

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069627.D
 Acq On : 08 Jul 2021 14:13
 Operator : VA/SY
 Sample : M2963-03
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:02:42 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)

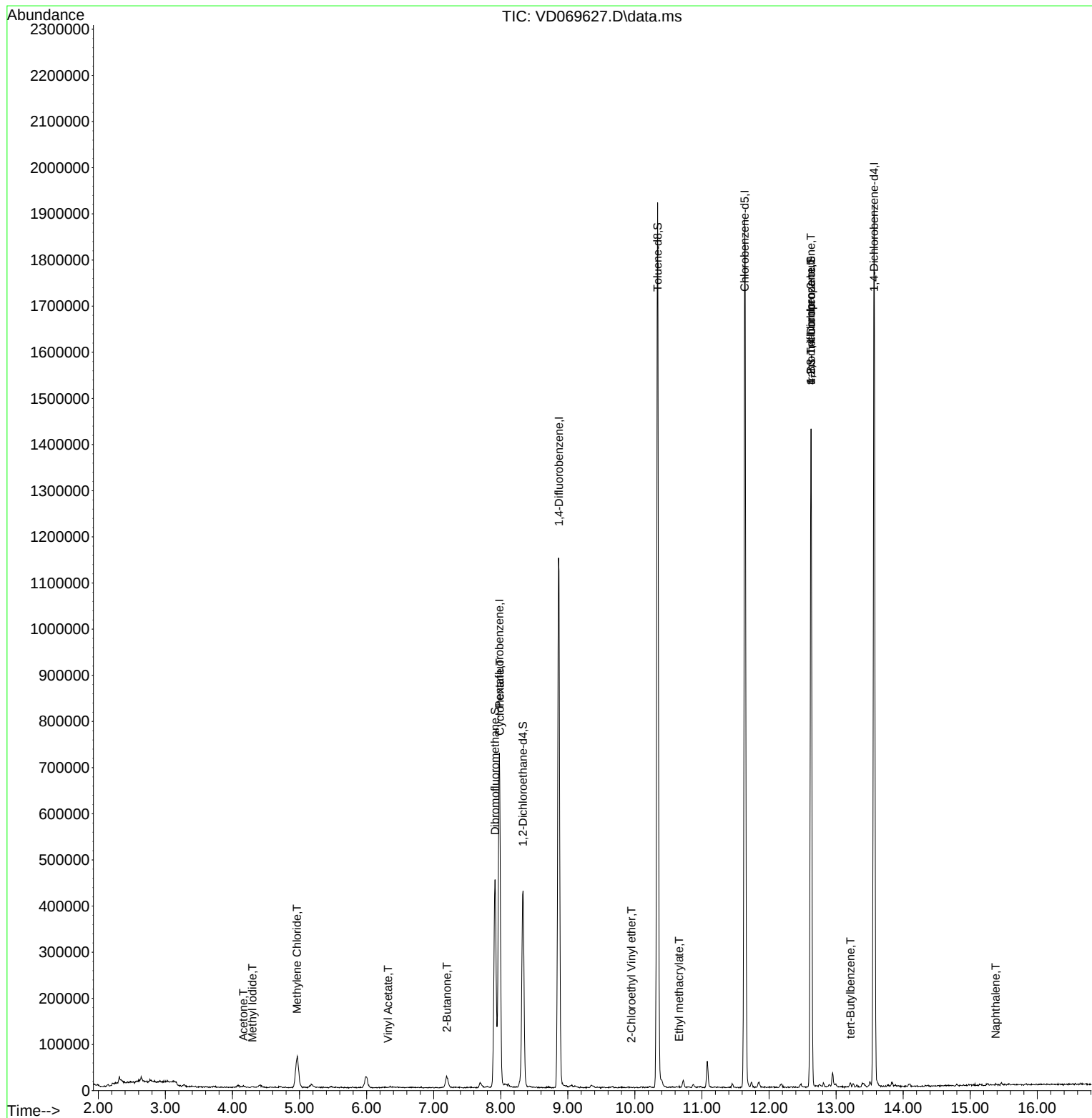
Internal Standards						
1) Pentafluorobenzene	7.979	168	497616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	975063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1076044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	482318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	347033	55.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.900%	
35) Dibromofluoromethane	7.914	113	334067	50.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.360%	
50) Toluene-d8	10.338	98	1280941	51.811	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.620%	
62) 4-Bromofluorobenzene	12.626	95	487885	60.026	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.060%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	4047	Below Cal		91
10) Methyl Iodide	4.297	142	2520	4.386 ug/l #		83
11) Tert butyl alcohol	5.185	59	4751	Below Cal #		83
16) Acetone	4.162	43	5344	5.119 ug/l #		82
18) Methyl Acetate	4.726	43	194	Below Cal #		49
20) Methylene Chloride	4.962	84	51610	1.589 ug/l		93
23) Vinyl Acetate	6.320	43	448	19.057 ug/l #		70
25) 2-Butanone	7.197	43	1755	1.323 ug/l #		44
31) Cyclohexane	7.985	56	14241	1.705 ug/l #		15
56) Ethyl methacrylate	10.661	69	557	2.667 ug/l		95
58) 2-Chloroethyl Vinyl ether	9.950	63	79	10.624 ug/l #		47
76) 1,2,3-Trichloropropane	12.626	75	244808	51.706 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	244808	129.104 ug/l #		12
83) tert-Butylbenzene	13.214	119	2437	2.086 ug/l		81
95) Naphthalene	15.379	128	2576	3.514 ug/l #		80

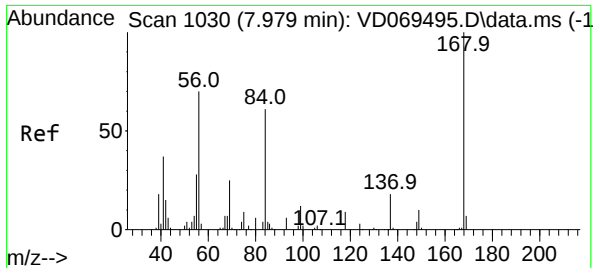
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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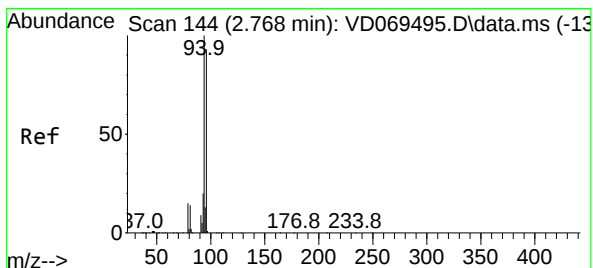
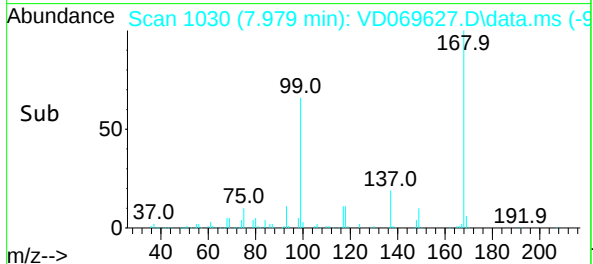
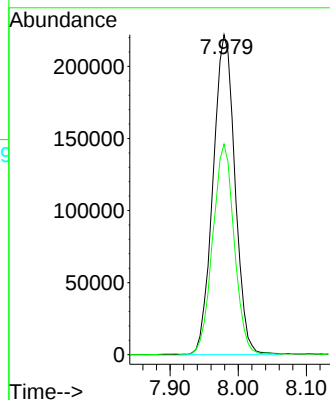
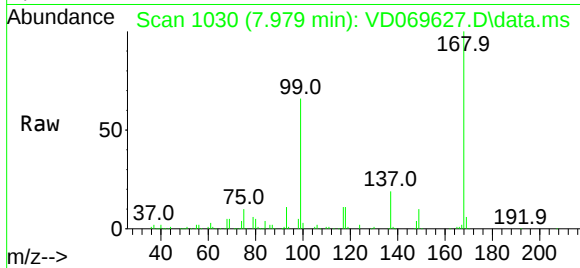




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

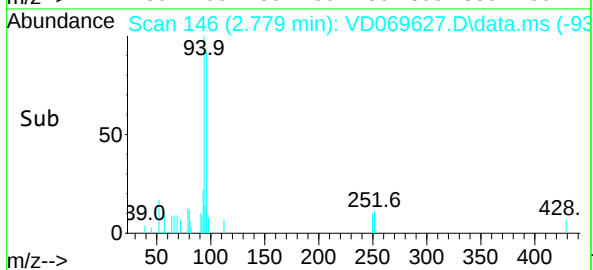
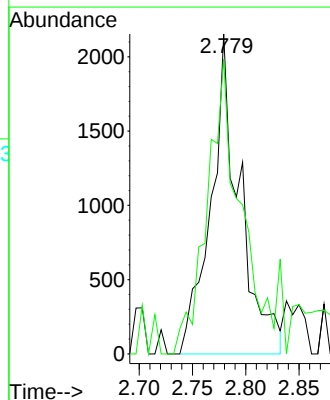
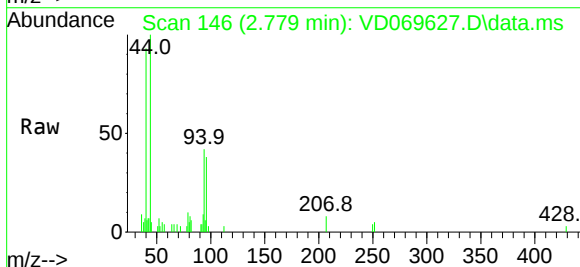
Instrument :
MSVOA_D
ClientSampleId :

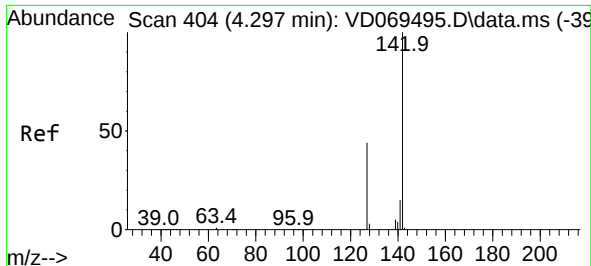
Tgt Ion:168 Resp: 497616
Ion Ratio Lower Upper
168 100
99 65.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

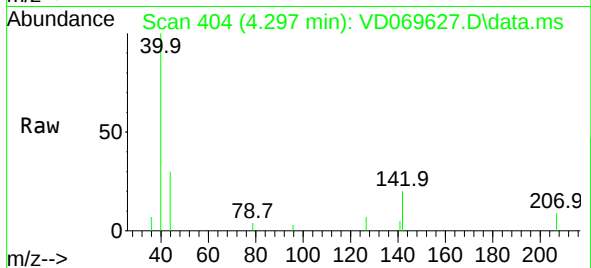
Tgt Ion: 94 Resp: 4047
Ion Ratio Lower Upper
94 100
96 84.3 74.6 111.8



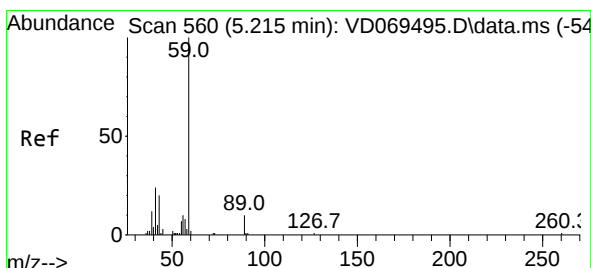
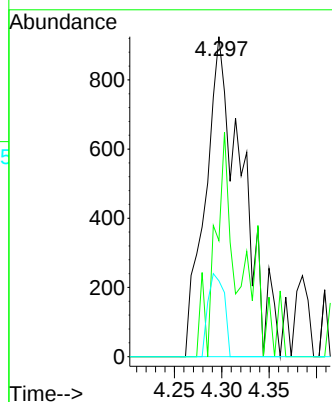
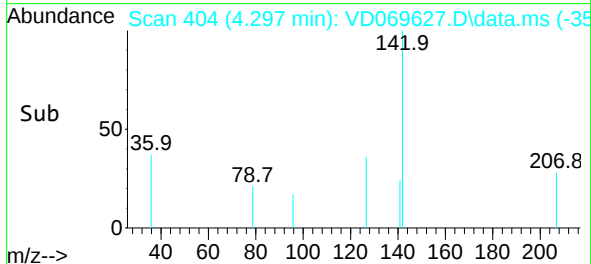


#10
Methyl Iodide
Concen: 4.386 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

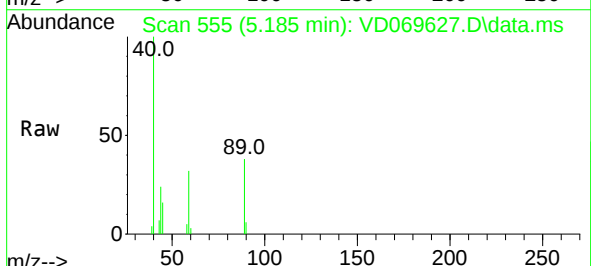
Instrument :
MSVOA_D
ClientSampleId :



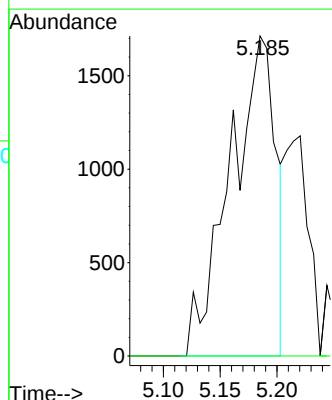
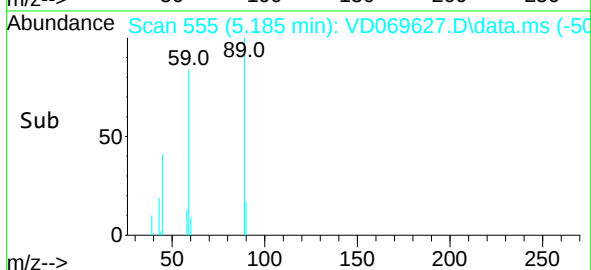
Tgt Ion:142 Resp: 2520
Ion Ratio Lower Upper
142 100
127 32.5 36.5 54.7#
141 11.2 12.0 18.0#

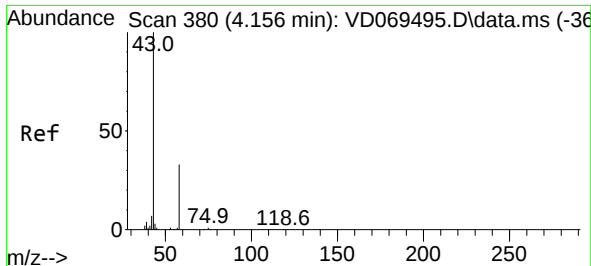


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13



Tgt Ion: 59 Resp: 4751
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

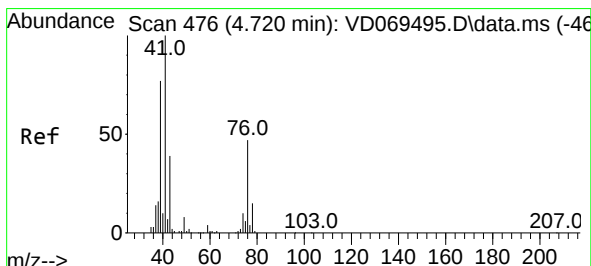
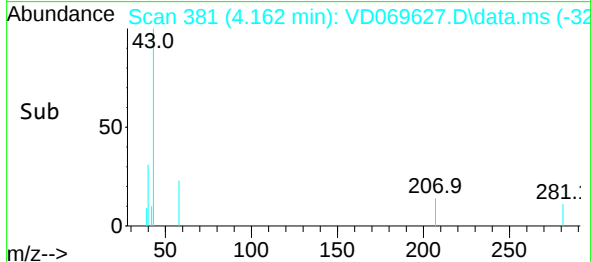
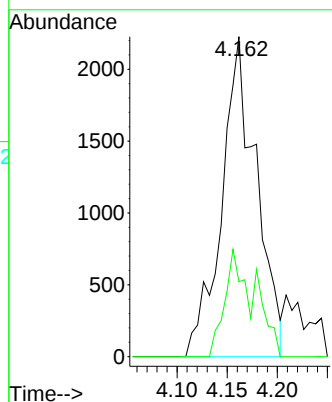
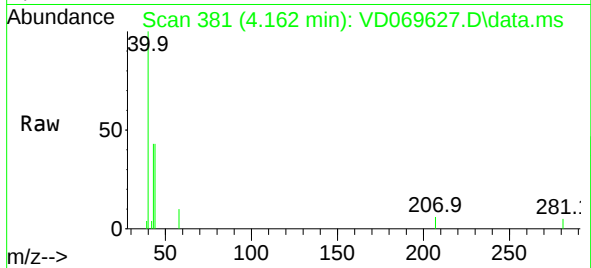




#16
Acetone
Concen: 5.119 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

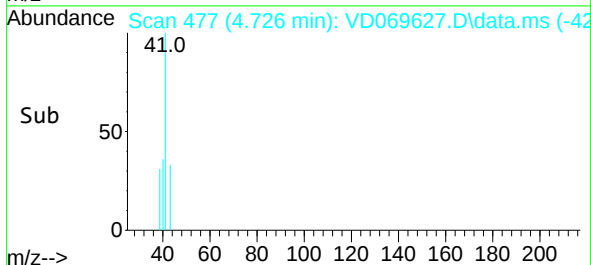
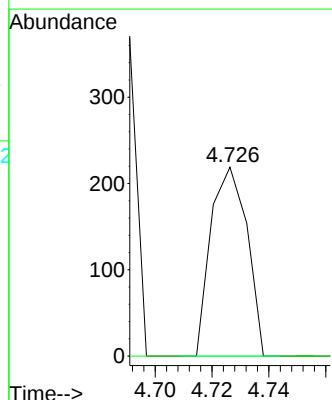
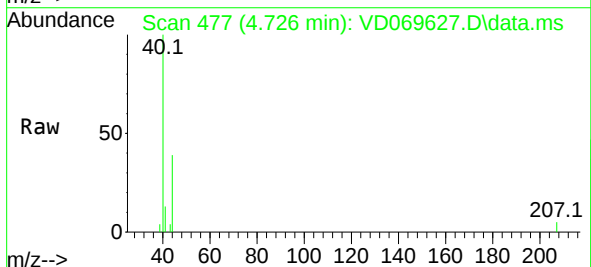
Instrument :
MSVOA_D
ClientSampled :

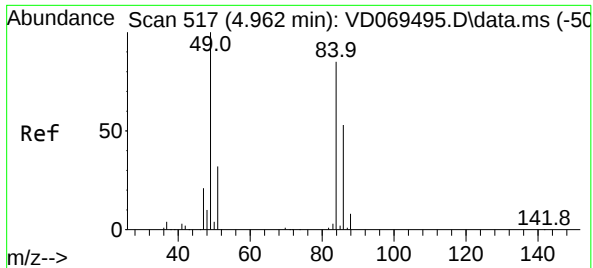
Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
58 23.4 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

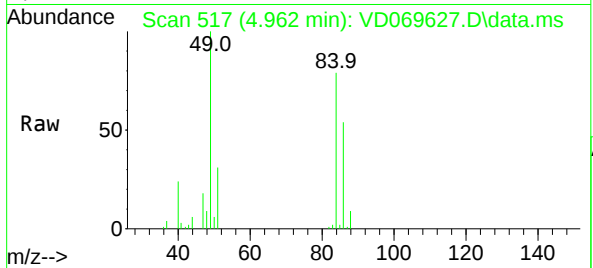
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



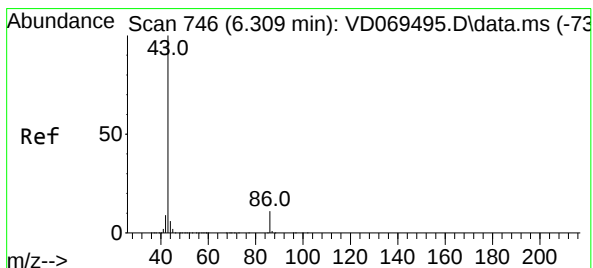
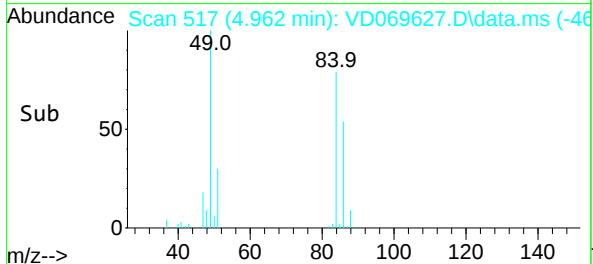
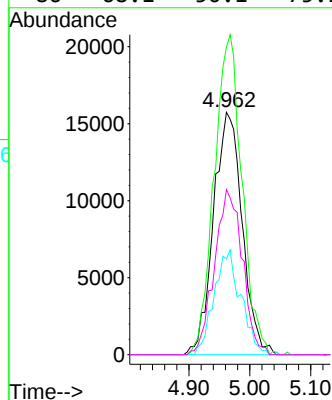


#20
Methylene Chloride
Concen: 1.589 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Instrument :
MSVOA_D
ClientSampled :

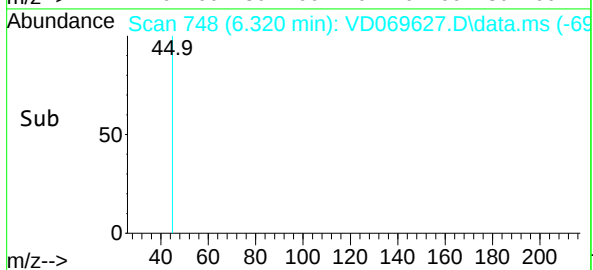
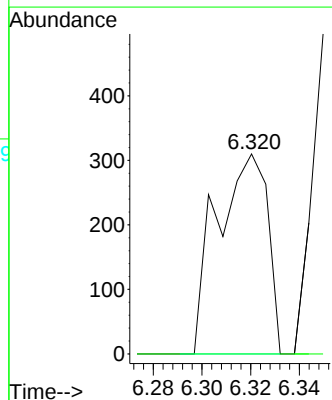
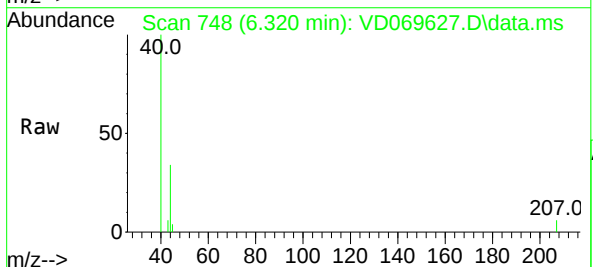


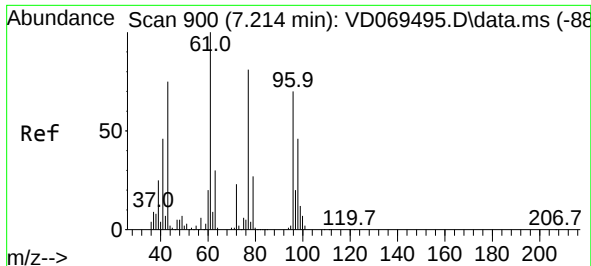
Tgt Ion:	84	Resp:	51610
Ion	Ratio	Lower	Upper
84	100		
49	126.9	94.0	141.0
51	39.5	29.7	44.5
86	68.1	50.1	75.1



#23
Vinyl Acetate
Concen: 19.057 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

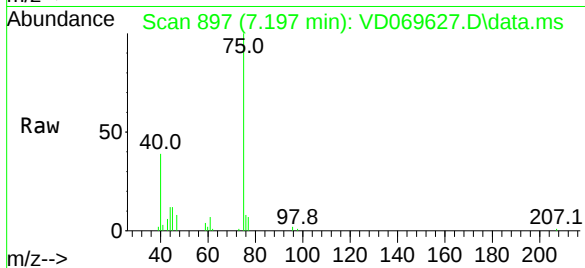
Tgt Ion:	43	Resp:	448
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



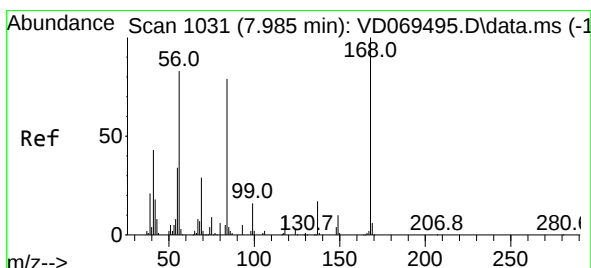
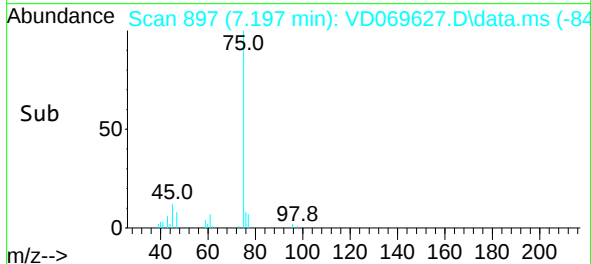
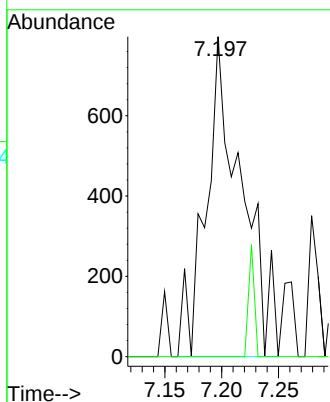


#25
2-Butanone
Concen: 1.323 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Instrument :
MSVOA_D
ClientSampled :

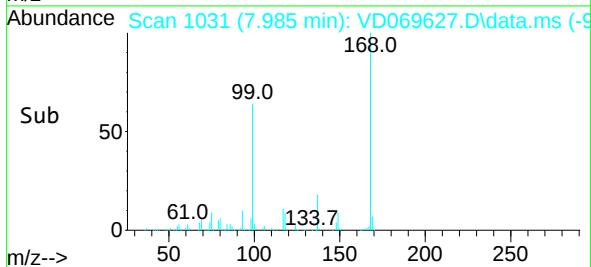
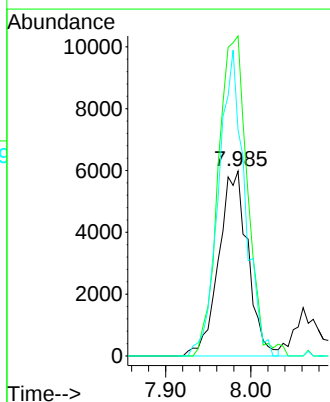
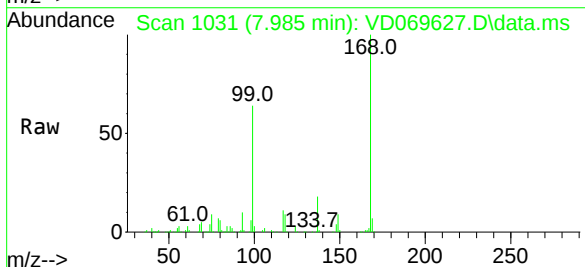


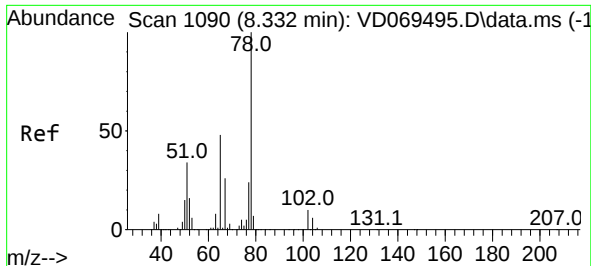
Tgt Ion: 43 Resp: 1755
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.705 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Tgt Ion: 56 Resp: 14241
Ion Ratio Lower Upper
56 100
69 173.1 28.0 42.0#
84 122.4 75.7 113.5#

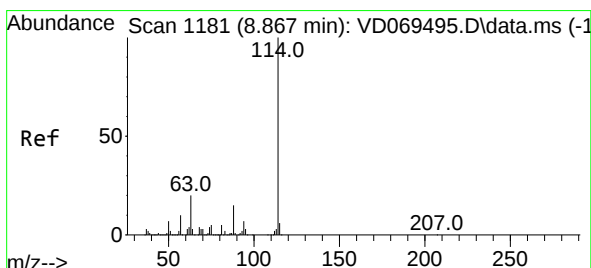
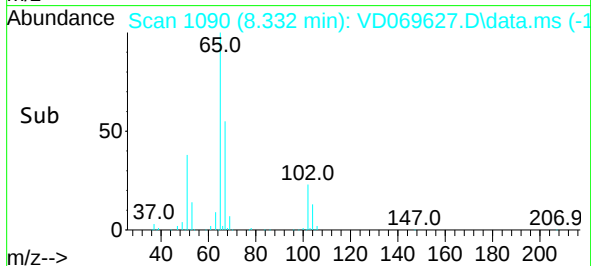
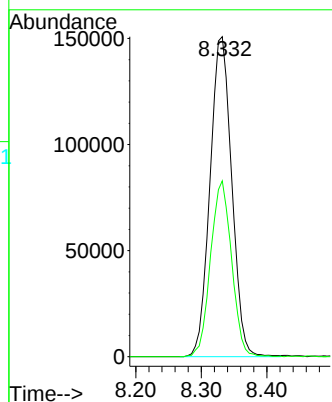
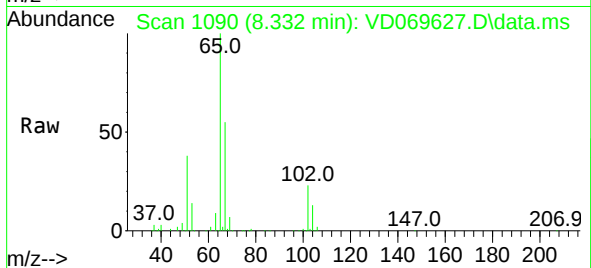




#33
 1,2-Dichloroethane-d4
 Concen: 55.949 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD069627.D
 Acq: 08 Jul 2021 14:13

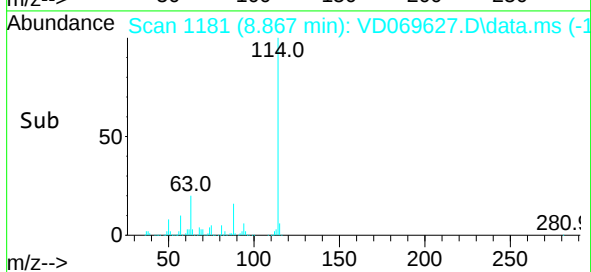
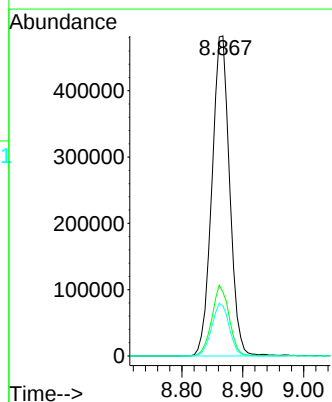
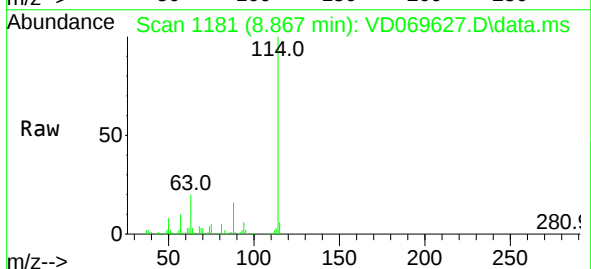
Instrument :
 MSVOA_D
 ClientSampleId :

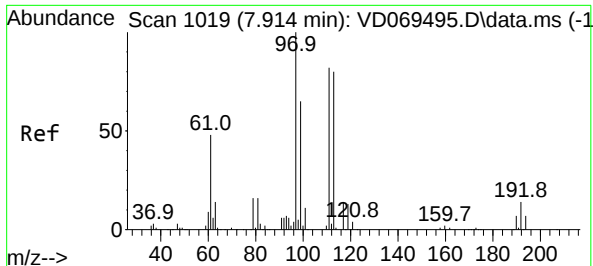
Tgt Ion: 65 Resp: 347033
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD069627.D
 Acq: 08 Jul 2021 14:13

Tgt Ion:114 Resp: 975063
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 15.6 0.0 29.8



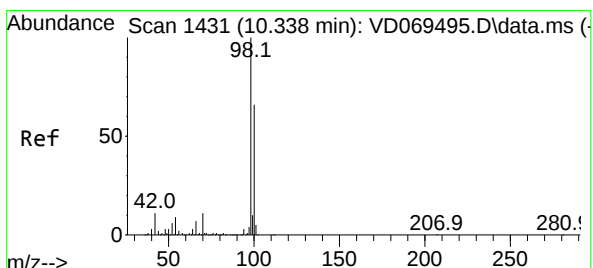
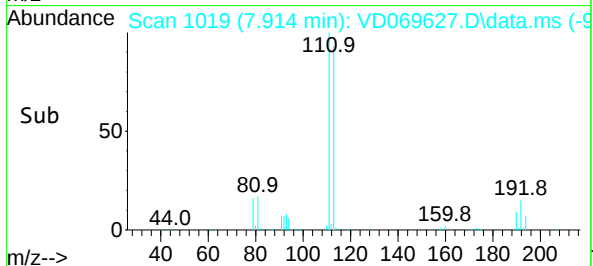
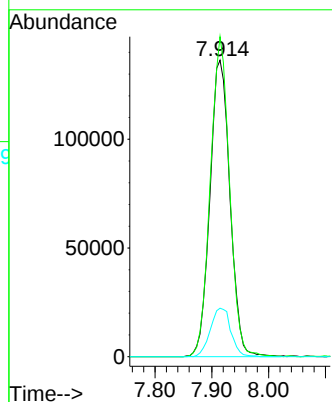
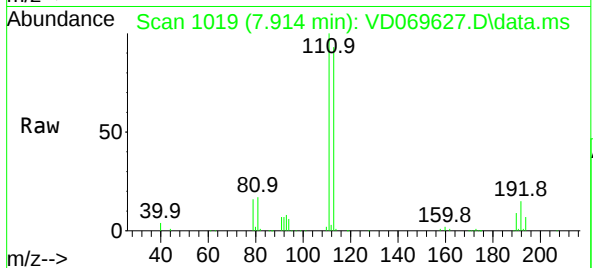


#35

Dibromofluoromethane
Concen: 50.683 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Instrument :
MSVOA_D
ClientSampleId :

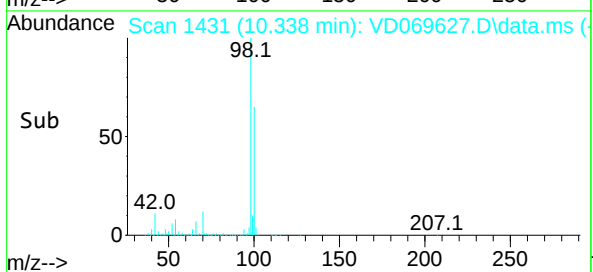
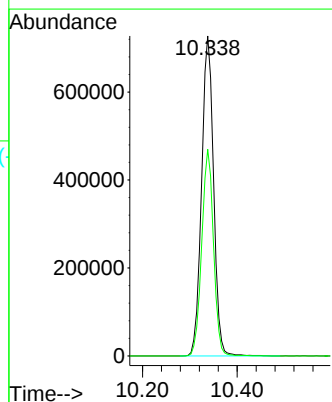
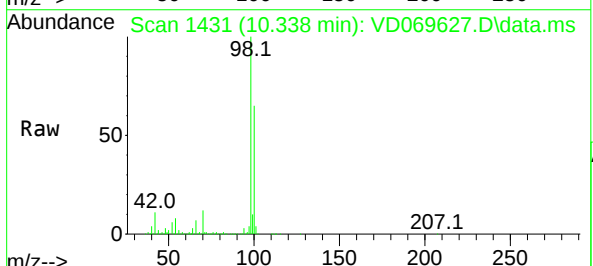
Tgt Ion:113 Resp: 334067
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 16.7 13.8 20.6

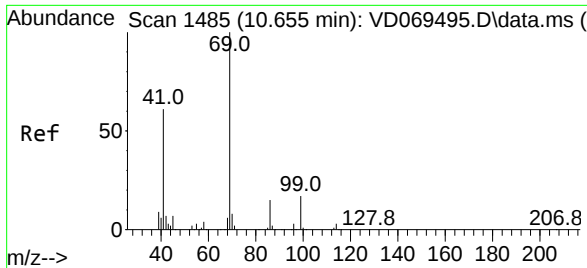


#50

Toluene-d8
Concen: 51.811 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Tgt Ion: 98 Resp: 1280941
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5

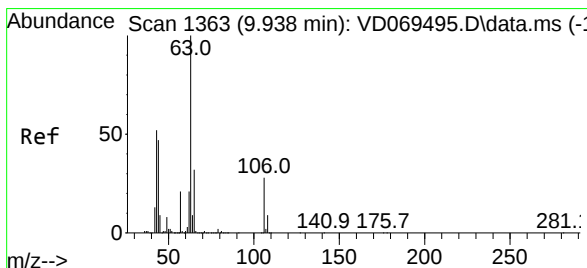
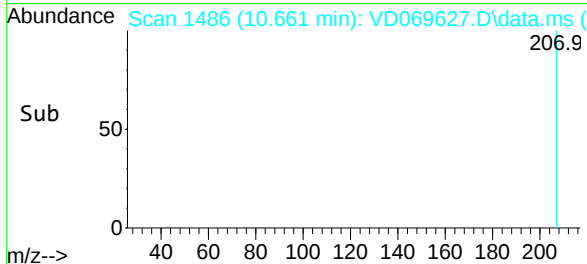
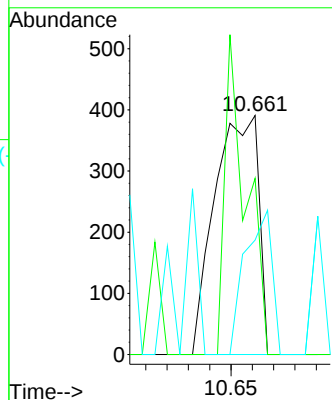
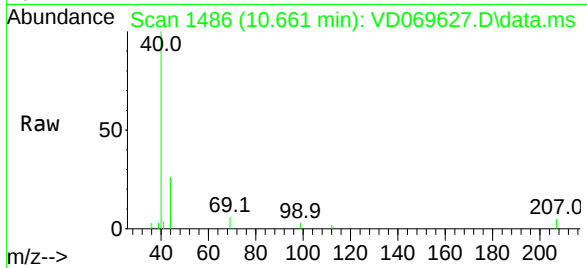




#56
Ethyl methacrylate
Concen: 2.667 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

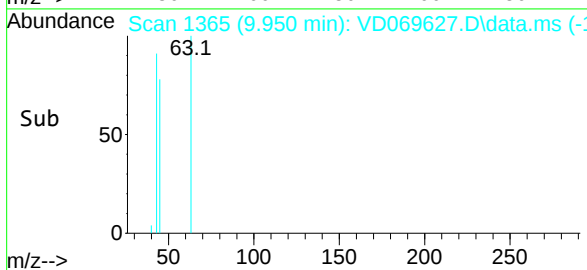
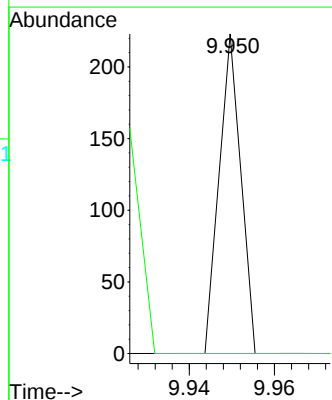
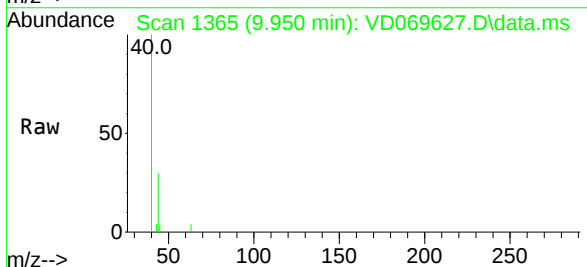
Instrument :
MSVOA_D
ClientSampleId :

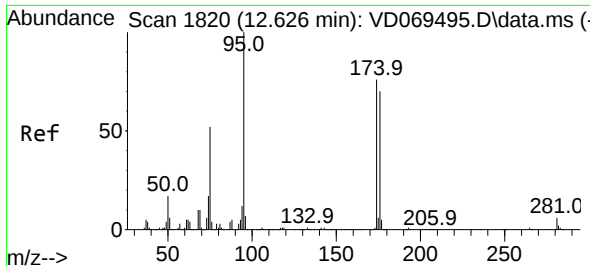
Tgt Ion:	69	Resp:	557
Ion	Ratio	Lower	Upper
69	100		
41	65.4	49.4	74.0
39	37.2	26.9	40.3



#58
2-Chloroethyl Vinyl ether
Concen: 10.624 ug/l
RT: 9.950 min Scan# 1365
Delta R.T. 0.012 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Tgt Ion:	63	Resp:	79
Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.2	33.2

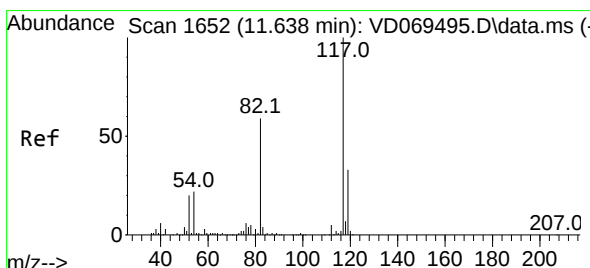
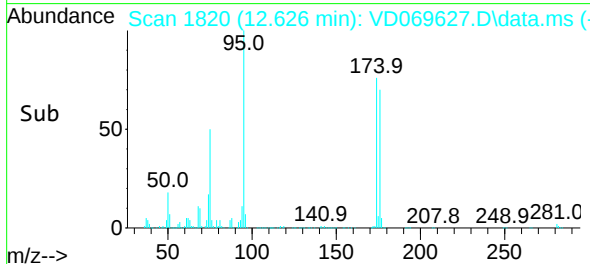
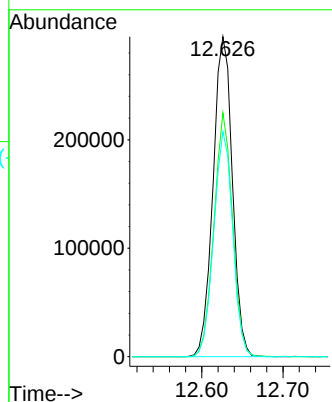
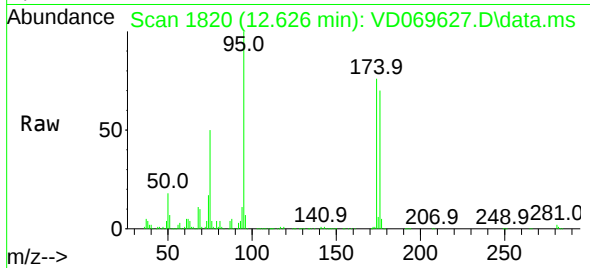




#62
4-Bromofluorobenzene
Concen: 60.026 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

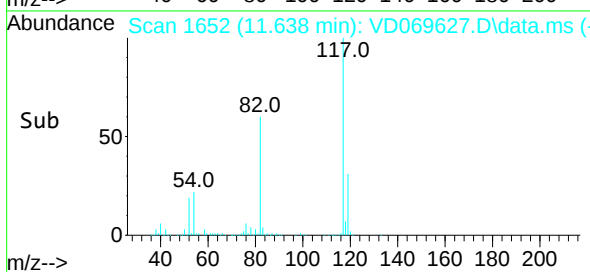
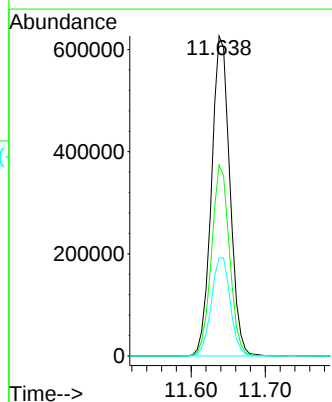
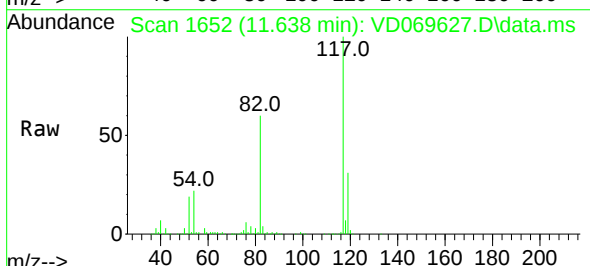
Instrument :
MSVOA_D
ClientSampleId :

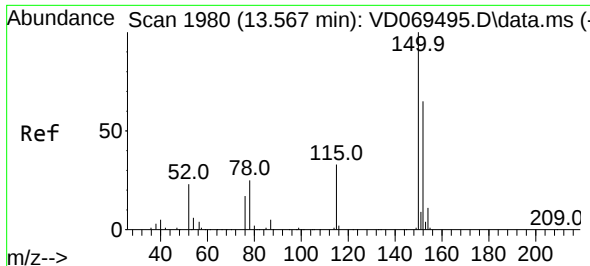
Tgt Ion: 95 Resp: 487885
Ion Ratio Lower Upper
95 100
174 73.5 0.0 148.0
176 69.0 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Tgt Ion: 117 Resp: 1076044
Ion Ratio Lower Upper
117 100
82 59.7 46.8 70.2
119 30.6 26.2 39.2

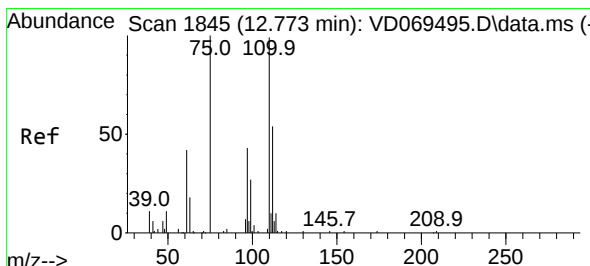
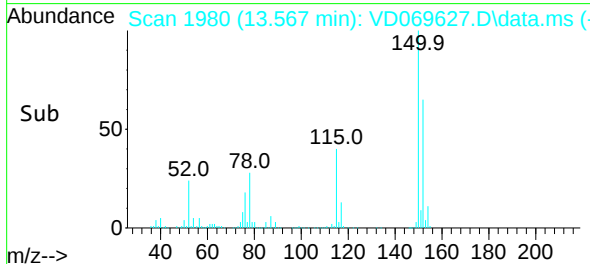
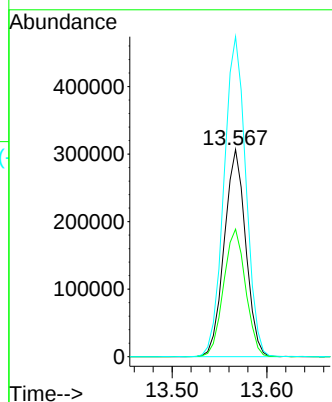
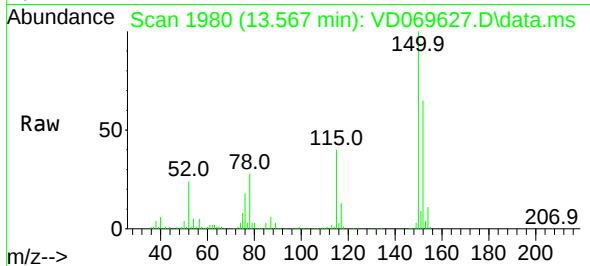




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

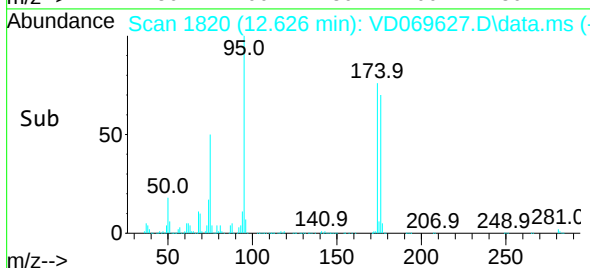
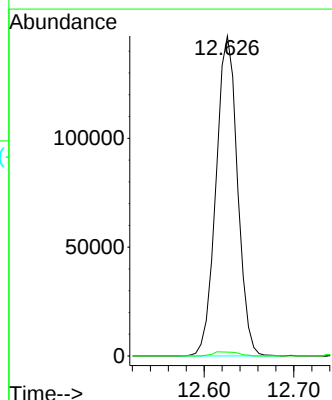
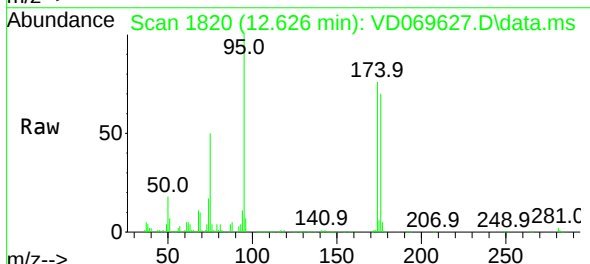
Instrument :
MSVOA_D
ClientSampleId :

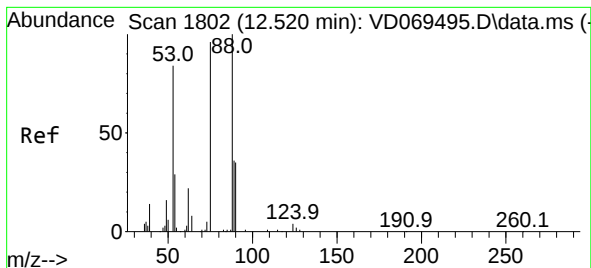
Tgt Ion:152 Resp: 482318
Ion Ratio Lower Upper
152 100
115 63.2 31.7 95.1
150 158.0 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 51.706 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

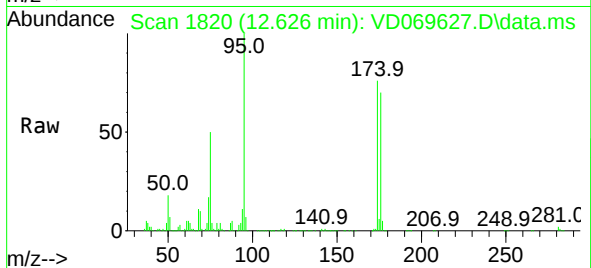
Tgt Ion: 75 Resp: 244808
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



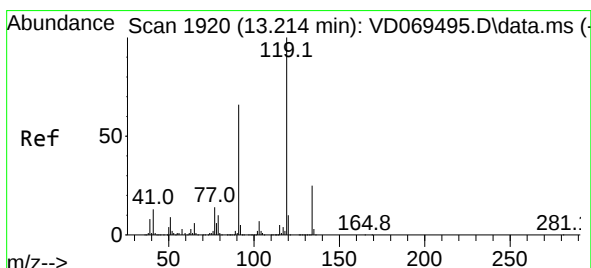
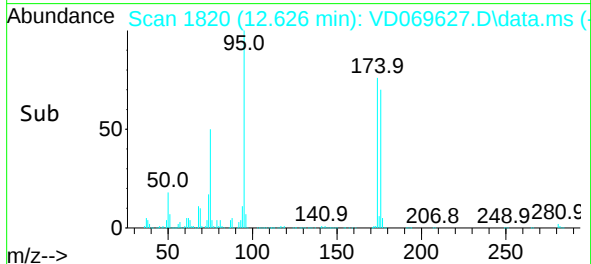
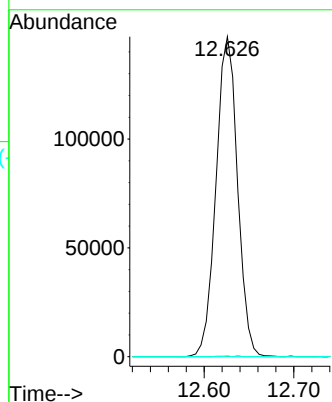


#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.104 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069627.D
 Acq: 08 Jul 2021 14:13

Instrument :
 MSVOA_D
 ClientSampled :

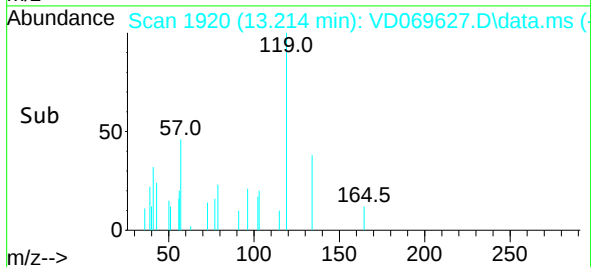
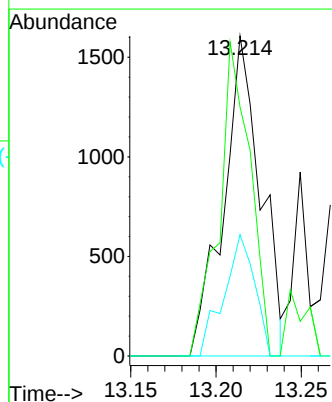
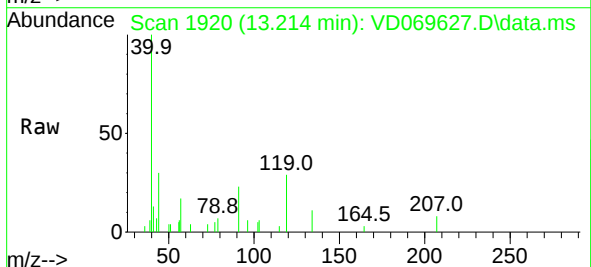


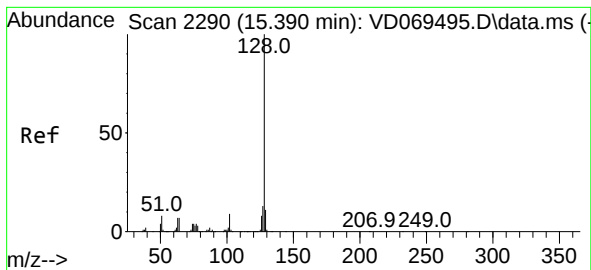
Tgt Ion: 75 Resp: 244808
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.6 112.0#
 89 0.1 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.086 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: VD069627.D
 Acq: 08 Jul 2021 14:13

Tgt Ion: 119 Resp: 2437
 Ion Ratio Lower Upper
 119 100
 91 82.6 32.5 97.4
 134 31.4 12.9 38.7





#95
Naphthalene
Concen: 3.514 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069627.D
Acq: 08 Jul 2021 14:13

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:128 Resp: 2576
Ion Ratio Lower Upper
128 100
127 2.3 10.6 16.0#
129 6.4 8.7 13.1#

