

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069795.D
 Acq On : 21 Jul 2021 17:11
 Operator : VA/SY
 Sample : M3135-04
 Misc : 4.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:42:31 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	544644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1029632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1215557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	575118	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	298744	43.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.860%
35) Dibromofluoromethane	7.914	113	321496	46.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.080%
50) Toluene-d8	10.338	98	1396795	52.049	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.100%
62) 4-Bromofluorobenzene	12.626	95	576681	64.433	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.860%

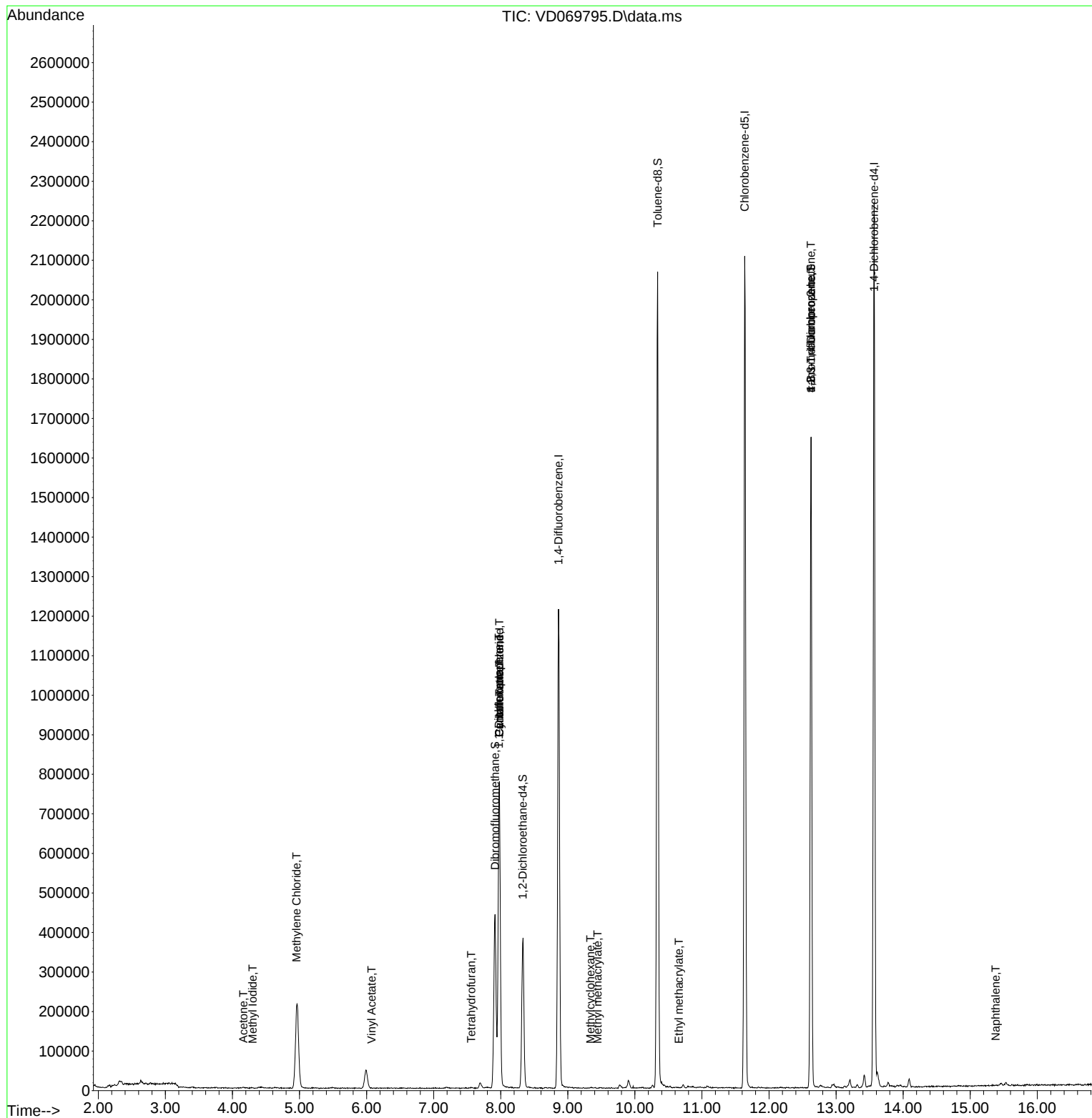
Target Compounds			Qvalue			
3) Chloromethane	2.203	50	1478	Below Cal	#	62
5) Bromomethane	2.774	94	2314	Below Cal		85
10) Methyl Iodide	4.303	142	807	2.582	ug/l #	86
16) Acetone	4.162	43	3198	15.157	ug/l	89
18) Methyl Acetate	4.715	43	74	Below Cal	#	49
20) Methylene Chloride	4.956	84	178544	14.775	ug/l	92
23) Vinyl Acetate	6.073	43	237	15.445	ug/l #	72
29) Tetrahydrofuran	7.562	42	1069	1.073	ug/l #	56
31) Cyclohexane	7.979	56	12835	1.505	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	50840	4.786	ug/l #	50
38) Carbon Tetrachloride	7.979	117	59959	6.164	ug/l #	16
39) Methylcyclohexane	9.338	83	353	1.985	ug/l #	57
48) Methyl methacrylate	9.444	41	53	1.116	ug/l #	52
56) Ethyl methacrylate	10.656	69	391	1.719	ug/l #	80
76) 1,2,3-Trichloropropane	12.626	75	279146	49.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	279146	134.272	ug/l #	14
95) Naphthalene	15.379	128	586	2.236	ug/l #	69

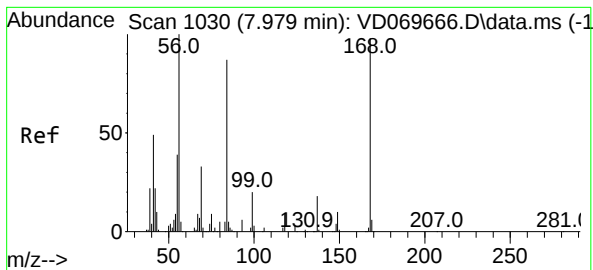
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

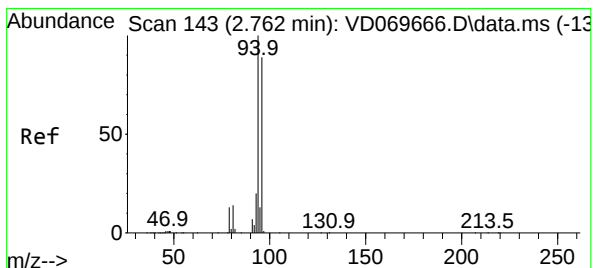
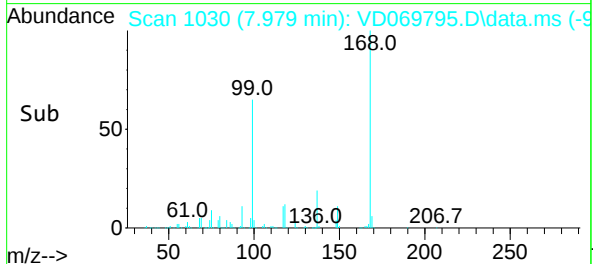
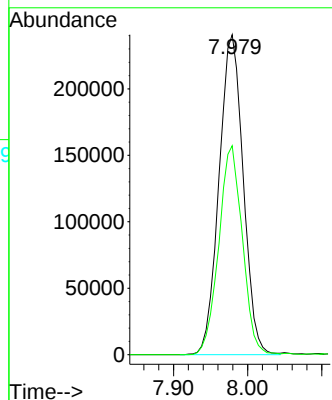
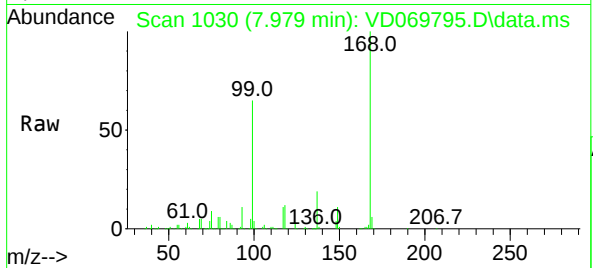




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

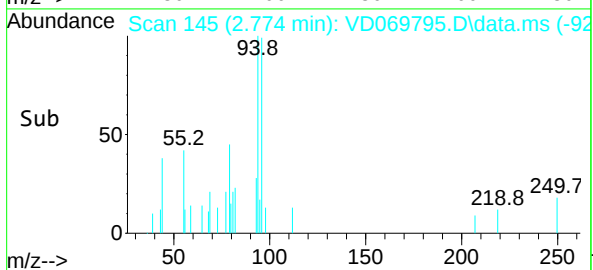
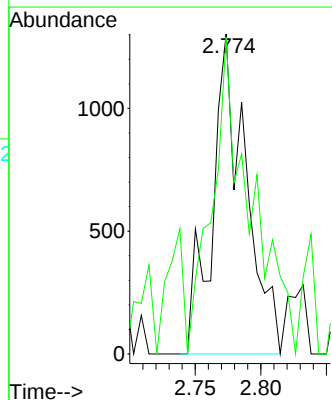
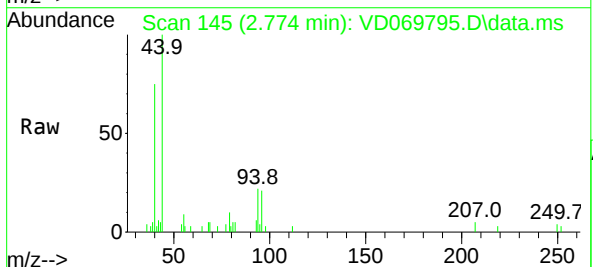
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MSVOA_D
ClientSampleId :

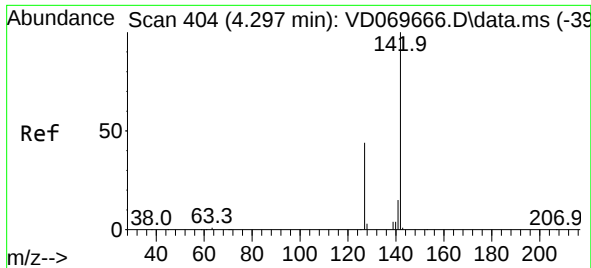
Tgt Ion:168 Resp: 544644
Ion Ratio Lower Upper
168 100
99 65.3 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

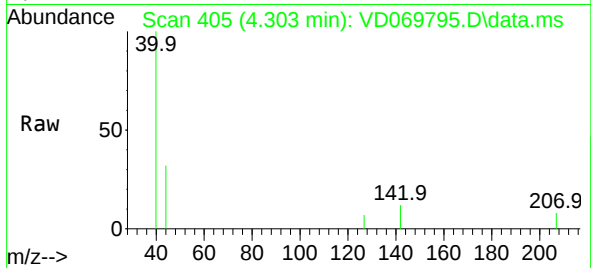
Tgt Ion: 94 Resp: 2314
Ion Ratio Lower Upper
94 100
96 74.8 71.2 106.8



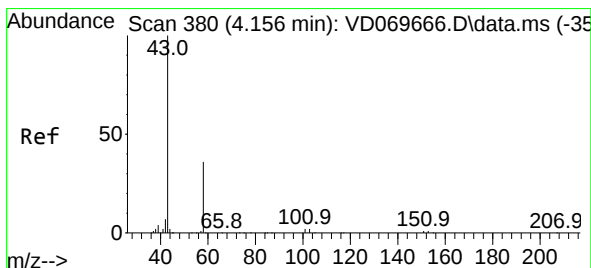
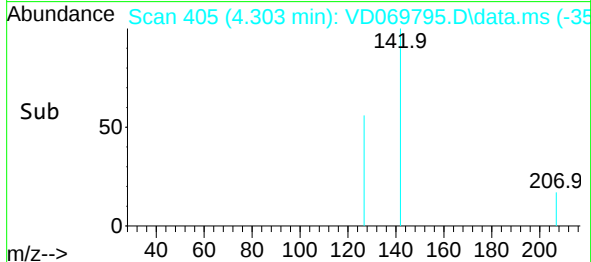
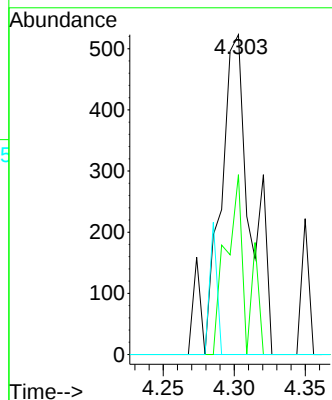


#10
Methyl Iodide
Concen: 2.582 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Instrument :
MSVOA_D
ClientSampled :

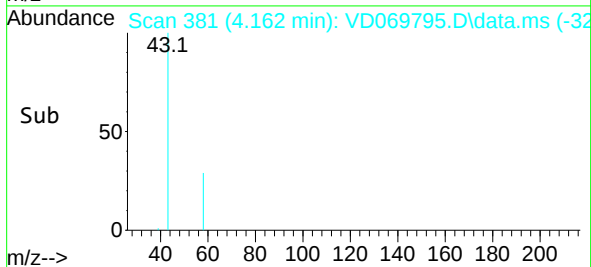
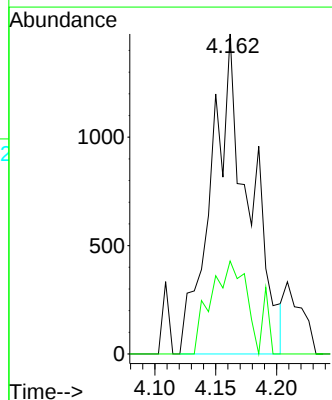
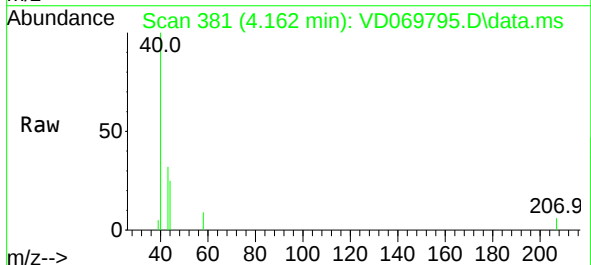


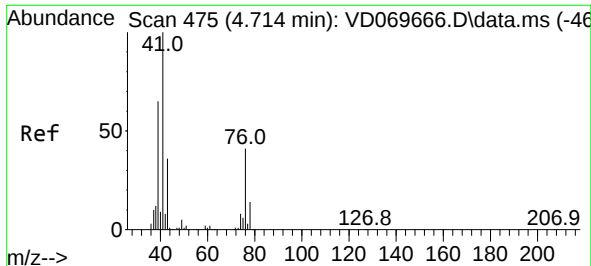
Tgt Ion:142 Resp: 807
Ion Ratio Lower Upper
142 100
127 35.8 36.1 54.1#
141 9.4 11.6 17.4#



#16
Acetone
Concen: 15.157 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
58 29.1 28.6 42.8

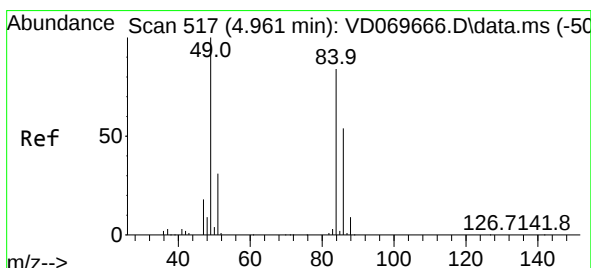
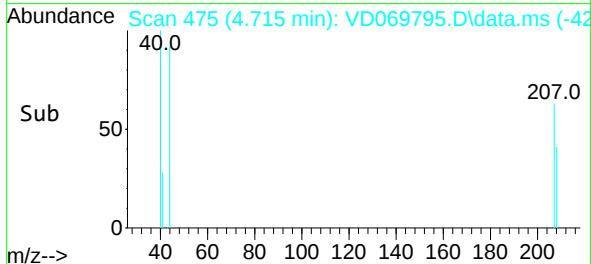
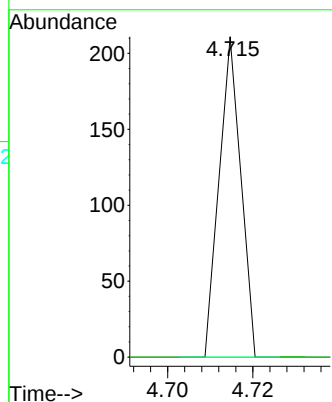
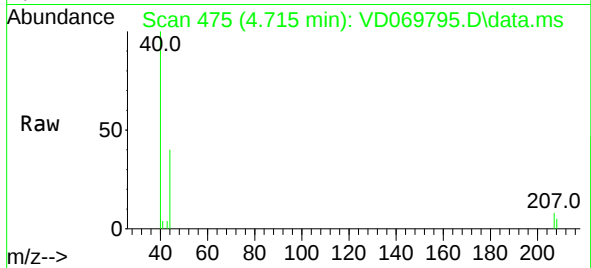




#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. 0.001 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

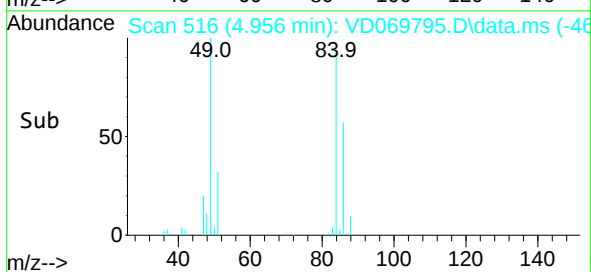
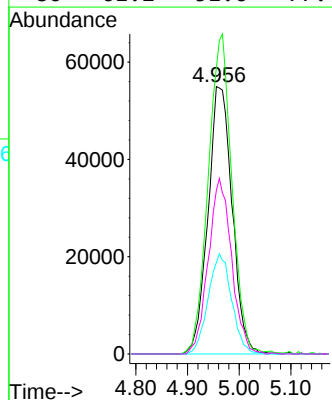
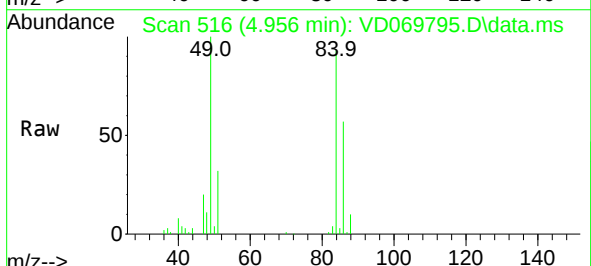
Instrument :
MSVOA_D
ClientSampled :

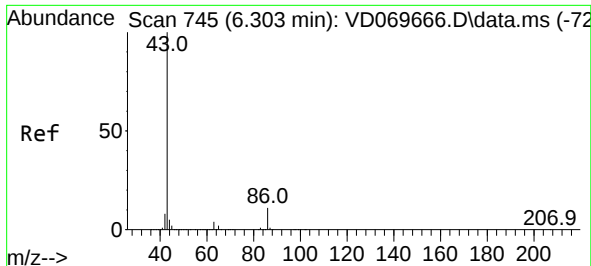
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 14.775 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion: 84 Resp: 178544
Ion Ratio Lower Upper
84 100
49 107.0 95.5 143.3
51 34.2 29.7 44.5
86 61.2 51.6 77.4

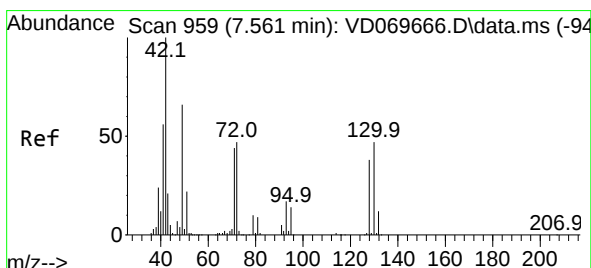
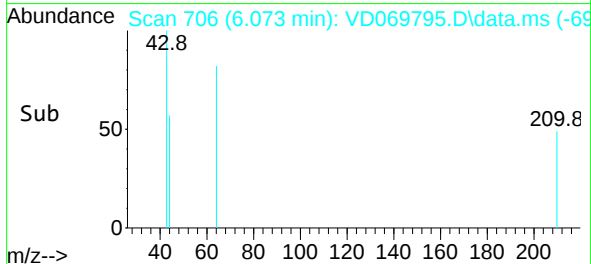
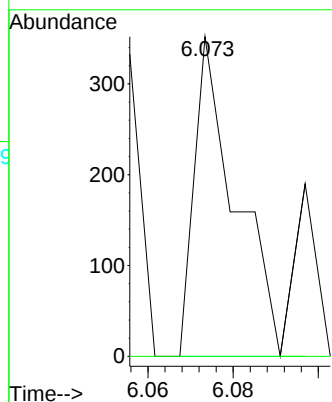
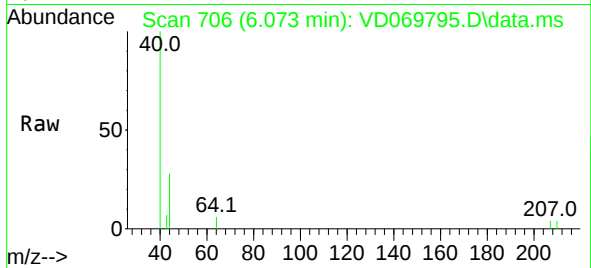




#23
 Vinyl Acetate
 Concen: 15.445 ug/l
 RT: 6.073 min Scan# 706
 Delta R.T. -0.230 min
 Lab File: VD069795.D
 Acq: 21 Jul 2021 17:11

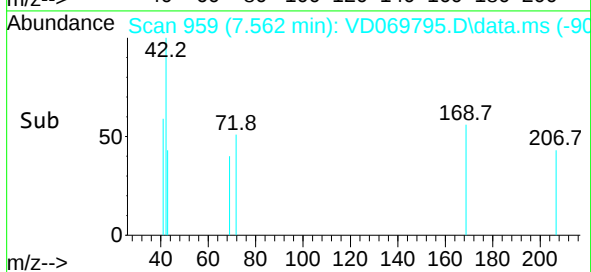
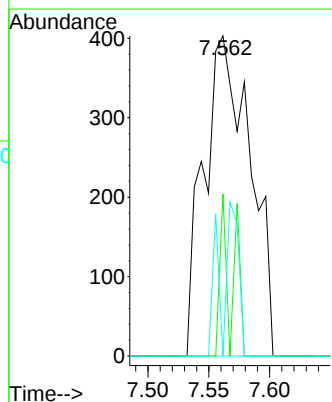
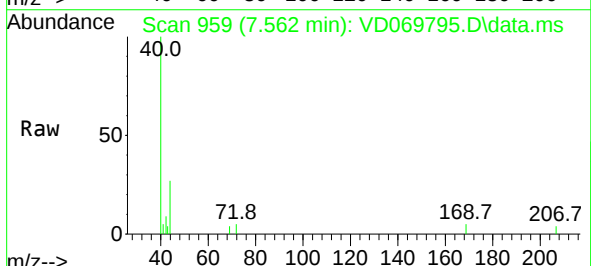
Instrument :
 MSVOA_D
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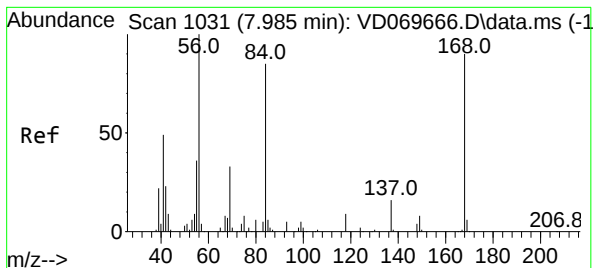
Tgt Ion: 43 Resp: 237
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#29
 Tetrahydrofuran
 Concen: 1.073 ug/l
 RT: 7.562 min Scan# 959
 Delta R.T. 0.001 min
 Lab File: VD069795.D
 Acq: 21 Jul 2021 17:11

Tgt Ion: 42 Resp: 1069
 Ion Ratio Lower Upper
 42 100
 72 13.1 36.5 54.7#
 71 17.8 33.4 50.0#

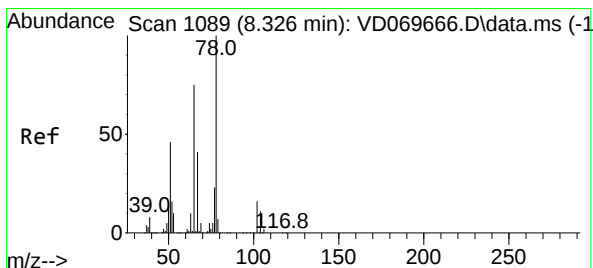
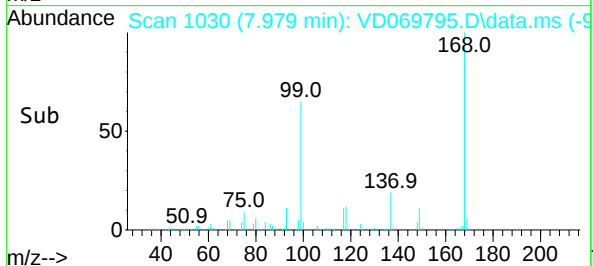
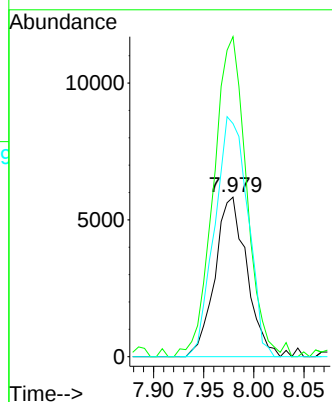
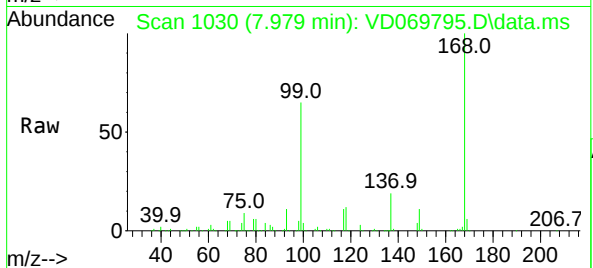




#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

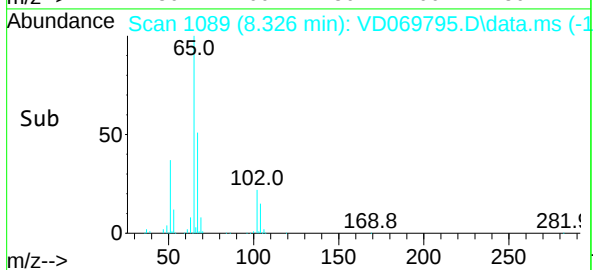
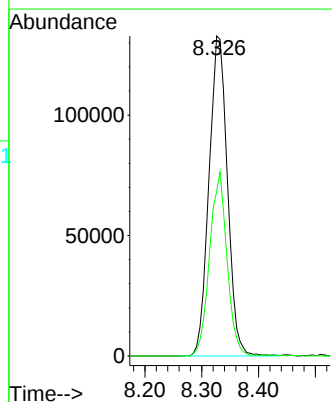
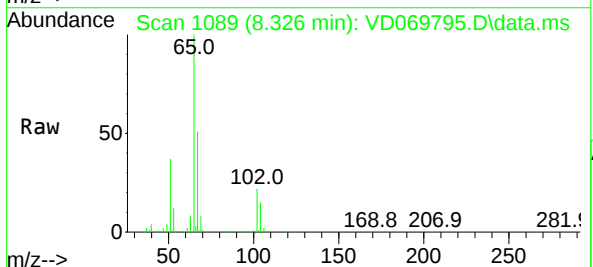
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MSVOA_D
ClientSampleId :

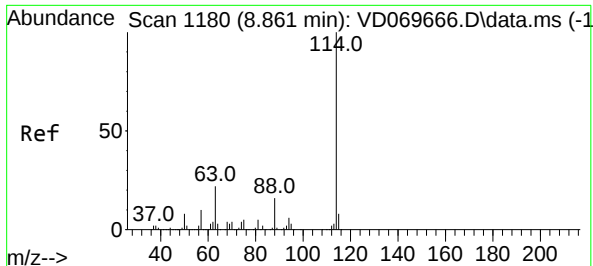
Tgt Ion: 56 Resp: 12835
Ion Ratio Lower Upper
56 100
69 197.8 26.6 39.8#
84 146.1 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 43.929 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion: 65 Resp: 298744
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2



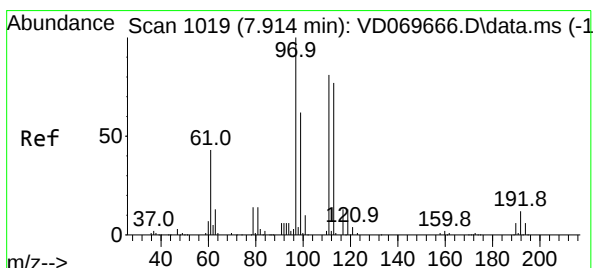
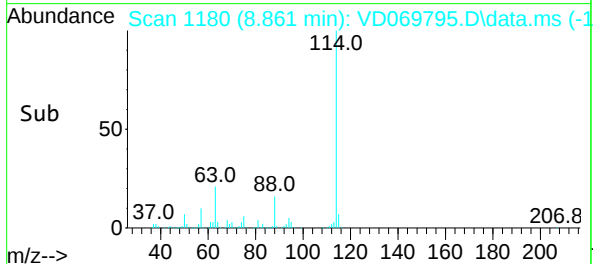
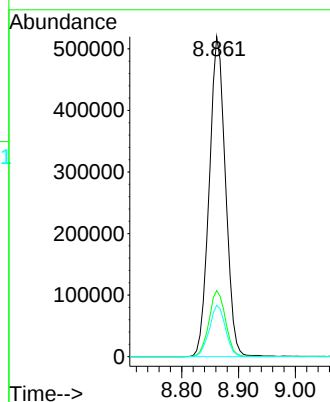
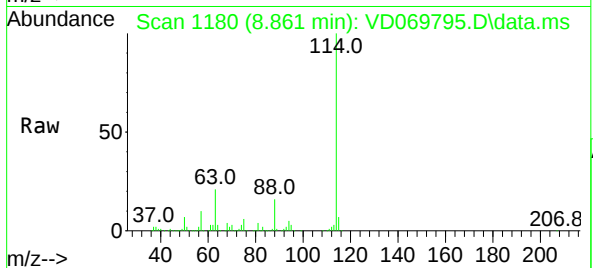


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Instrument :
MSVOA_D
ClientSampled :

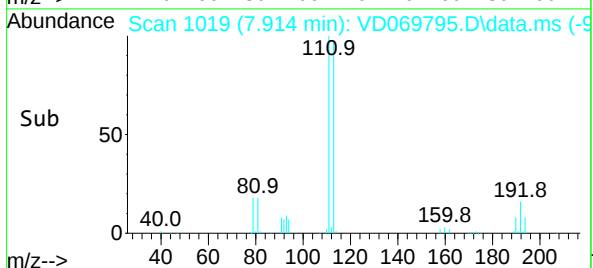
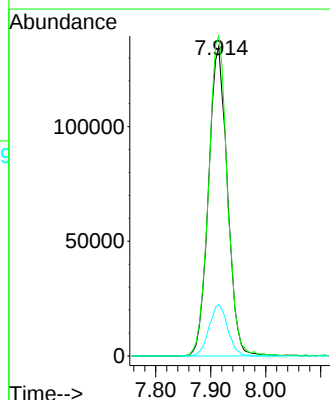
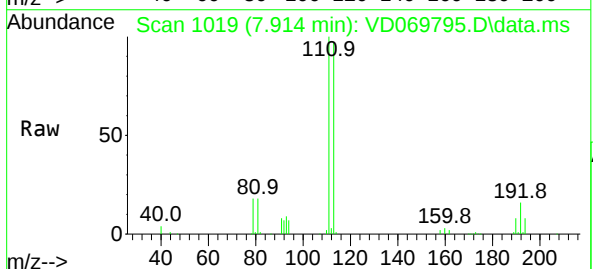
Tgt Ion:114 Resp: 1029632
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.4
88 16.0 0.0 32.0

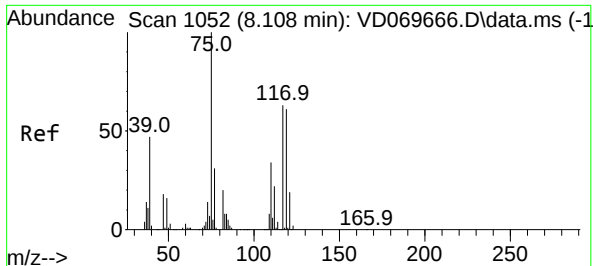


#35

Dibromofluoromethane
Concen: 46.542 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion:113 Resp: 321496
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 16.4 12.7 19.1

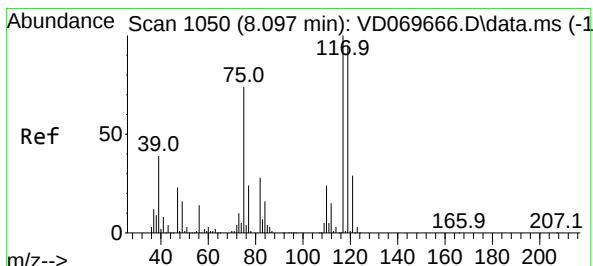
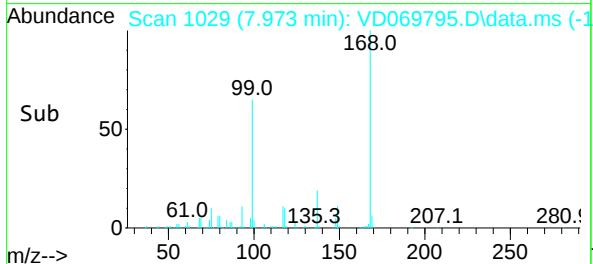
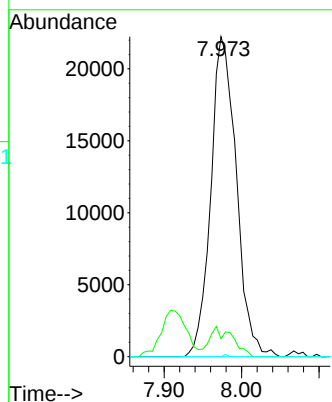
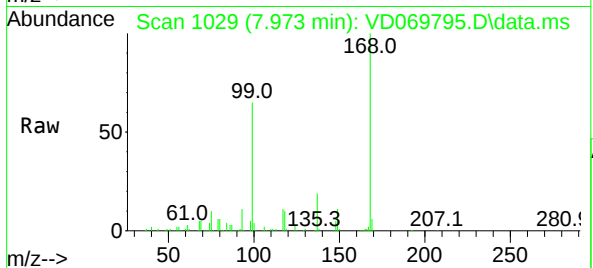




#36
1,1-Dichloropropene
Concen: 4.786 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

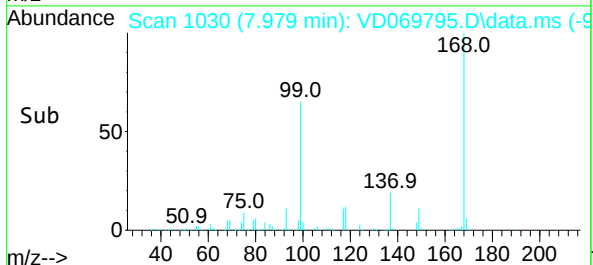
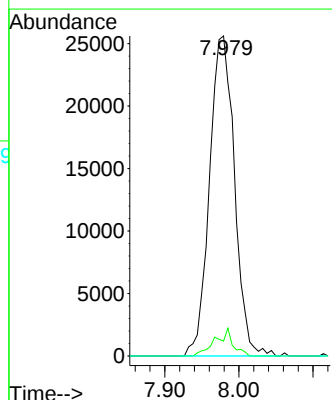
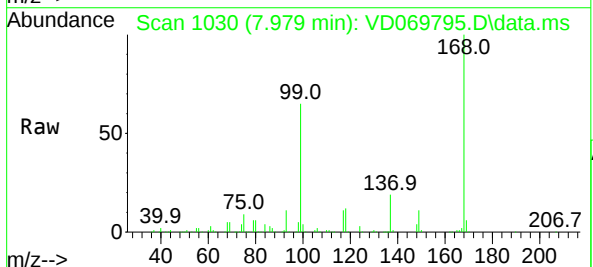
Instrument :
MSVOA_D
ClientSampled :

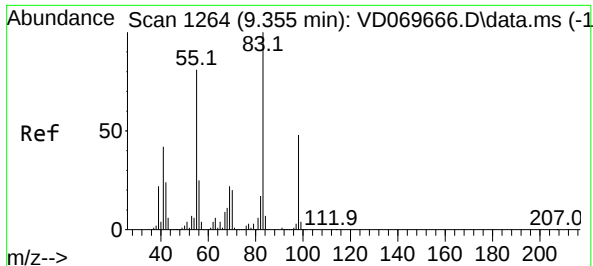
Tgt Ion: 75 Resp: 50840
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.0#
77 0.1 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.164 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion: 117 Resp: 59959
Ion Ratio Lower Upper
117 100
119 4.6 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.985 ug/l

RT: 9.338 min Scan# 1261

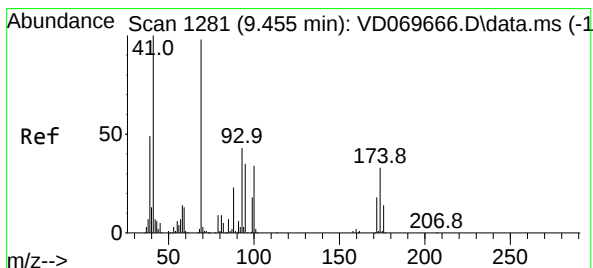
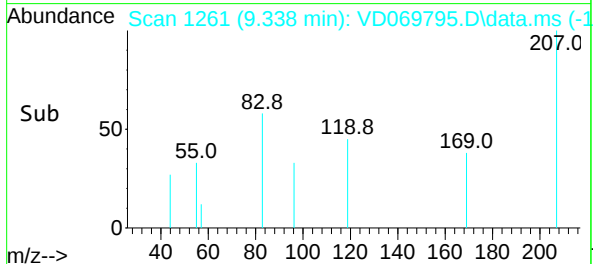
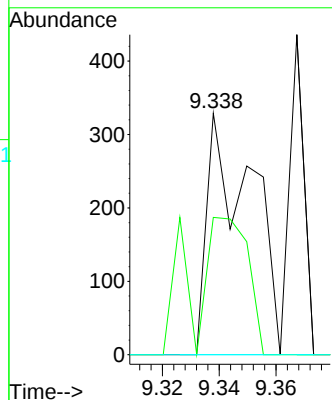
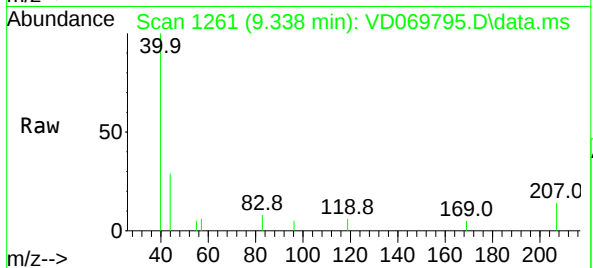
Delta R.T. -0.017 min

Lab File: VD069795.D

Acq: 21 Jul 2021 17:11

Tgt Ion: 83	Resp:	353
Ion	Ratio	Lower Upper
83	100	
55	56.8	64.6 97.0#
98	0.0	38.4 57.6#

Instrument :
MSVOA_D
ClientSampleId :



#48

Methyl methacrylate

Concen: 1.116 ug/l

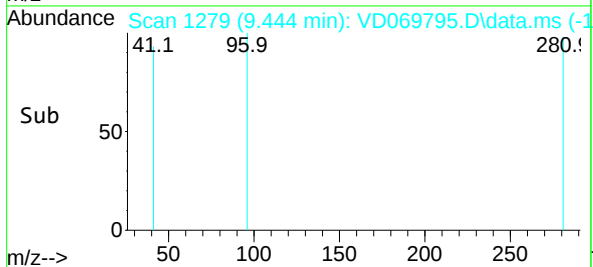
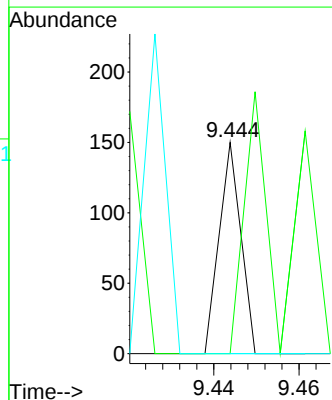
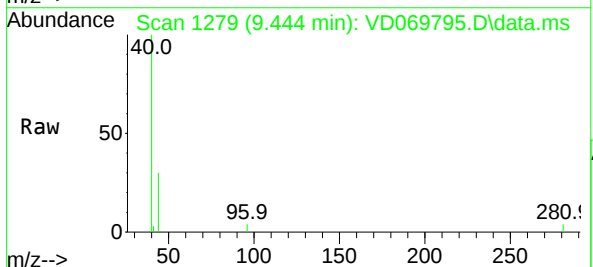
RT: 9.444 min Scan# 1279

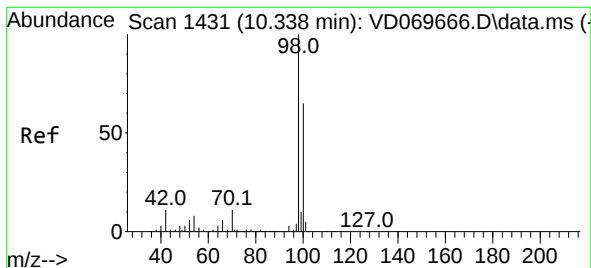
Delta R.T. -0.011 min

Lab File: VD069795.D

Acq: 21 Jul 2021 17:11

Tgt Ion: 41	Resp:	53
Ion	Ratio	Lower Upper
41	100	
69	124.5	71.6 107.4#
39	0.0	36.7 55.1#

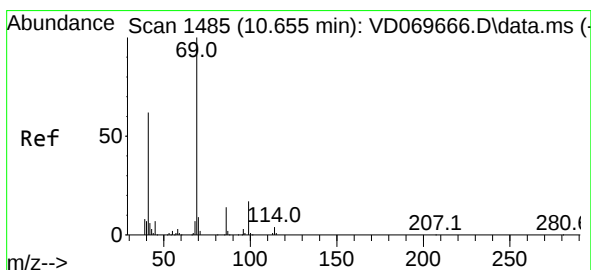
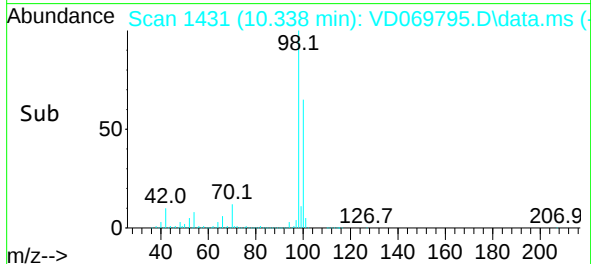
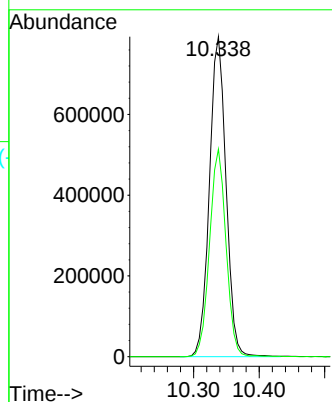
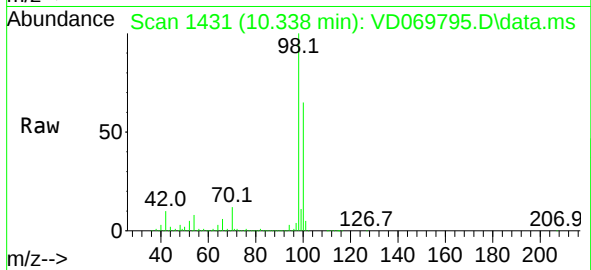




#50
Toluene-d8
Concen: 52.049 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

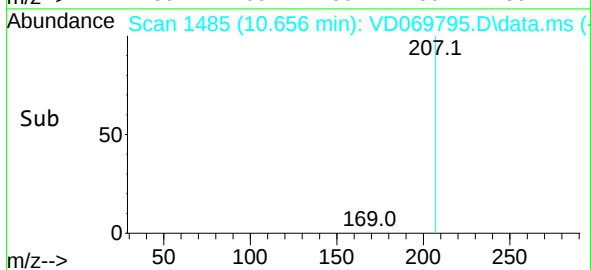
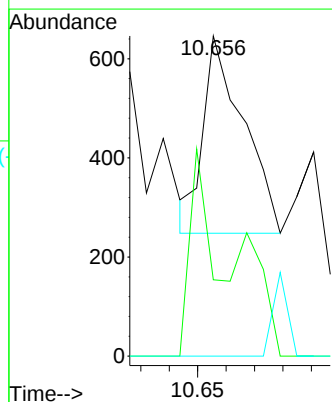
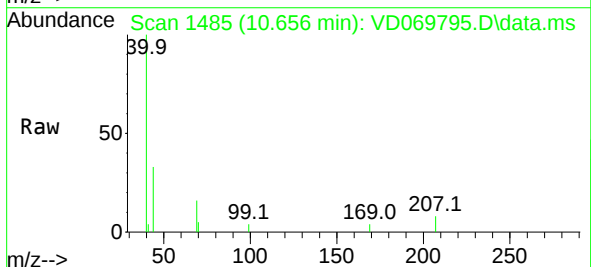
Instrument :
MSVOA_D
ClientSampled :

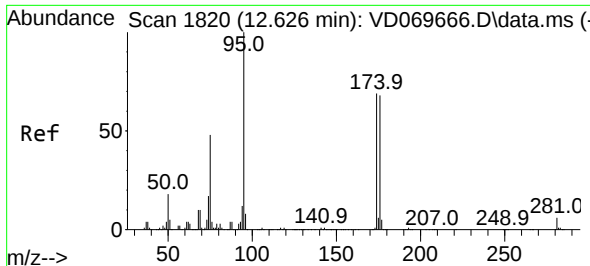
Tgt Ion: 98 Resp: 1396795
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.719 ug/l
RT: 10.656 min Scan# 1485
Delta R.T. 0.001 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion: 69 Resp: 391
Ion Ratio Lower Upper
69 100
41 65.2 49.5 74.3
39 0.0 22.5 33.7#

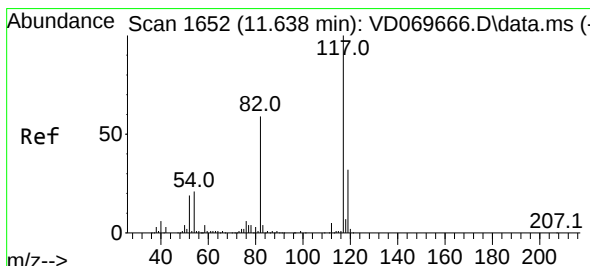
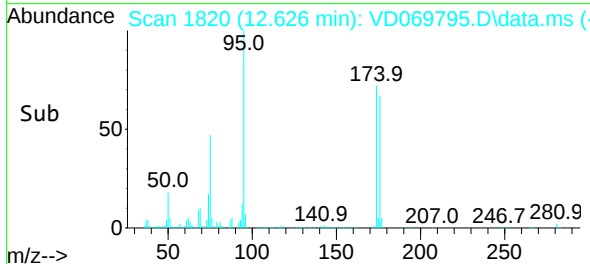
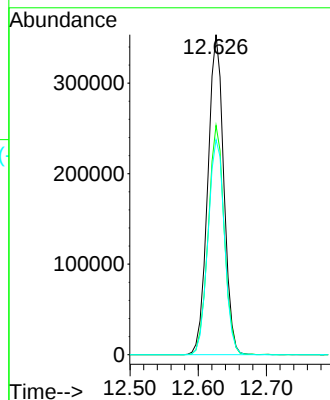
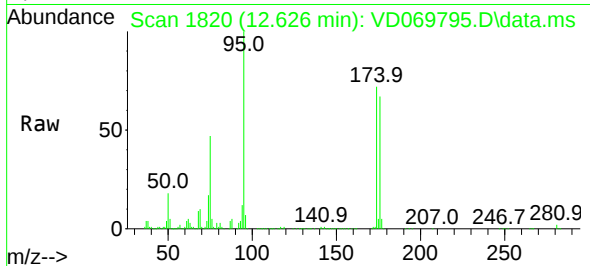




#62
4-Bromofluorobenzene
Concen: 64.433 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

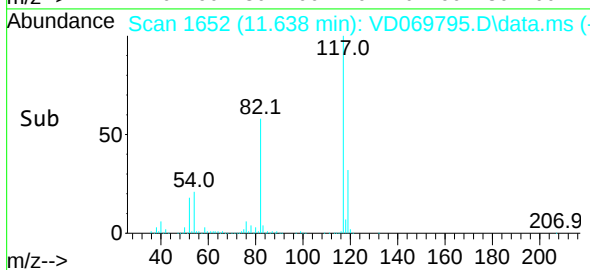
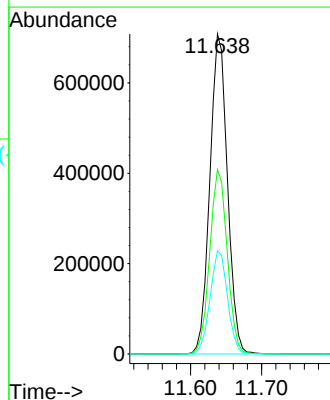
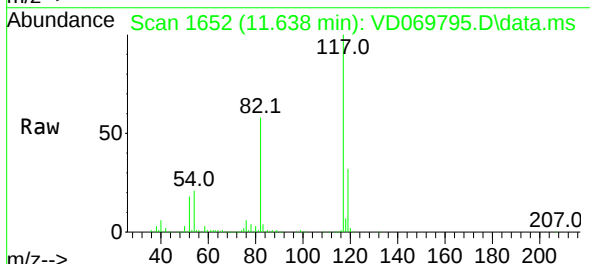
Instrument :
MSVOA_D
ClientSampleId :

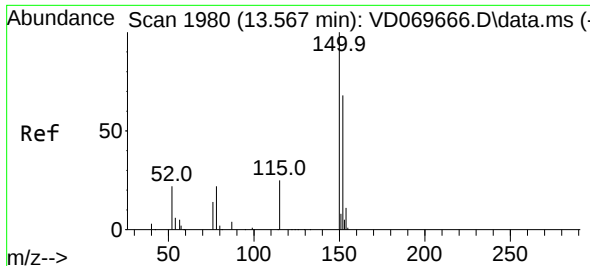
Tgt Ion: 95 Resp: 576681
Ion Ratio Lower Upper
95 100
174 71.5 0.0 140.0
176 68.7 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion: 117 Resp: 1215557
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.3 25.5 38.3

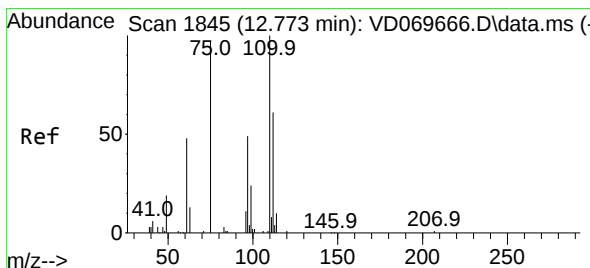
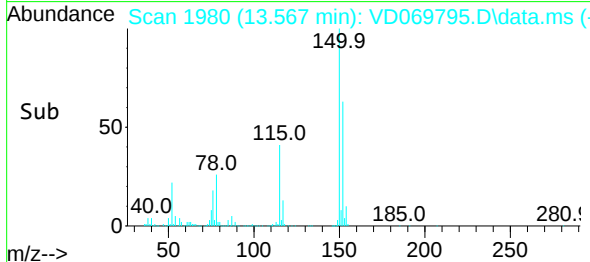
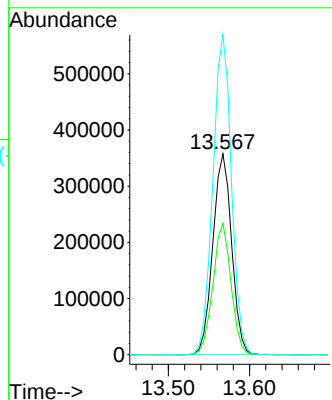
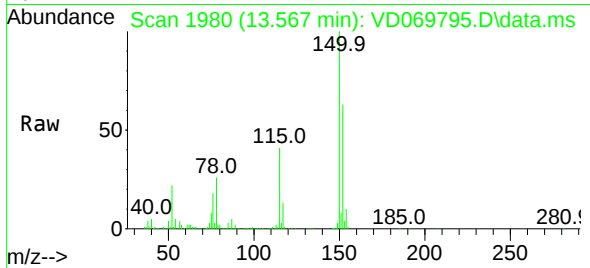




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

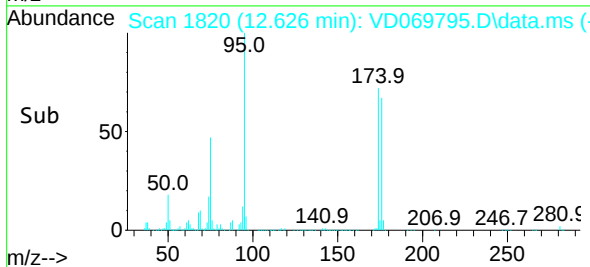
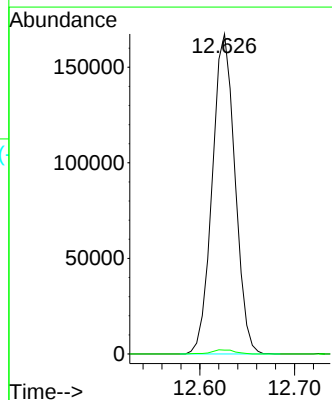
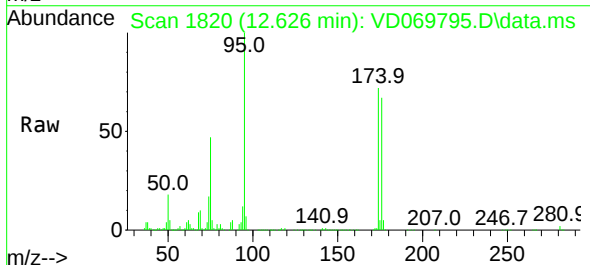
Instrument :
MSVOA_D
ClientSampleId :

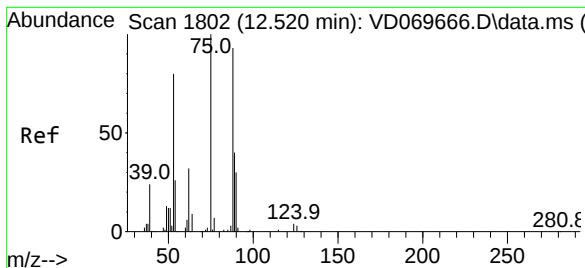
Tgt Ion:152 Resp: 575118
Ion Ratio Lower Upper
152 100
115 62.9 31.7 95.1
150 157.4 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 49.963 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion: 75 Resp: 279146
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

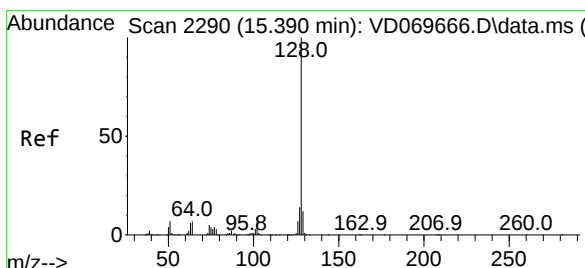
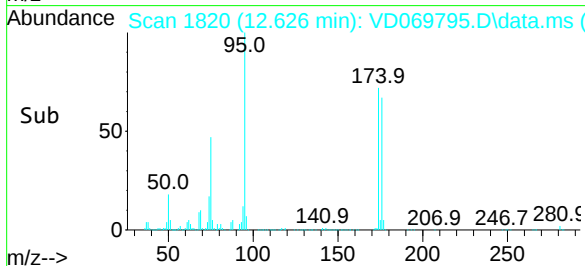
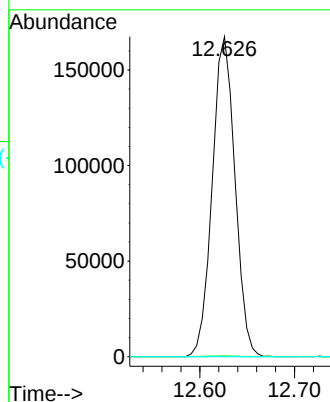
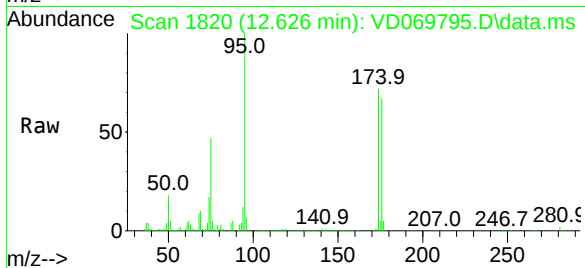




#81
trans-1,4-Dichloro-2-butene
Concen: 134.272 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 279146
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.236 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069795.D
Acq: 21 Jul 2021 17:11

Tgt Ion:128 Resp: 586
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

