

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069564.D
 Acq On : 25 Jun 2021 14:25
 Operator : VA/SY
 Sample : M2856-07
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-9.5-10.0

Quant Time: Jun 26 03:38:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	197513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	377989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	440514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	195570	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198335	80.560	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	161.120%
35) Dibromofluoromethane	7.908	113	159777	62.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.060%
50) Toluene-d8	10.338	98	503928	52.579	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.160%
62) 4-Bromofluorobenzene	12.626	95	189686	60.202	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.400%

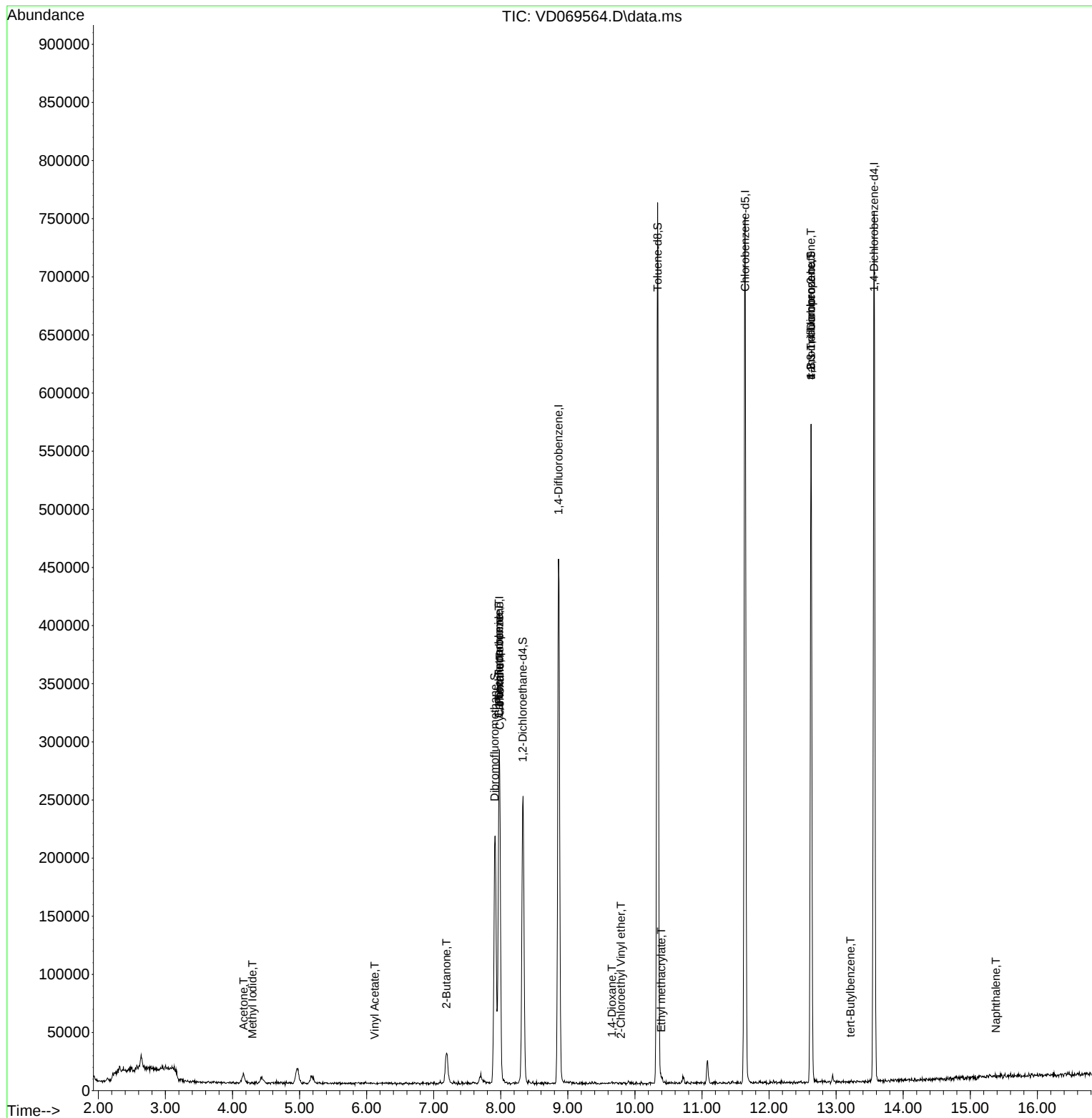
Target Compounds					Qvalue
5) Bromomethane	2.785	94	1713	Below Cal	# 75
10) Methyl Iodide	4.297	142	331	4.088	ug/l # 39
16) Acetone	4.167	43	12350	29.803	ug/l # 77
18) Methyl Acetate	4.708	43	74	Below Cal	# 49
20) Methylene Chloride	4.967	84	10430	Below Cal	# 88
23) Vinyl Acetate	6.120	43	68	19.029	ug/l # 70
25) 2-Butanone	7.191	43	1586	3.012	ug/l # 44
31) Cyclohexane	7.985	56	5217	1.574	ug/l # 47
36) 1,1-Dichloropropene	7.973	75	19434	5.239	ug/l # 44
38) Carbon Tetrachloride	7.973	117	22884	6.233	ug/l # 18
49) 1,4-Dioxane	9.655	88	58	4.095	ug/l # 1
56) Ethyl methacrylate	10.391	69	114	2.627	ug/l # 20
58) 2-Chloroethyl Vinyl ether	9.791	63	64	10.649	ug/l # 47
76) 1,2,3-Trichloropropane	12.626	75	96444	50.237	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.626	75	96444	125.436	ug/l # 12
83) tert-Butylbenzene	13.214	119	345	2.025	ug/l # 27
95) Naphthalene	15.384	128	791	3.475	ug/l # 69

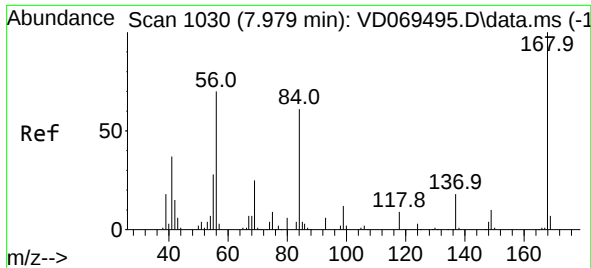
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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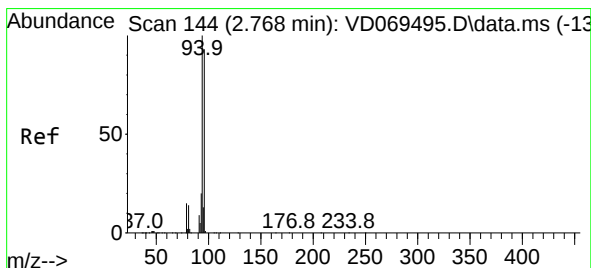
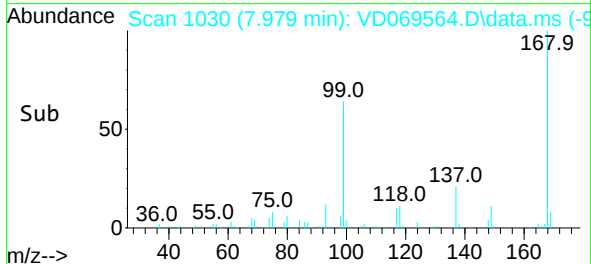
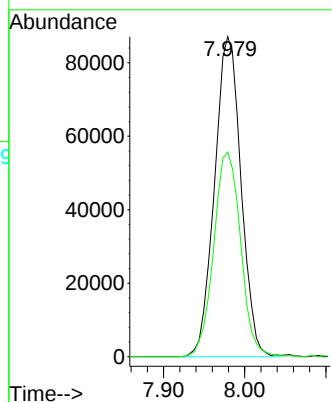
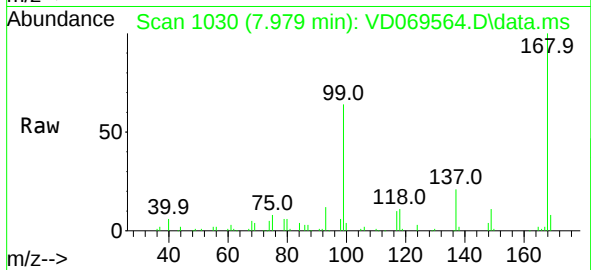




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

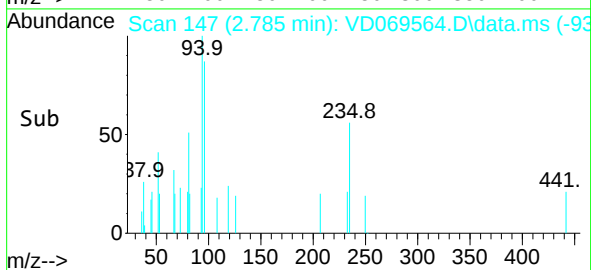
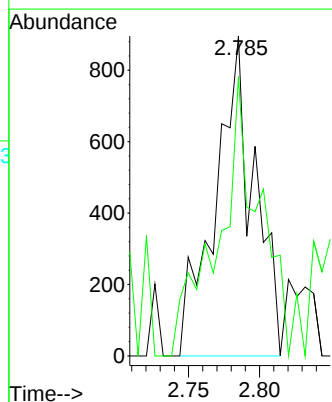
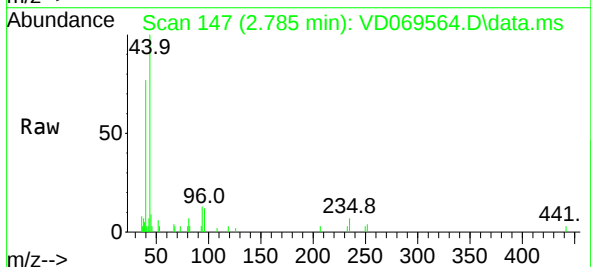
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

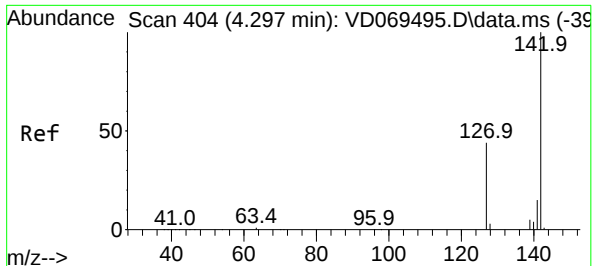
Tgt Ion:168 Resp: 197513
Ion Ratio Lower Upper
168 100
99 64.0 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 94 Resp: 1713
Ion Ratio Lower Upper
94 100
96 69.5 74.6 111.8#

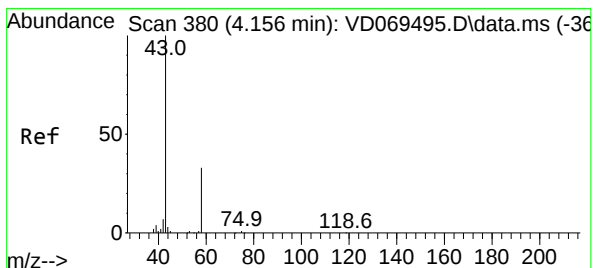
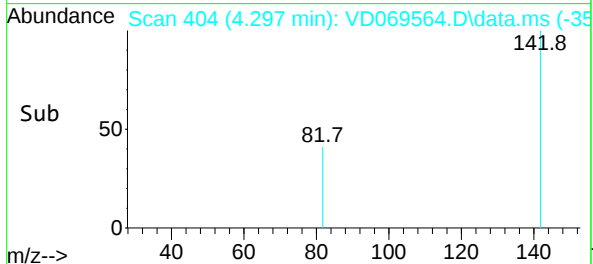
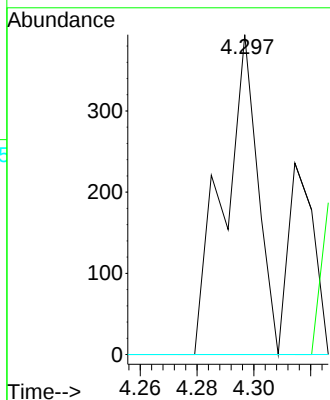
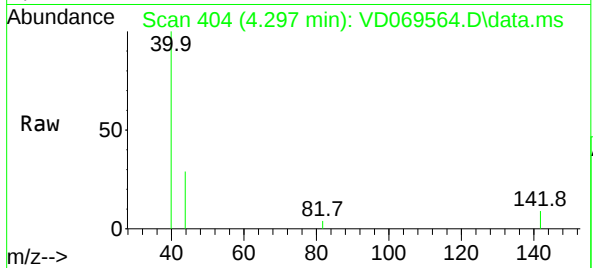




#10
Methyl Iodide
Concen: 4.088 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

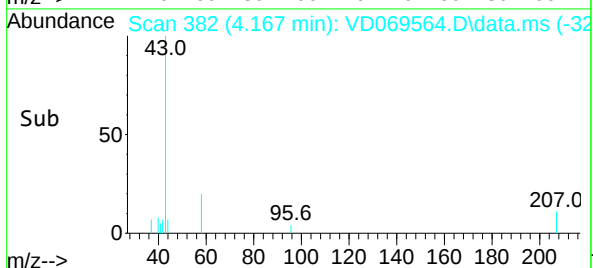
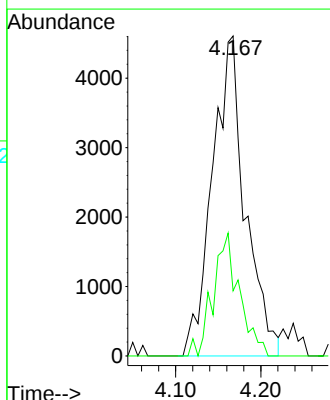
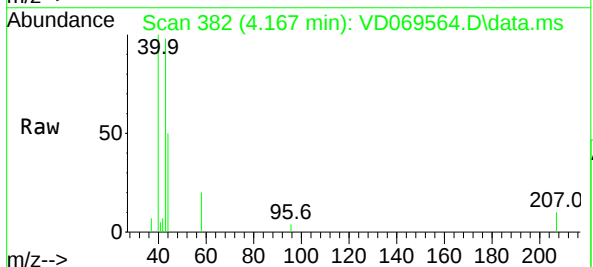
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

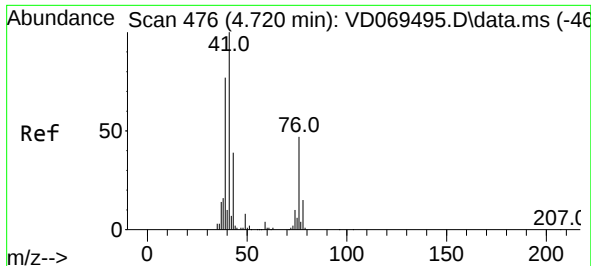
Tgt Ion:142 Resp: 331
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 29.803 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 43 Resp: 12350
Ion Ratio Lower Upper
43 100
58 20.4 26.8 40.2#

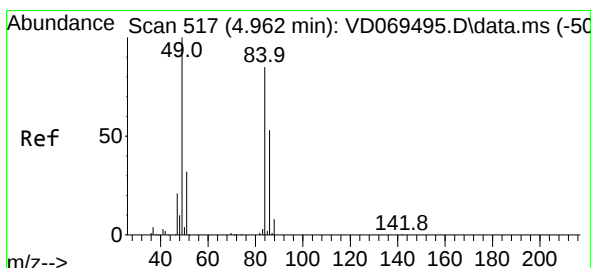
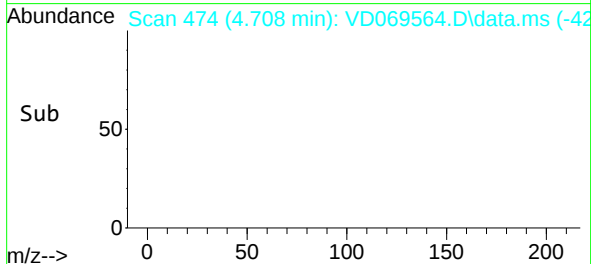
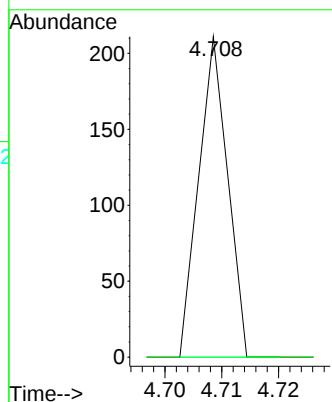
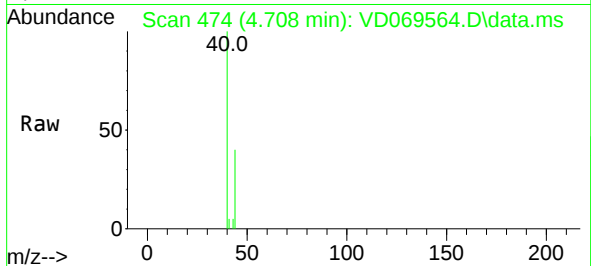




#18
Methyl Acetate
Concen: Below Cal
RT: 4.708 min Scan# 474
Delta R.T. -0.011 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

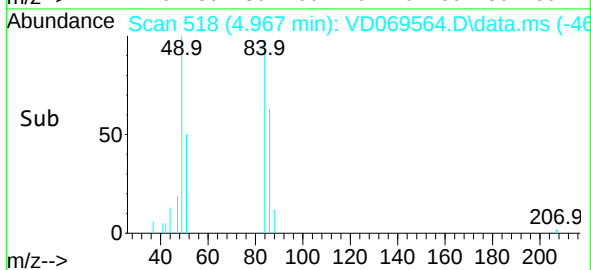
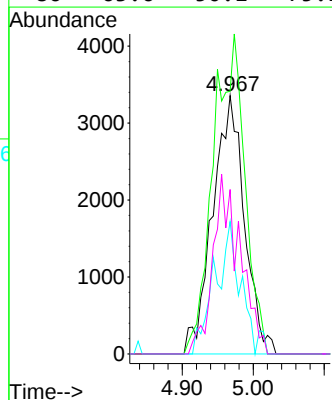
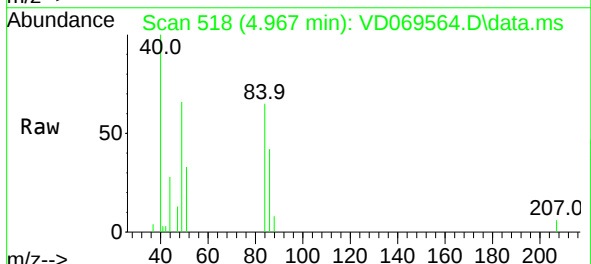
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

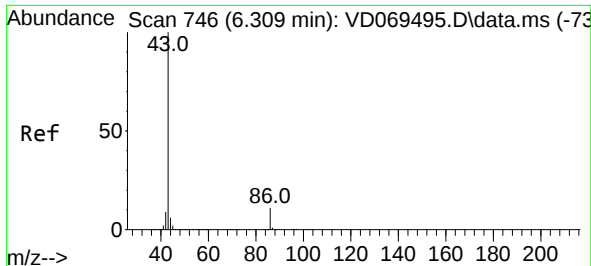
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 84 Resp: 10430
Ion Ratio Lower Upper
84 100
49 101.6 94.0 141.0
51 51.2 29.7 44.5#
86 63.6 50.1 75.1

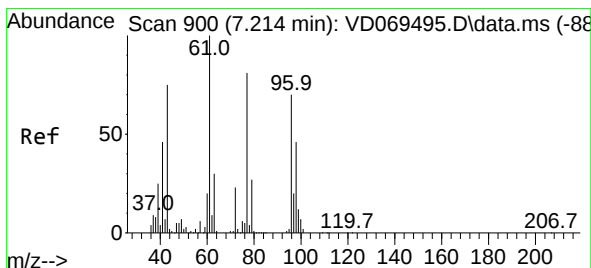
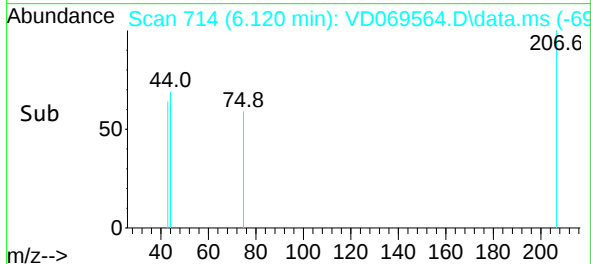
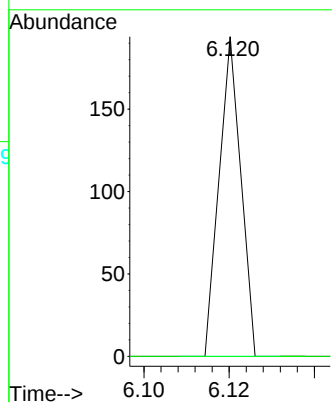
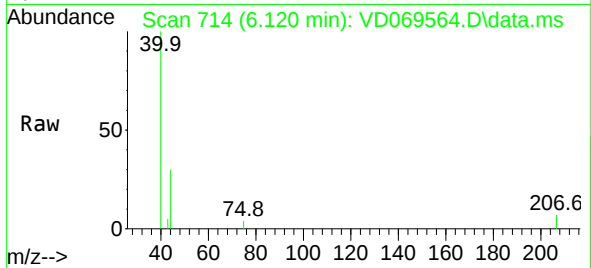




#23
 Vinyl Acetate
 Concen: 19.029 ug/l
 RT: 6.120 min Scan# 714
 Delta R.T. -0.189 min
 Lab File: VD069564.D
 Acq: 25 Jun 2021 14:25

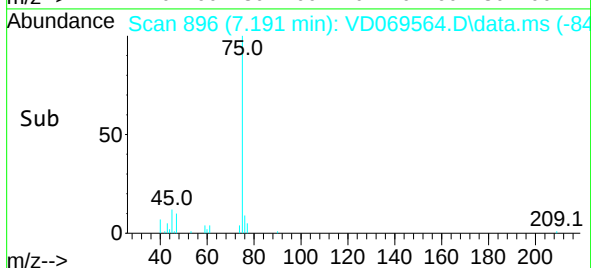
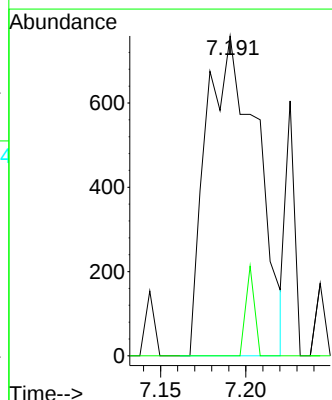
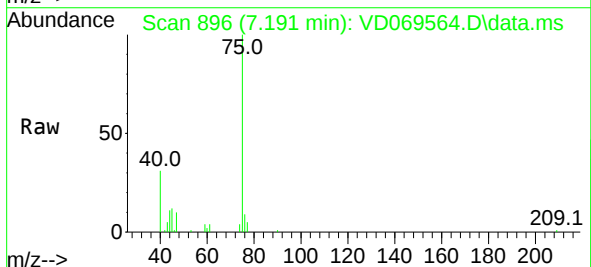
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-9.5-10.0

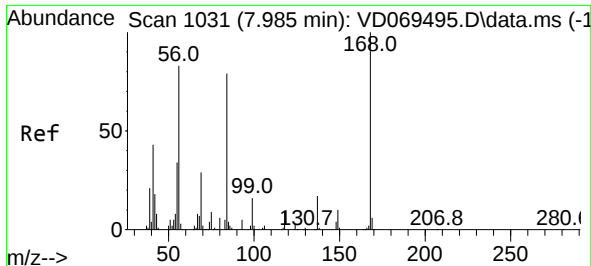
Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 3.012 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD069564.D
 Acq: 25 Jun 2021 14:25

Tgt Ion: 43 Resp: 1586
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#

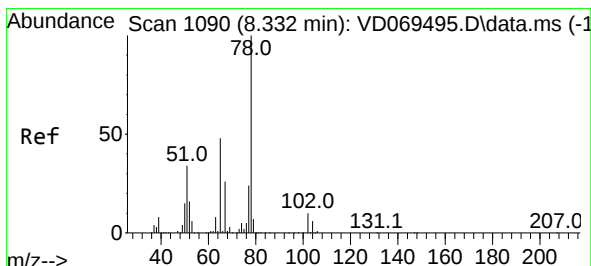
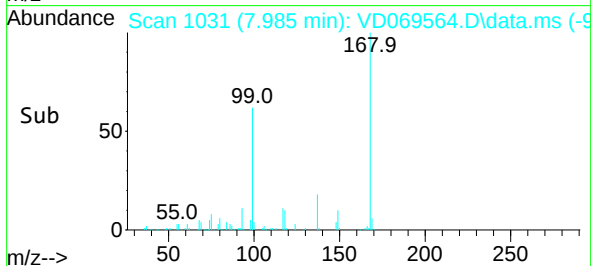
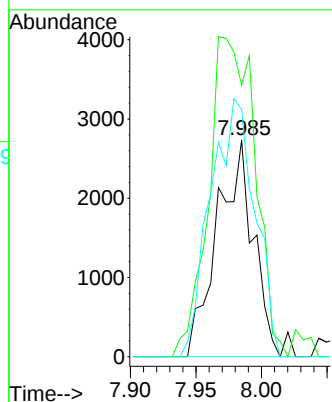
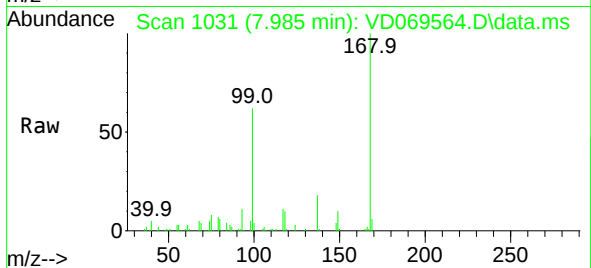




#31
Cyclohexane
Concen: 1.574 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

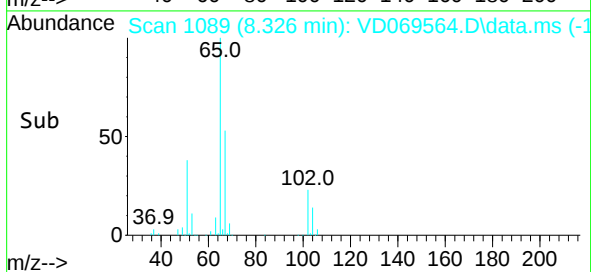
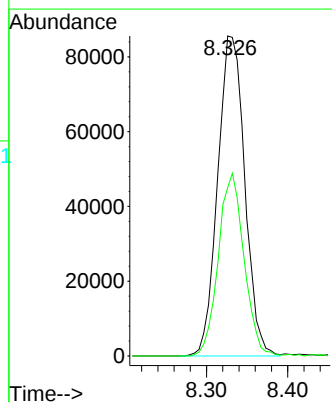
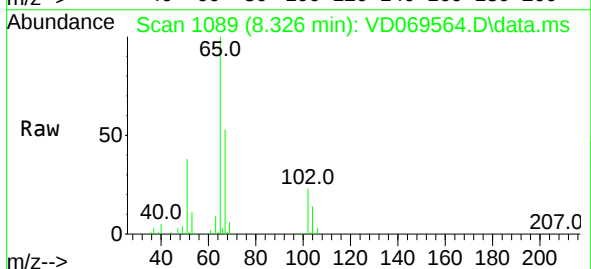
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

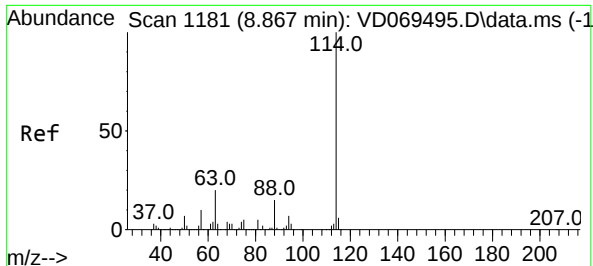
Tgt Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 118.1 28.0 42.0#
84 114.0 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 80.560 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 65 Resp: 198335
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.6



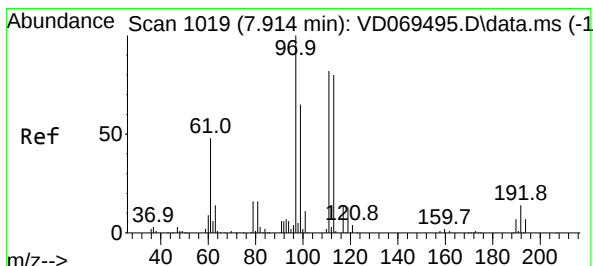
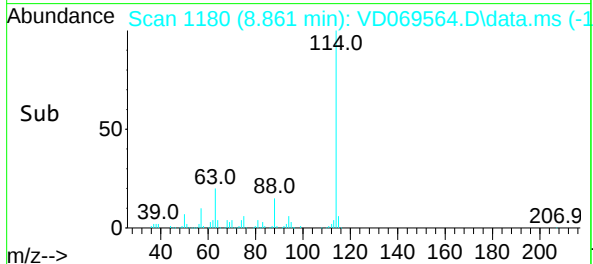
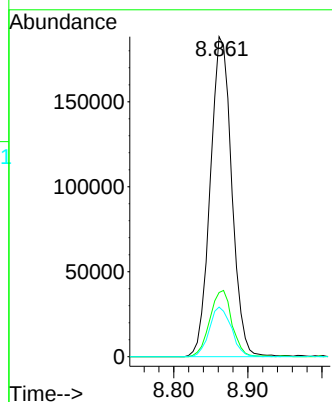
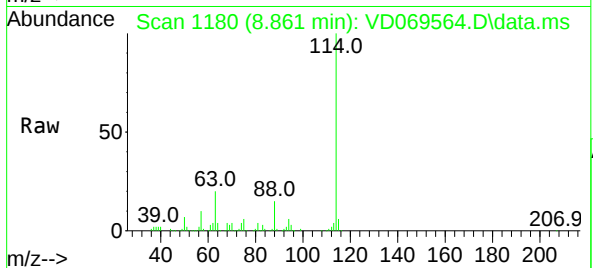


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

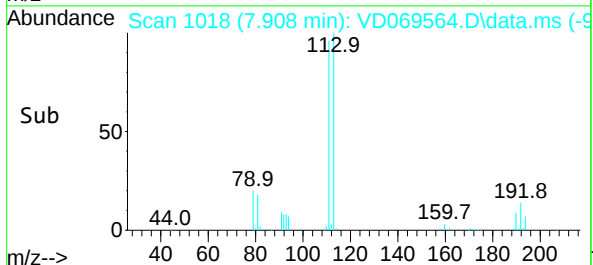
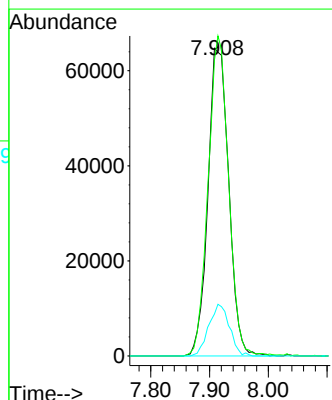
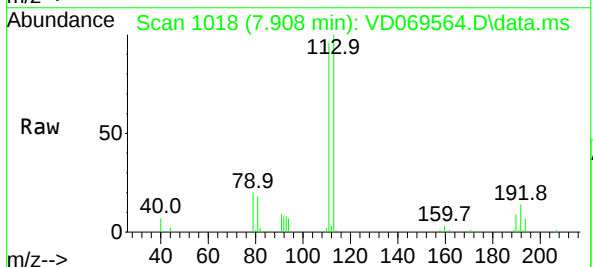
Tgt Ion:114 Resp: 377989
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 15.5 0.0 29.8

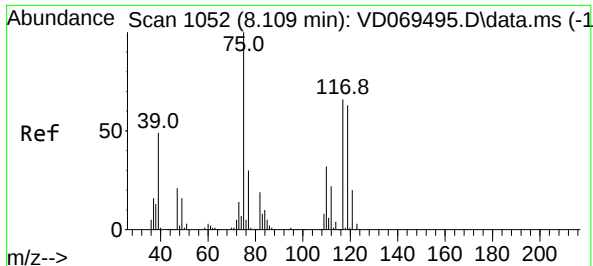


#35

Dibromofluoromethane
Concen: 62.532 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion:113 Resp: 159777
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 16.6 13.8 20.6

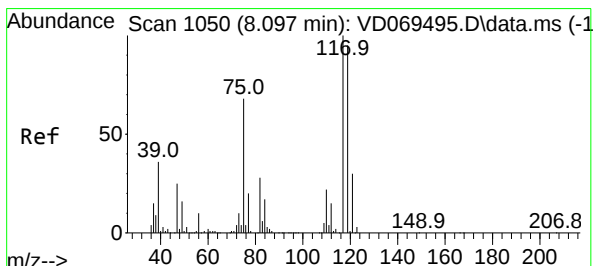
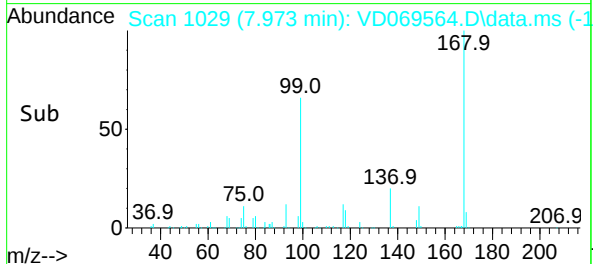
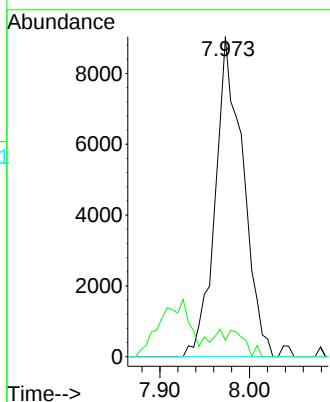
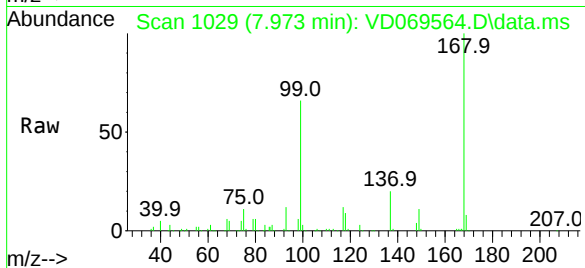




#36
1,1-Dichloropropene
Concen: 5.239 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

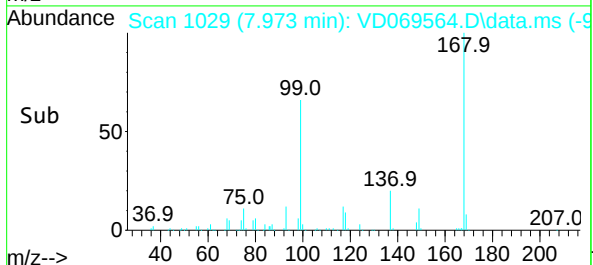
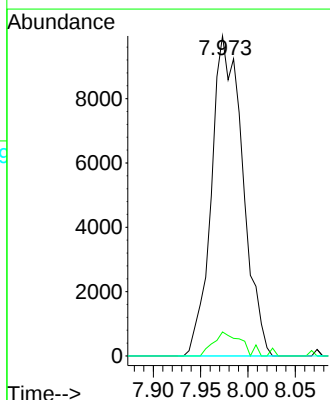
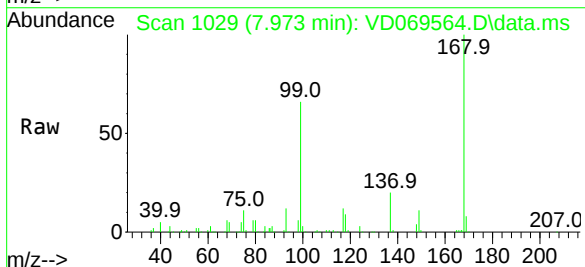
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

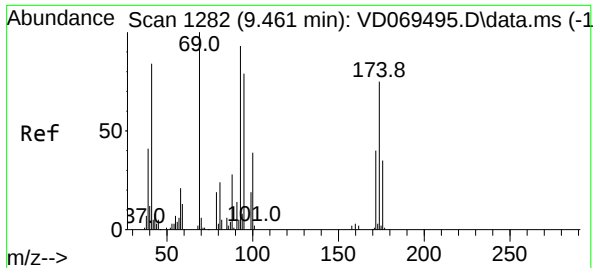
Tgt Ion: 75 Resp: 19434
Ion Ratio Lower Upper
75 100
110 1.1 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.233 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 117 Resp: 22884
Ion Ratio Lower Upper
117 100
119 7.5 75.6 113.4#
121 0.0 23.8 35.8#

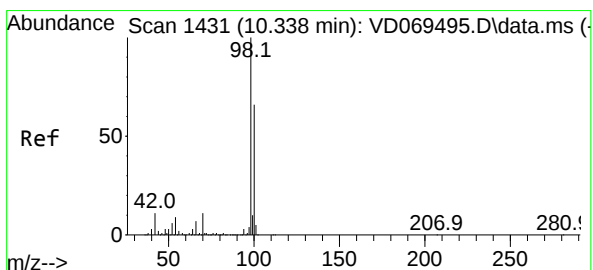
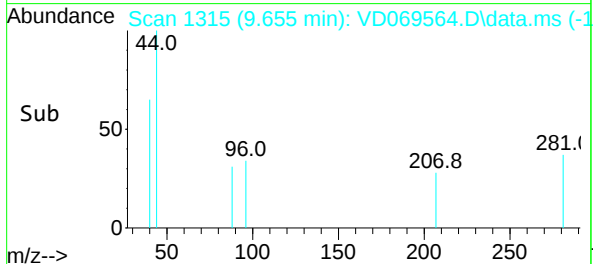
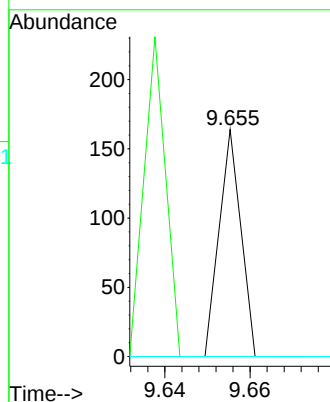
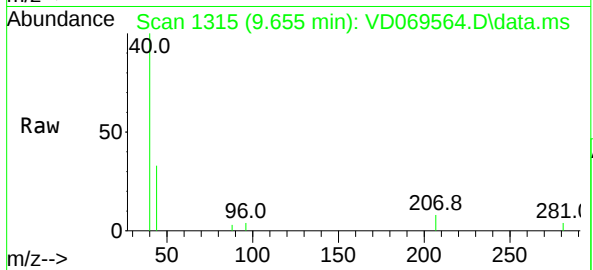




#49
1,4-Dioxane
Concen: 4.095 ug/l
RT: 9.655 min Scan# 1315
Delta R.T. 0.194 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

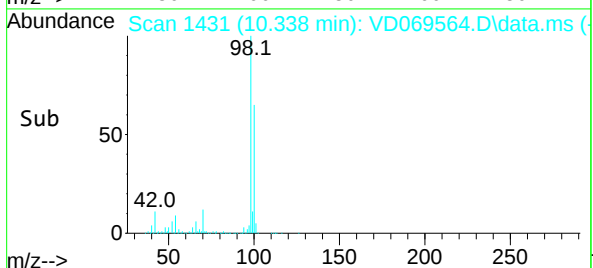
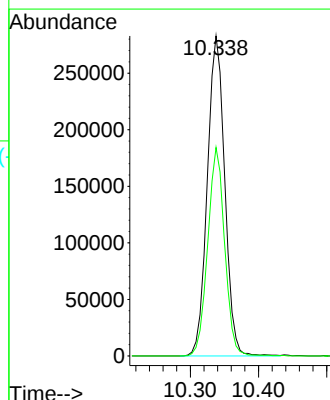
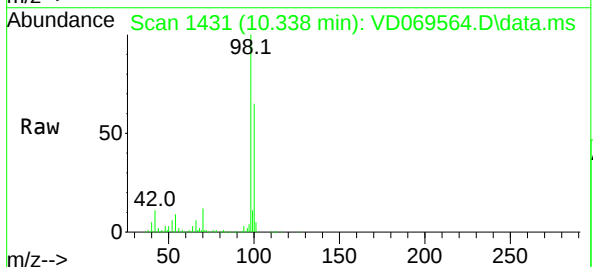
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

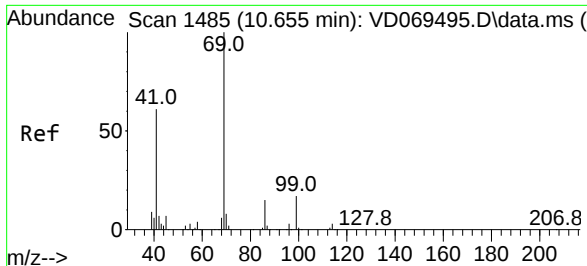
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 139.7 26.5 39.7#
58 0.0 56.0 84.0#



#50
Toluene-d8
Concen: 52.579 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 98 Resp: 503928
Ion Ratio Lower Upper
98 100
100 63.3 52.3 78.5

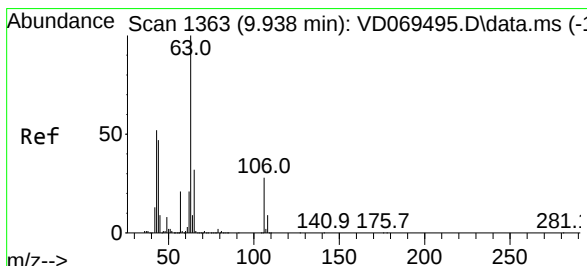
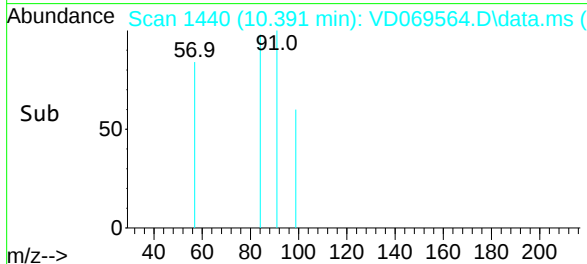
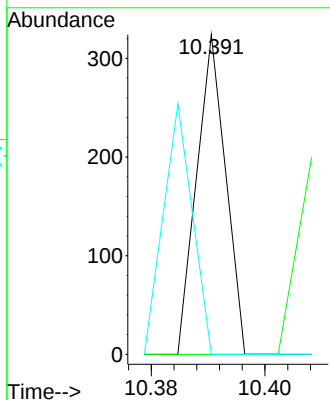
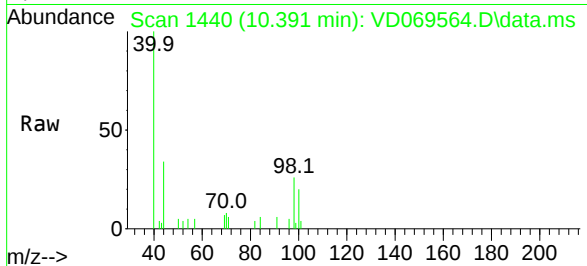




#56
Ethyl methacrylate
Concen: 2.627 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. -0.264 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

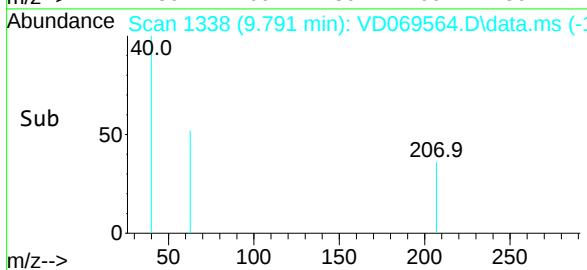
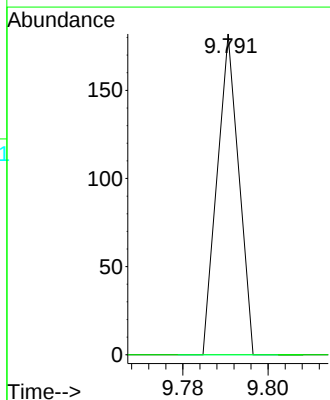
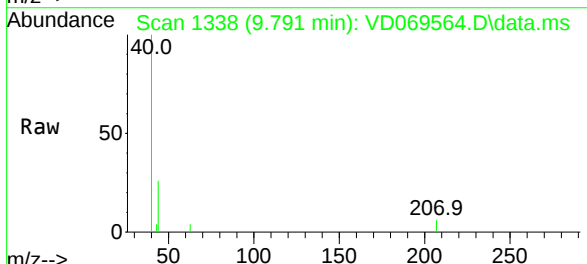
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

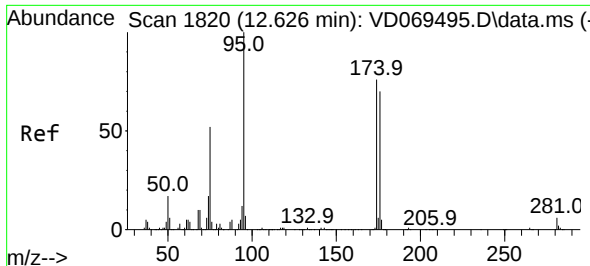
Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 78.9 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.649 ug/l
RT: 9.791 min Scan# 1338
Delta R.T. -0.147 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

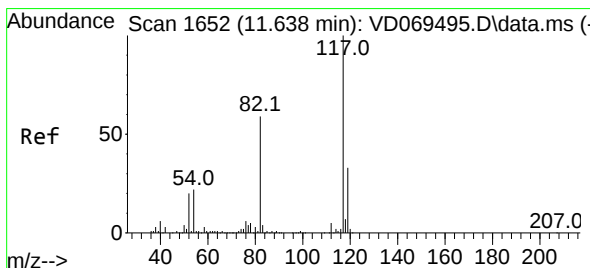
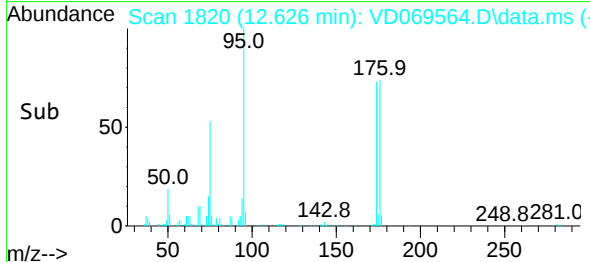
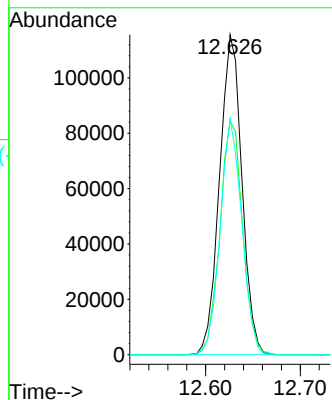
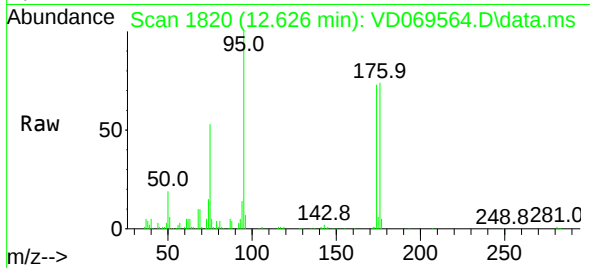




#62
4-Bromofluorobenzene
Concen: 60.202 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

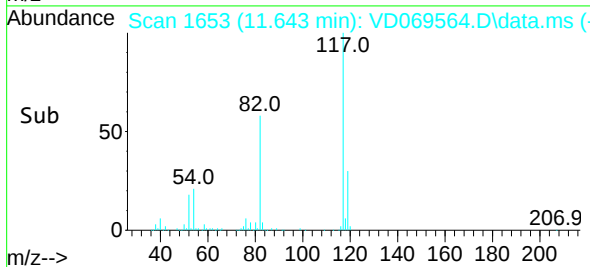
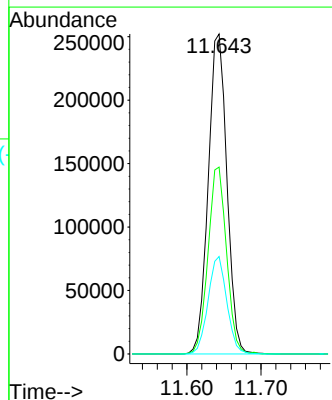
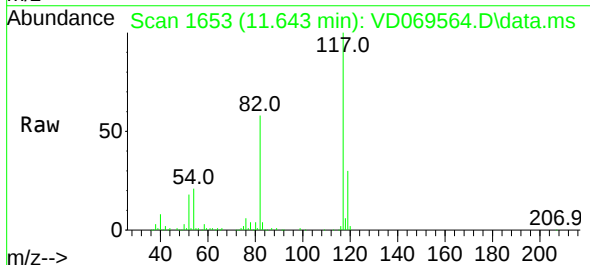
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

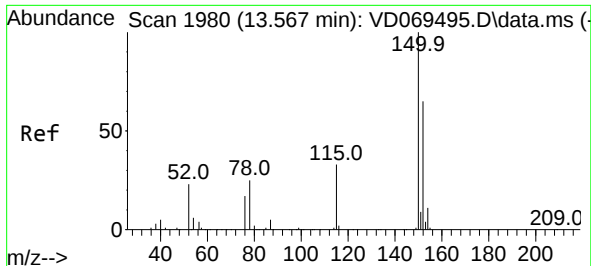
Tgt Ion: 95 Resp: 189686
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 71.4 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Tgt Ion: 117 Resp: 440514
Ion Ratio Lower Upper
117 100
82 58.4 46.8 70.2
119 30.5 26.2 39.2

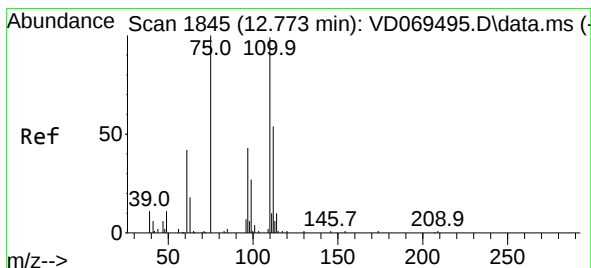
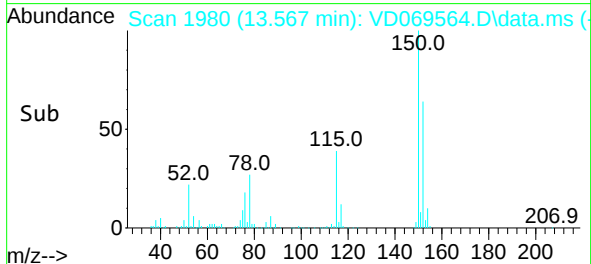
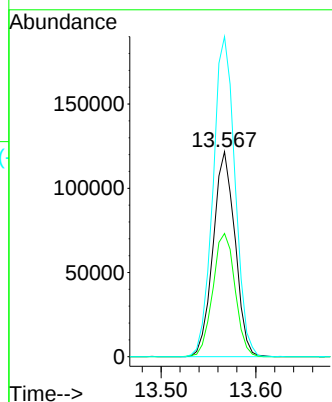
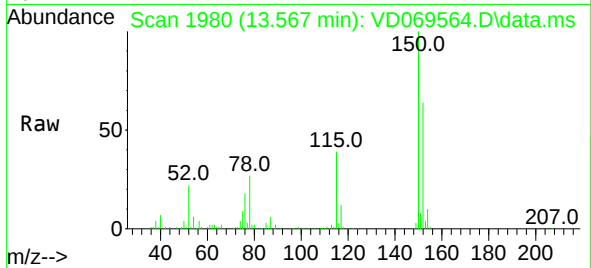




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

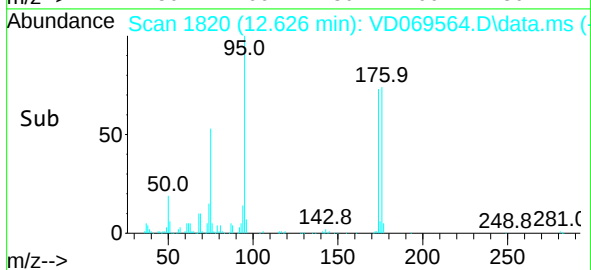
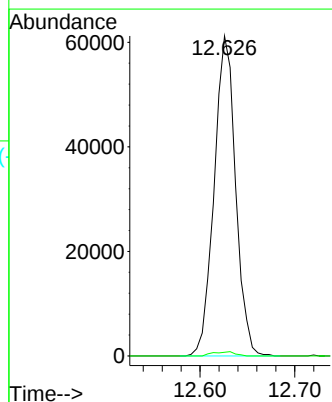
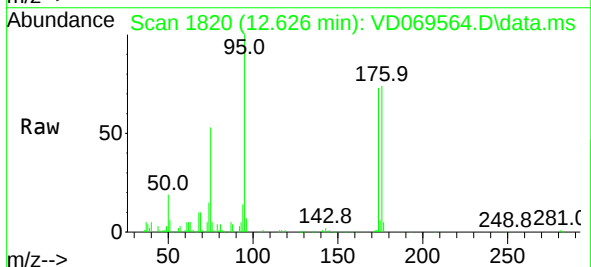
Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

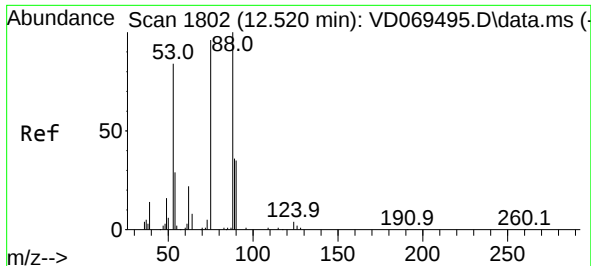
Tgt Ion:152 Resp: 195570
Ion Ratio Lower Upper
152 100
115 61.0 31.7 95.1
150 157.2 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 50.237 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

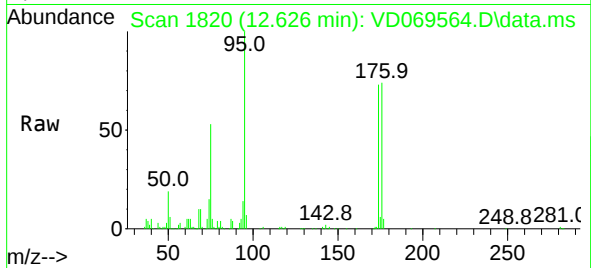
Tgt Ion: 75 Resp: 96444
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



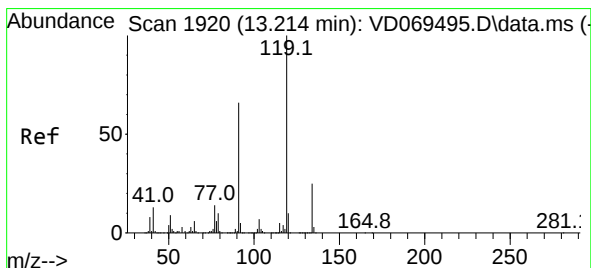
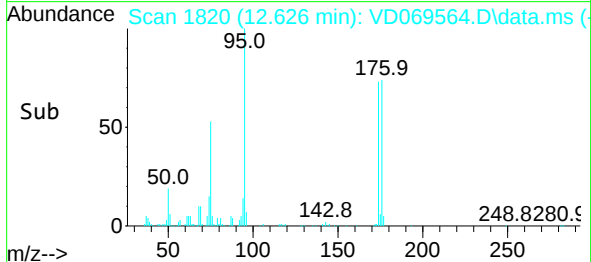
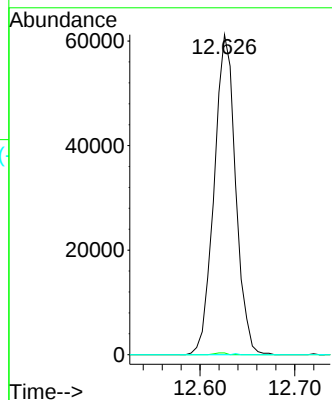


#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.436 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069564.D
 Acq: 25 Jun 2021 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-9.5-10.0

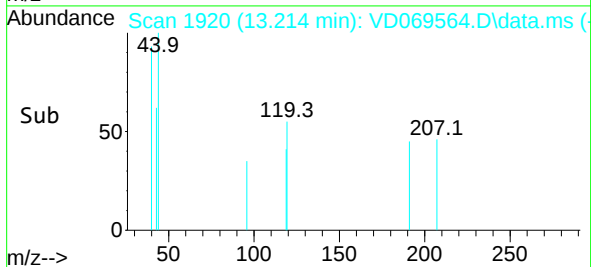
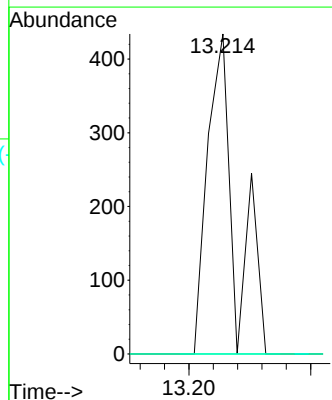
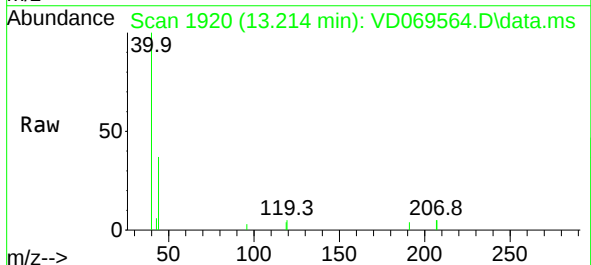


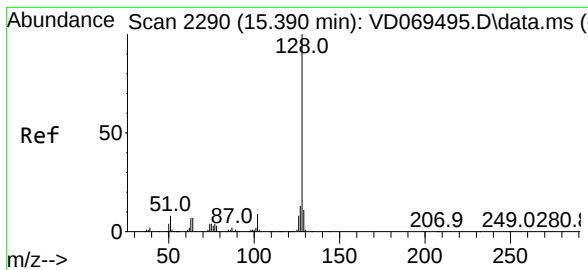
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	74.6	112.0#
89	0.1	35.3	52.9#



#83
 tert-Butylbenzene
 Concen: 2.025 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. -0.000 min
 Lab File: VD069564.D
 Acq: 25 Jun 2021 14:25

Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	32.5	97.4#
134	0.0	12.9	38.7#





#95
Naphthalene
Concen: 3.475 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069564.D
Acq: 25 Jun 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
SB-04-9.5-10.0

Tgt Ion:128 Resp: 791
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

