

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072515.D
 Acq On : 04 Apr 2022 13:34
 Operator : VA/SY
 Sample : N2217-02RE
 Misc : 6.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1S

Quant Time: Apr 05 03:19:25 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)

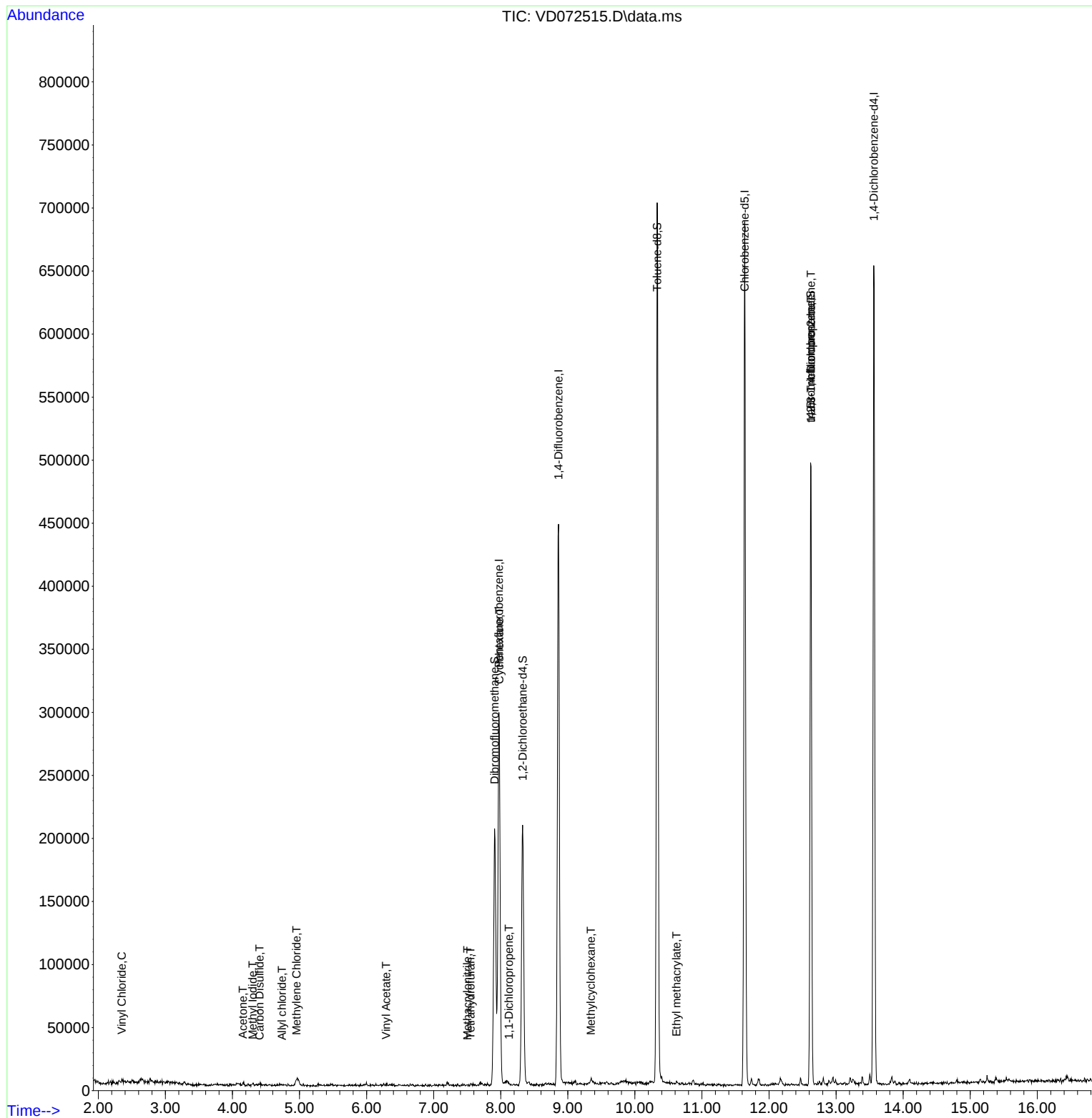
Internal Standards						
1) Pentafluorobenzene	7.973	168	211521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	387112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	391909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	178273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	167408	65.425	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.860%
35) Dibromofluoromethane	7.908	113	145416	48.337	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.680%
50) Toluene-d8	10.332	98	480293	45.929	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.620	95	169580	41.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.040%
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	623	1.293	ug/l #	39
10) Methyl Iodide	4.303	142	1797	4.465	ug/l #	62
14) Allyl chloride	4.738	41	337	1.226	ug/l #	52
16) Acetone	4.156	43	1226	2.570	ug/l #	49
17) Carbon Disulfide	4.403	76	722	3.789	ug/l #	74
20) Methylene Chloride	4.956	84	4858	1.710	ug/l #	58
23) Vinyl Acetate	6.291	43	577	6.426	ug/l #	75
29) Tetrahydrofuran	7.550	42	417	1.047	ug/l #	38
31) Cyclohexane	7.979	56	4984	1.490	ug/l #	19
36) 1,1-Dichloropropene	8.120	75	999	1.378	ug/l #	62
39) Methylcyclohexane	9.344	83	1090	3.106	ug/l #	69
41) Methacrylonitrile	7.503	41	59	1.719	ug/l #	31
56) Ethyl methacrylate	10.620	69	453	1.345	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	87718	45.114	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	87718	110.702	ug/l #	7

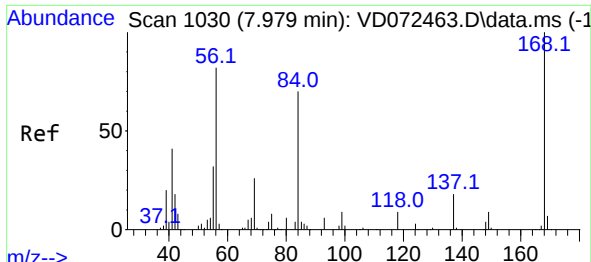
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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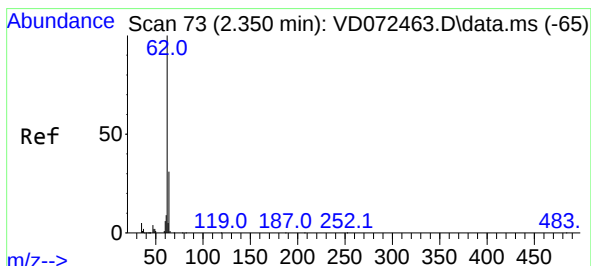
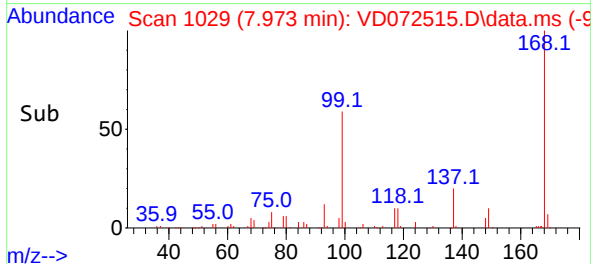
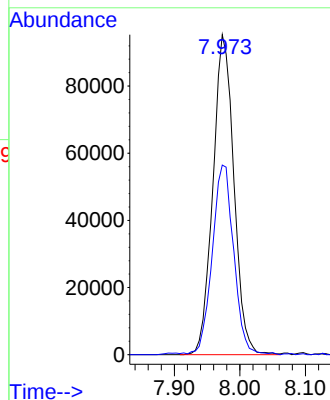
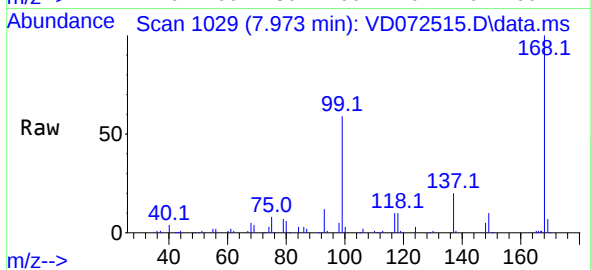




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

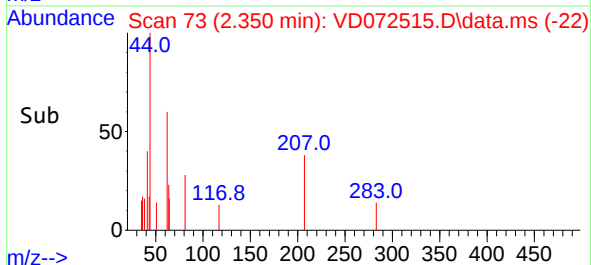
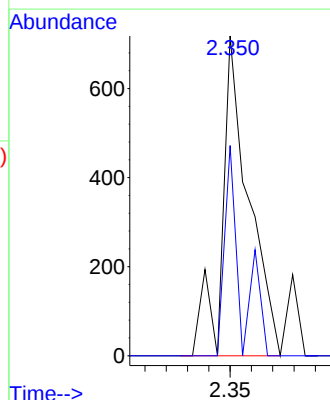
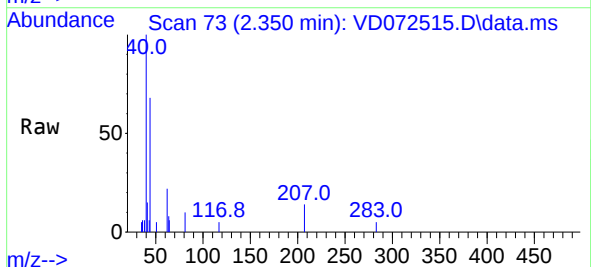
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

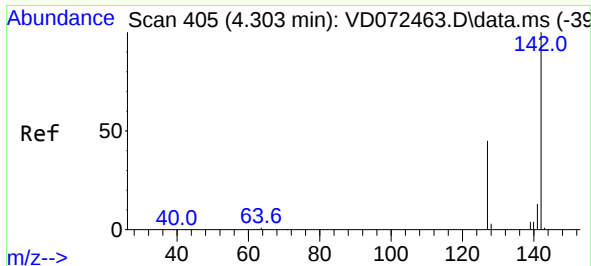
Tgt Ion:168 Resp: 211521
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#4
Vinyl Chloride
Concen: 1.293 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Tgt Ion: 62 Resp: 623
Ion Ratio Lower Upper
62 100
64 65.7 25.4 38.0#

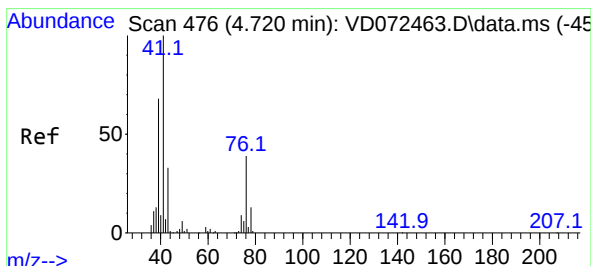
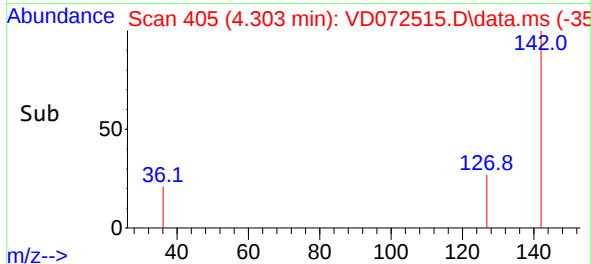
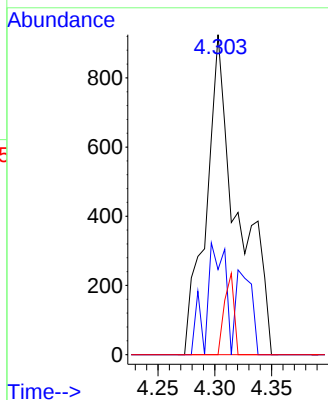
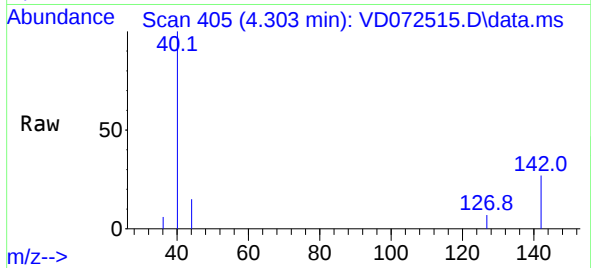




#10
Methyl Iodide
Concen: 4.465 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

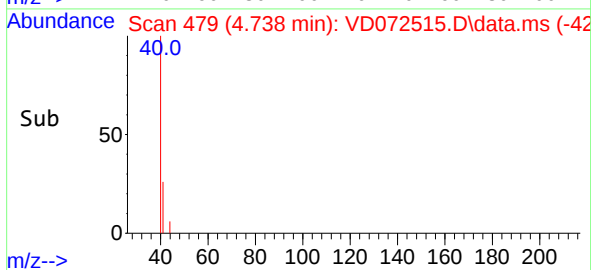
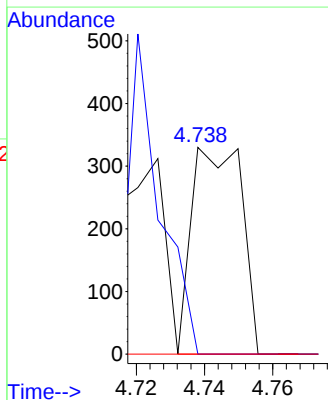
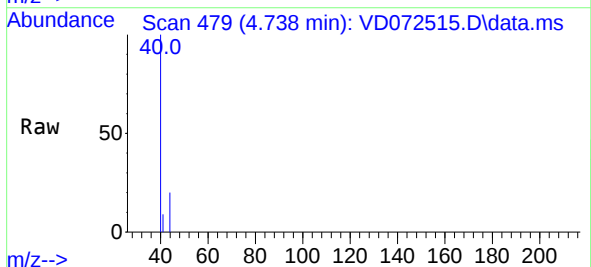
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

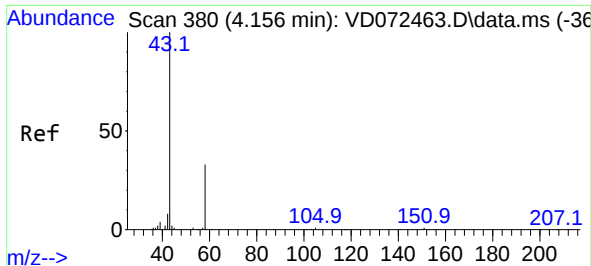
Tgt Ion:142 Resp: 1797
Ion Ratio Lower Upper
142 100
127 20.8 37.3 55.9#
141 0.0 11.7 17.5#



#14
Allyl chloride
Concen: 1.226 ug/l
RT: 4.738 min Scan# 479
Delta R.T. 0.018 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Tgt Ion: 41 Resp: 337
Ion Ratio Lower Upper
41 100
39 110.7 59.3 88.9#
76 0.0 25.7 38.5#

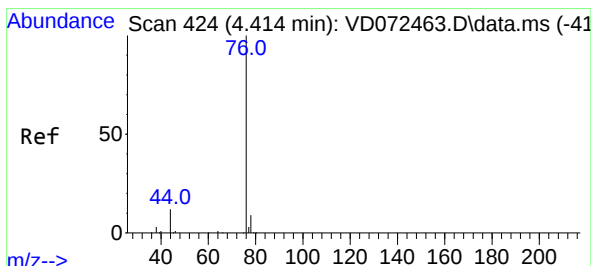
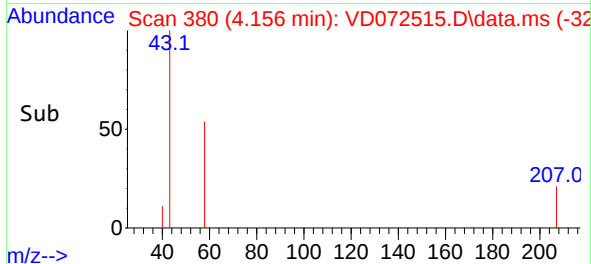
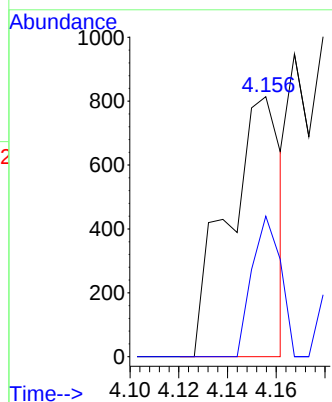
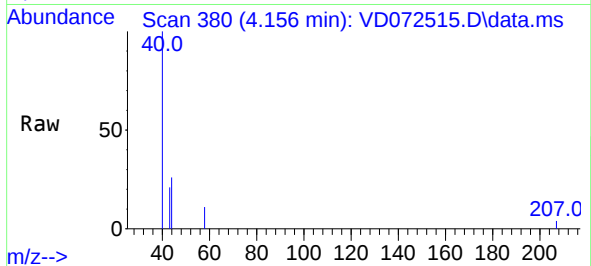




#16
Acetone
Concen: 2.570 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

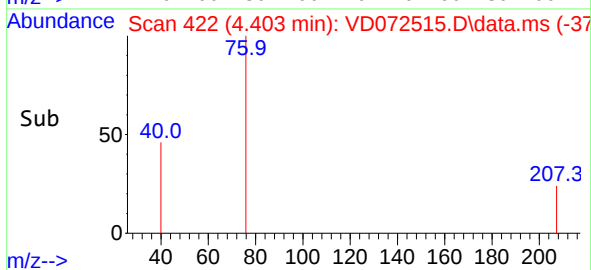
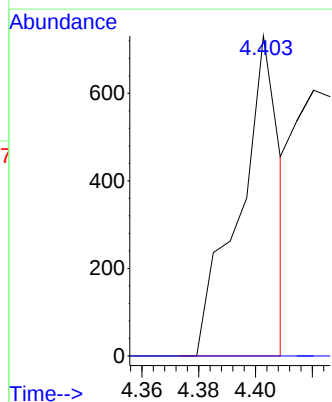
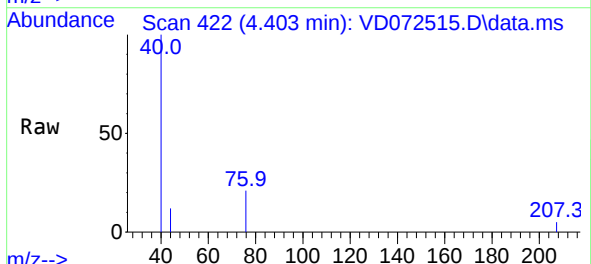
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

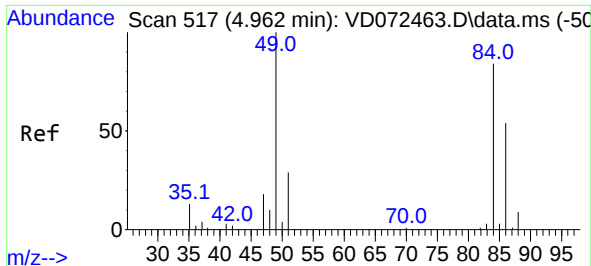
Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
58 54.1 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.789 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Tgt Ion: 76 Resp: 722
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



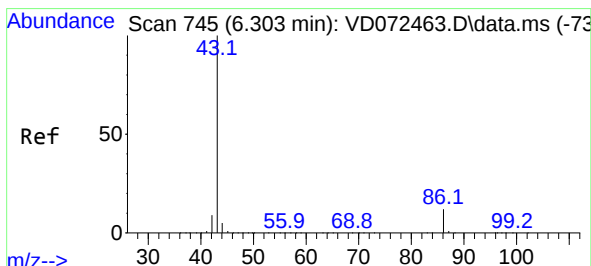
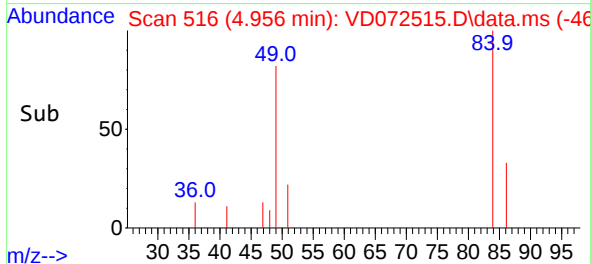
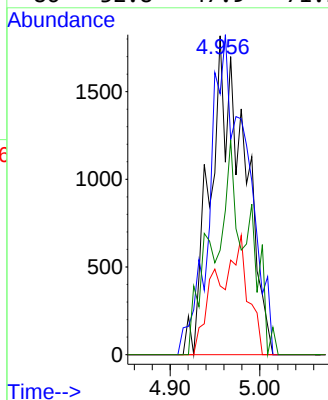
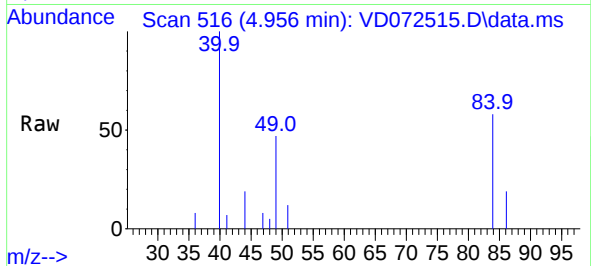


#20
Methylene Chloride
Concen: 1.710 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Instrument :
MSVOA_D
ClientSampleId :
SB-1S

Tgt Ion: 84 Resp: 4858

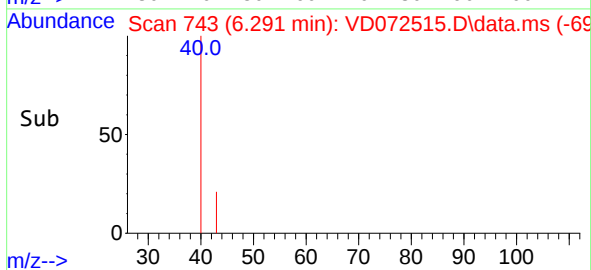
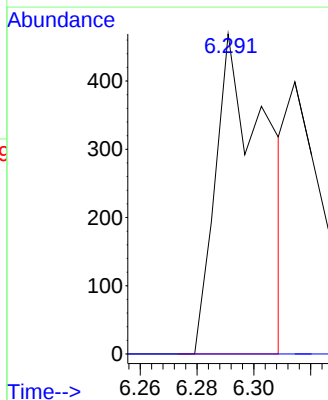
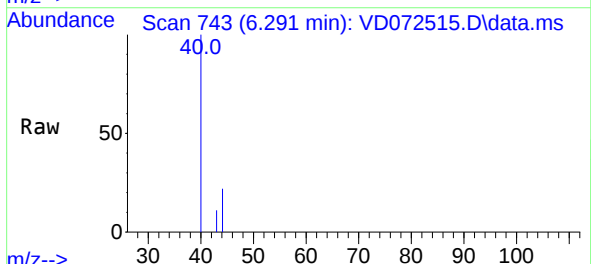
Ion	Ratio	Lower	Upper
84	100		
49	81.8	112.8	169.2#
51	21.6	32.6	48.8#
86	32.8	47.9	71.9#

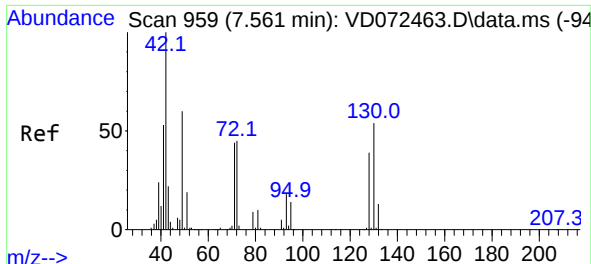


#23
Vinyl Acetate
Concen: 6.426 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Tgt Ion: 43 Resp: 577

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#29

Tetrahydrofuran

Concen: 1.047 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD072515.D

Acq: 04 Apr 2022 13:34

Instrument :

MSVOA_D

ClientSampleId :

SB-1S

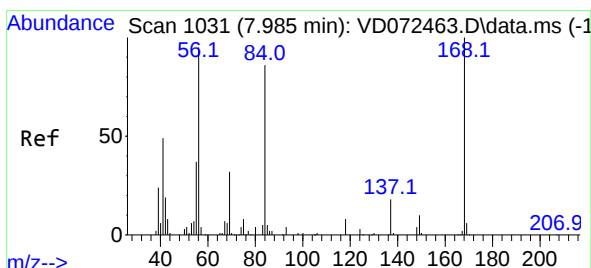
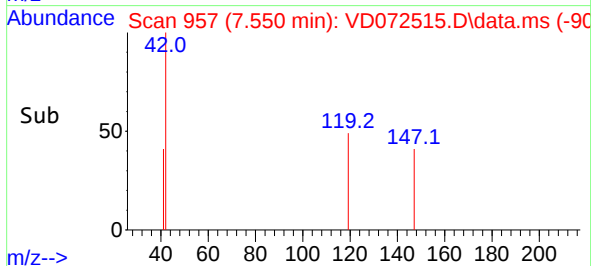
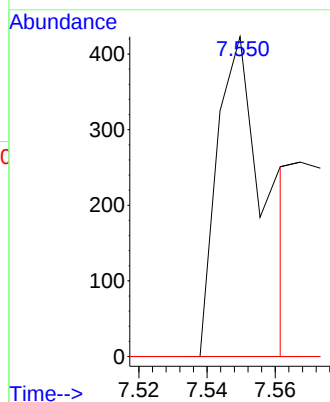
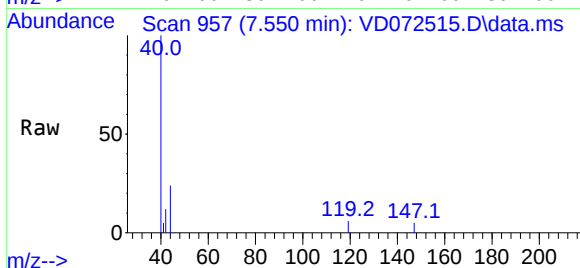
Tgt Ion: 42 Resp: 417

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.490 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072515.D

Acq: 04 Apr 2022 13:34

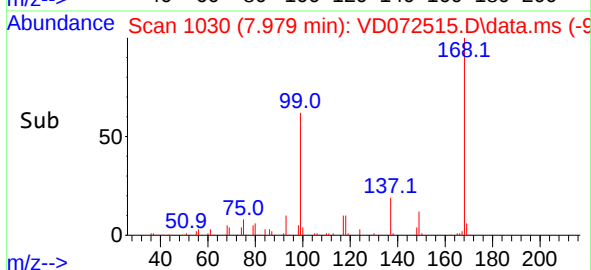
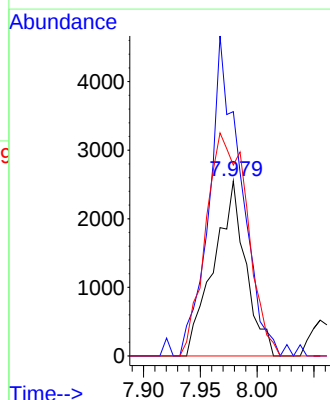
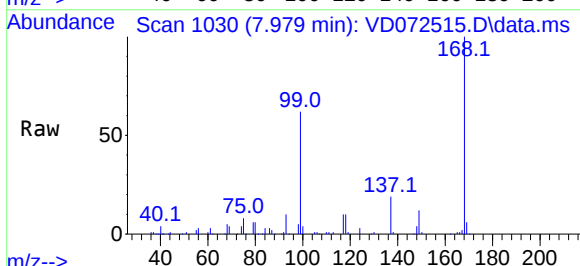
Tgt Ion: 56 Resp: 4984

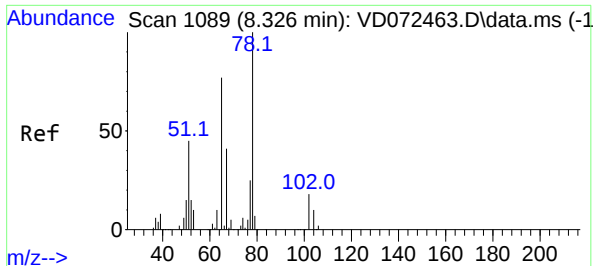
Ion Ratio Lower Upper

56 100

69 139.6 25.4 38.2#

84 109.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 65.425 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072515.D

Acq: 04 Apr 2022 13:34

Instrument :

MSVOA_D

ClientSampleId :

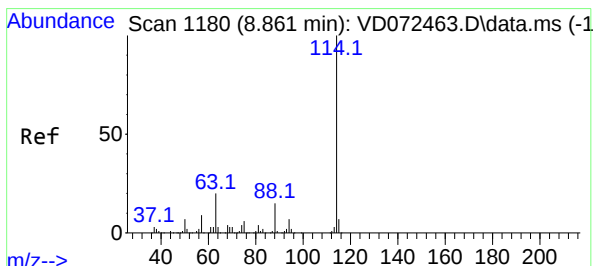
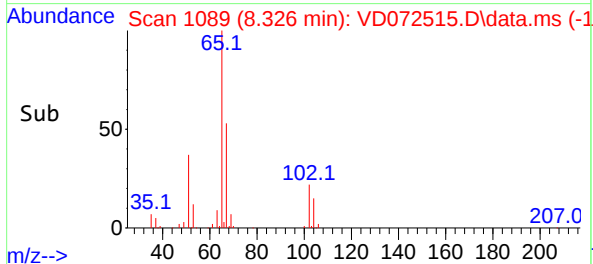
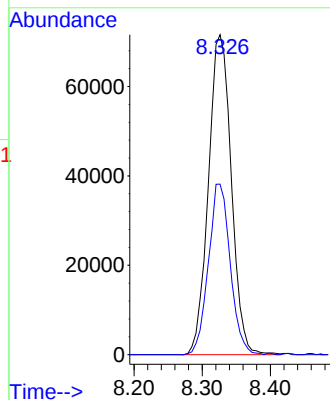
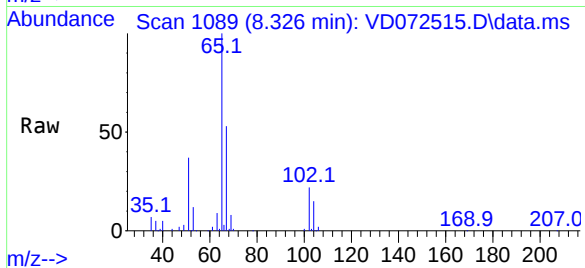
SB-1S

Tgt Ion: 65 Resp: 167408

Ion Ratio Lower Upper

65 100

67 50.8 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: VD072515.D

Acq: 04 Apr 2022 13:34

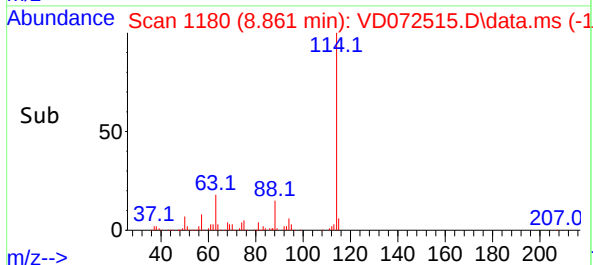
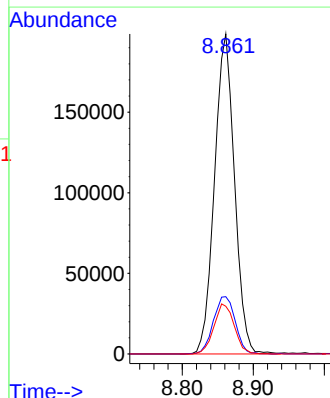
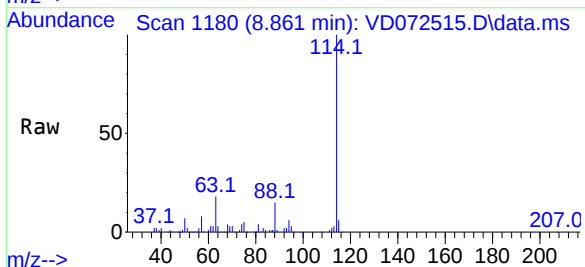
Tgt Ion: 114 Resp: 387112

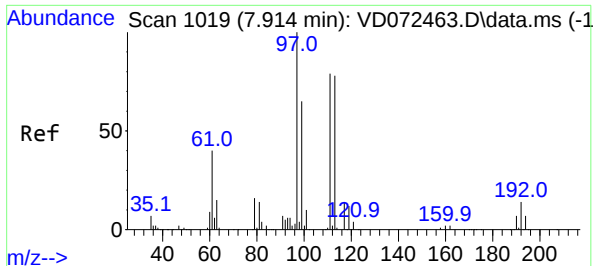
Ion Ratio Lower Upper

114 100

63 17.9 0.0 46.6

88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.337 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072515.D

Acq: 04 Apr 2022 13:34

Instrument :

MSVOA_D

ClientSampleId :

SB-1S

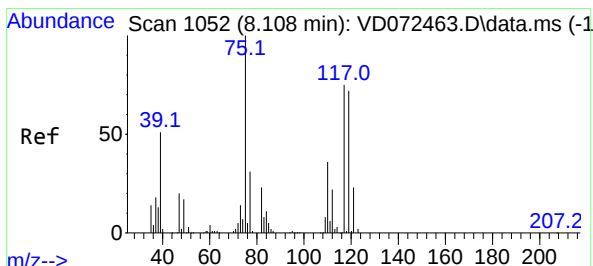
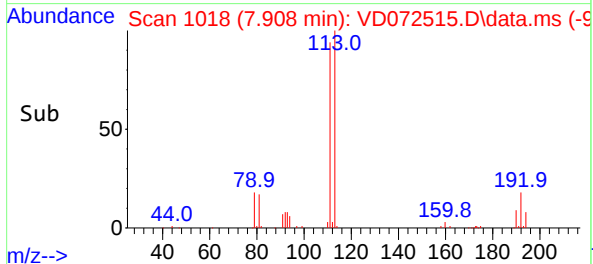
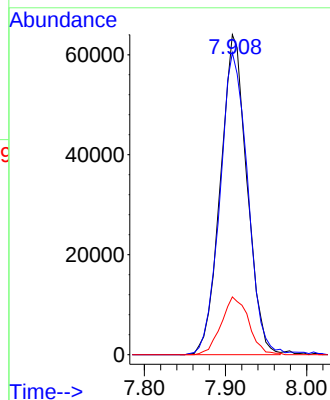
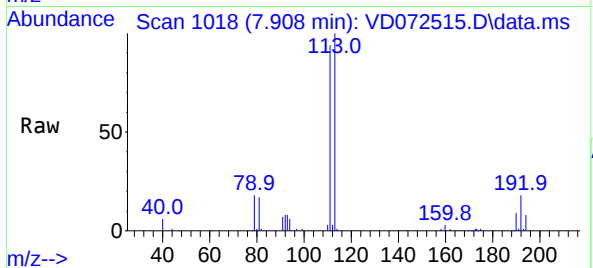
Tgt Ion:113 Resp: 145416

Ion Ratio Lower Upper

113 100

111 98.6 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 1.378 ug/l

RT: 8.120 min Scan# 1054

Delta R.T. 0.012 min

Lab File: VD072515.D

Acq: 04 Apr 2022 13:34

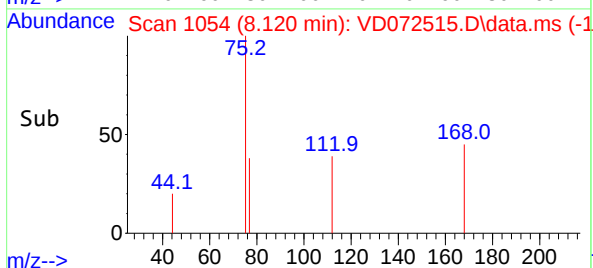
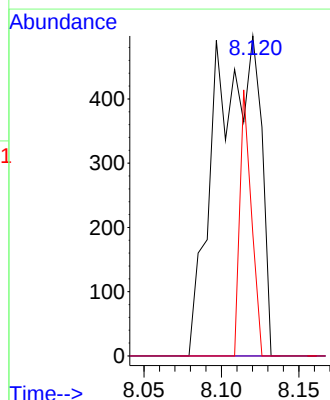
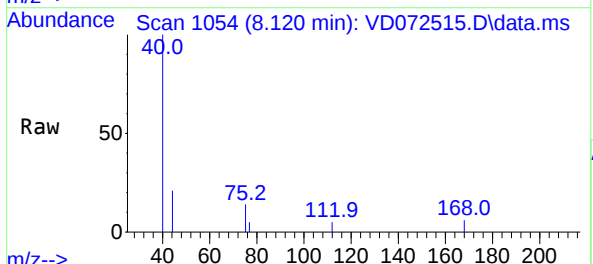
Tgt Ion: 75 Resp: 999

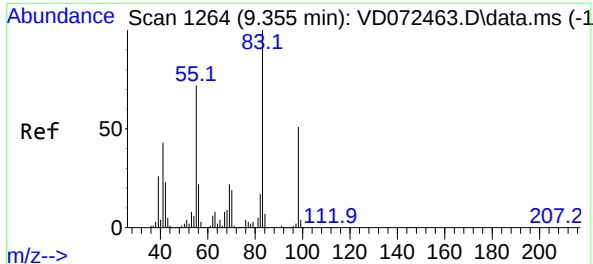
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 21.3 24.2 36.2#

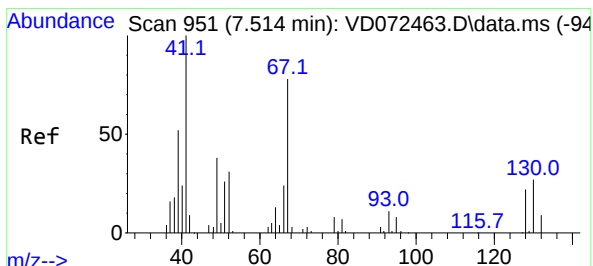
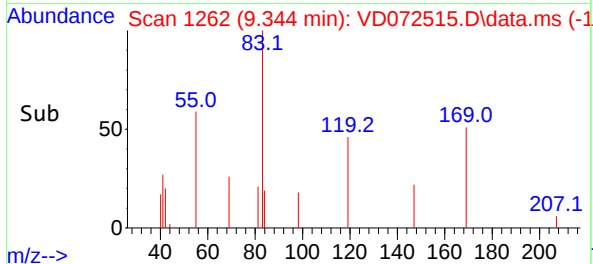
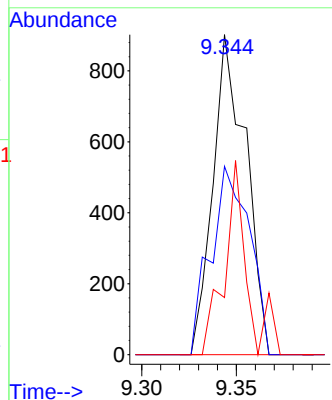
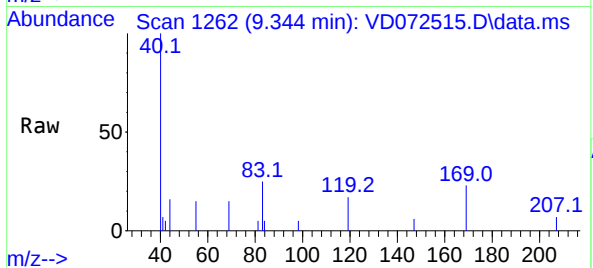




#39
Methylcyclohexane
Concen: 3.106 ug/l
RT: 9.344 min Scan# 11
Delta R.T. -0.011 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

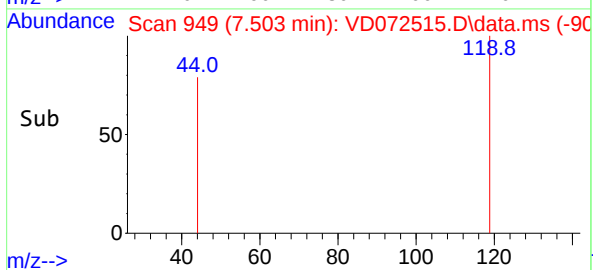
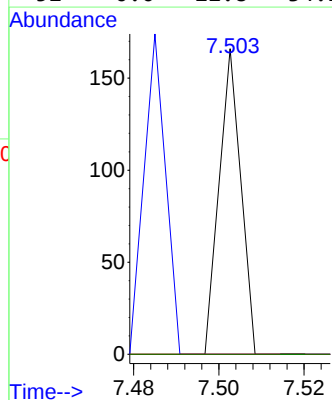
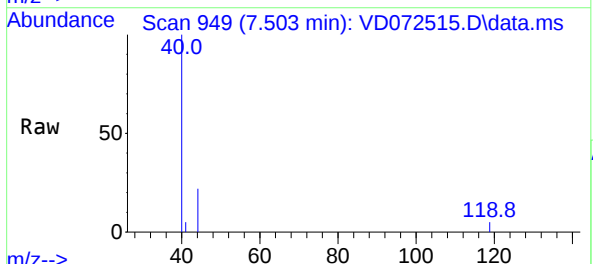
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

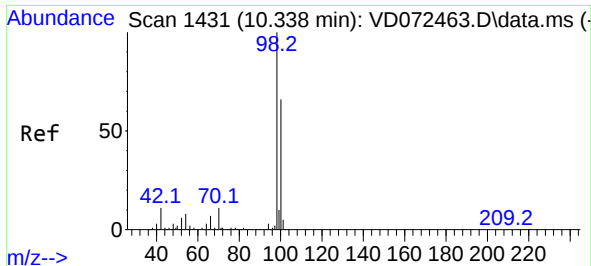
Tgt Ion:	83	Resp:	1090
Ion	Ratio	Lower	Upper
83	100		
55	58.9	63.2	94.8#
98	17.8	38.2	57.4#



#41
Methacrylonitrile
Concen: 1.719 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.011 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Tgt Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
39	103.4	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#

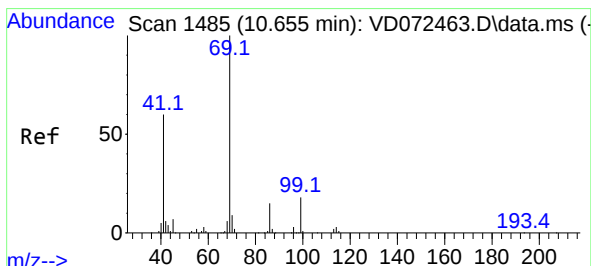
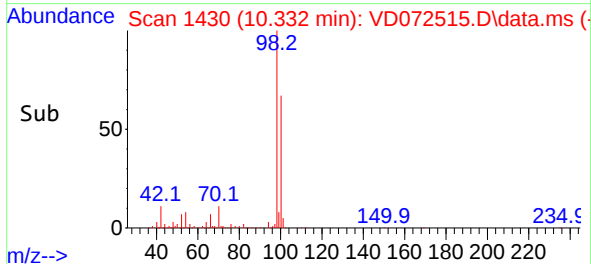
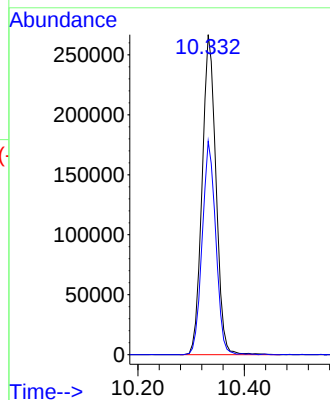
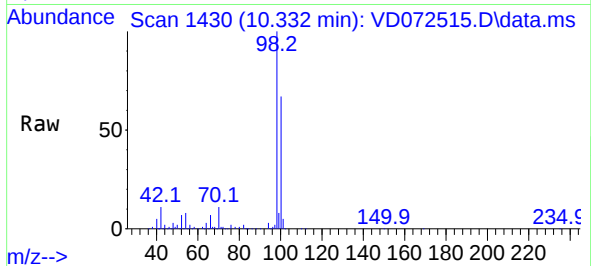




#50
Toluene-d8
Concen: 45.929 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

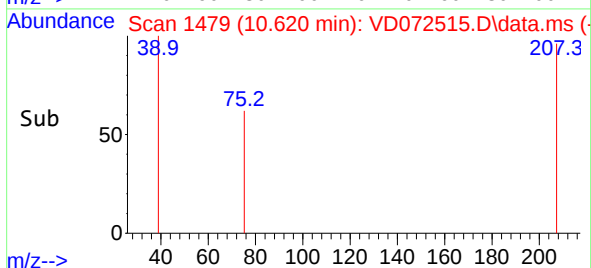
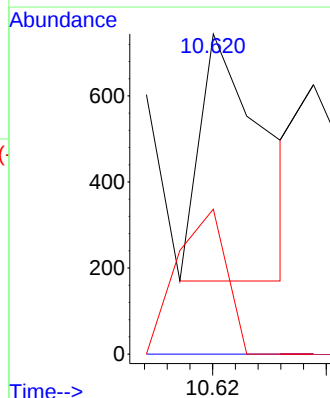
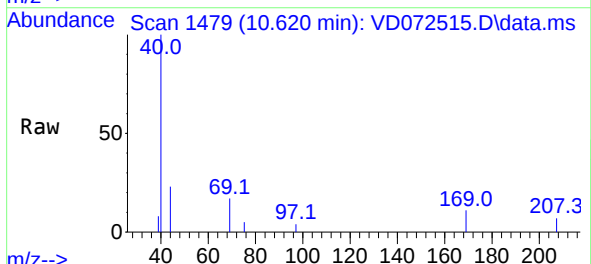
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

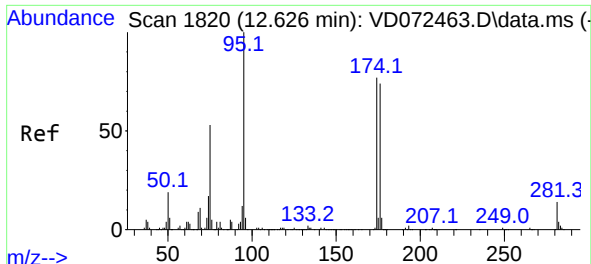
Tgt Ion: 98 Resp: 480293
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.345 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. -0.035 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Tgt Ion: 69 Resp: 453
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 45.0 33.8 50.8

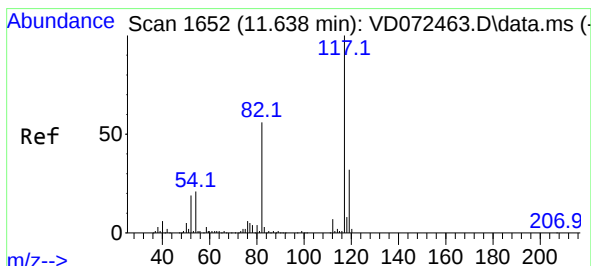
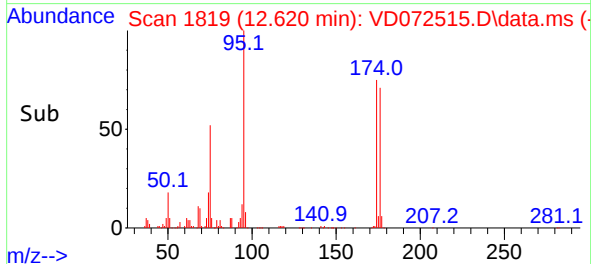
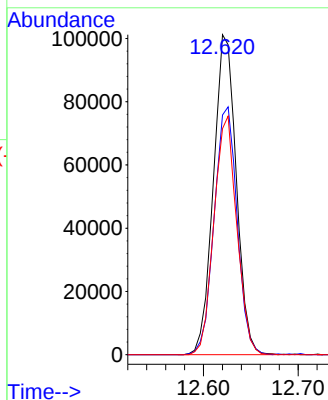
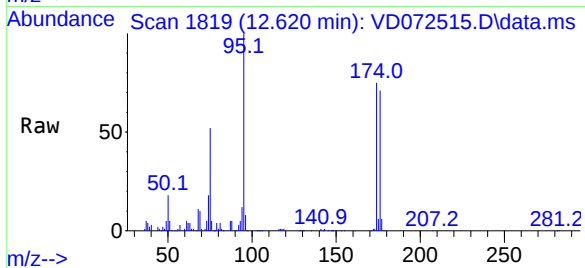




#62
4-Bromofluorobenzene
Concen: 41.522 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

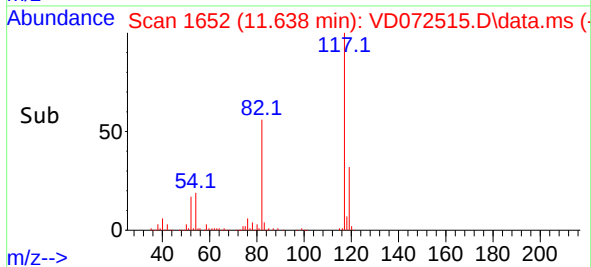
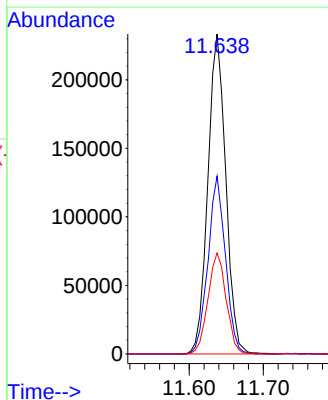
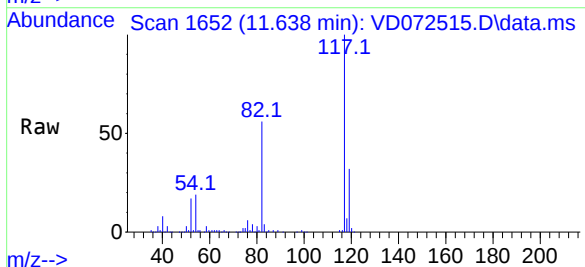
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

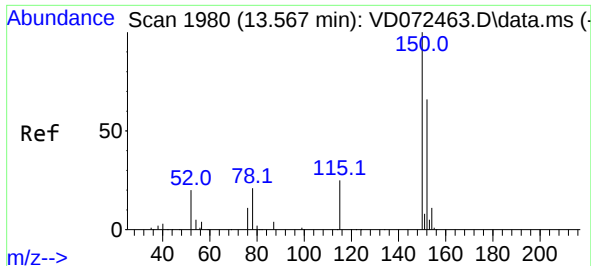
Tgt Ion: 95 Resp: 169580
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 74.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

Tgt Ion: 117 Resp: 391909
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 31.5 26.6 40.0

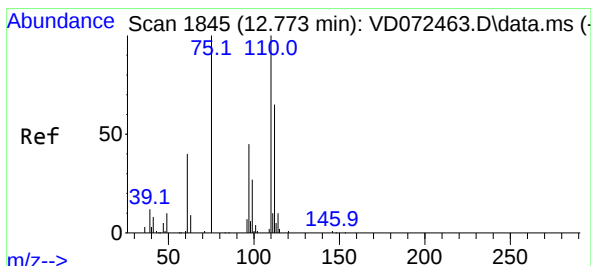
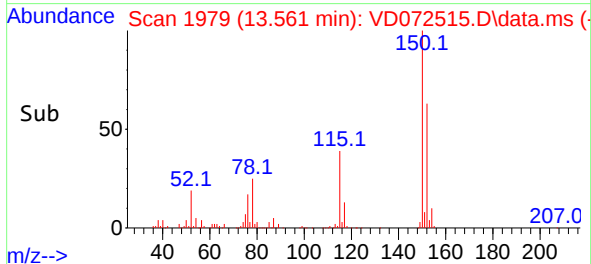
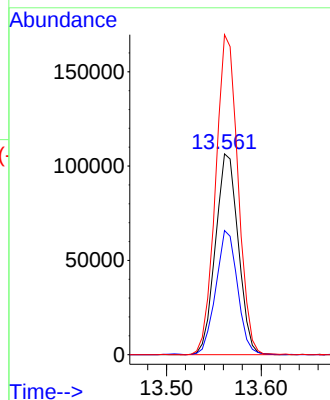
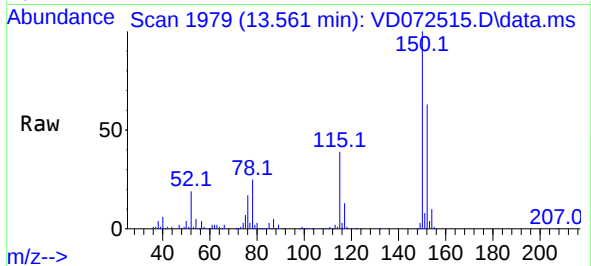




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

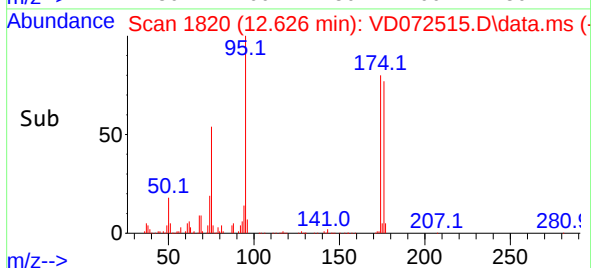
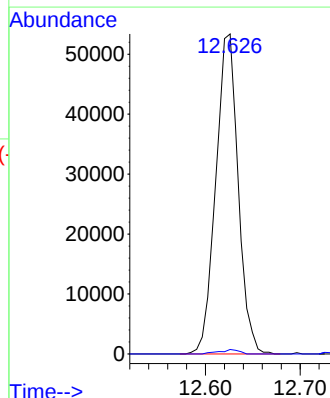
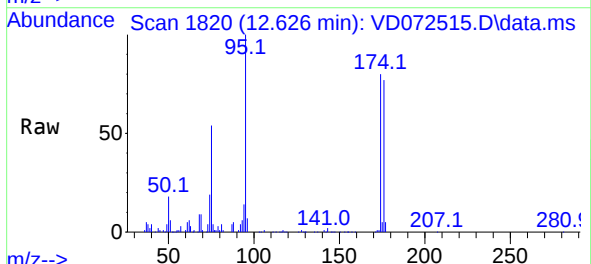
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

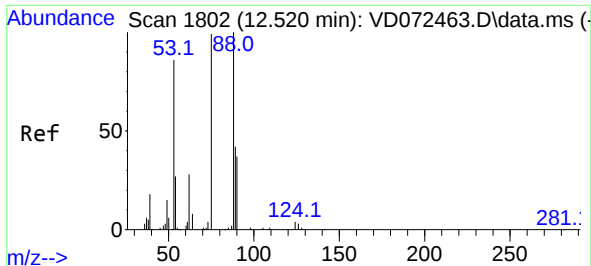
Tgt Ion:152 Resp: 178273
Ion Ratio Lower Upper
152 100
115 58.9 31.3 93.8
150 156.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.114 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072515.D
Acq: 04 Apr 2022 13:34

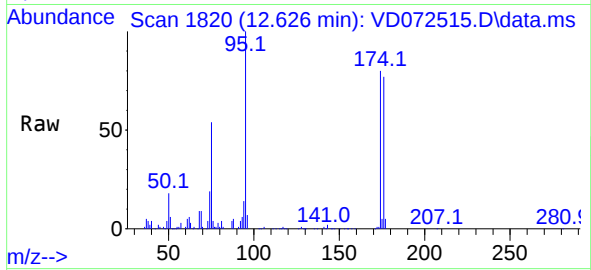
Tgt Ion: 75 Resp: 87718
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.702 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072515.D
 Acq: 04 Apr 2022 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1S



Tgt Ion:	75	Resp:	87718
Ion	Ratio	Lower	Upper
75	100		
53	0.2	86.5	129.7#
89	0.0	33.9	50.9#

