

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033122\
 Data File : VD072486.D
 Acq On : 31 Mar 2022 12:49
 Operator : VA/SY
 Sample : VD0331SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0331

Quant Time: Apr 01 02:49:03 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)

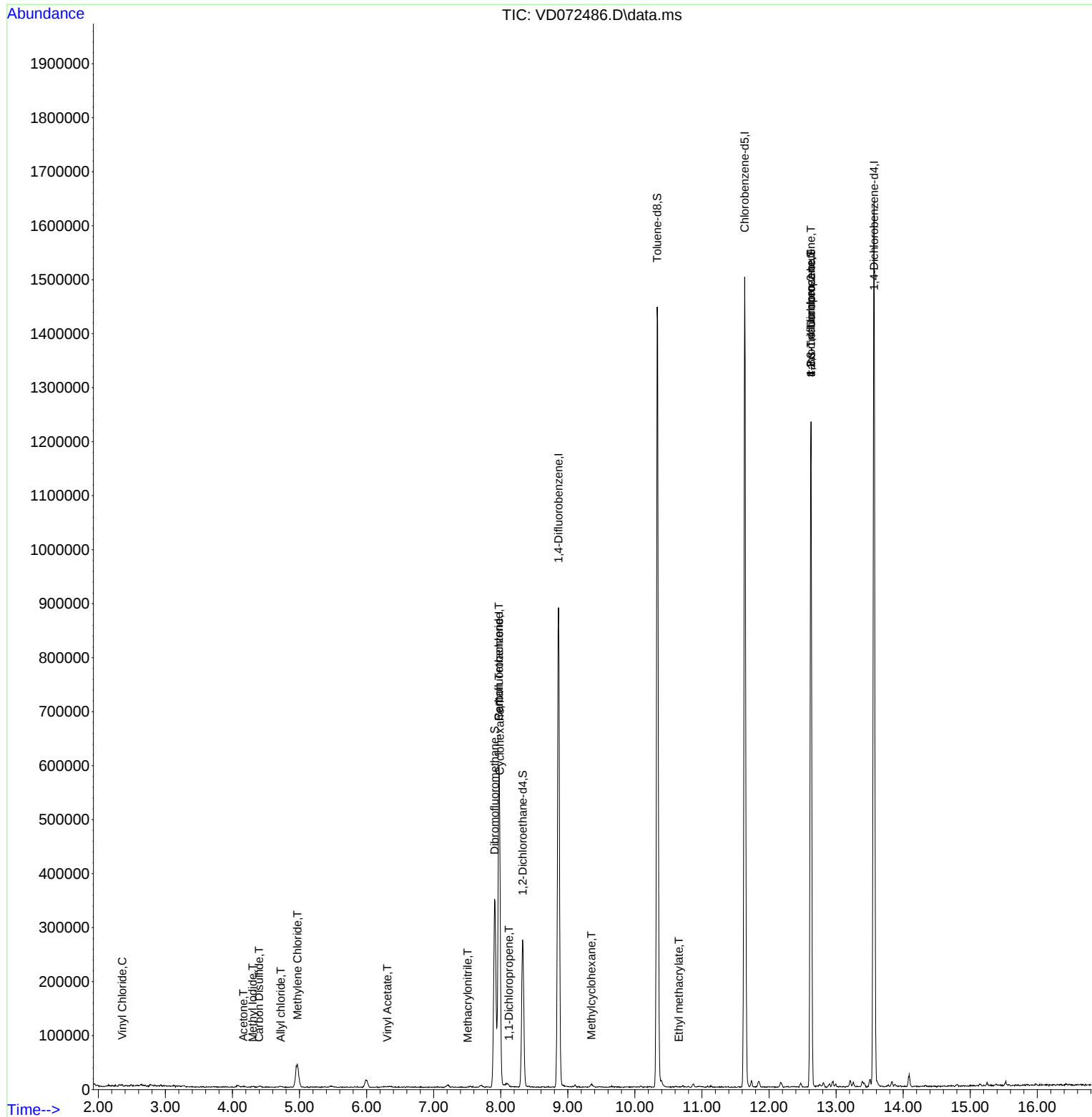
Internal Standards						
1) Pentafluorobenzene	7.973	168	435913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	777169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	867852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	444612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218744	41.482	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.960%		
35) Dibromofluoromethane	7.908	113	250816	41.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.060%		
50) Toluene-d8	10.332	98	972886	46.340	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.680%		
62) 4-Bromofluorobenzene	12.626	95	414603	50.566	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.140%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.356	62	1289	1.294	ug/l	92
10) Methyl Iodide	4.303	142	1977	4.123	ug/l #	63
14) Allyl chloride	4.720	41	727	1.230	ug/l #	49
16) Acetone	4.162	43	3060	3.112	ug/l #	64
17) Carbon Disulfide	4.397	76	4650	4.135	ug/l #	74
20) Methylene Chloride	4.967	84	34004	5.809	ug/l #	76
23) Vinyl Acetate	6.309	43	2157	6.537	ug/l #	75
31) Cyclohexane	7.985	56	10828	1.570	ug/l #	8
36) 1,1-Dichloropropene	8.120	75	2767	1.474	ug/l #	76
38) Carbon Tetrachloride	7.973	117	45714	5.494	ug/l #	19
39) Methylcyclohexane	9.350	83	2637	3.153	ug/l #	70
41) Methacrylonitrile	7.508	41	95	1.707	ug/l #	37
56) Ethyl methacrylate	10.655	69	184	1.222	ug/l #	31
76) 1,2,3-Trichloropropane	12.626	75	212700	43.863	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	212700	107.631	ug/l #	7

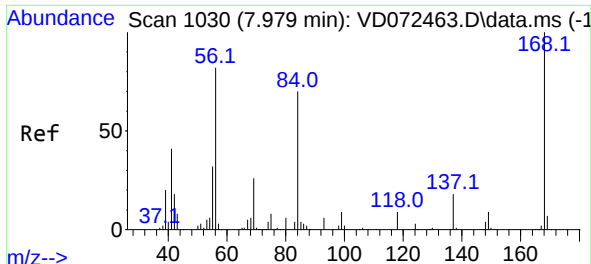
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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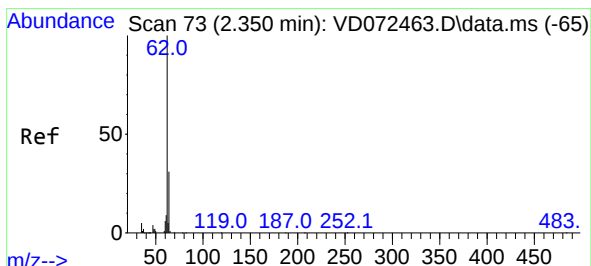
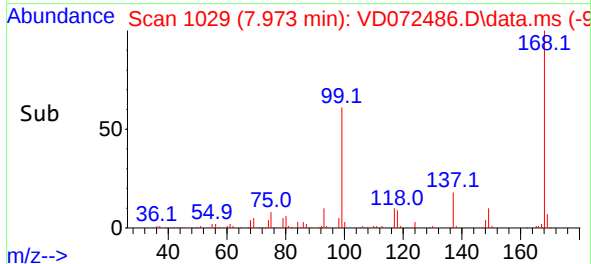
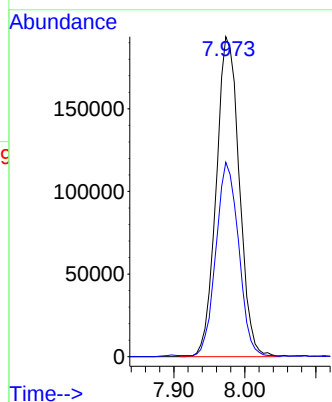
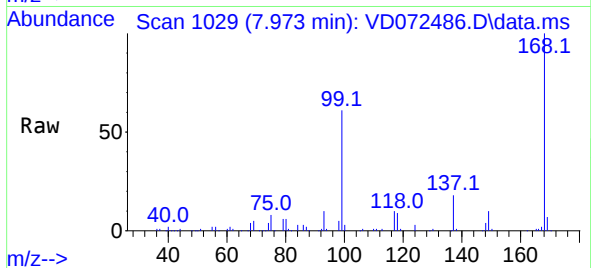




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

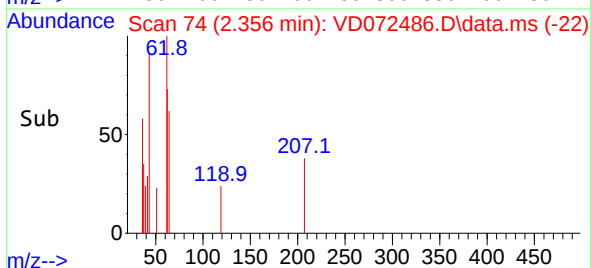
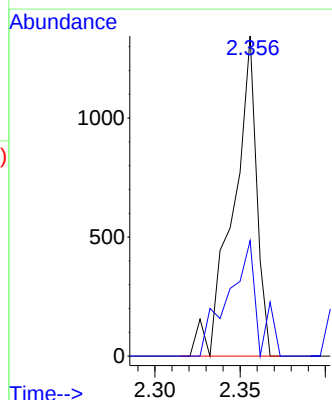
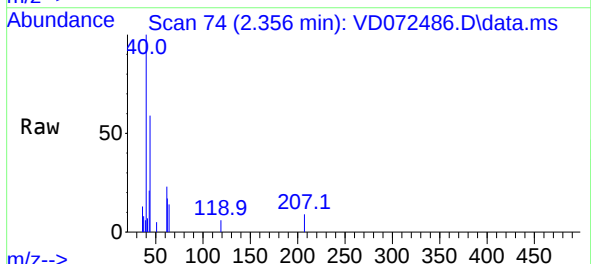
Instrument :
MSVOA_D
ClientSampleId :
VD0331

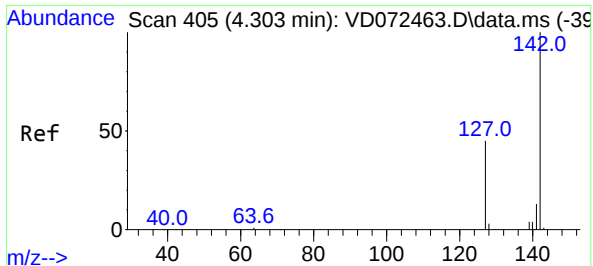
Tgt Ion:168 Resp: 435913
Ion Ratio Lower Upper
168 100
99 60.6 49.8 74.6



#4
Vinyl Chloride
Concen: 1.294 ug/l
RT: 2.356 min Scan# 74
Delta R.T. 0.006 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion: 62 Resp: 1289
Ion Ratio Lower Upper
62 100
64 36.1 25.4 38.0

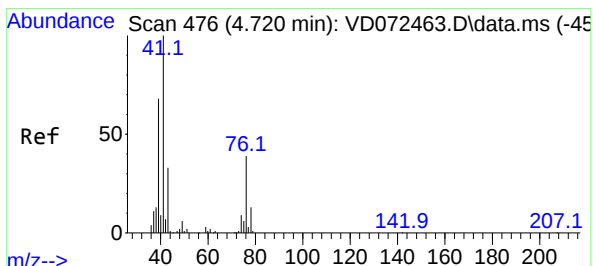
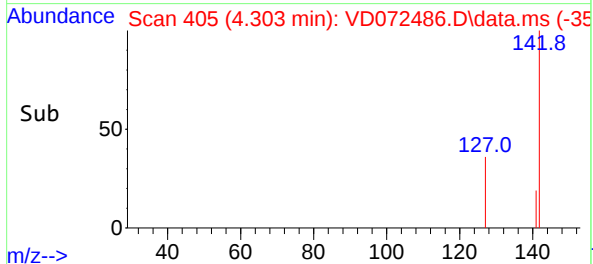
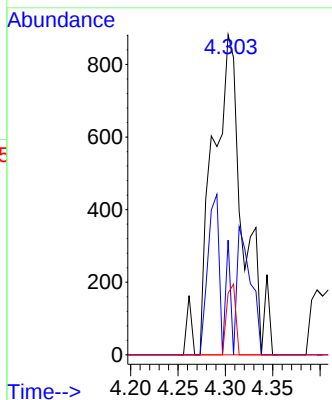
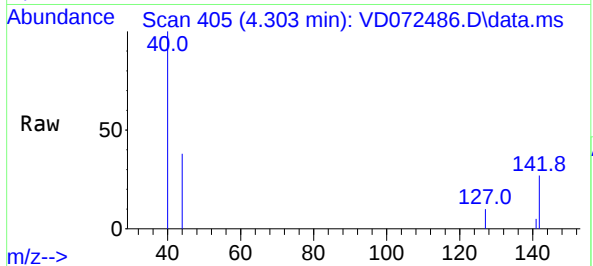




#10
Methyl Iodide
Concen: 4.123 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

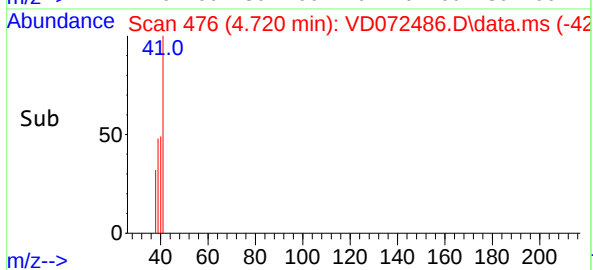
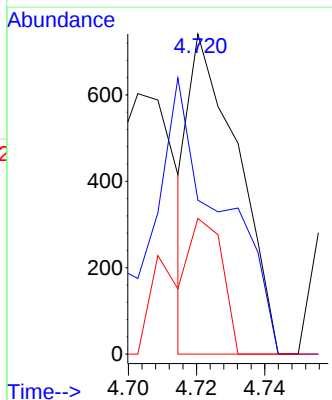
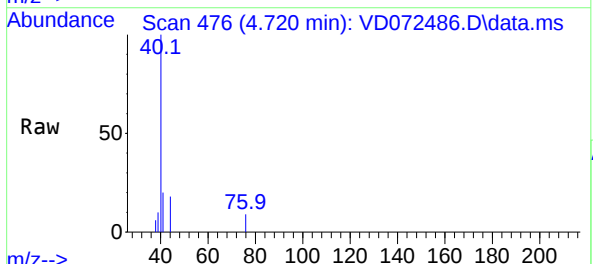
Instrument :
MSVOA_D
ClientSampleId :
VD0331

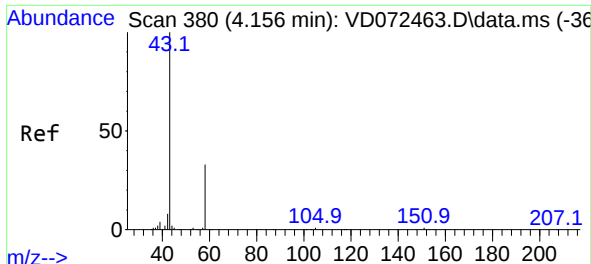
Tgt Ion:	142	Resp:	1977
Ion	Ratio	Lower	Upper
142	100		
127	18.1	37.3	55.9#
141	6.5	11.7	17.5#



#14
Allyl chloride
Concen: 1.230 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion:	41	Resp:	727
Ion	Ratio	Lower	Upper
41	100		
39	126.4	59.3	88.9#
76	47.0	25.7	38.5#

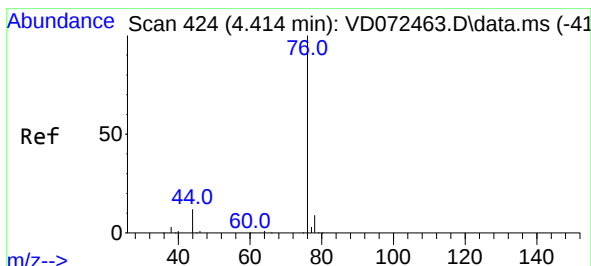
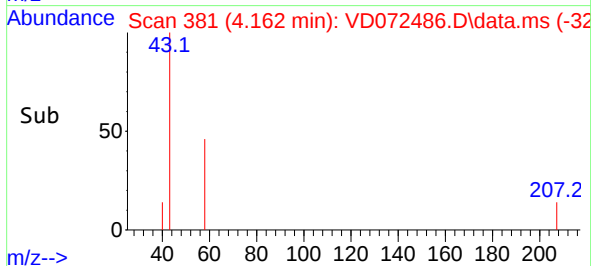
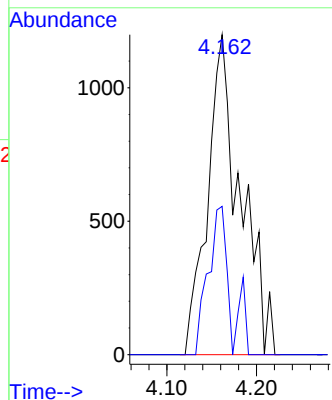
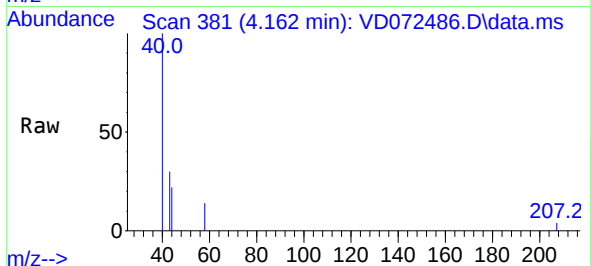




#16
Acetone
Concen: 3.112 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

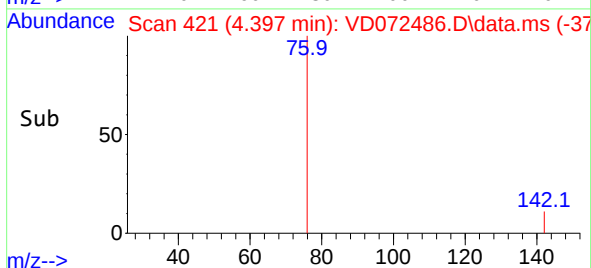
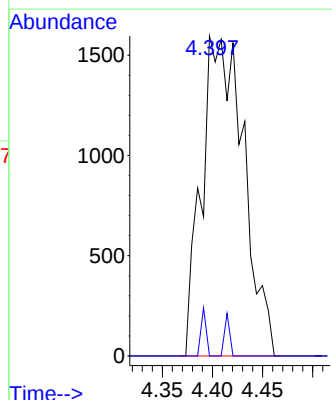
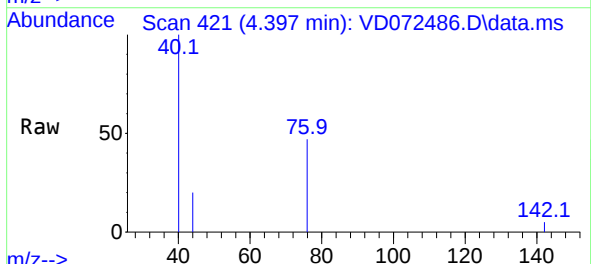
Instrument :
MSVOA_D
ClientSampleId :
VD0331

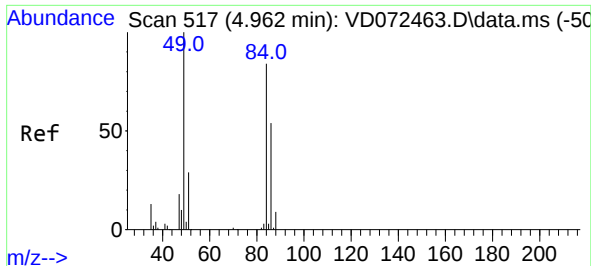
Tgt Ion: 43 Resp: 3060
Ion Ratio Lower Upper
43 100
58 46.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.135 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.017 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion: 76 Resp: 4650
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



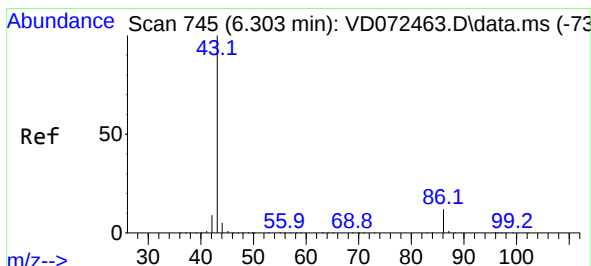
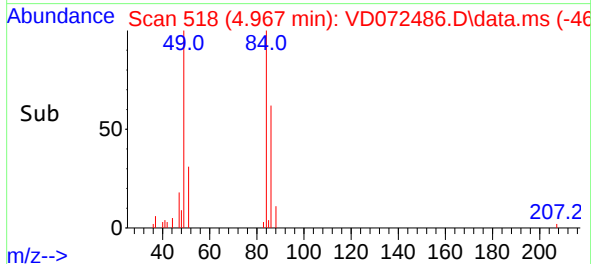
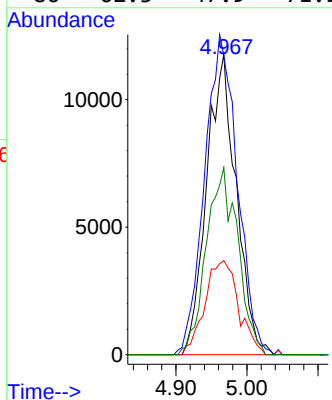
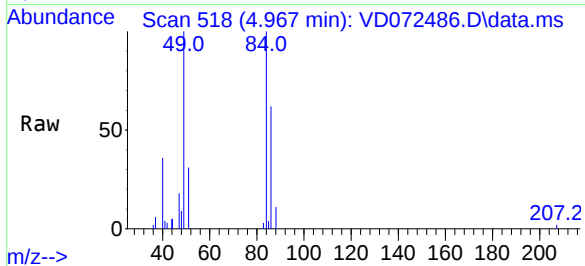


#20
Methylene Chloride
Concen: 5.809 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0331

Tgt Ion: 84 Resp: 34004

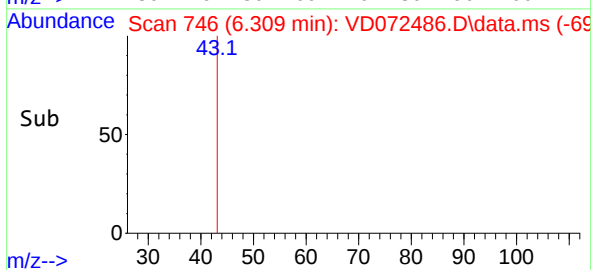
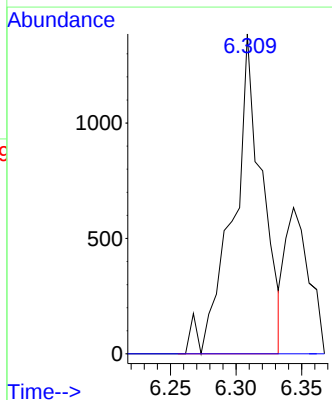
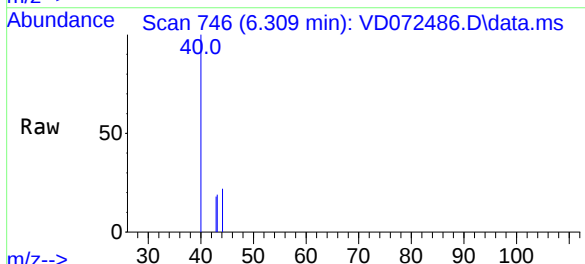
Ion	Ratio	Lower	Upper
84	100		
49	98.0	112.8	169.2#
51	31.3	32.6	48.8#
86	62.3	47.9	71.9

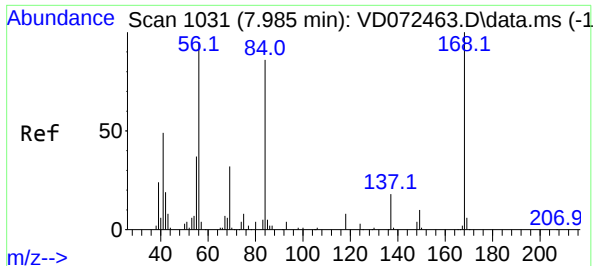


#23
Vinyl Acetate
Concen: 6.537 ug/l
RT: 6.309 min Scan# 746
Delta R.T. 0.006 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion: 43 Resp: 2157

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

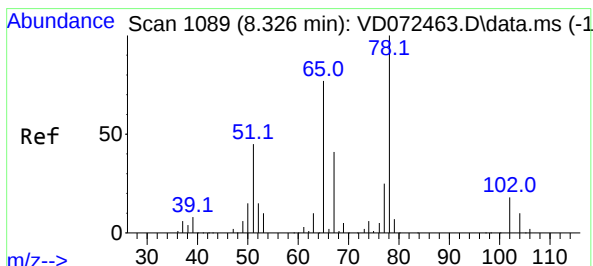
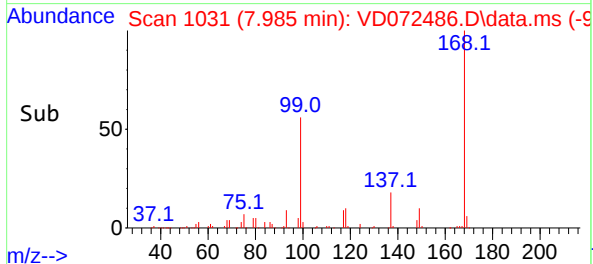
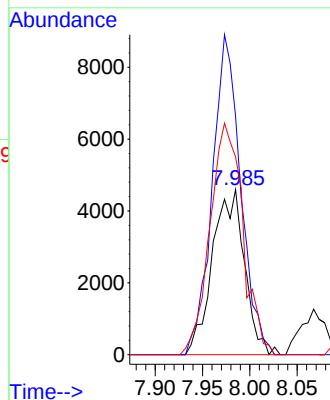
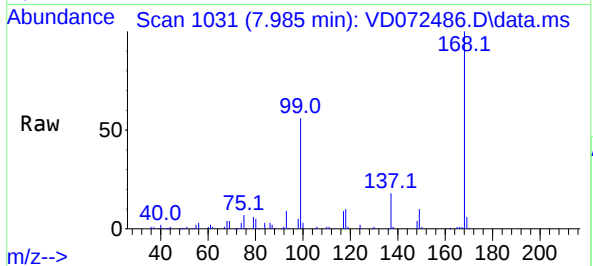




#31
Cyclohexane
Concen: 1.570 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

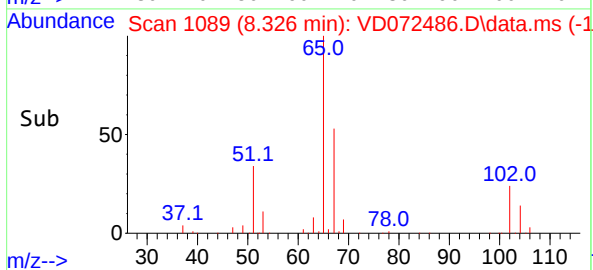
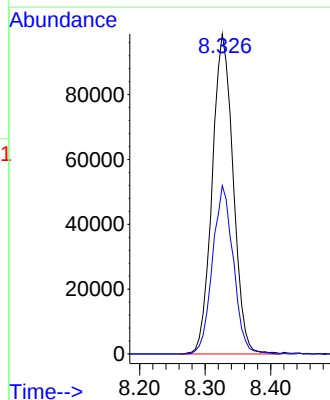
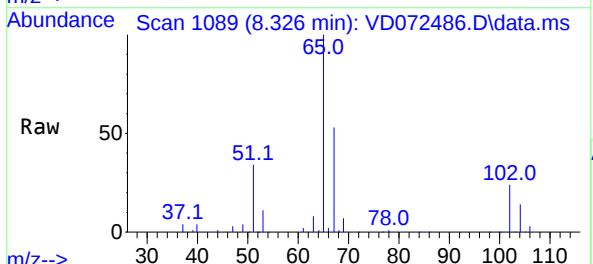
Instrument :
MSVOA_D
ClientSampleId :
VD0331

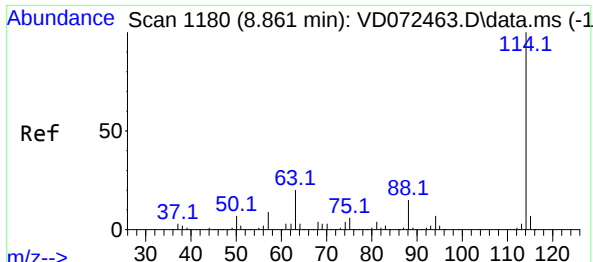
Tgt Ion: 56 Resp: 10828
Ion Ratio Lower Upper
56 100
69 144.5 25.4 38.2#
84 119.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.482 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion: 65 Resp: 218744
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.4

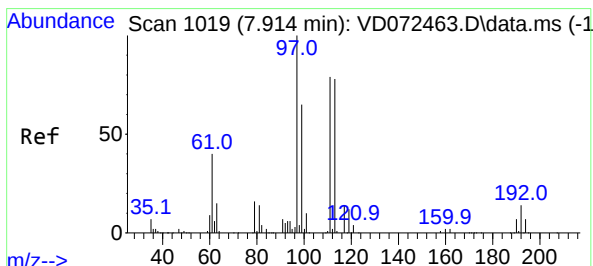
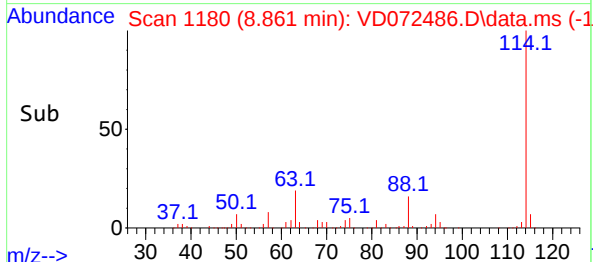
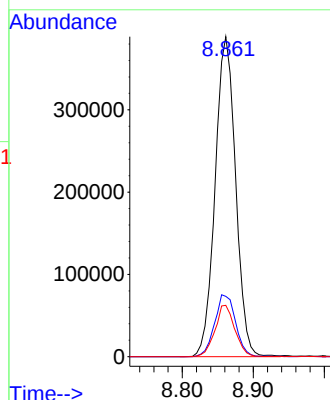
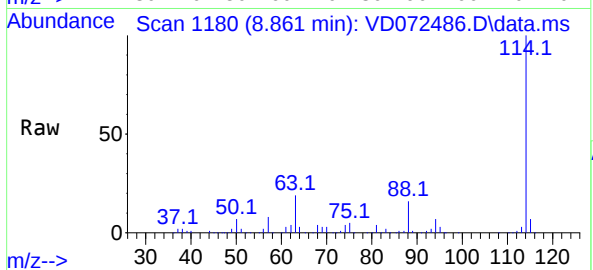




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

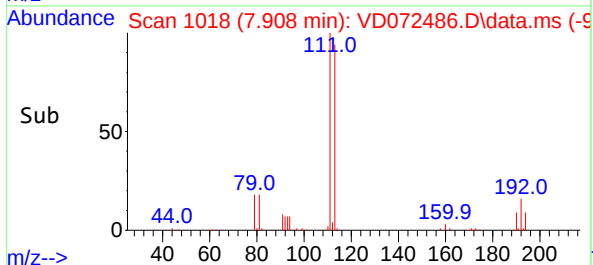
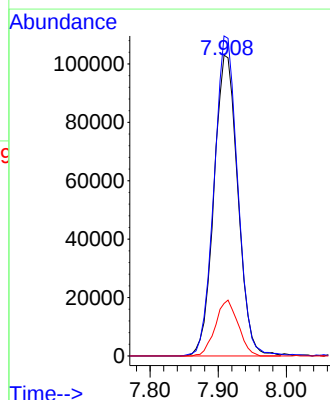
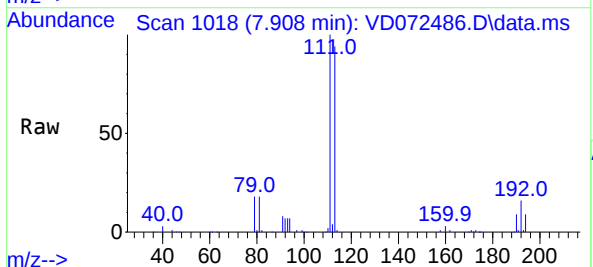
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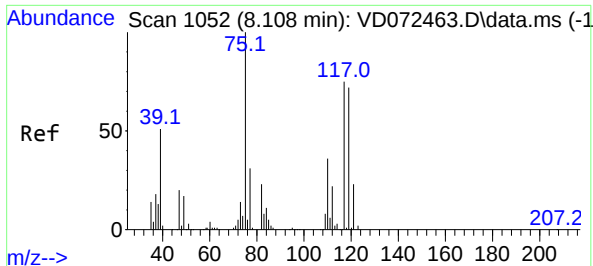
Tgt Ion:114 Resp: 777169
Ion Ratio Lower Upper
114 100
63 18.8 0.0 46.6
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 41.528 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion:113 Resp: 250816
Ion Ratio Lower Upper
113 100
111 104.8 83.8 125.6
192 17.7 14.6 21.8

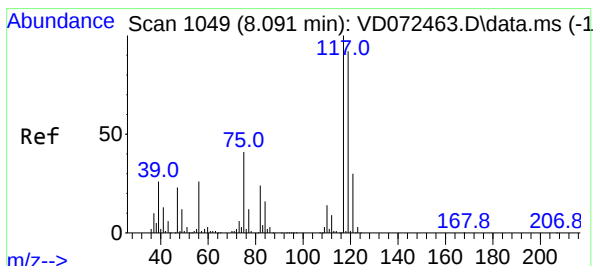
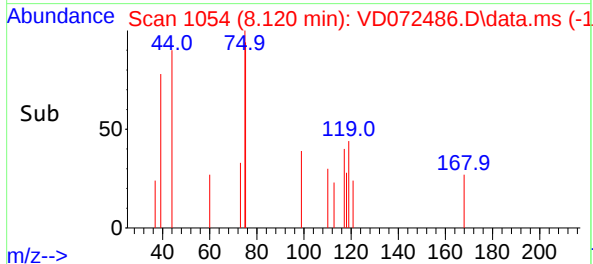
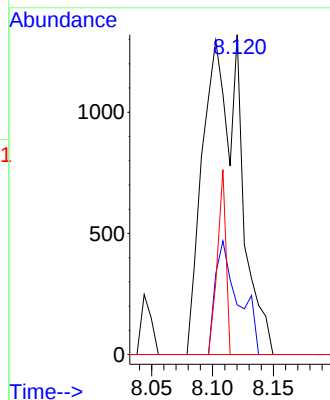
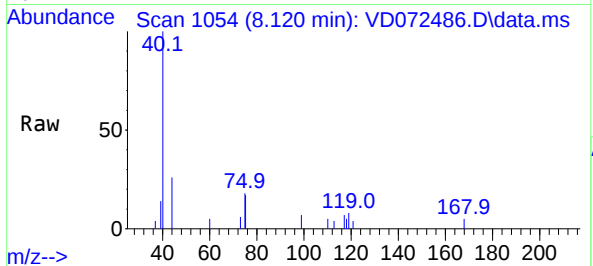




#36
1,1-Dichloropropene
Concen: 1.474 ug/l
RT: 8.120 min Scan# 1054
Delta R.T. 0.012 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

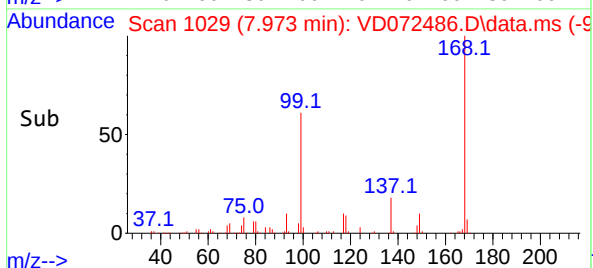
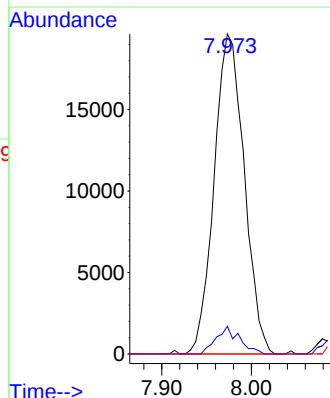
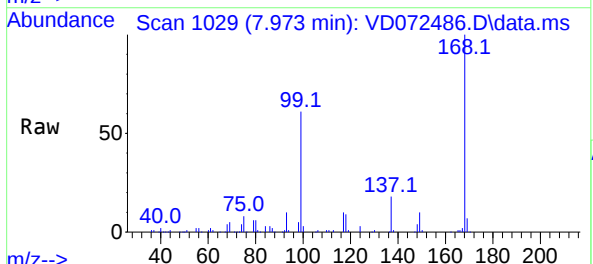
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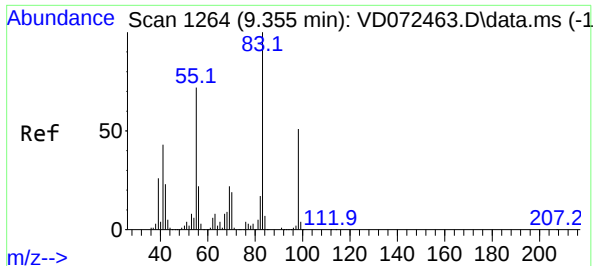
Tgt Ion: 75 Resp: 2767
Ion Ratio Lower Upper
75 100
110 22.3 16.4 49.1
77 13.5 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion: 117 Resp: 45714
Ion Ratio Lower Upper
117 100
119 8.7 75.8 113.6#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 3.153 ug/l

RT: 9.350 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD072486.D

Acq: 31 Mar 2022 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0331

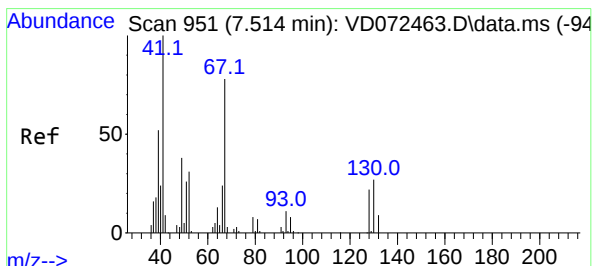
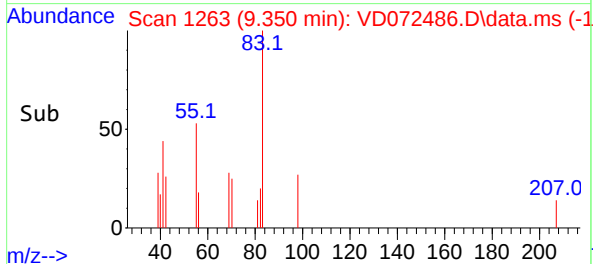
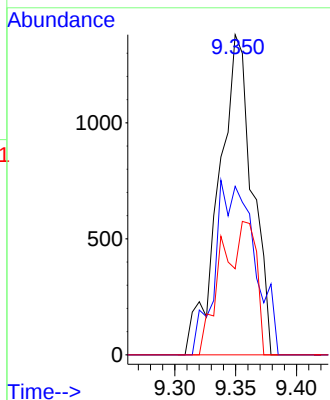
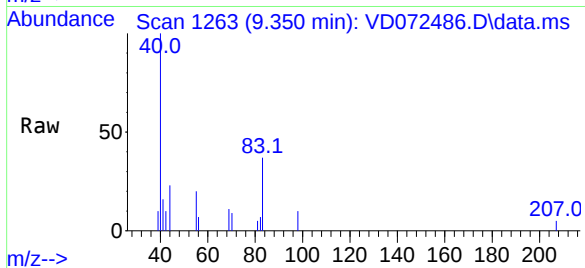
Tgt Ion: 83 Resp: 2637

Ion Ratio Lower Upper

83 100

55 52.6 63.2 94.8#

98 26.9 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.707 ug/l

RT: 7.508 min Scan# 950

Delta R.T. -0.006 min

Lab File: VD072486.D

Acq: 31 Mar 2022 12:49

Tgt Ion: 41 Resp: 95

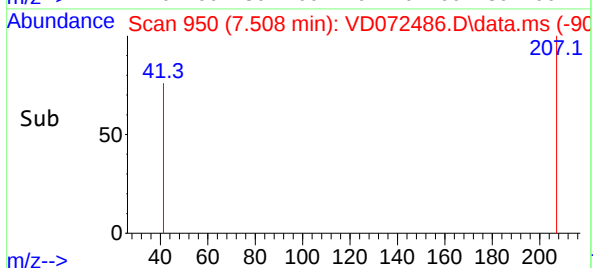
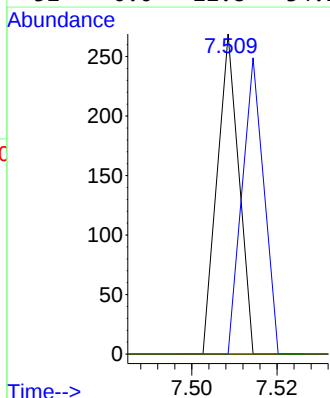
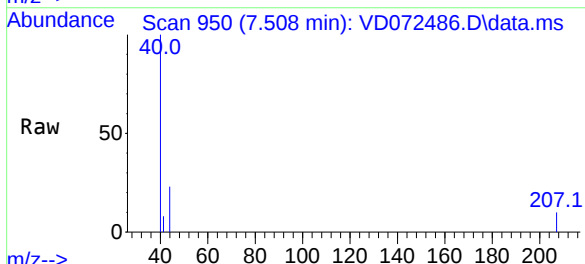
Ion Ratio Lower Upper

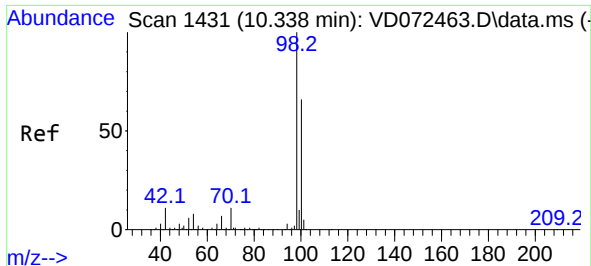
41 100

39 92.6 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

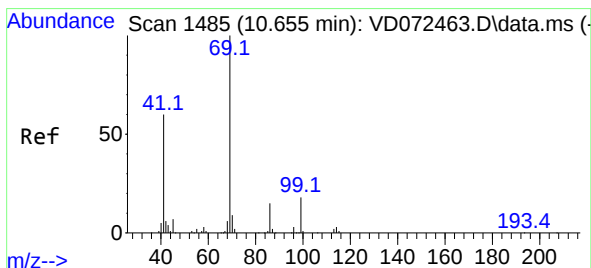
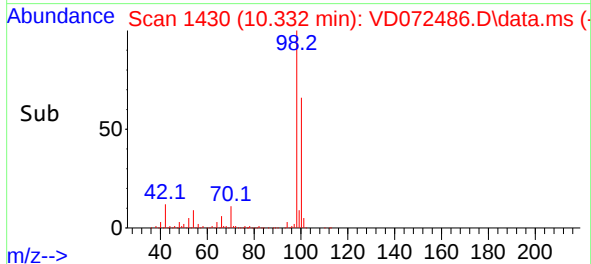
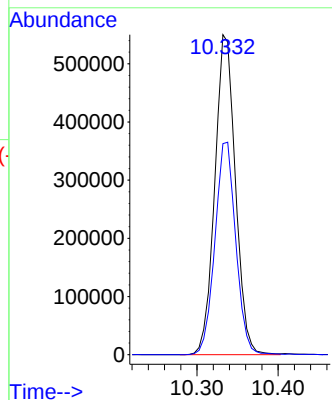
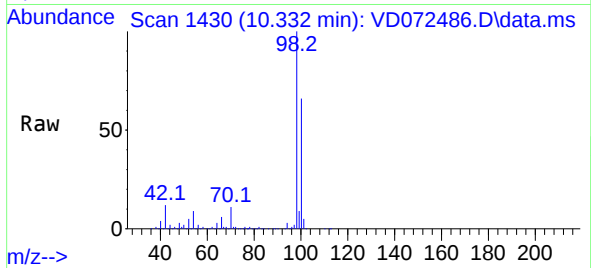




#50
Toluene-d8
Concen: 46.340 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

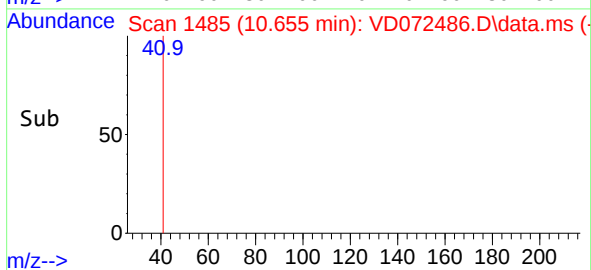
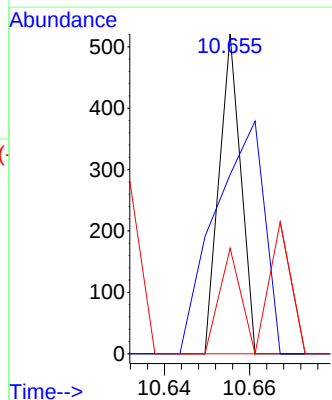
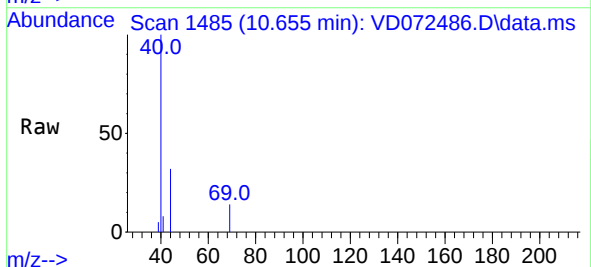
Instrument :
MSVOA_D
ClientSampleId :
VD0331

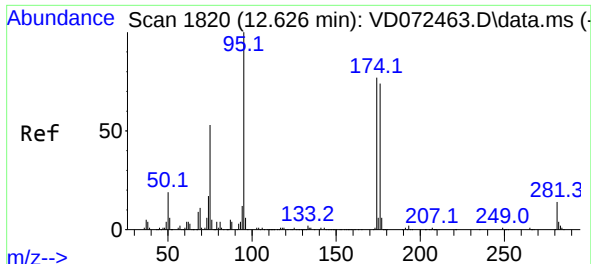
Tgt Ion: 98 Resp: 972886
Ion Ratio Lower Upper
98 100
100 67.1 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.222 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion: 69 Resp: 184
Ion Ratio Lower Upper
69 100
41 165.2 63.0 94.6#
39 33.2 33.8 50.8#

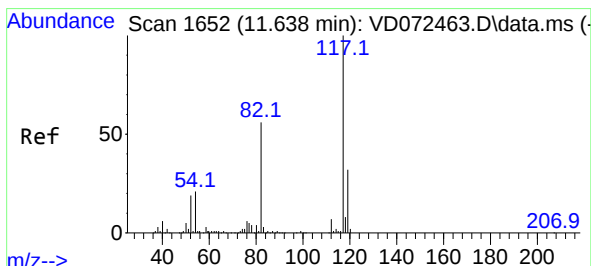
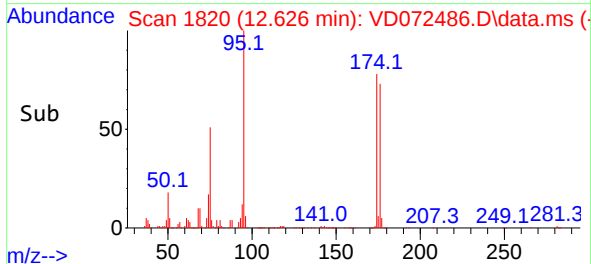
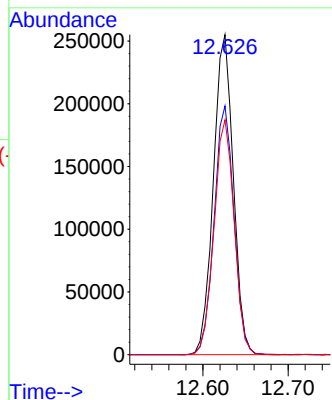
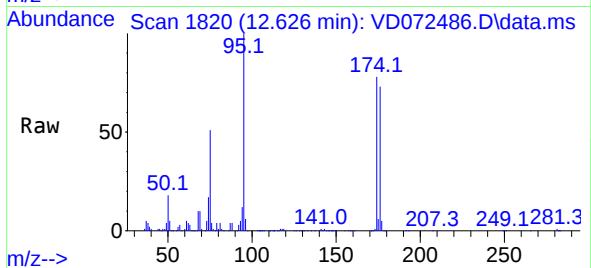




#62
4-Bromofluorobenzene
Concen: 50.566 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

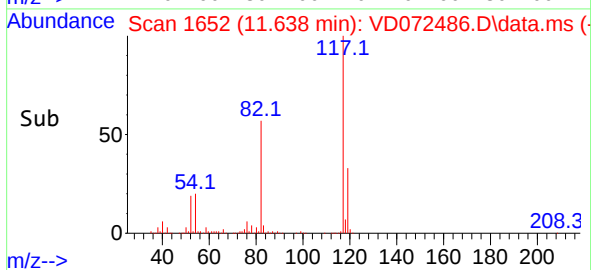
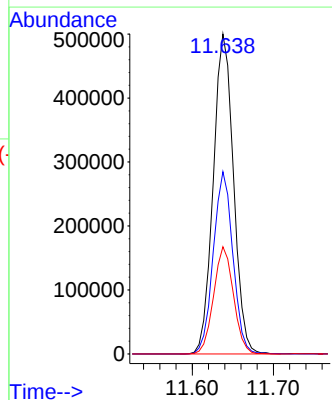
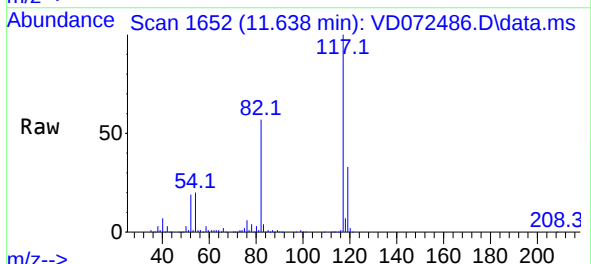
Instrument :
MSVOA_D
ClientSampleId :
VD0331

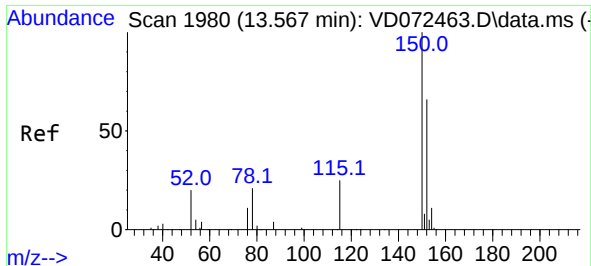
Tgt Ion: 95 Resp: 414603
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 74.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Tgt Ion: 117 Resp: 867852
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 33.5 26.6 40.0

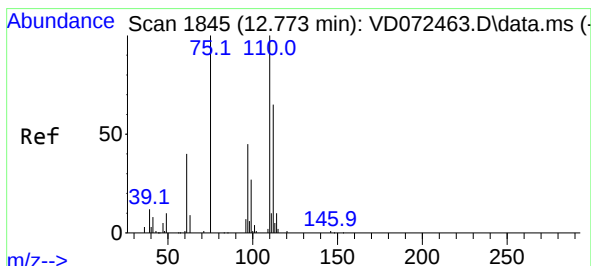
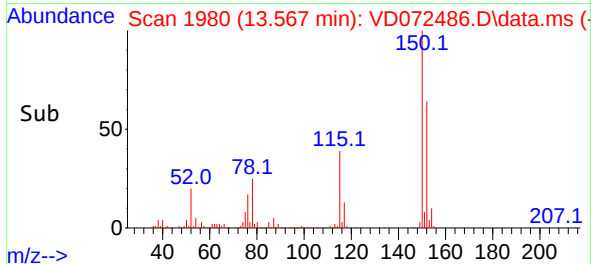
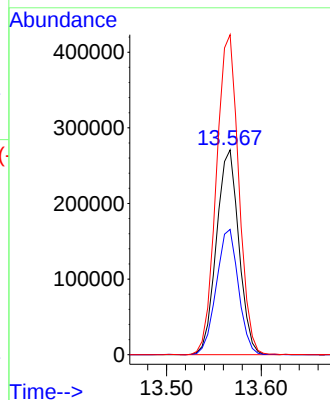
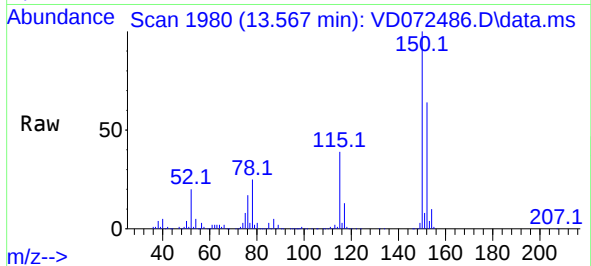




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

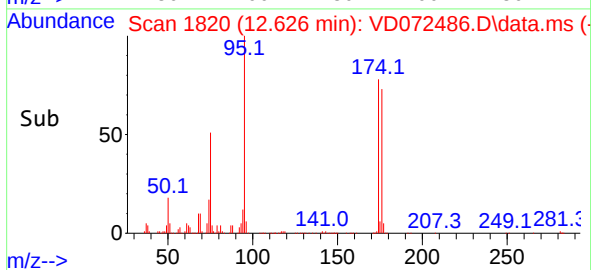
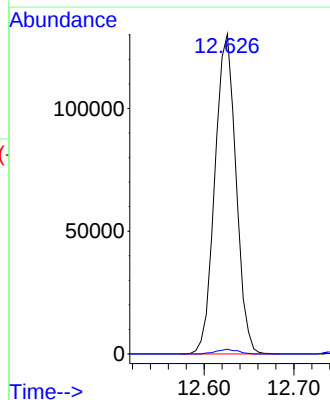
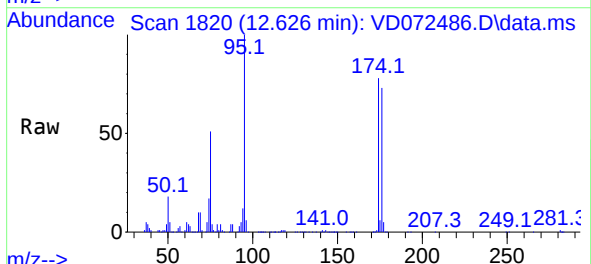
Instrument :
MSVOA_D
ClientSampleId :
VD0331

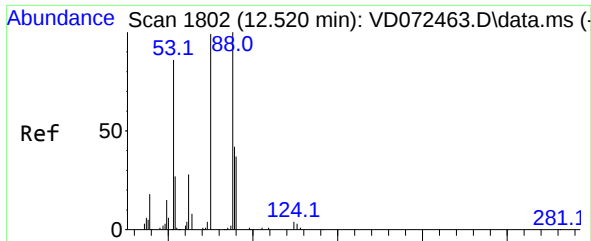
Tgt Ion:152 Resp: 444612
Ion Ratio Lower Upper
152 100
115 60.8 31.3 93.8
150 156.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.863 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

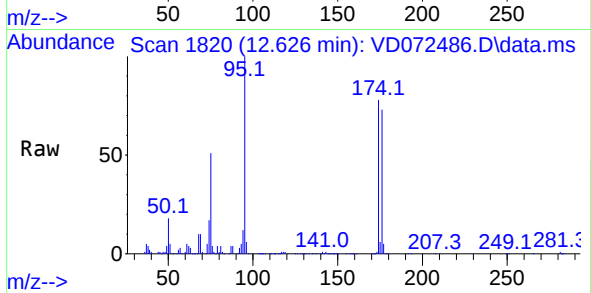
Tgt Ion: 75 Resp: 212700
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 107.631 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD072486.D
Acq: 31 Mar 2022 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0331



Tgt Ion: 75 Resp: 212700
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

