

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069782.D
 Acq On : 21 Jul 2021 11:01
 Operator : VA/SY
 Sample : VD0721SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:38:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	592560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1121115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1315763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	633938	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	324016	43.793	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.580%
35) Dibromofluoromethane	7.914	113	352572	46.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.760%
50) Toluene-d8	10.338	98	1499699	51.324	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.640%
62) 4-Bromofluorobenzene	12.626	95	639533	65.625	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	131.240%

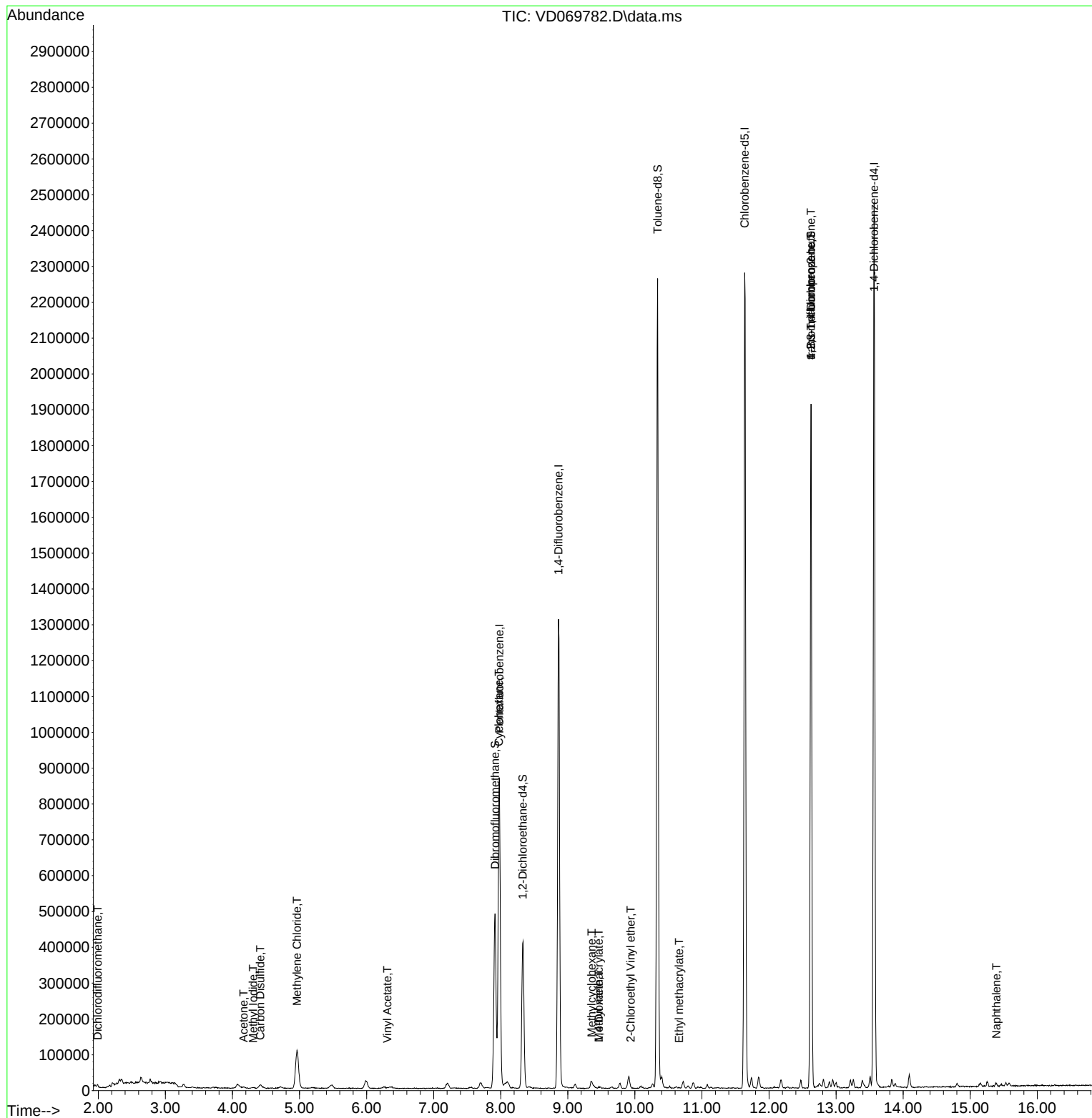
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.991	85	4915	1.409	ug/l	83
5) Bromomethane	2.773	94	7423	Below Cal		95
10) Methyl Iodide	4.309	142	4626	3.065	ug/l #	71
16) Acetone	4.168	43	5791	16.493	ug/l #	72
17) Carbon Disulfide	4.415	76	15576	1.112	ug/l #	93
18) Methyl Acetate	4.720	43	727	Below Cal	#	49
20) Methylene Chloride	4.962	84	87491	3.877	ug/l	96
23) Vinyl Acetate	6.309	43	2009	15.587	ug/l #	88
31) Cyclohexane	7.973	56	20733	2.038	ug/l #	12
39) Methylcyclohexane	9.355	83	6471	2.408	ug/l	88
48) Methyl methacrylate	9.461	41	572	1.237	ug/l #	84
49) 1,4-Dioxane	9.461	88	278	105.540	ug/l #	1
56) Ethyl methacrylate	10.661	69	1004	1.792	ug/l #	63
58) 2-Chloroethyl Vinyl ether	9.938	63	1166	9.689	ug/l #	67
76) 1,2,3-Trichloropropane	12.626	75	318418	51.704	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	318418	138.951	ug/l #	14
95) Naphthalene	15.390	128	7746	2.574	ug/l #	93

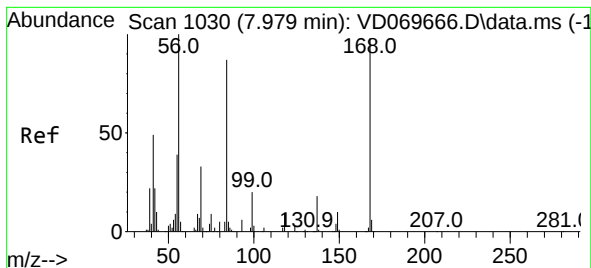
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Jul 22 03:38:10 2021
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Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
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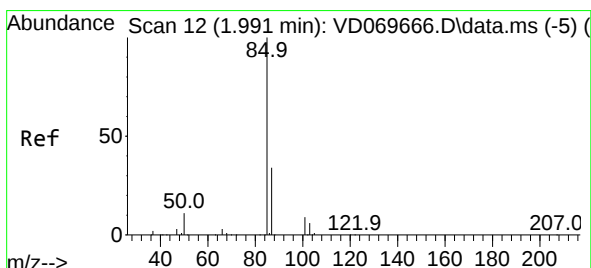
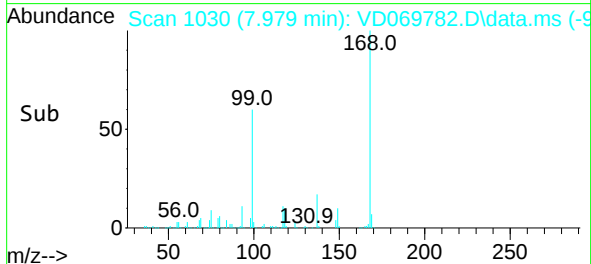
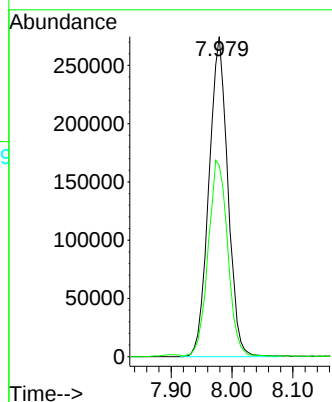
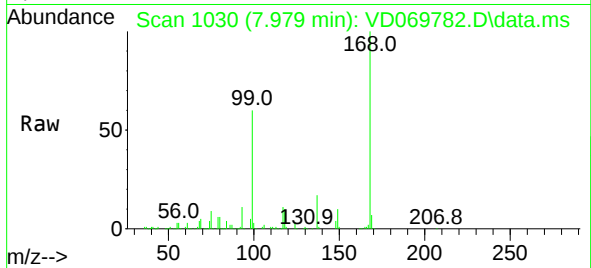




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

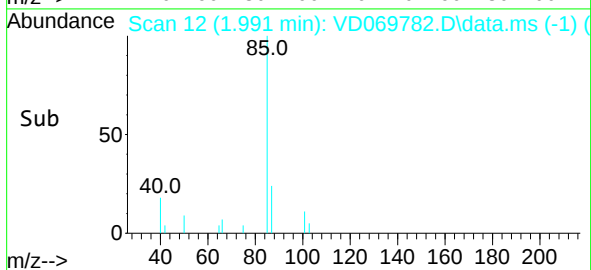
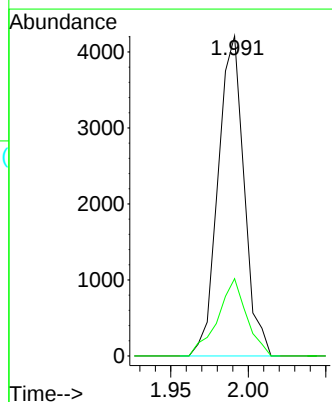
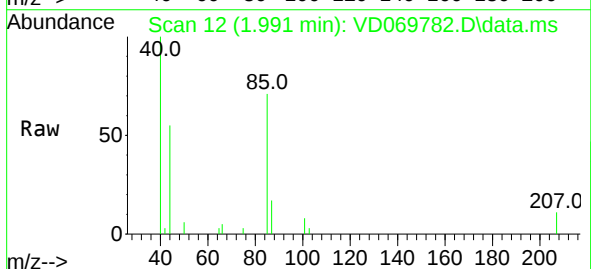
Instrument :
MSVOA_D
ClientSampled :

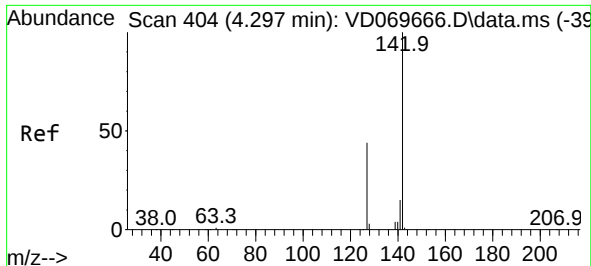
Tgt Ion:168 Resp: 592560
Ion Ratio Lower Upper
168 100
99 59.5 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.409 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

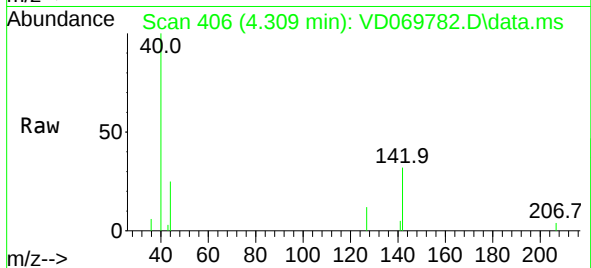
Tgt Ion: 85 Resp: 4915
Ion Ratio Lower Upper
85 100
87 24.2 17.0 51.0



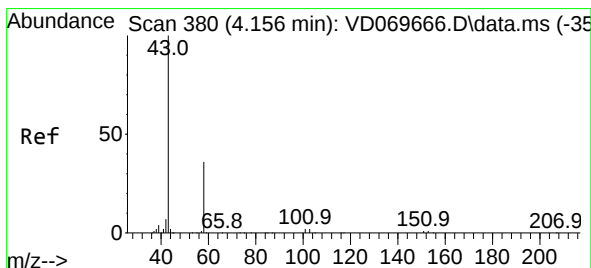
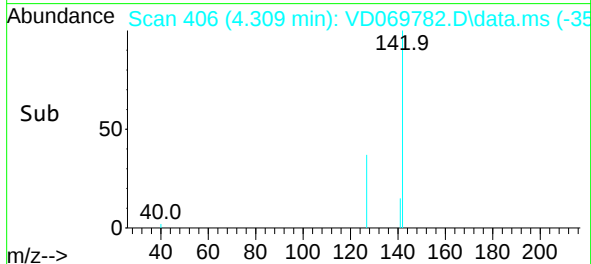
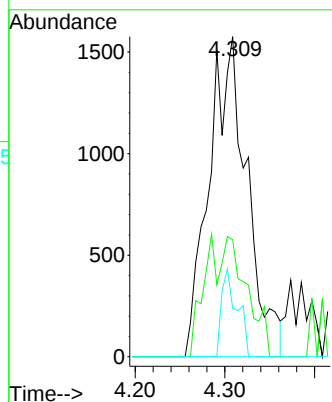


#10
Methyl Iodide
Concen: 3.065 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Instrument :
MSVOA_D
ClientSampleId :

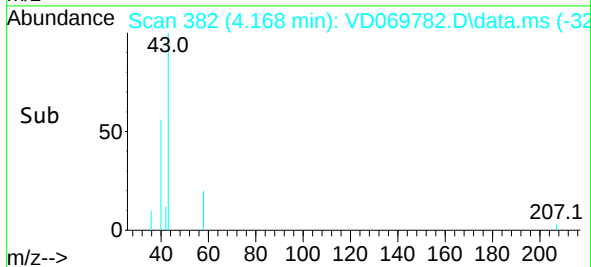
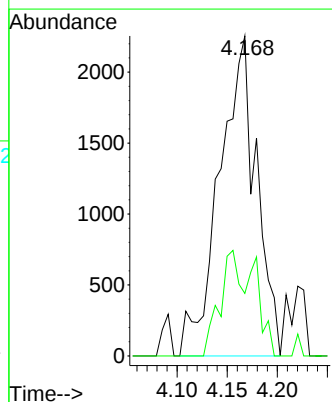
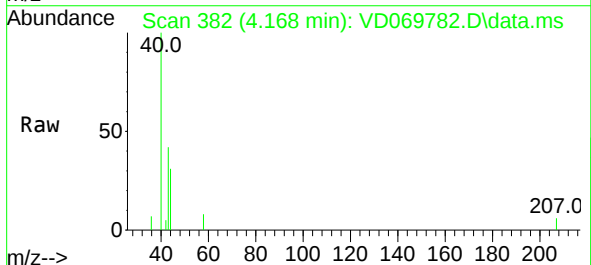


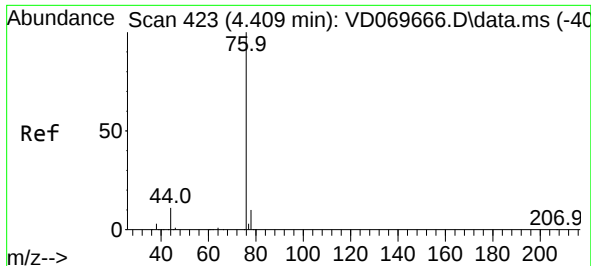
Tgt Ion:142 Resp: 4626
Ion Ratio Lower Upper
142 100
127 22.0 36.1 54.1#
141 11.3 11.6 17.4#



#16
Acetone
Concen: 16.493 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion: 43 Resp: 5791
Ion Ratio Lower Upper
43 100
58 19.6 28.6 42.8#

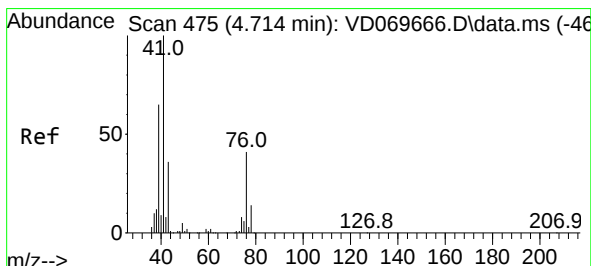
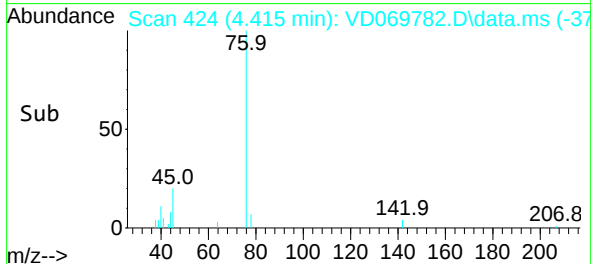
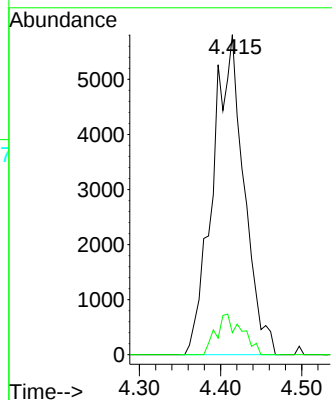
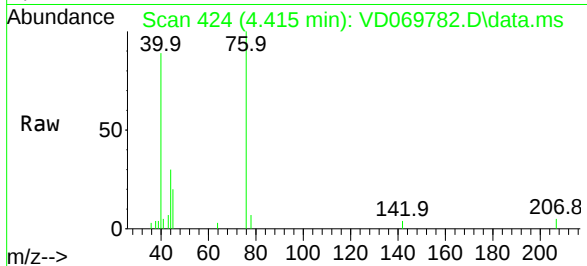




#17
Carbon Disulfide
Concen: 1.112 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

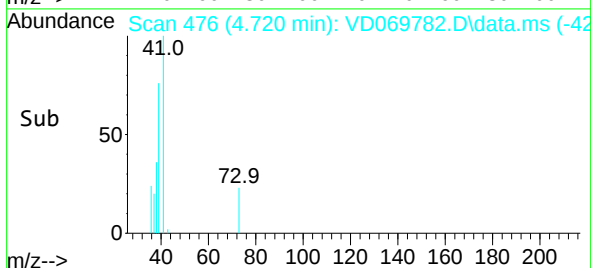
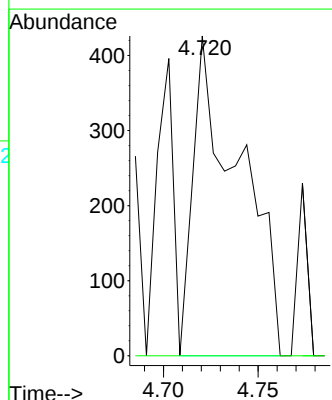
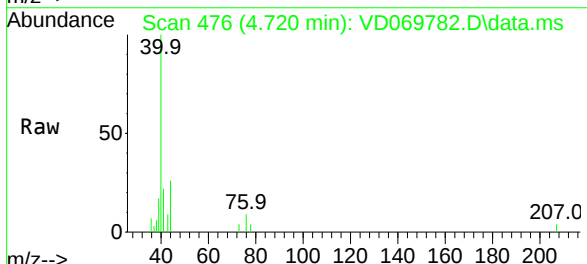
Instrument :
MSVOA_D
ClientSampled :

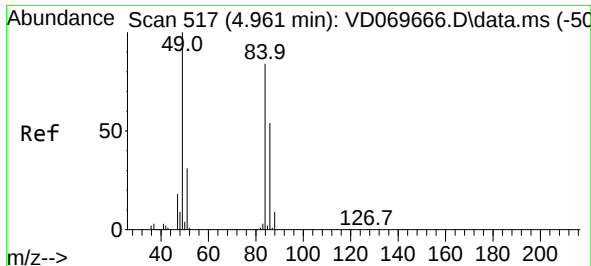
Tgt Ion: 76 Resp: 15576
Ion Ratio Lower Upper
76 100
78 6.9 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

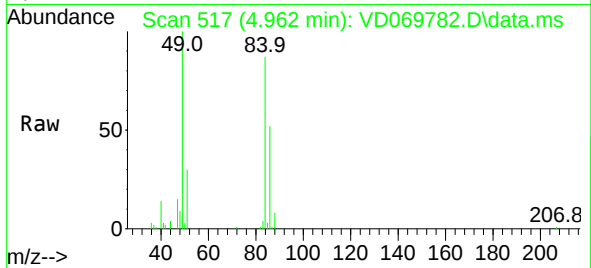
Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



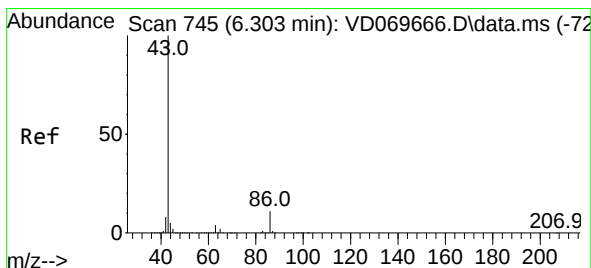
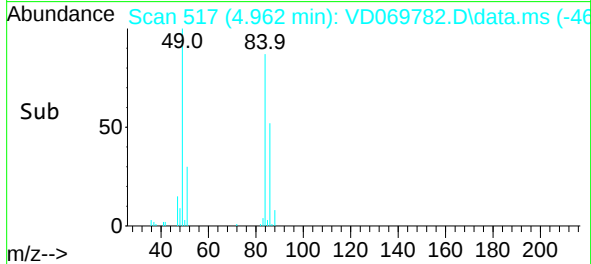
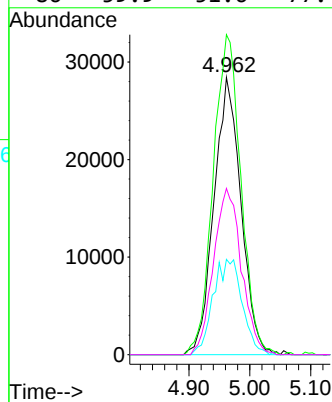


#20
Methylene Chloride
Concen: 3.877 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Instrument :
MSVOA_D
ClientSampled :

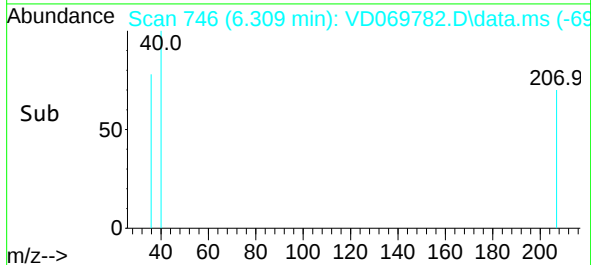
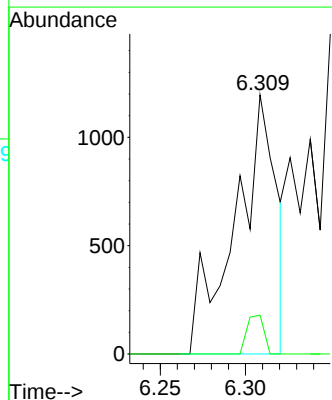
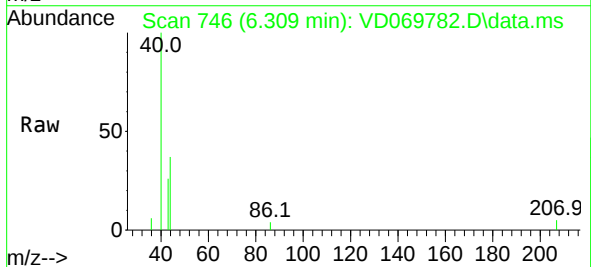


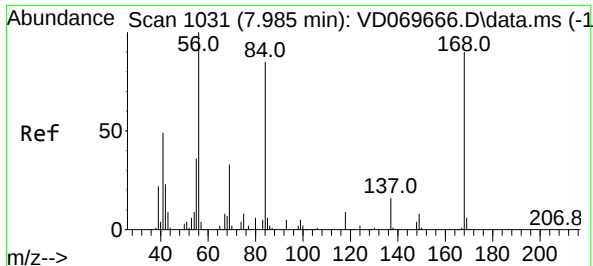
Tgt Ion:	84	Resp:	87491
Ion	Ratio	Lower	Upper
84	100		
49	115.4	95.5	143.3
51	34.4	29.7	44.5
86	59.9	51.6	77.4



#23
Vinyl Acetate
Concen: 15.587 ug/l
RT: 6.309 min Scan# 746
Delta R.T. 0.006 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

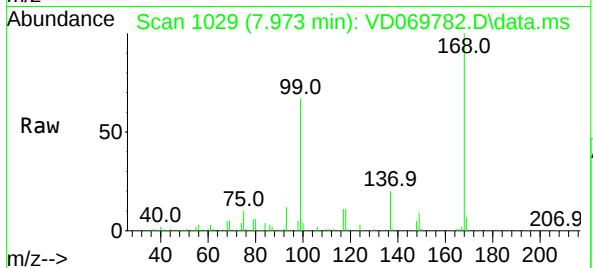
Tgt Ion:	43	Resp:	2009
Ion	Ratio	Lower	Upper
43	100		
86	15.1	8.6	12.8#



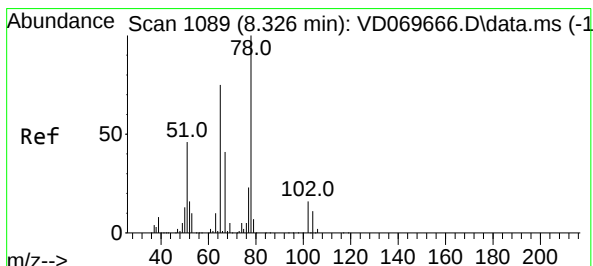
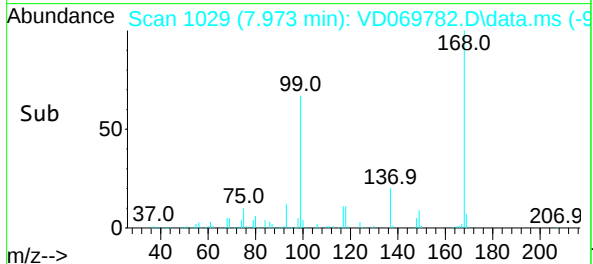
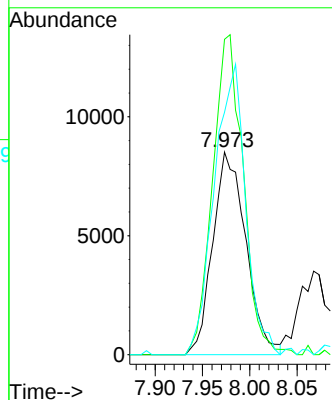


#31
Cyclohexane
Concen: 2.038 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Instrument :
MSVOA_D
ClientSampleId :

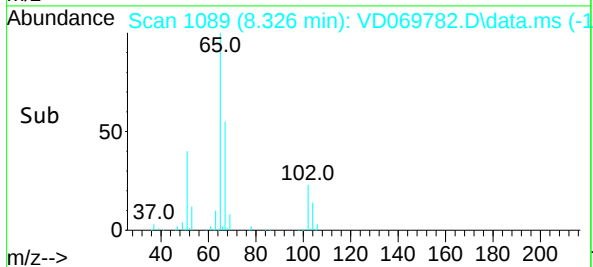
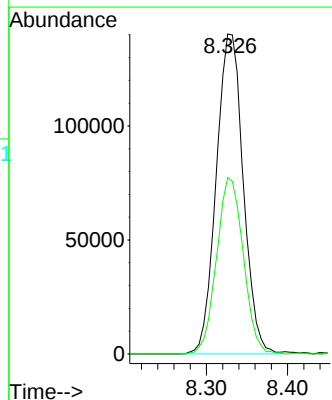
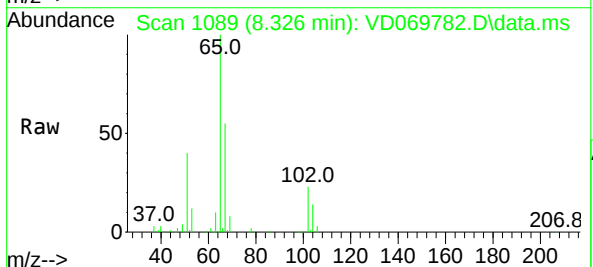


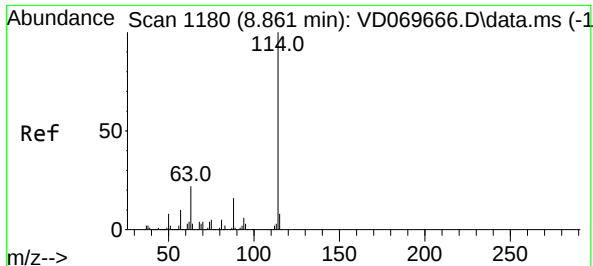
Tgt Ion: 56 Resp: 20733
Ion Ratio Lower Upper
56 100
69 155.7 26.6 39.8#
84 119.6 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 43.793 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion: 65 Resp: 324016
Ion Ratio Lower Upper
65 100
67 54.5 0.0 107.2



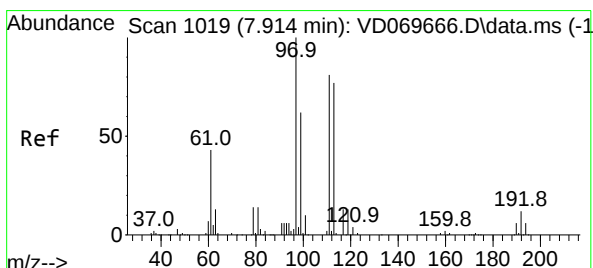
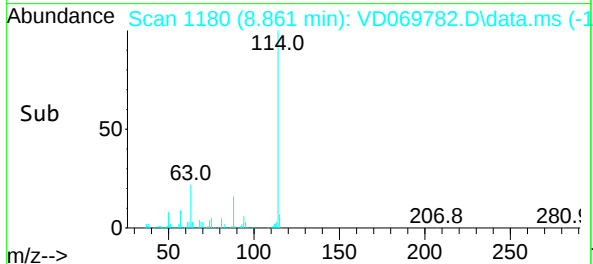
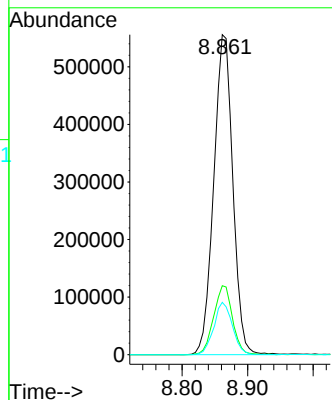
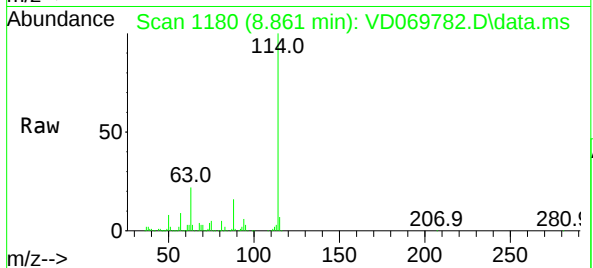


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Instrument :
MSVOA_D
ClientSampled :

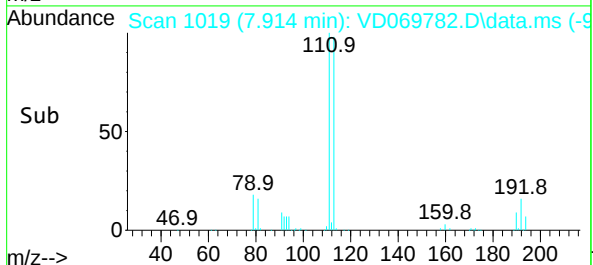
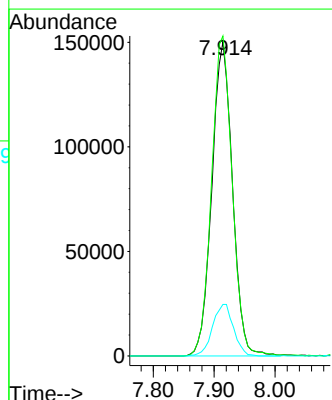
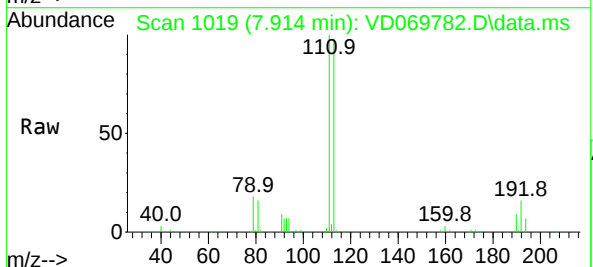
Tgt Ion:114 Resp: 1121115
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.4
88 16.4 0.0 32.0

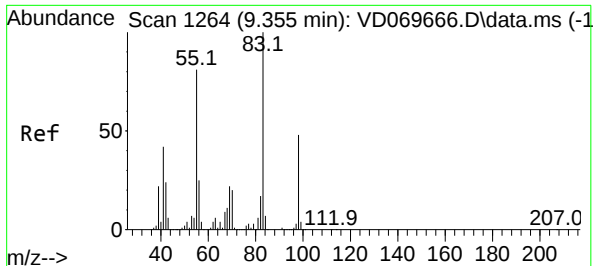


#35

Dibromofluoromethane
Concen: 46.876 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion:113 Resp: 352572
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 16.7 12.7 19.1





#39

Methylcyclohexane

Concen: 2.408 ug/l

RT: 9.355 min Scan# 1264

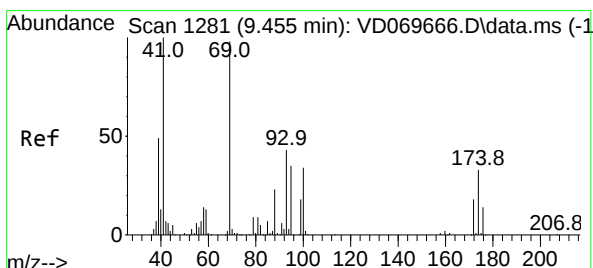
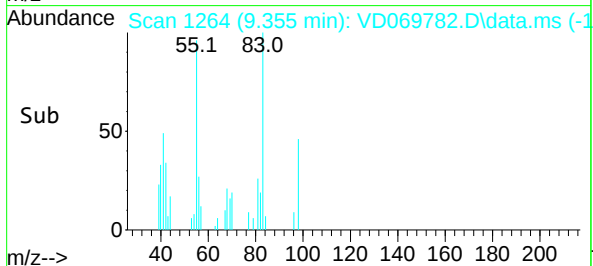
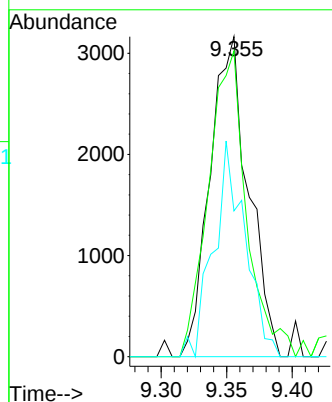
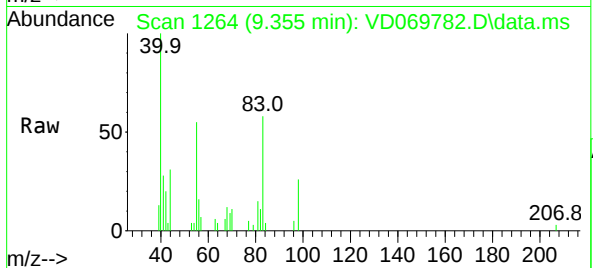
Delta R.T. 0.000 min

Lab File: VD069782.D

Acq: 21 Jul 2021 11:01

Tgt Ion:	83	Resp:	6471
Ion	Ratio	Lower	Upper
83	100		
55	95.6	64.6	97.0
98	45.6	38.4	57.6

Instrument :
MSVOA_D
ClientSampled :



#48

Methyl methacrylate

Concen: 1.237 ug/l

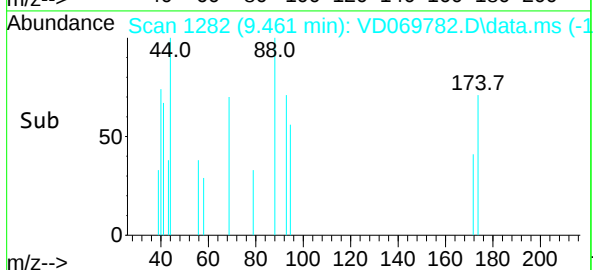
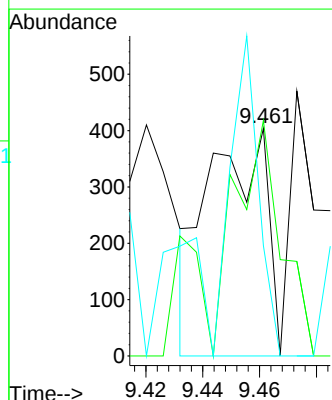
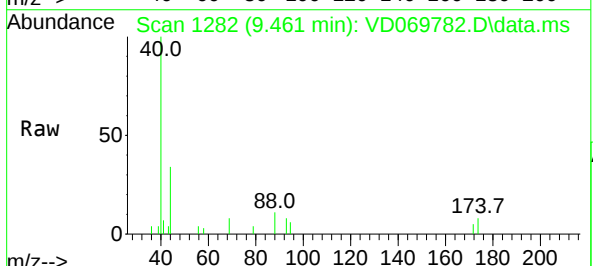
RT: 9.461 min Scan# 1282

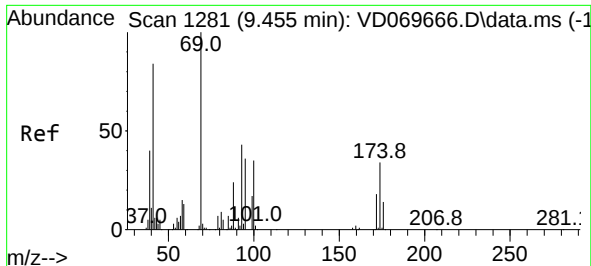
Delta R.T. 0.006 min

Lab File: VD069782.D

Acq: 21 Jul 2021 11:01

Tgt Ion:	41	Resp:	572
Ion	Ratio	Lower	Upper
41	100		
69	82.7	71.6	107.4
39	67.8	36.7	55.1#

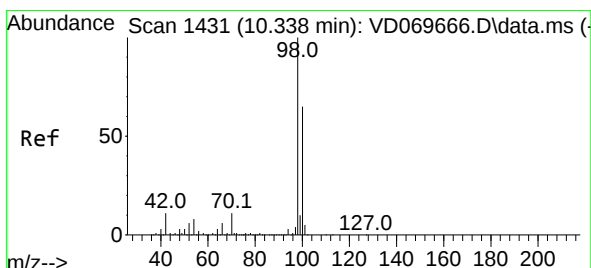
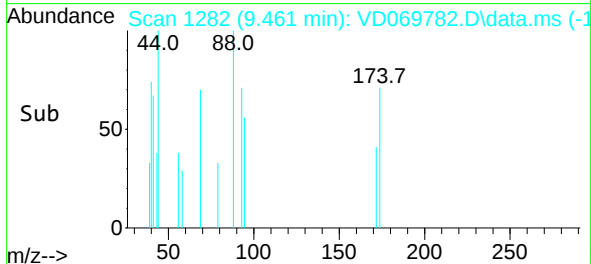
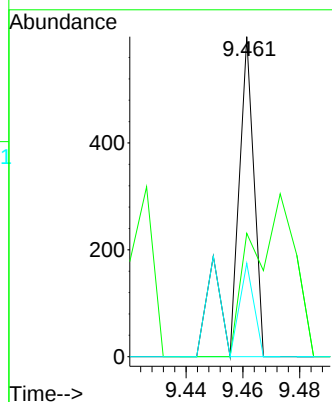
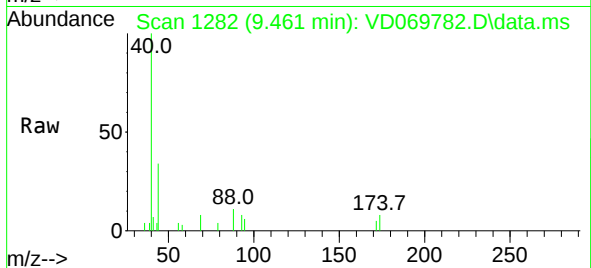




#49
1,4-Dioxane
Concen: 105.540 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

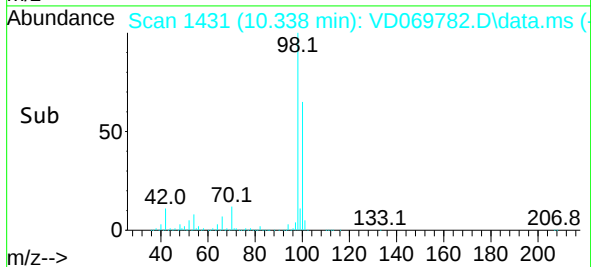
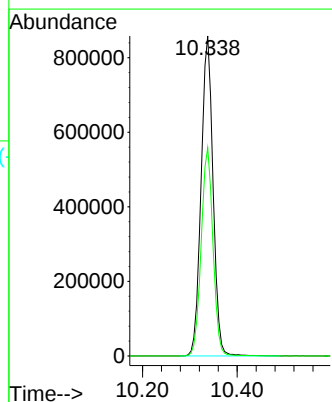
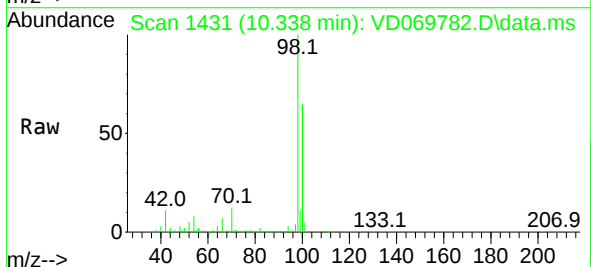
Instrument :
MSVOA_D
ClientSampleId :

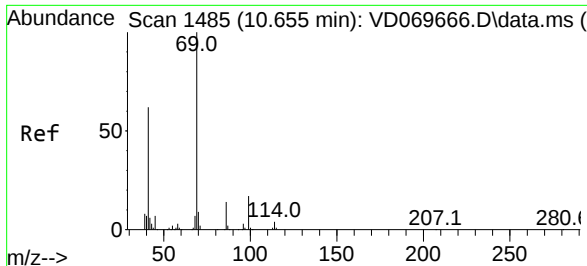
Tgt Ion: 88 Resp: 278
Ion Ratio Lower Upper
88 100
43 112.6 25.3 37.9#
58 0.0 62.6 94.0#



#50
Toluene-d8
Concen: 51.324 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion: 98 Resp: 1499699
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

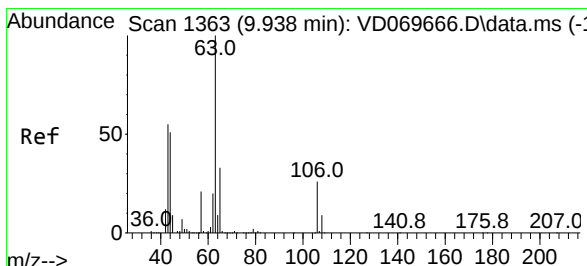
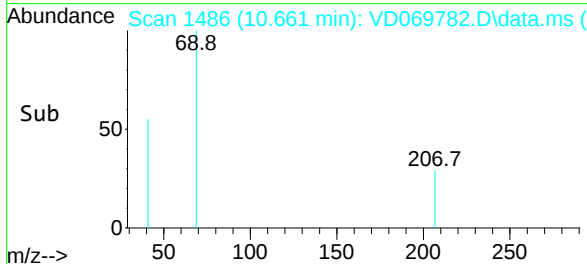
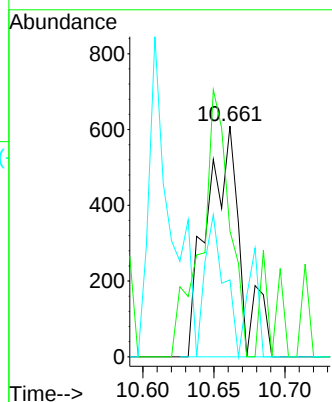
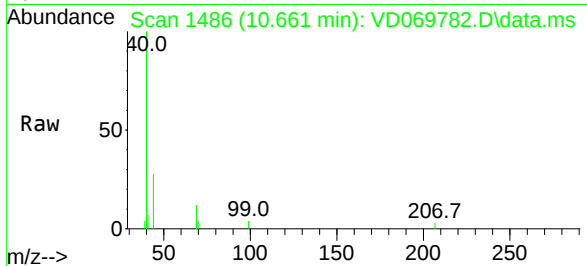




#56
Ethyl methacrylate
Concen: 1.792 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

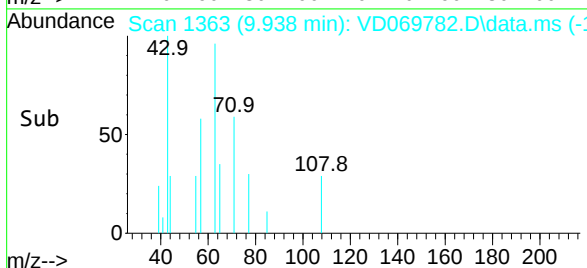
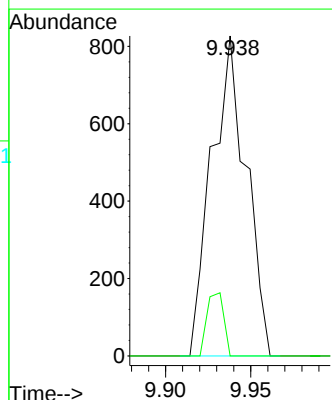
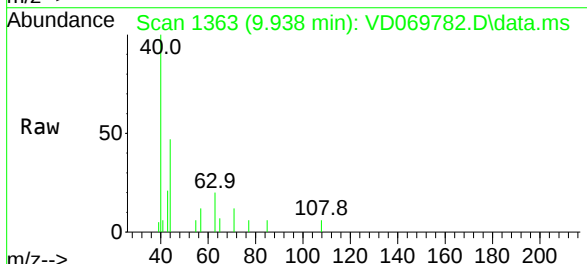
Instrument :
MSVOA_D
ClientSampleId :

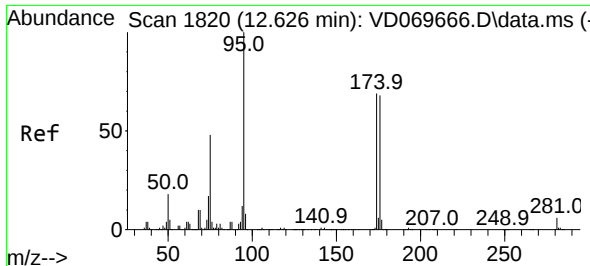
Tgt Ion: 69 Resp: 1004
Ion Ratio Lower Upper
69 100
41 97.6 49.5 74.3#
39 36.0 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.689 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion: 63 Resp: 1166
Ion Ratio Lower Upper
63 100
106 9.6 21.1 31.7#

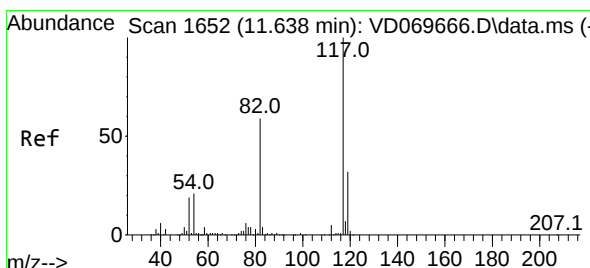
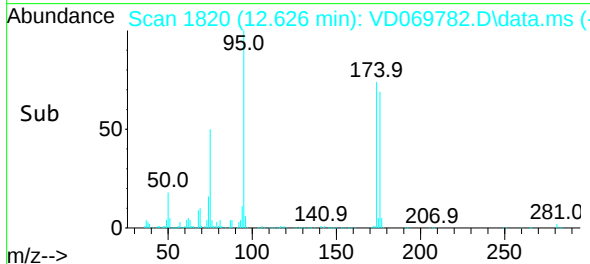
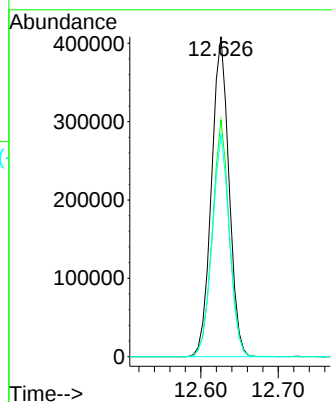
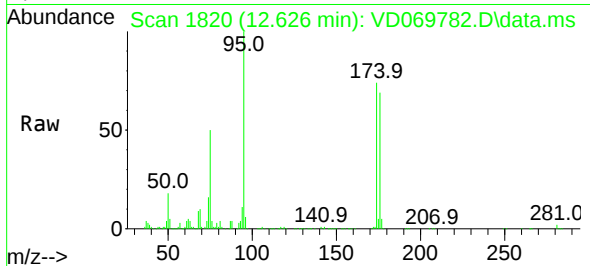




#62
4-Bromofluorobenzene
Concen: 65.625 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

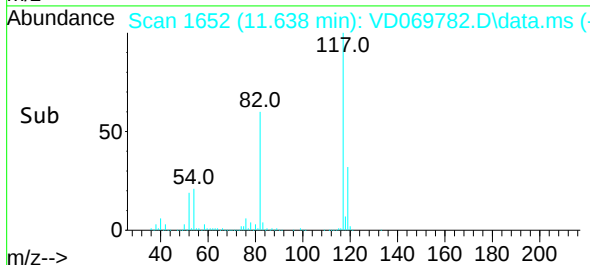
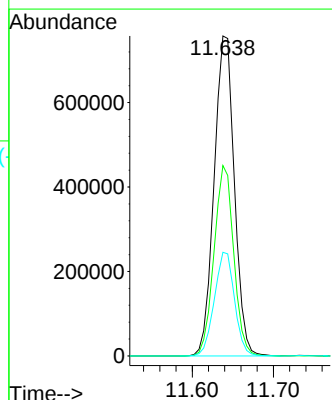
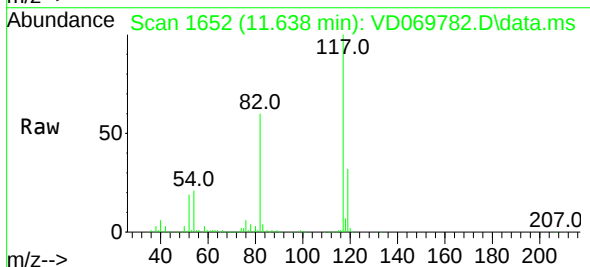
Instrument :
MSVOA_D
ClientSampleId :

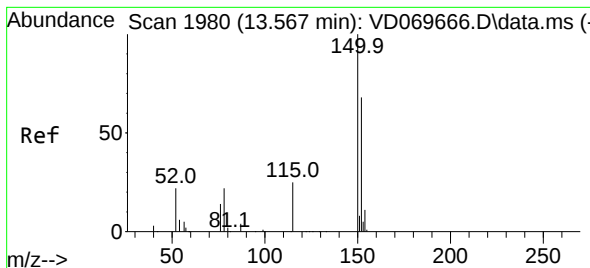
Tgt Ion: 95 Resp: 639533
Ion Ratio Lower Upper
95 100
174 71.8 0.0 140.0
176 68.5 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion: 117 Resp: 1315763
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.4 25.5 38.3

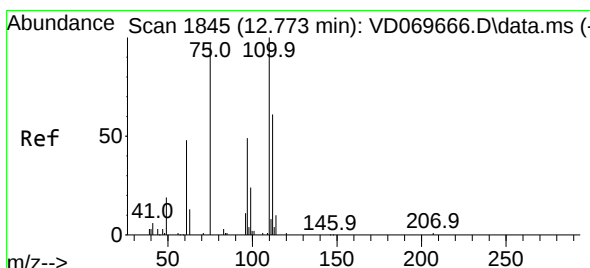
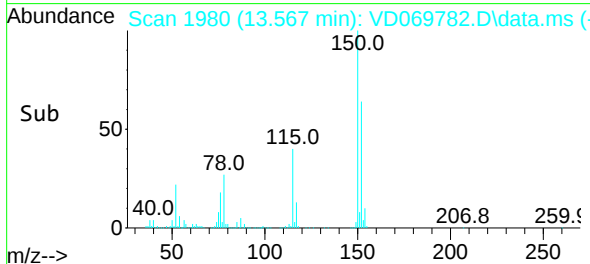
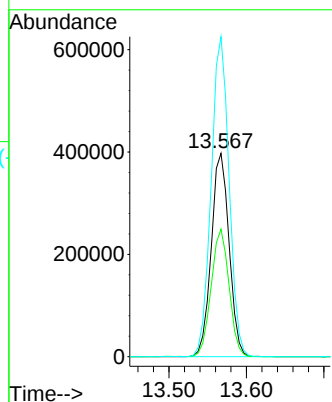
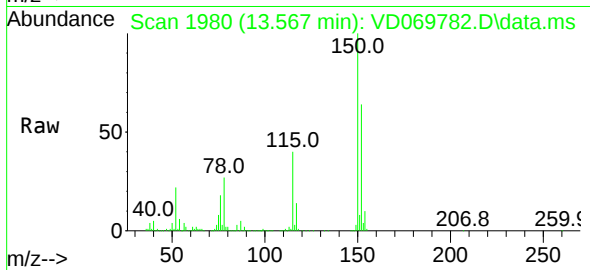




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

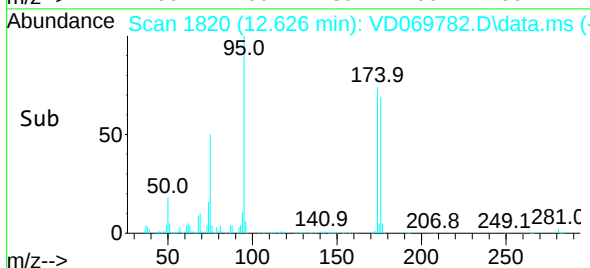
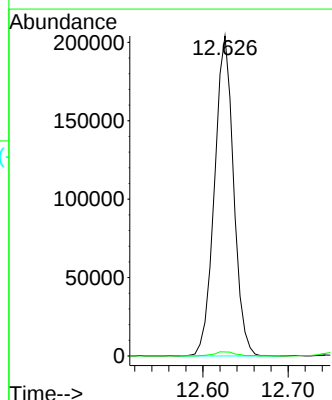
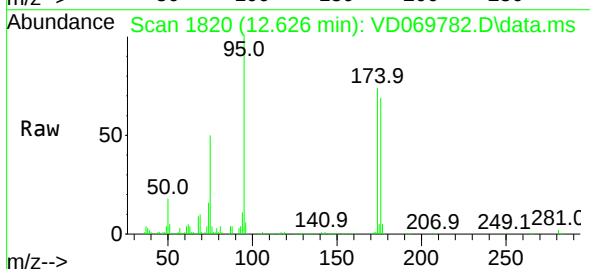
Instrument :
MSVOA_D
ClientSampled :

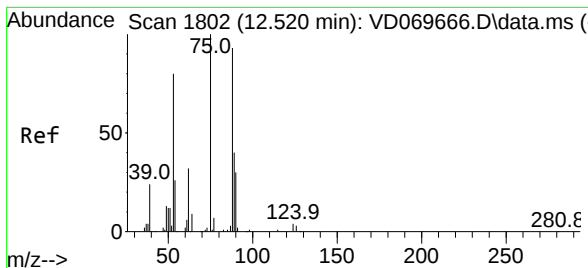
Tgt Ion:152 Resp: 633938
Ion Ratio Lower Upper
152 100
115 62.9 31.7 95.1
150 158.2 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 51.704 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion: 75 Resp: 318418
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

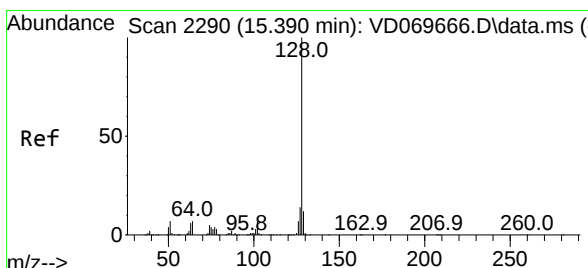
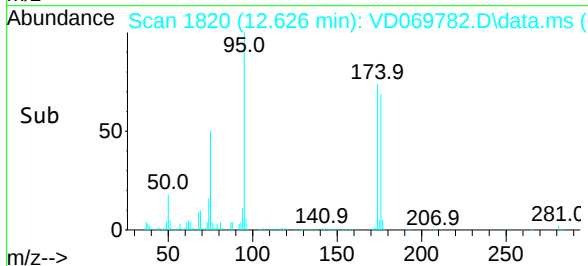
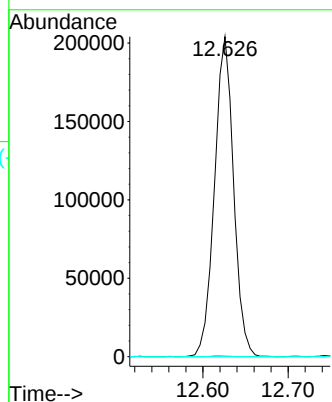
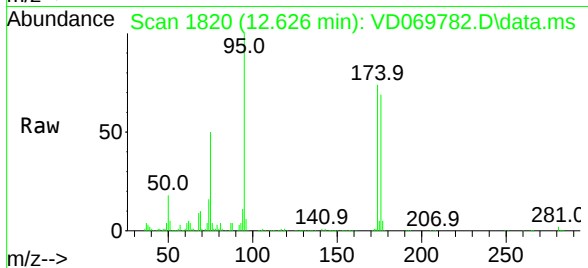




#81
trans-1,4-Dichloro-2-butene
Concen: 138.951 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 318418
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.574 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069782.D
Acq: 21 Jul 2021 11:01

Tgt Ion:128 Resp: 7746
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 6.0 8.8 13.2#

