 36.7 32.6 48.8
86 59.0 47.9 71.9



#23
Vinyl Acetate
Concen: 6.300 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

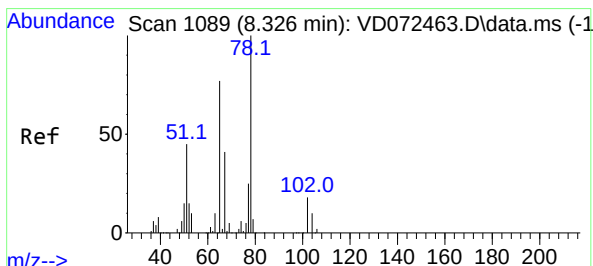
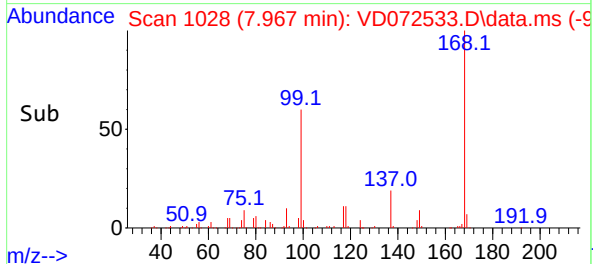
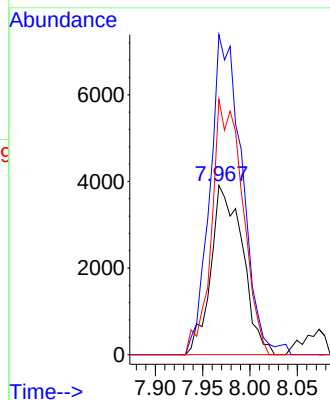
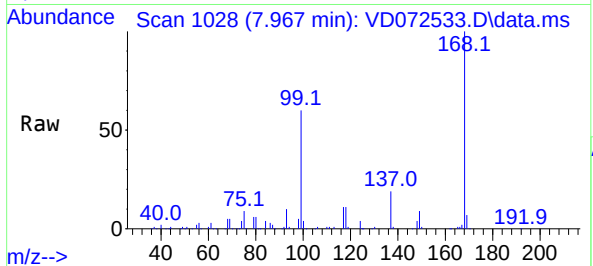




#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

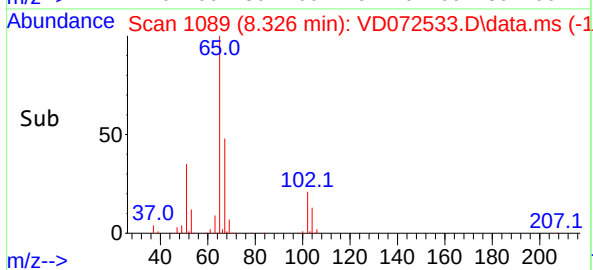
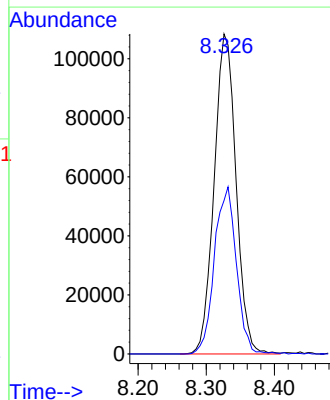
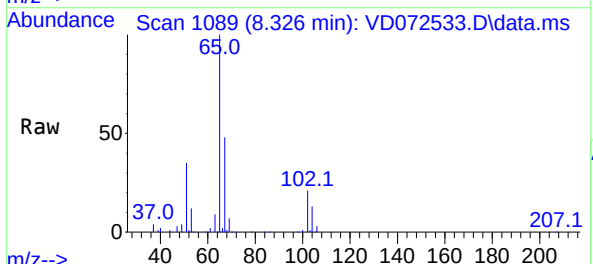
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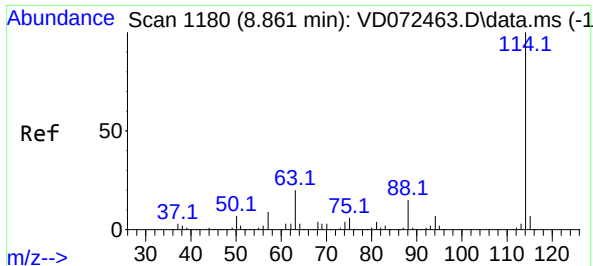
Tgt Ion: 56 Resp: 9113
Ion Ratio Lower Upper
56 100
69 189.1 25.4 38.2#
84 150.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 47.284 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Tgt Ion: 65 Resp: 242451
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.4

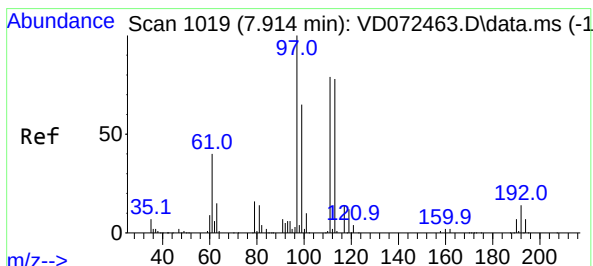
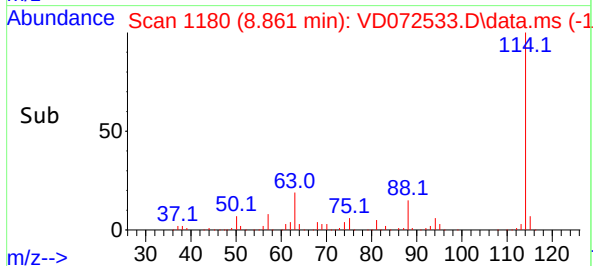
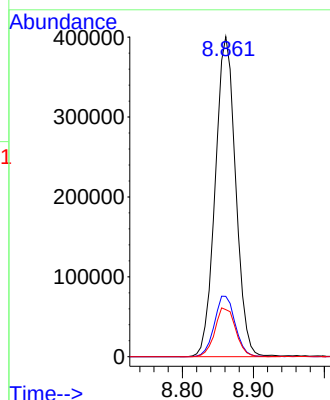
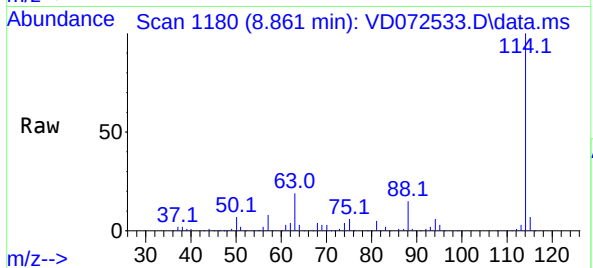




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

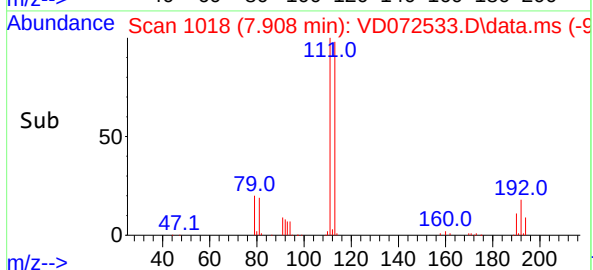
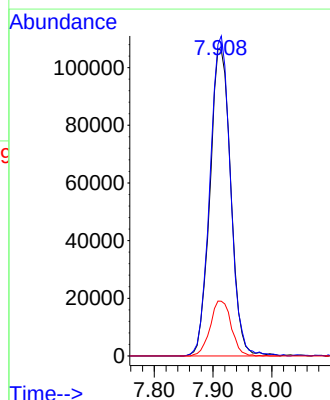
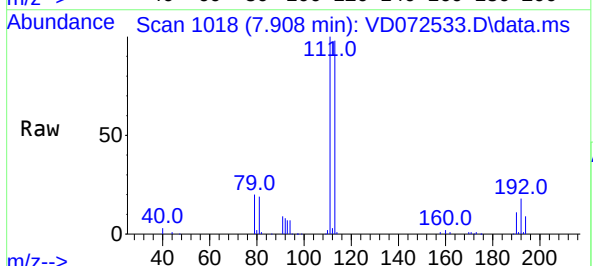
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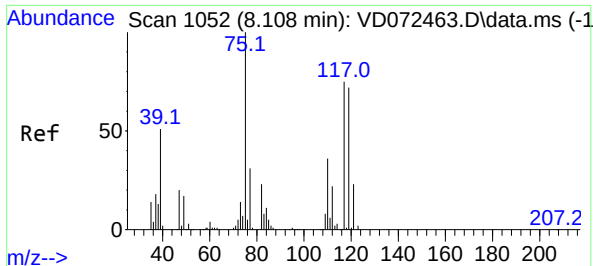
Tgt Ion:114 Resp: 797844
Ion Ratio Lower Upper
114 100
63 18.8 0.0 46.6
88 14.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 42.321 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Tgt Ion:113 Resp: 262404
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.320 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072533.D

Acq: 05 Apr 2022 14:20

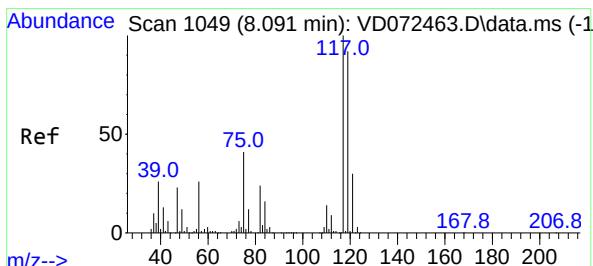
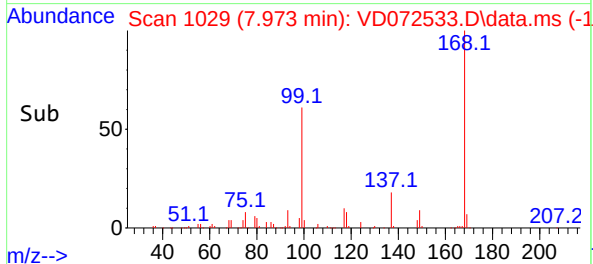
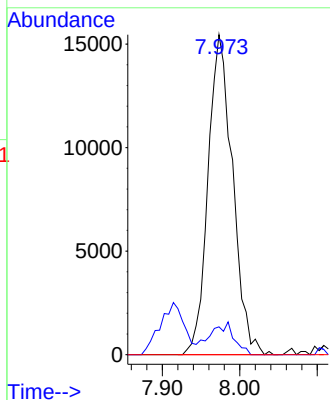
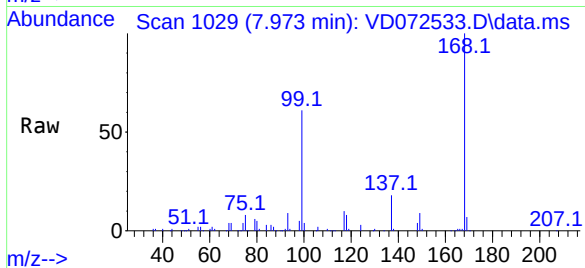
Instrument :

MSVOA_D

ClientSampleId :

SU-03-040422

Tgt Ion:	75	Resp:	34010
Ion	Ratio	Lower	Upper
75	100		
110	10.0	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.432 ug/l

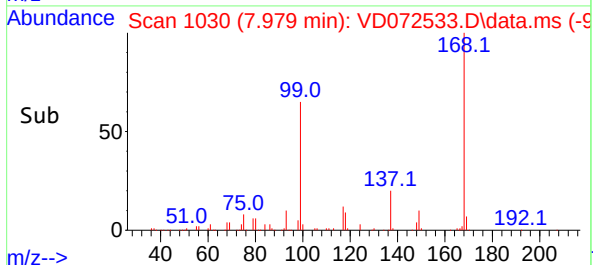
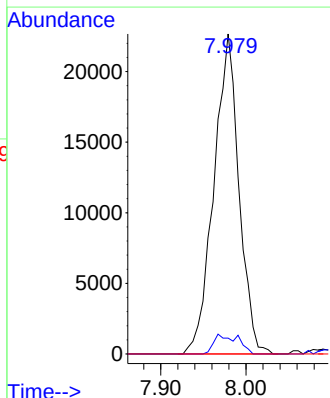
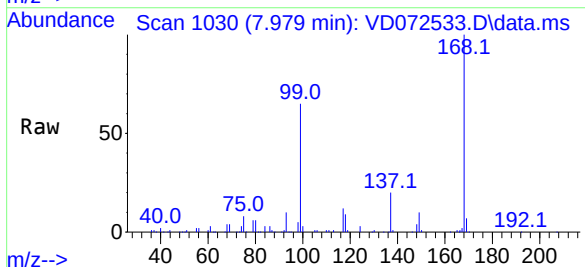
RT: 7.979 min Scan# 1030

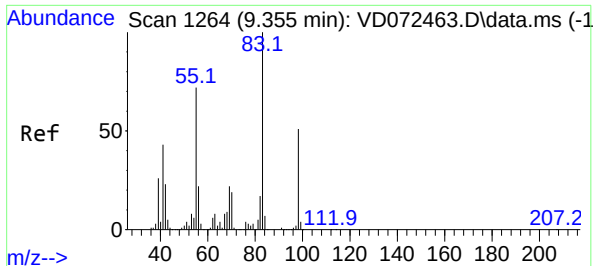
Delta R.T. -0.112 min

Lab File: VD072533.D

Acq: 05 Apr 2022 14:20

Tgt Ion:	117	Resp:	46399
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 2.948 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.011 min

Lab File: VD072533.D

Acq: 05 Apr 2022 14:20

Instrument :

MSVOA_D

ClientSampleId :

SU-03-040422

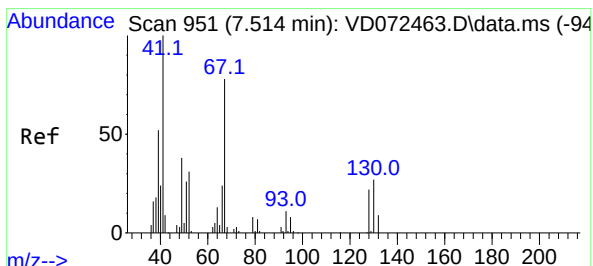
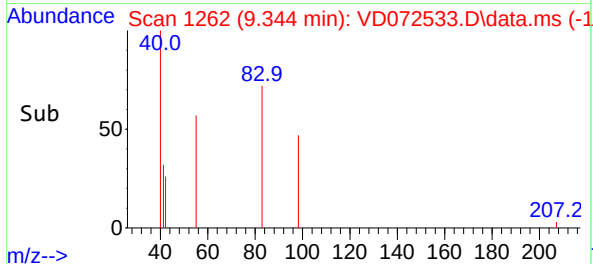
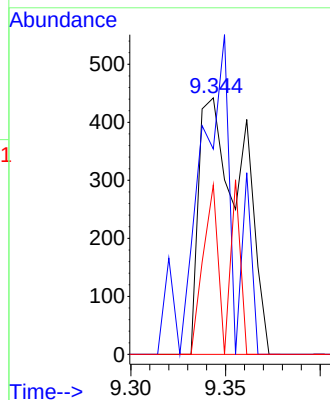
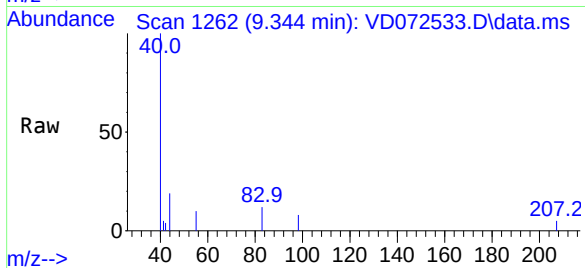
Tgt Ion: 83 Resp: 696

Ion Ratio Lower Upper

83 100

55 80.1 63.2 94.8

98 66.1 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.690 ug/l

RT: 7.544 min Scan# 956

Delta R.T. 0.030 min

Lab File: VD072533.D

Acq: 05 Apr 2022 14:20

Tgt Ion: 41 Resp: 63

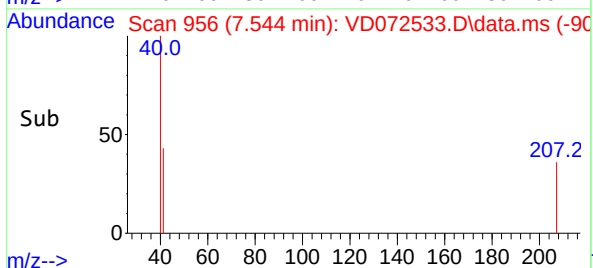
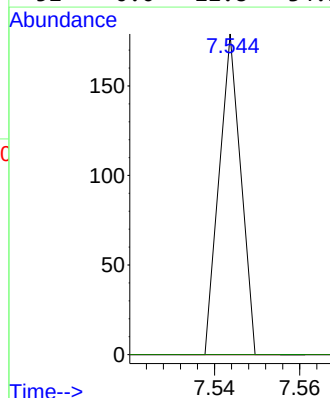
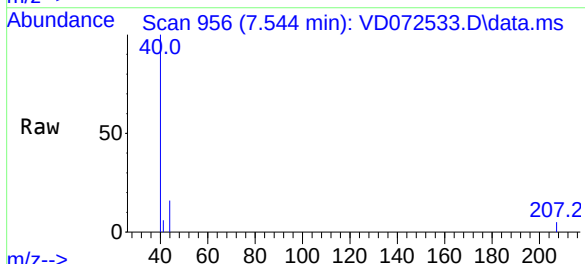
Ion Ratio Lower Upper

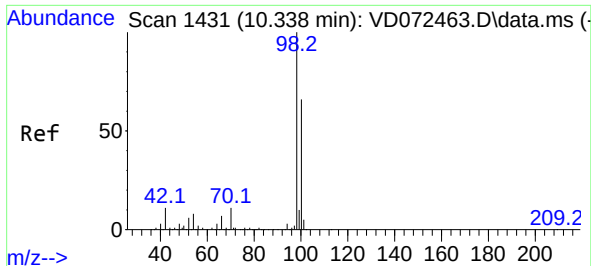
41 100

39 0.0 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

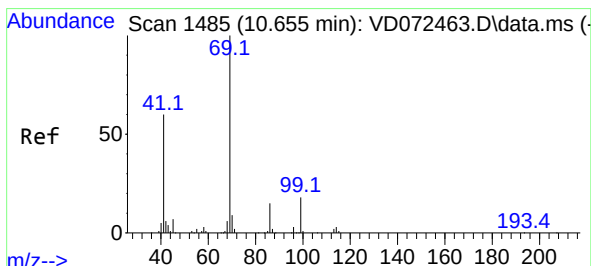
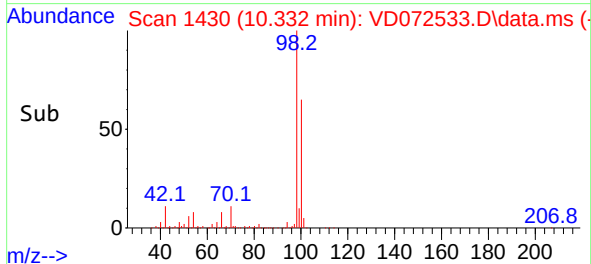
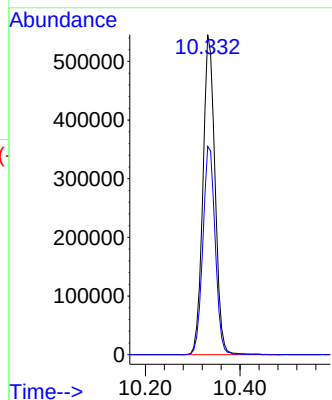
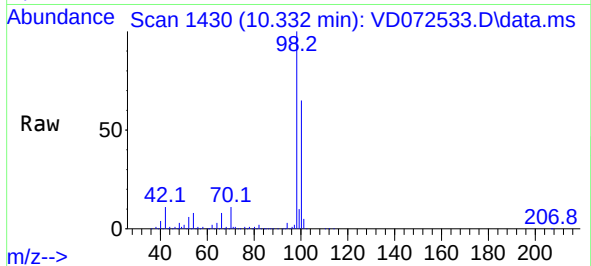




#50
Toluene-d8
Concen: 44.736 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

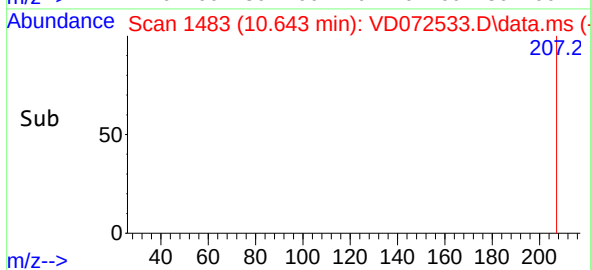
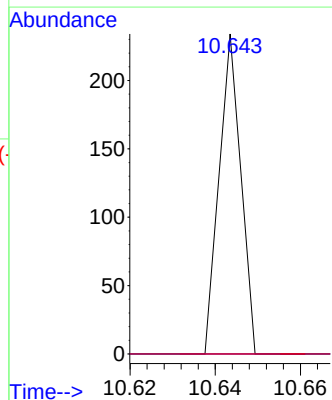
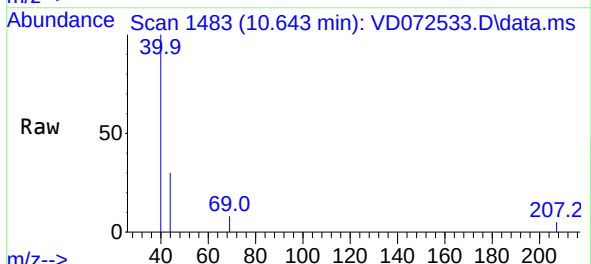
Instrument :
MSVOA_D
ClientSampleId :
SU-03-040422

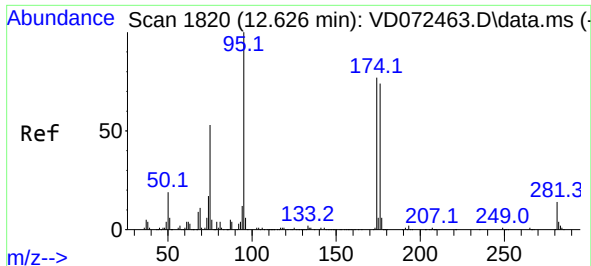
Tgt Ion: 98 Resp: 964181
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.205 ug/l
RT: 10.643 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Tgt Ion: 69 Resp: 83
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

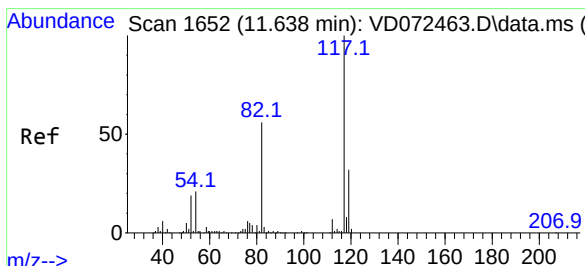
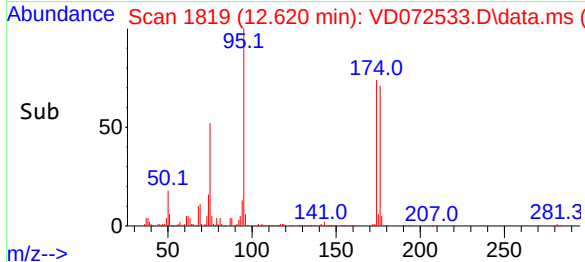
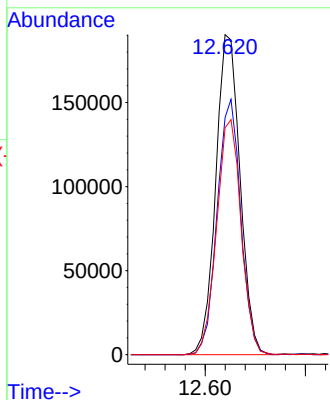
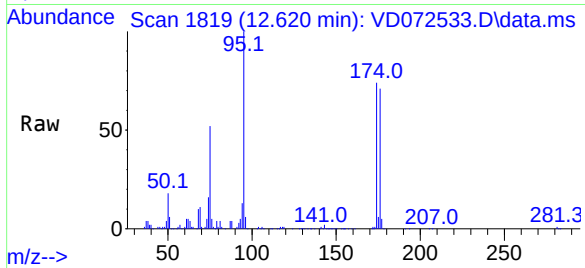




#62
4-Bromofluorobenzene
Concen: 38.048 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

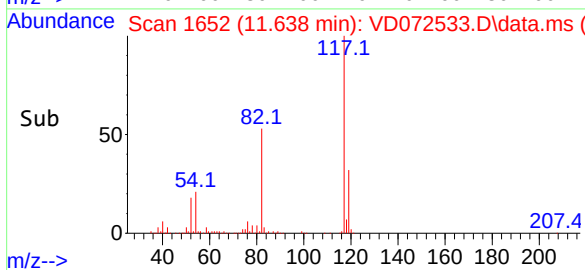
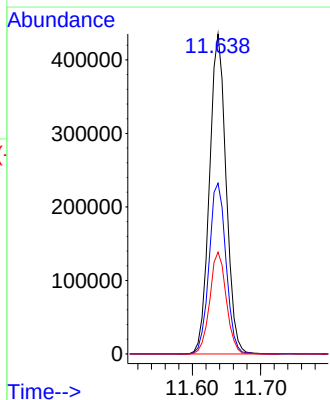
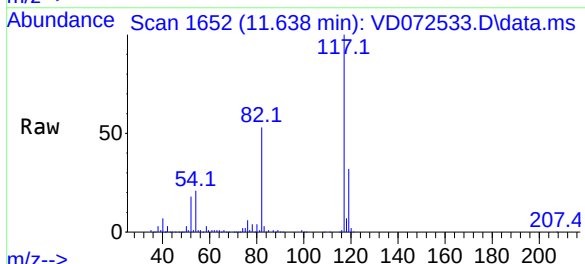
Instrument :
MSVOA_D
ClientSampleId :
SU-03-040422

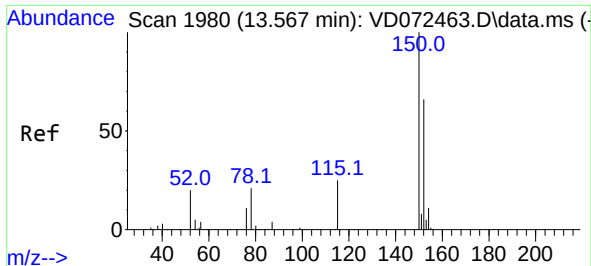
Tgt Ion: 95 Resp: 320263
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.8
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072533.D
Acq: 05 Apr 2022 14:20

Tgt Ion: 117 Resp: 738596
Ion Ratio Lower Upper
117 100
82 53.3 45.3 67.9
119 31.8 26.6 40.0

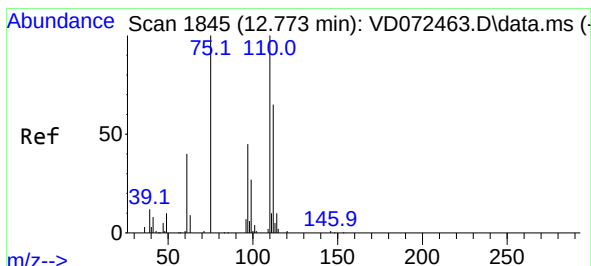
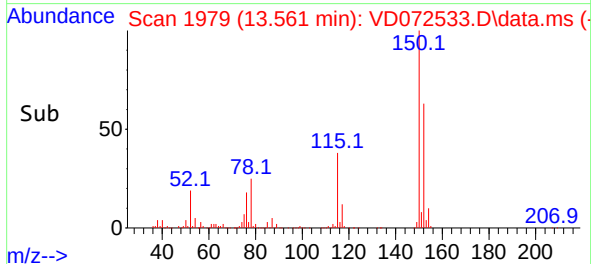
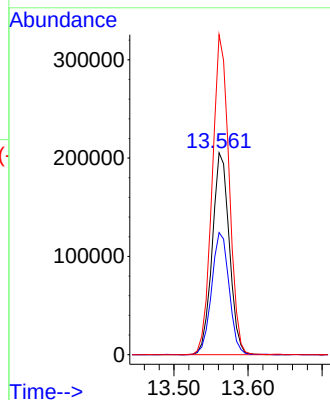
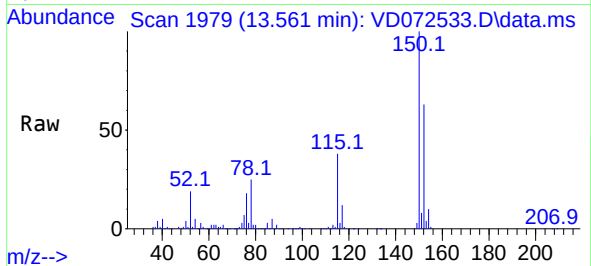




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072533.D
 Acq: 05 Apr 2022 14:20

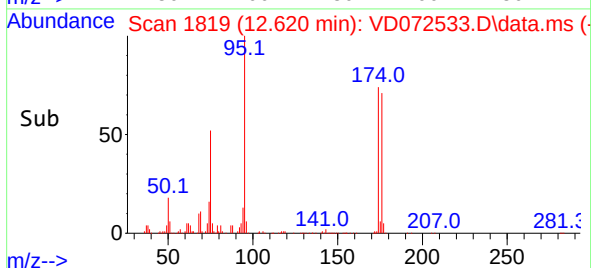
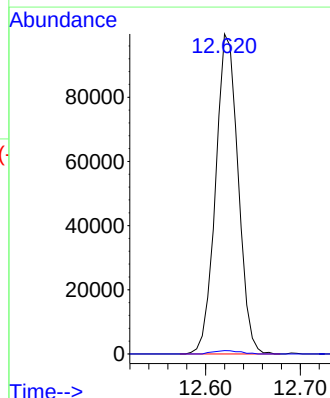
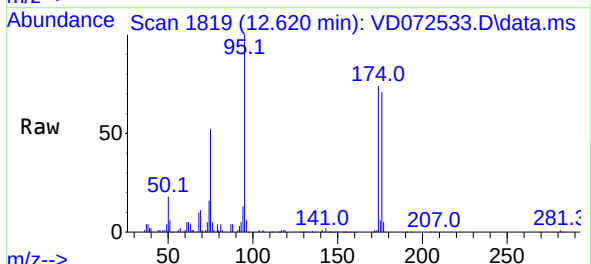
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-040422

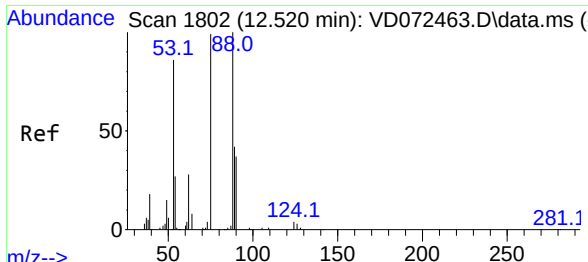
Tgt Ion:152 Resp: 328511
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.3 93.8
 150 157.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.986 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072533.D
 Acq: 05 Apr 2022 14:20

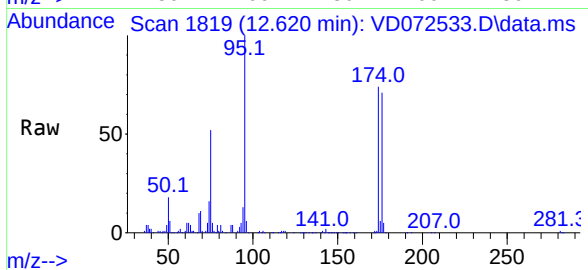
Tgt Ion: 75 Resp: 164764
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.840 ug/l
 RT: 12.620 min Scan# 1802
 Delta R.T. 0.100 min
 Lab File: VD072533.D
 Acq: 05 Apr 2022 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-040422



Tgt Ion: 75 Resp: 164764
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

