

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069581.D
 Acq On : 06 Jul 2021 14:23
 Operator : VA/SY
 Sample : VD0706SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0706SBL01

Quant Time: Jul 07 04:52:11 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)

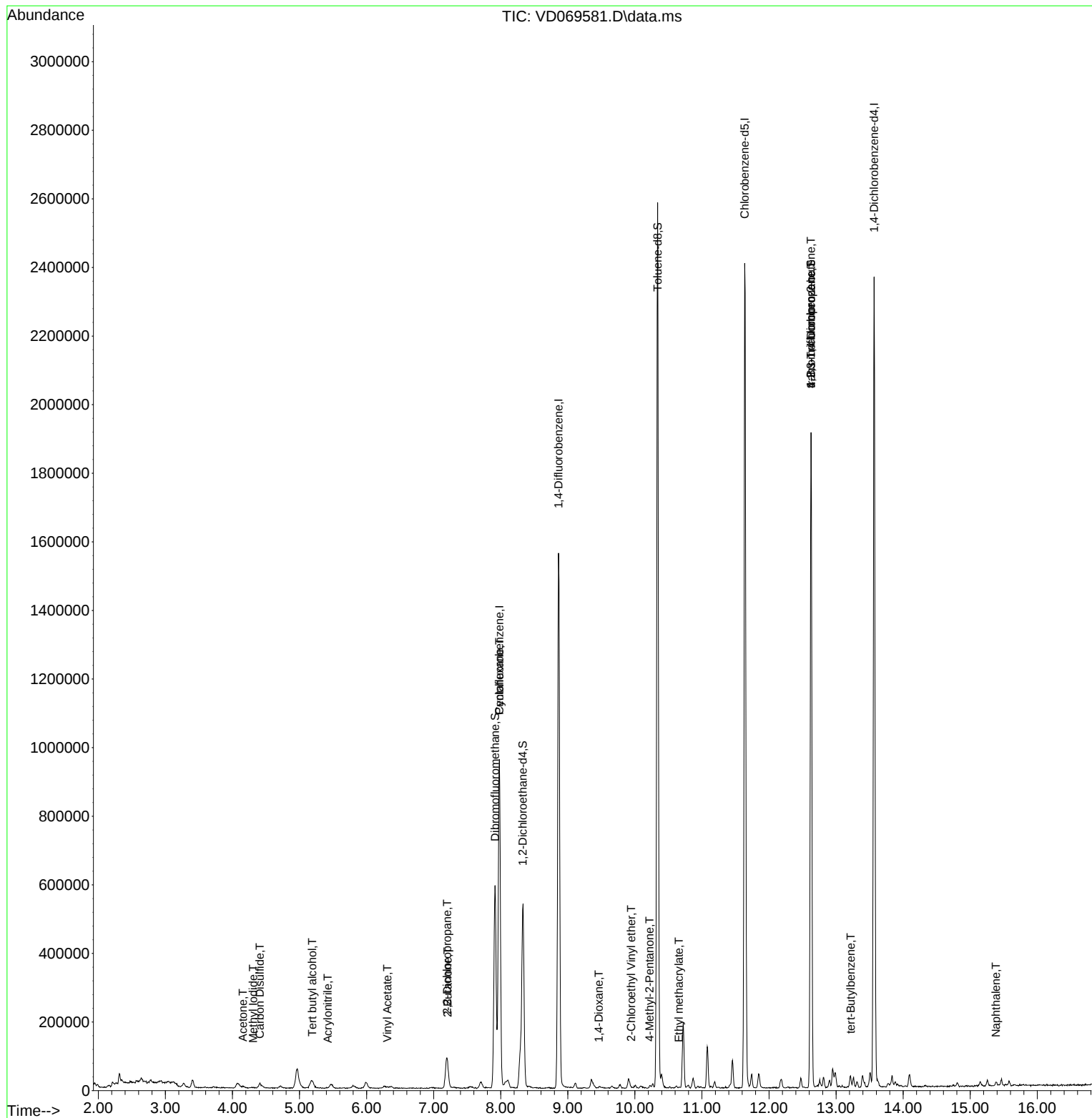
Internal Standards						
1) Pentafluorobenzene	7.979	168	655546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1317514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1371787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	612991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	418879	51.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 102.520%		
35) Dibromofluoromethane	7.914	113	432628	48.576	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 97.160%		
50) Toluene-d8	10.338	98	1711803	51.242	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 102.480%		
62) 4-Bromofluorobenzene	12.626	95	650279	59.210	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 118.420%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	5215	Below Cal	#	64
10) Methyl Iodide	4.309	142	4464	4.539	ug/l #	40
11) Tert butyl alcohol	5.191	59	21347	7.570	ug/l #	90
15) Acrylonitrile	5.420	53	1524	1.127	ug/l #	70
16) Acetone	4.156	43	8230	5.984	ug/l #	82
17) Carbon Disulfide	4.409	76	23870	1.120	ug/l #	91
18) Methyl Acetate	4.726	43	208	Below Cal	#	49
20) Methylene Chloride	4.962	84	44108	Below Cal		97
23) Vinyl Acetate	6.309	43	3720	19.306	ug/l #	70
25) 2-Butanone	7.209	43	6389	3.656	ug/l #	76
26) 2,2-Dichloropropane	7.203	77	13514	1.141	ug/l	88
31) Cyclohexane	7.979	56	23099	2.100	ug/l #	24
49) 1,4-Dioxane	9.461	88	87	1.762	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	5272	1.150	ug/l #	87
56) Ethyl methacrylate	10.655	69	1479	2.750	ug/l #	79
58) 2-Chloroethyl Vinyl ether	9.944	63	1807	10.998	ug/l	92
76) 1,2,3-Trichloropropane	12.626	75	327981	54.506	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	327981	136.095	ug/l #	12
83) tert-Butylbenzene	13.220	119	11627	2.343	ug/l	96
95) Naphthalene	15.385	128	8981	3.793	ug/l #	95

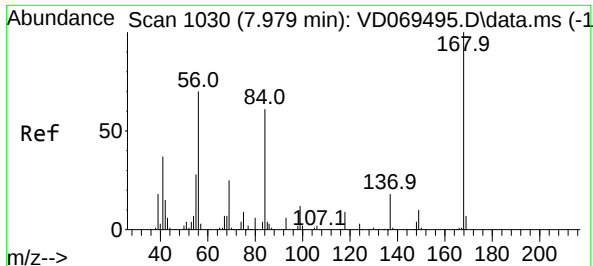
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

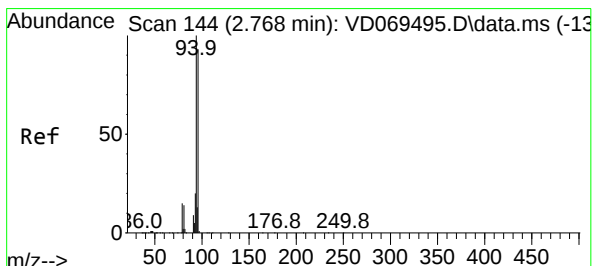
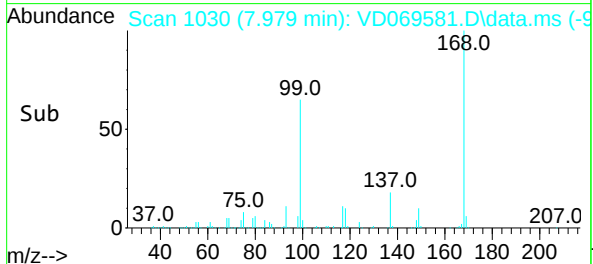
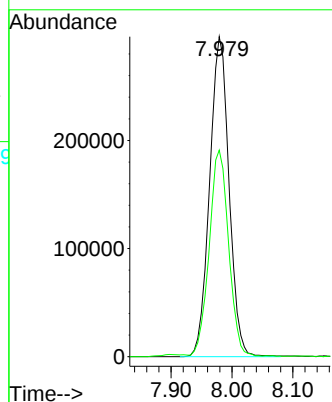
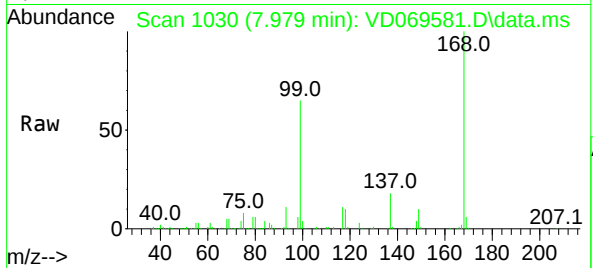




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

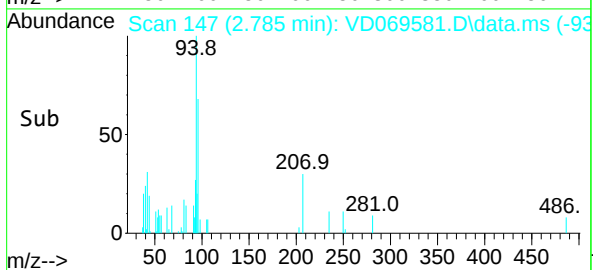
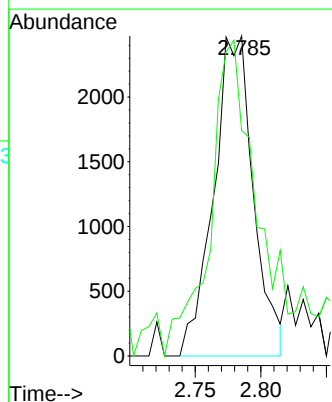
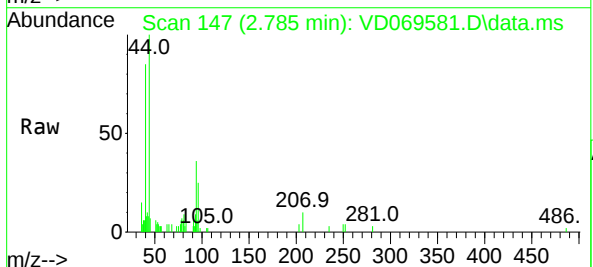
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

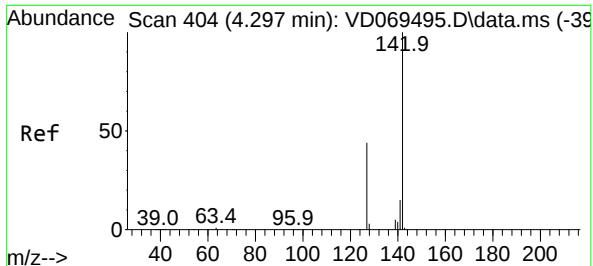
Tgt Ion:168 Resp: 655546
Ion Ratio Lower Upper
168 100
99 64.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

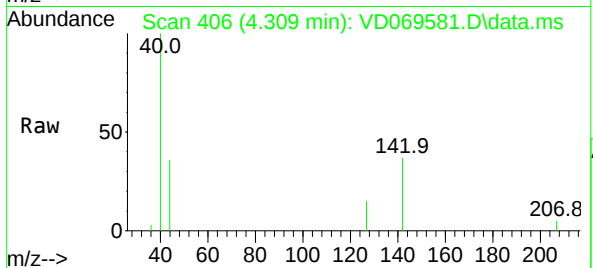
Tgt Ion: 94 Resp: 5215
Ion Ratio Lower Upper
94 100
96 58.5 74.6 111.8#



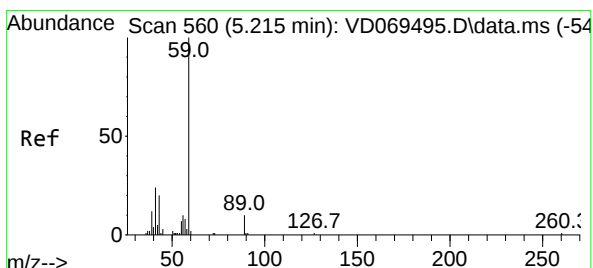
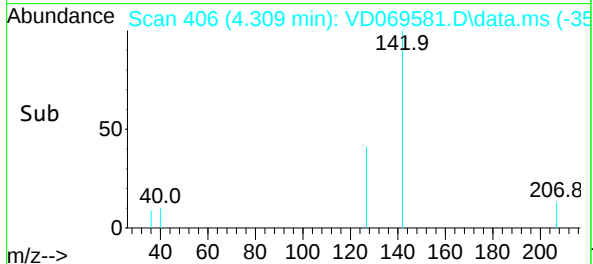
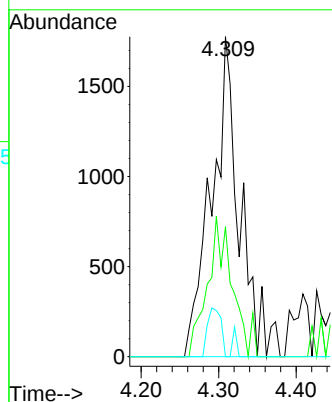


#10
Methyl Iodide
Concen: 4.539 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

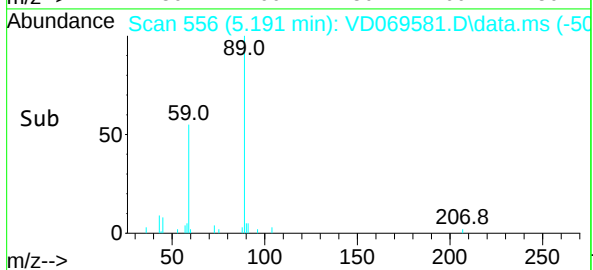
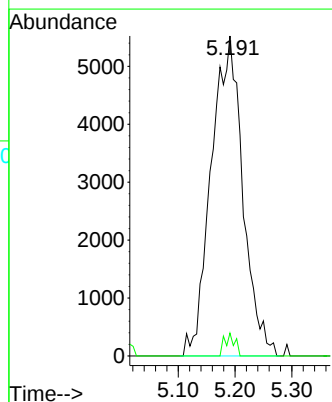
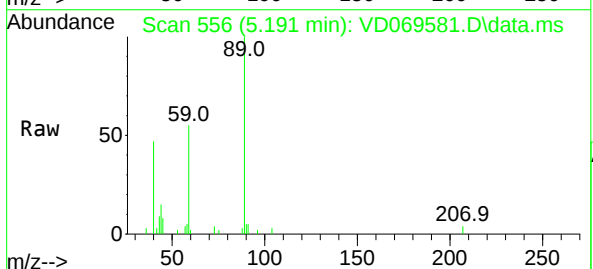


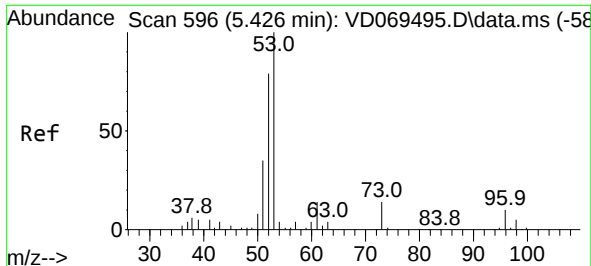
Tgt Ion:142 Resp: 4464
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 1.3 12.0 18.0#



#11
Tert butyl alcohol
Concen: 7.570 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 59 Resp: 21347
Ion Ratio Lower Upper
59 100
57 2.3 4.6 7.0#

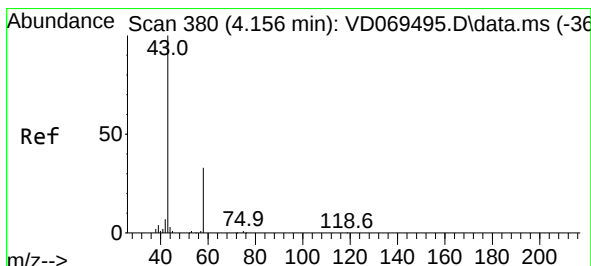
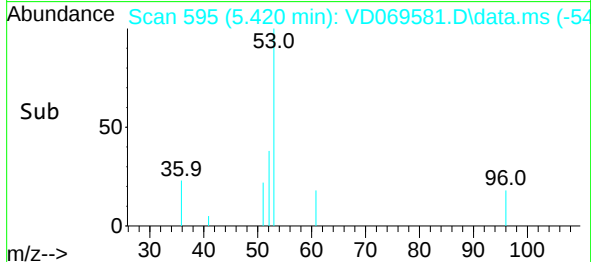
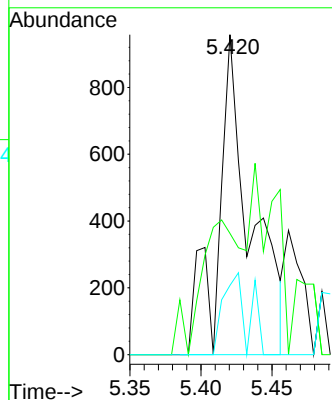
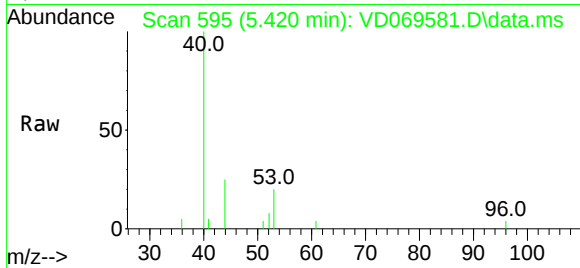




#15
Acrylonitrile
Concen: 1.127 ug/l
RT: 5.420 min Scan# 595
Delta R.T. -0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

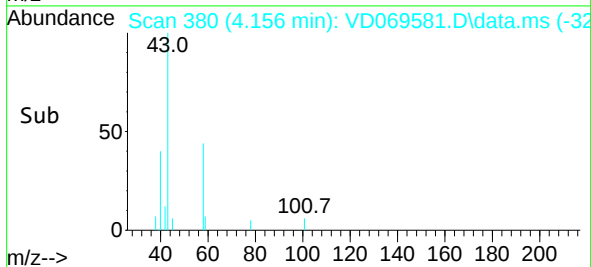
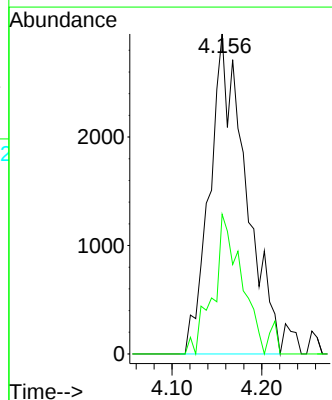
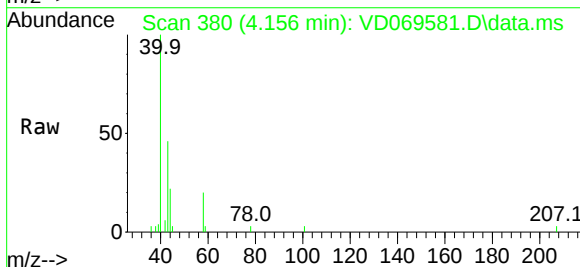
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

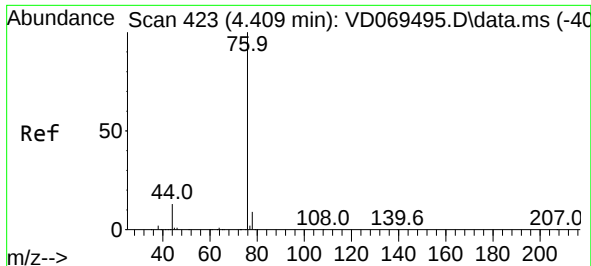
Tgt Ion: 53	Resp: 1524
Ion Ratio	Lower Upper
53 100	
52 55.6	65.8 98.6#
51 19.4	29.7 44.5#



#16
Acetone
Concen: 5.984 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 43	Resp: 8230
Ion Ratio	Lower Upper
43 100	
58 43.6	26.8 40.2#

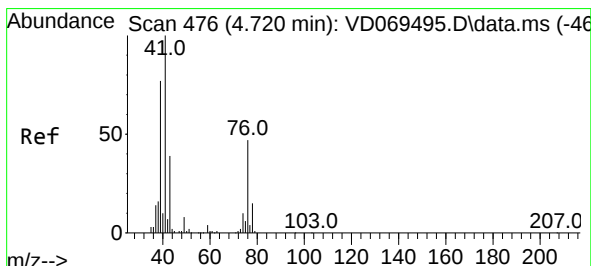
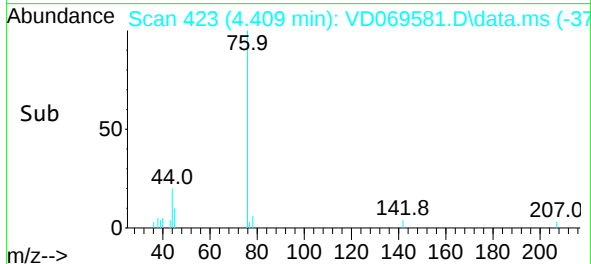
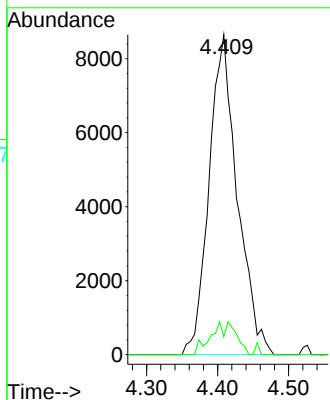
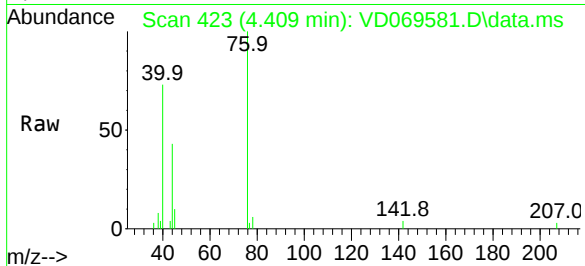




#17
Carbon Disulfide
Concen: 1.120 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

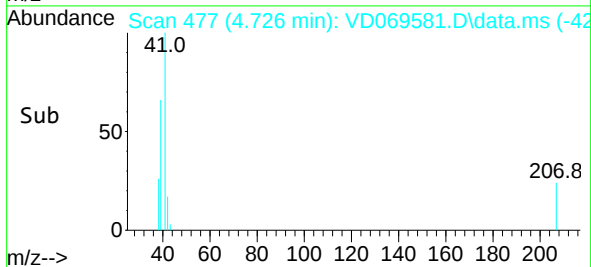
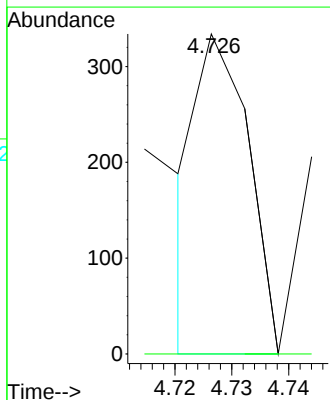
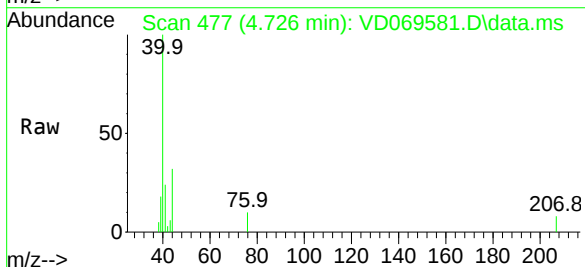
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

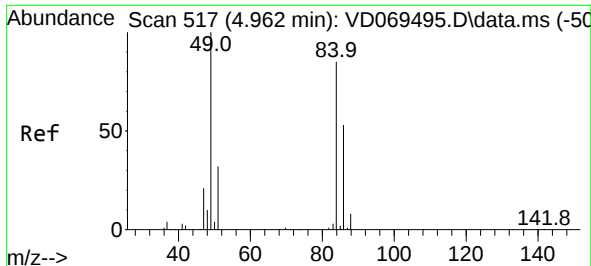
Tgt Ion: 76 Resp: 23870
Ion Ratio Lower Upper
76 100
78 5.6 7.0 10.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

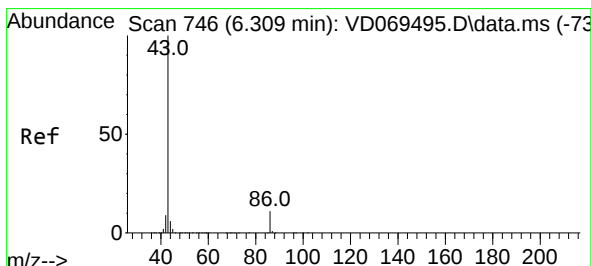
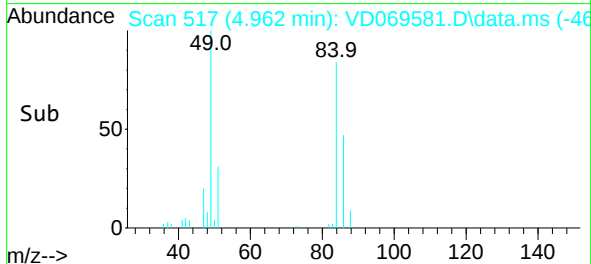
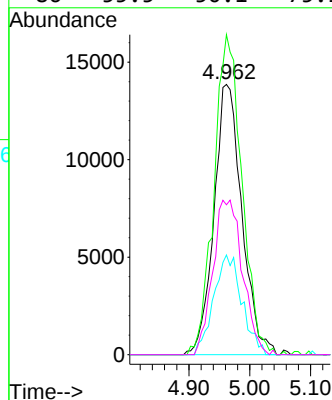
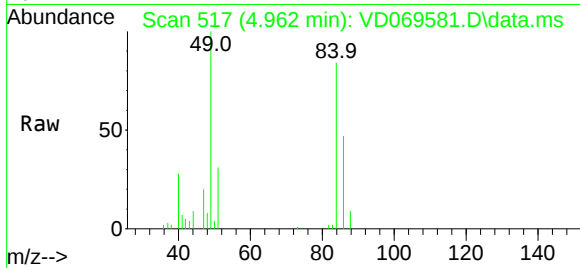




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

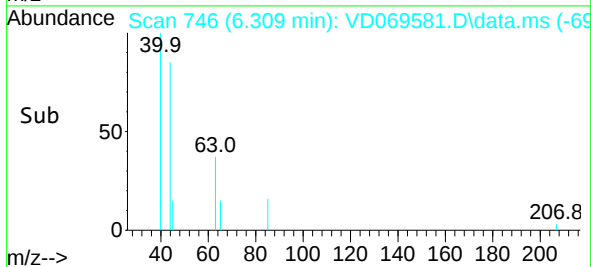
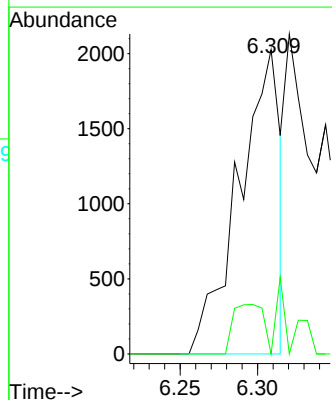
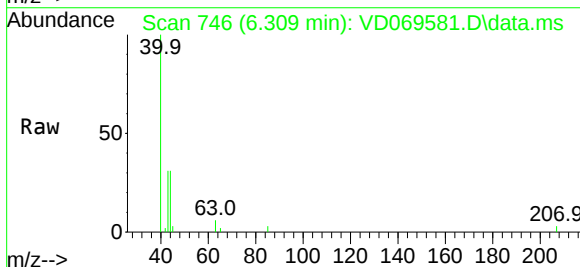
Instrument :
MSVOA_D
ClientSampleId :
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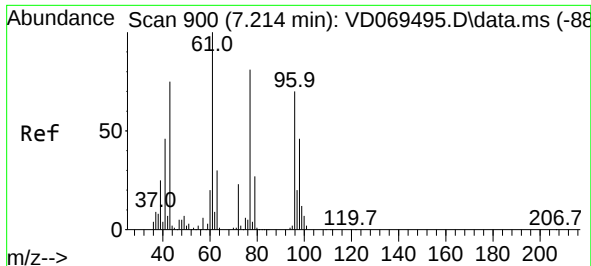
Tgt Ion:	84	Resp:	44108
Ion	Ratio	Lower	Upper
84	100		
49	118.4	94.0	141.0
51	36.9	29.7	44.5
86	55.5	50.1	75.1



#23
Vinyl Acetate
Concen: 19.306 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion:	43	Resp:	3720
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

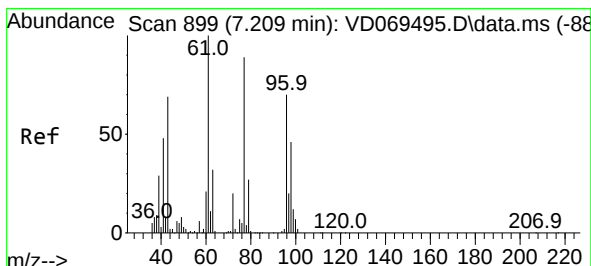
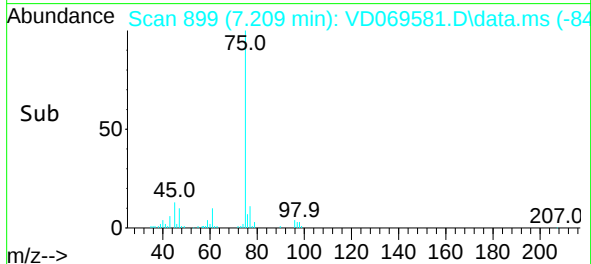
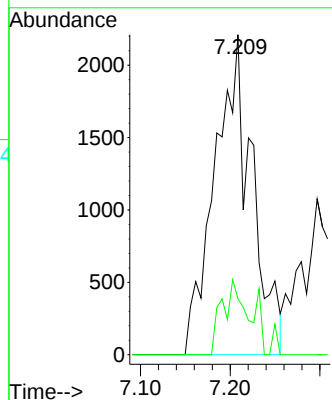
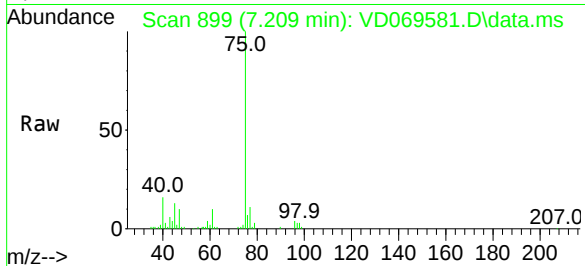




#25
2-Butanone
Concen: 3.656 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

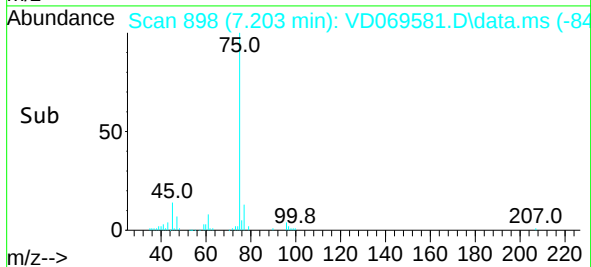
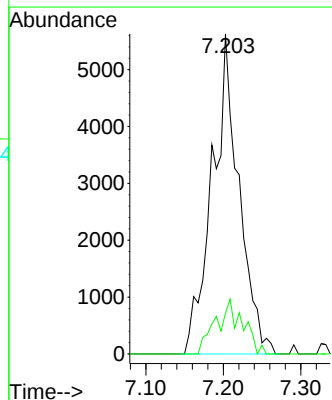
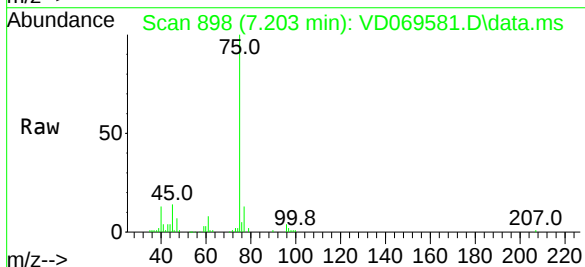
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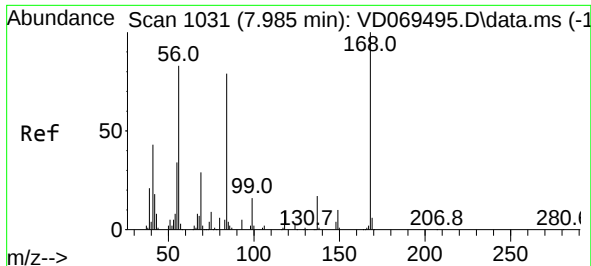
Tgt Ion: 43 Resp: 6389
Ion Ratio Lower Upper
43 100
72 17.5 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 1.141 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 77 Resp: 13514
Ion Ratio Lower Upper
77 100
97 17.1 11.5 34.5

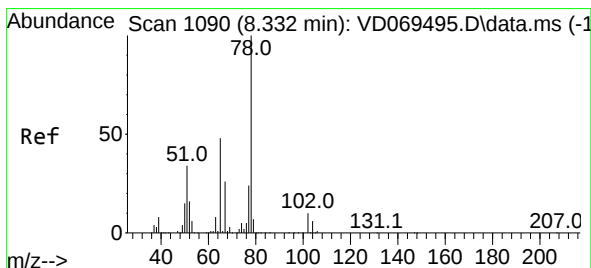
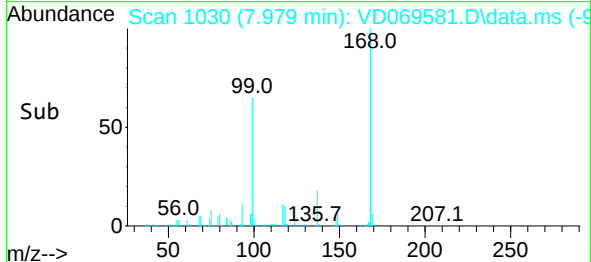
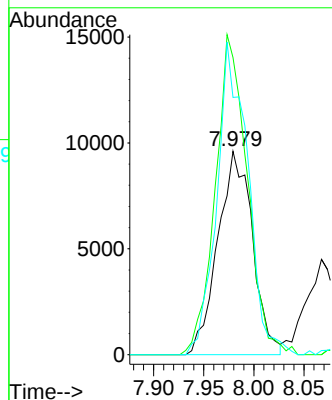
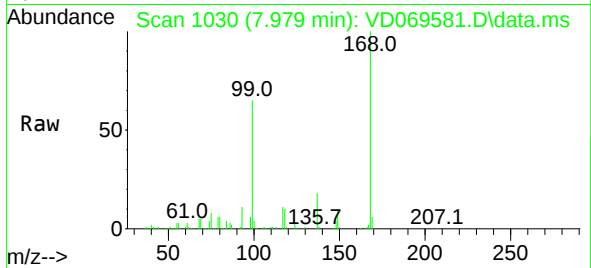




#31
Cyclohexane
Concen: 2.100 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

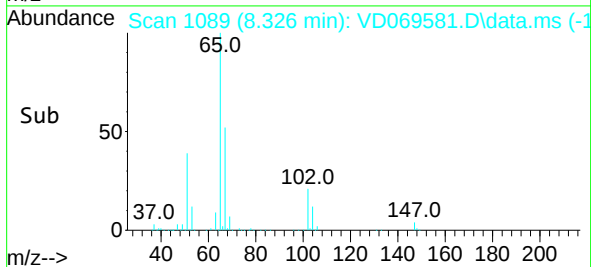
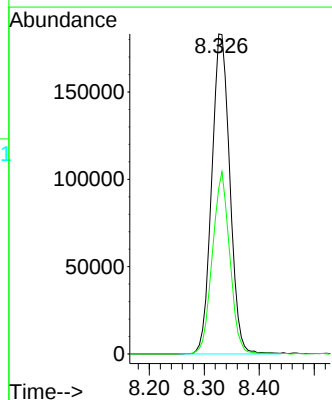
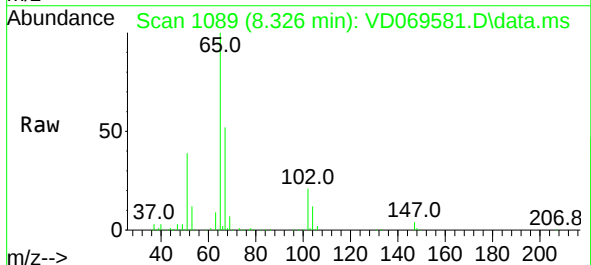
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

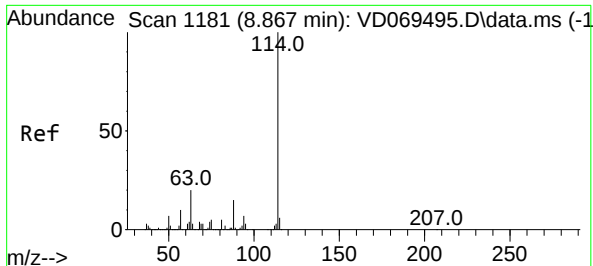
Tgt Ion: 56 Resp: 23099
Ion Ratio Lower Upper
56 100
69 146.1 28.0 42.0#
84 126.5 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 51.262 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 65 Resp: 418879
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.6



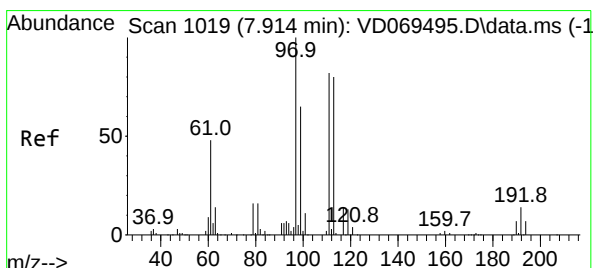
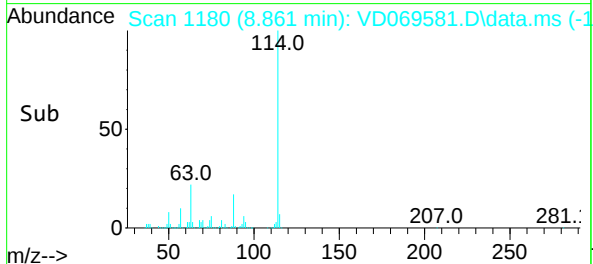
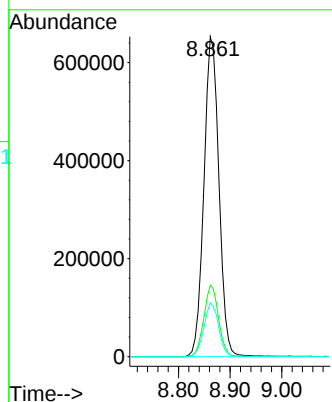
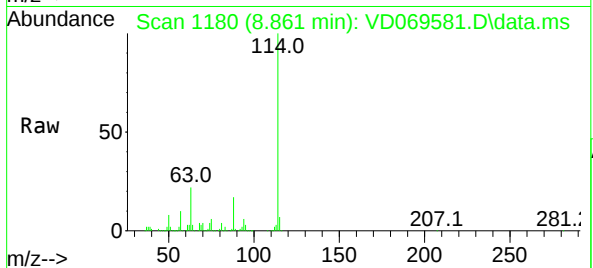


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

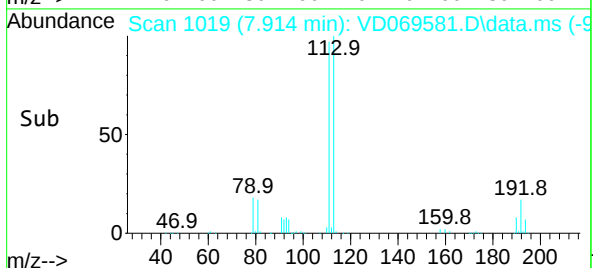
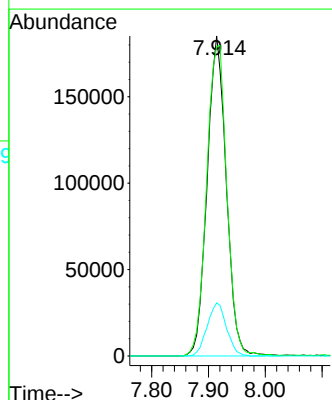
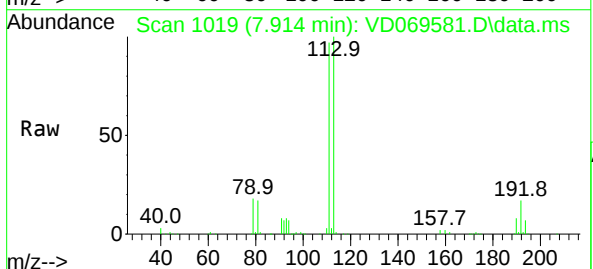
Tgt Ion:114 Resp: 1317514
Ion Ratio Lower Upper
114 100
63 22.3 0.0 39.6
88 16.8 0.0 29.8

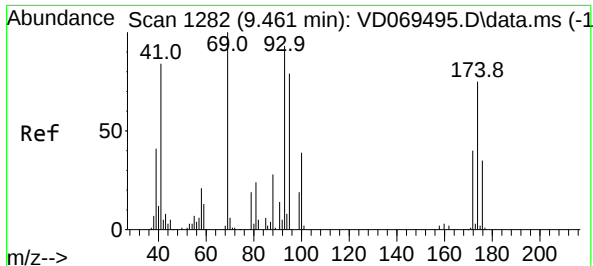


#35

Dibromofluoromethane
Concen: 48.576 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion:113 Resp: 432628
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 16.7 13.8 20.6





#49

1,4-Dioxane

Concen: 1.762 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. 0.000 min

Lab File: VD069581.D

Acq: 06 Jul 2021 14:23

Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 226.4 26.5 39.7#

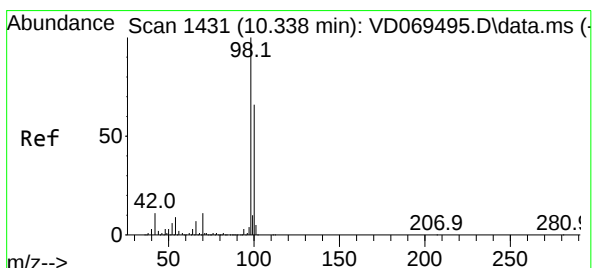
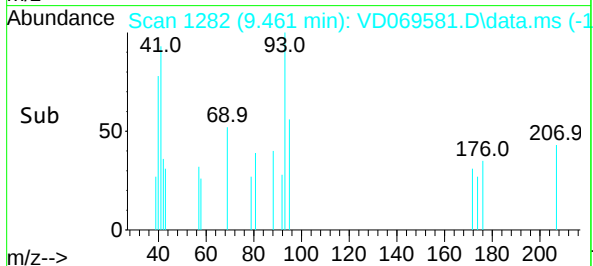
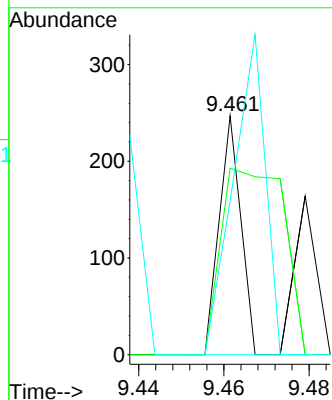
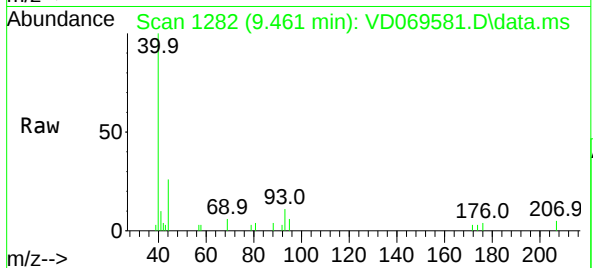
58 198.9 56.0 84.0#

Instrument :

MSVOA_D

ClientSampleId :

VD0706SBL01



#50

Toluene-d8

Concen: 51.242 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VD069581.D

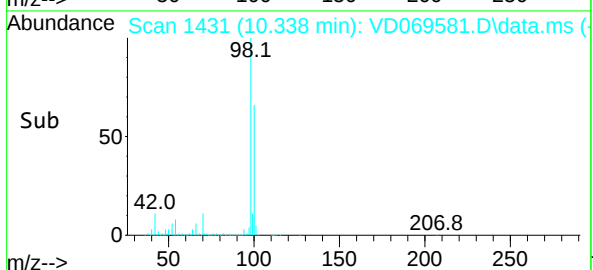
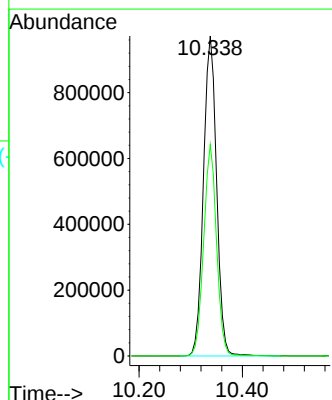
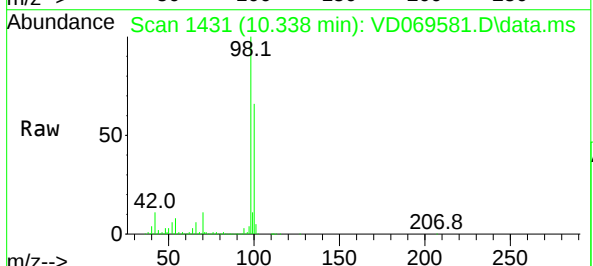
Acq: 06 Jul 2021 14:23

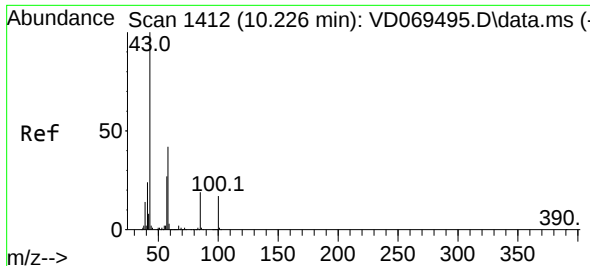
Tgt Ion: 98 Resp: 1711803

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5

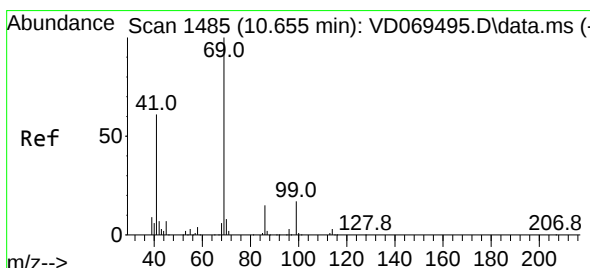
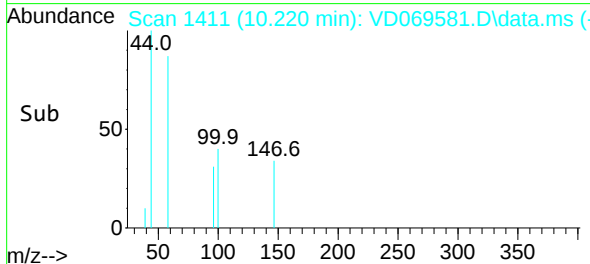
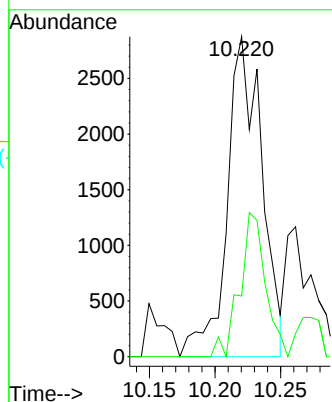
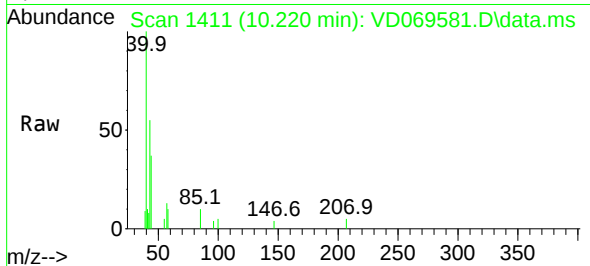




#51
4-Methyl-2-Pentanone
Concen: 1.150 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

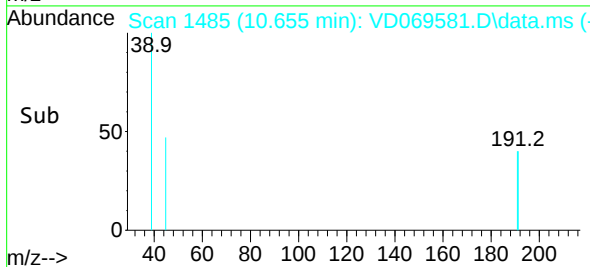
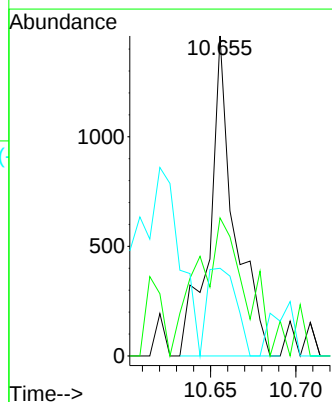
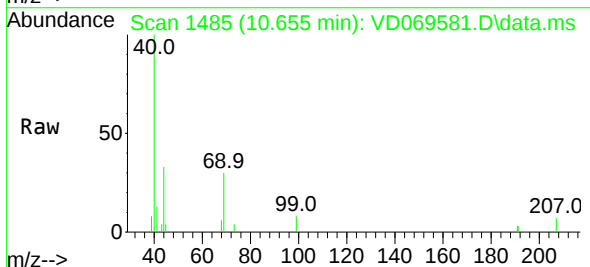
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

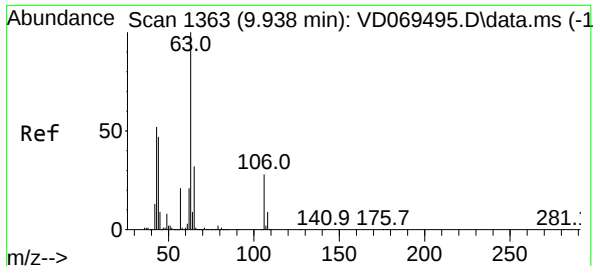
Tgt Ion: 43 Resp: 5272
Ion Ratio Lower Upper
43 100
58 33.5 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.750 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 69 Resp: 1479
Ion Ratio Lower Upper
69 100
41 85.1 49.4 74.0#
39 32.3 26.9 40.3

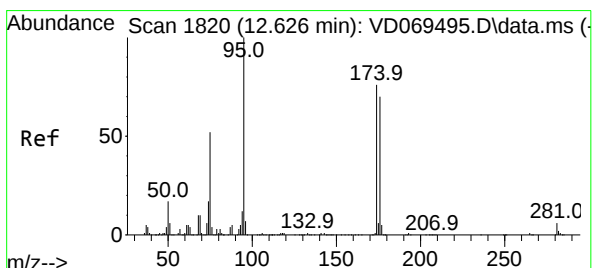
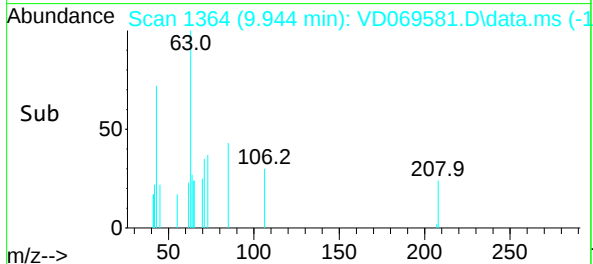
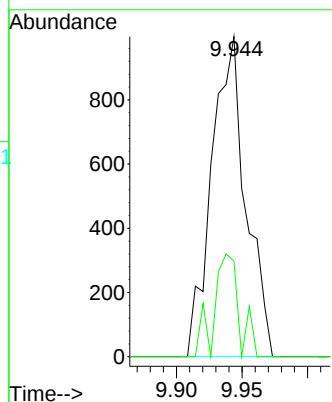
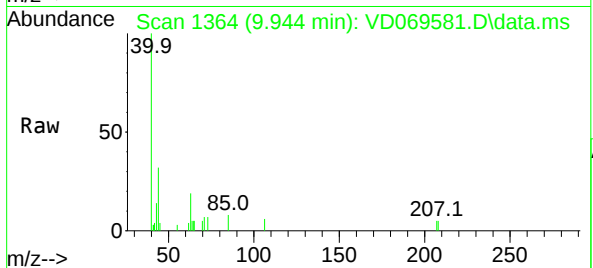




#58
2-Chloroethyl Vinyl ether
Concen: 10.998 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

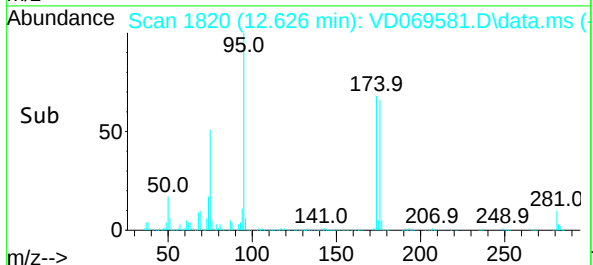
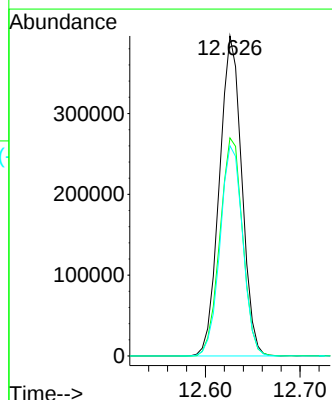
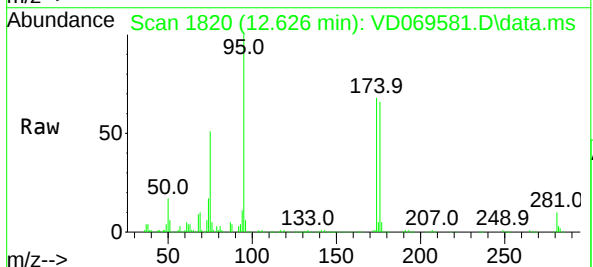
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

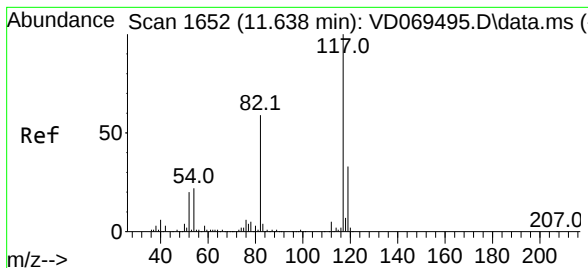
Tgt Ion: 63 Resp: 1807
Ion Ratio Lower Upper
63 100
106 23.5 22.2 33.2



#62
4-Bromofluorobenzene
Concen: 59.210 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 95 Resp: 650279
Ion Ratio Lower Upper
95 100
174 69.3 0.0 148.0
176 66.3 0.0 139.8

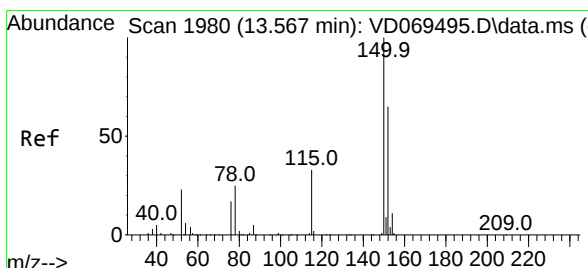
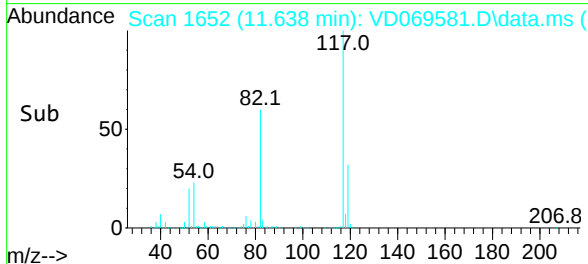
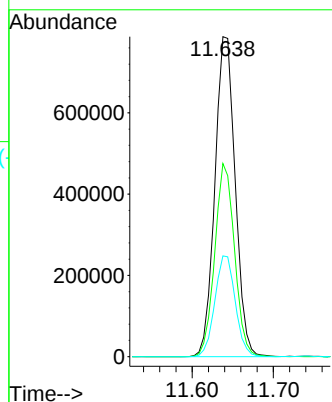
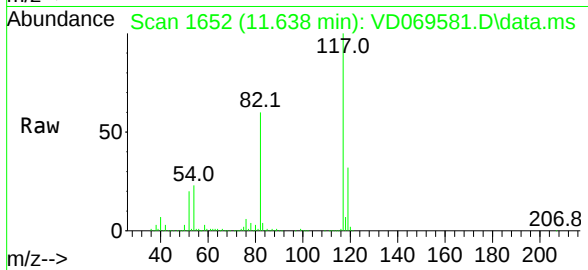




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

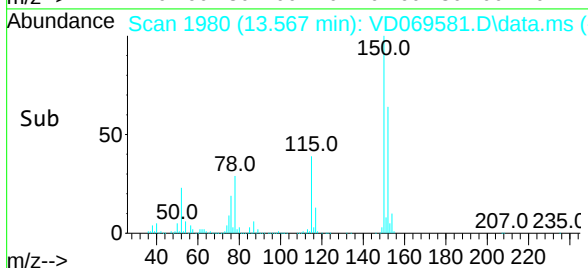
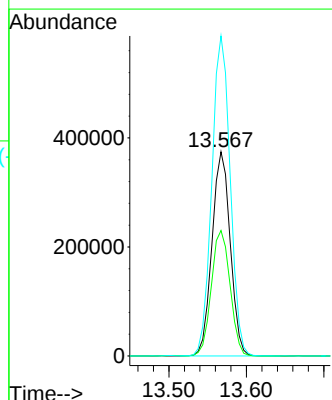
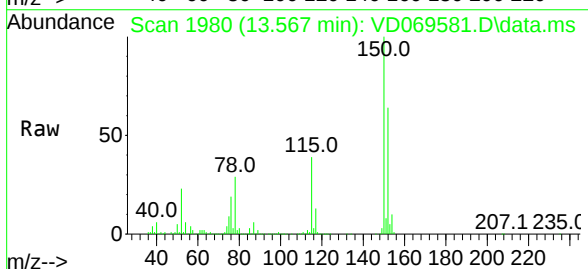
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

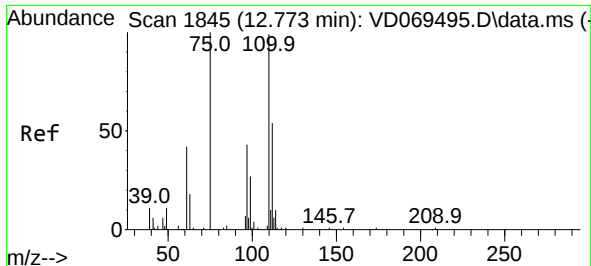
Tgt Ion:117 Resp: 1371787
Ion Ratio Lower Upper
117 100
82 60.4 46.8 70.2
119 31.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion:152 Resp: 612991
Ion Ratio Lower Upper
152 100
115 63.0 31.7 95.1
150 157.7 0.0 350.8

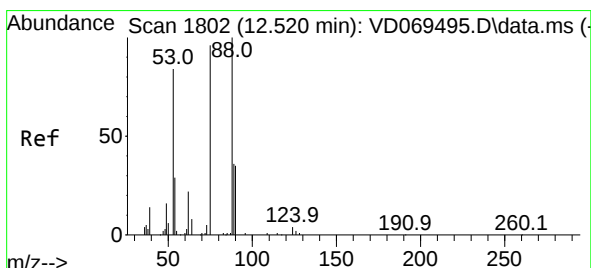
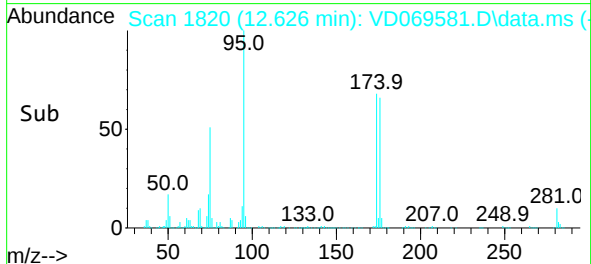
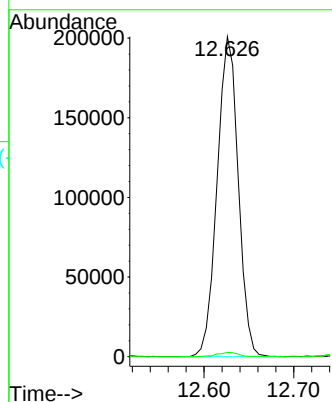
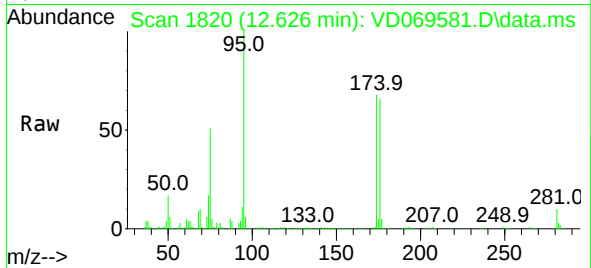




#76
1,2,3-Trichloropropane
Concen: 54.506 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

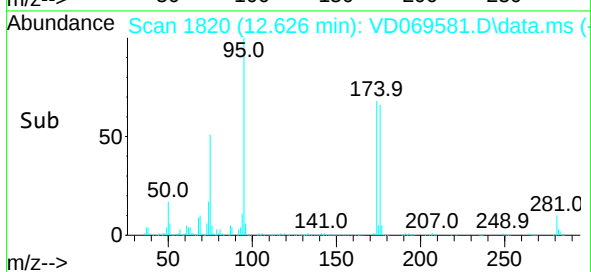
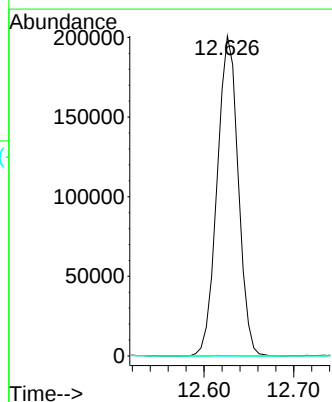
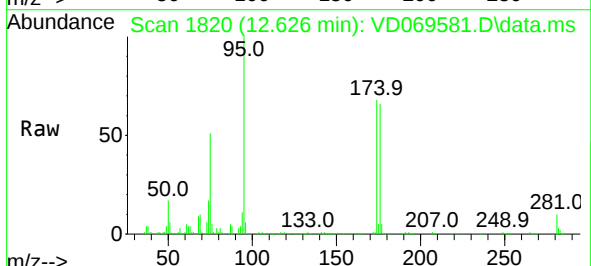
Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

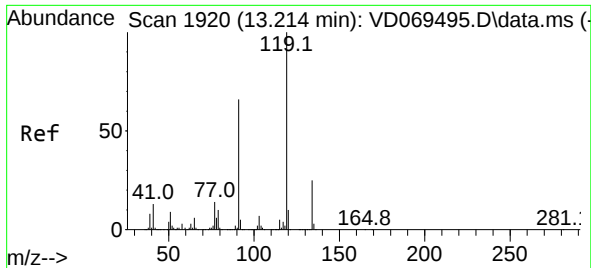
Tgt Ion: 75 Resp: 327981
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.095 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion: 75 Resp: 327981
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

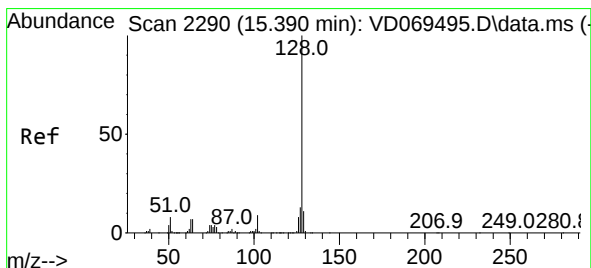
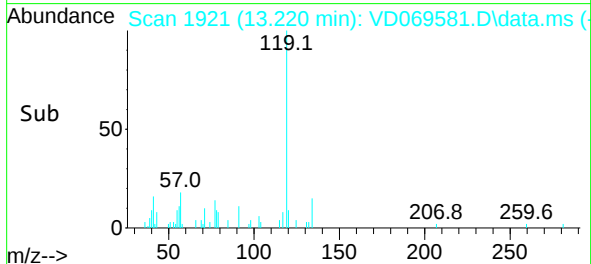
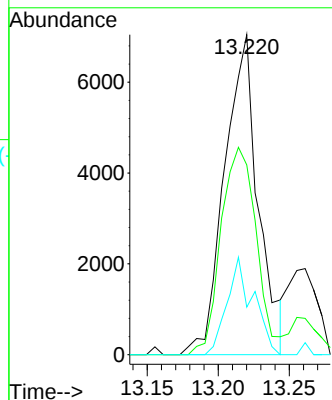
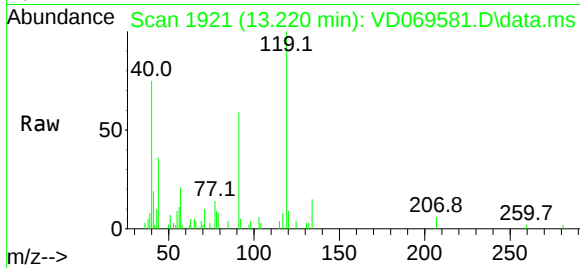




#83
tert-Butylbenzene
Concen: 2.343 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0706SBL01

Tgt Ion:	119	Resp:	11627
Ion	Ratio	Lower	Upper
119	100		
91	68.1	32.5	97.4
134	23.7	12.9	38.7



#95
Naphthalene
Concen: 3.793 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069581.D
Acq: 06 Jul 2021 14:23

Tgt Ion:	128	Resp:	8981
Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.6	16.0#
129	10.1	8.7	13.1

