

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
 Data File : VD070571.D
 Acq On : 05 Oct 2021 14:47
 Operator : VA/SY
 Sample : VD1005SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBL01

Quant Time: Oct 06 09:17:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	427802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	862044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	779455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	325294	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	261486	51.937	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.880%	
35) Dibromofluoromethane	7.914	113	283780	49.513	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.020%	
50) Toluene-d8	10.338	98	1098594	50.141	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	12.626	95	344177	47.000	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.000%	

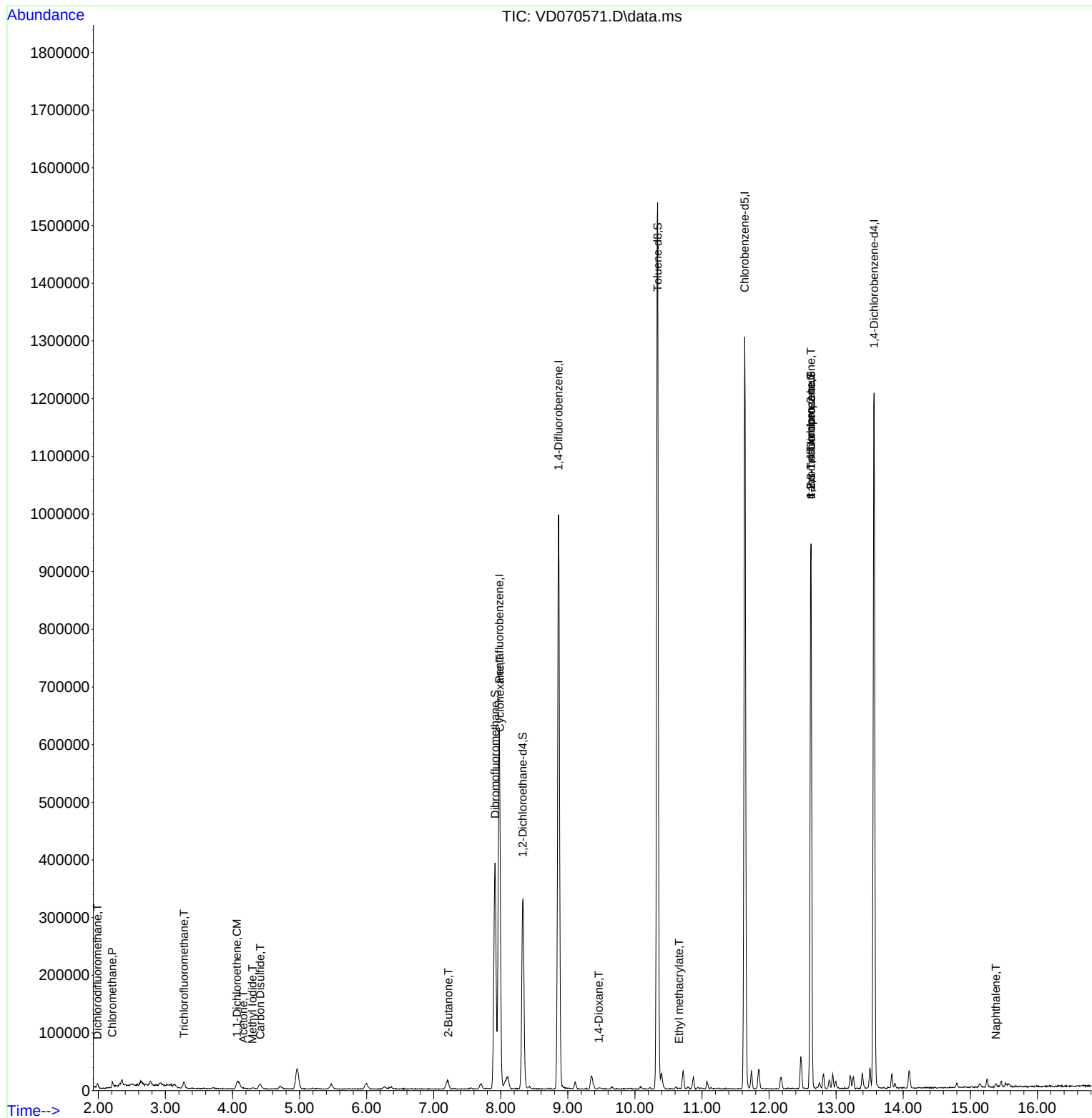
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.985	85	6762	1.296	ug/l	84
3) Chloromethane	2.209	50	6852	1.058	ug/l	96
5) Bromomethane	2.779	94	5467	Below Cal		87
7) Trichlorofluoromethane	3.279	101	10763	1.157	ug/l #	80
10) Methyl Iodide	4.297	142	2959	1.238	ug/l #	56
12) 1,1-Dichloroethene	4.067	96	5114	1.019	ug/l	92
16) Acetone	4.161	43	2442	2.856	ug/l	92
17) Carbon Disulfide	4.414	76	19801	1.080	ug/l	96
20) Methylene Chloride	4.967	84	29683	Below Cal		96
25) 2-Butanone	7.220	43	1333	1.191	ug/l #	43
31) Cyclohexane	7.985	56	18134	1.945	ug/l #	46
49) 1,4-Dioxane	9.461	88	89	2.478	ug/l #	23
56) Ethyl methacrylate	10.661	69	787	1.507	ug/l #	83
59) 2-Hexanone	10.985	43	1172	Below Cal		84
76) 1,2,3-Trichloropropane	12.626	75	164130	55.746	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	164130	123.765	ug/l #	17
95) Naphthalene	15.384	128	5215	2.970	ug/l #	92

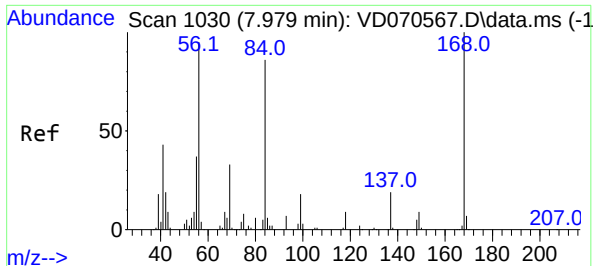
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : VA/SY
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Quant Time: Oct 06 09:17:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
Response via : Initial Calibration

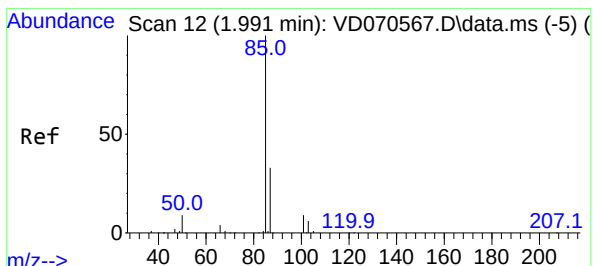
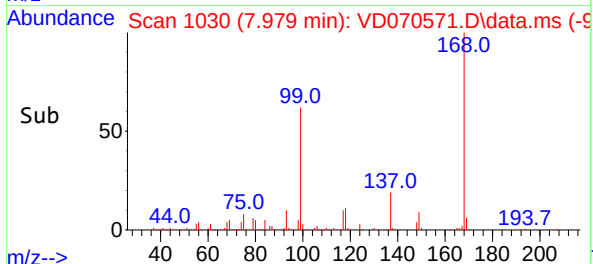
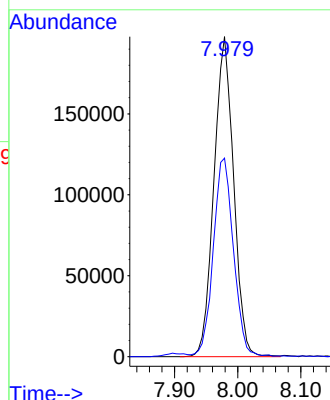
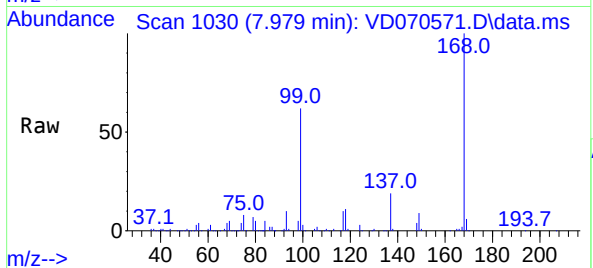




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

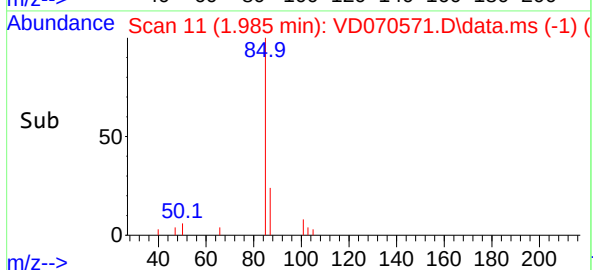
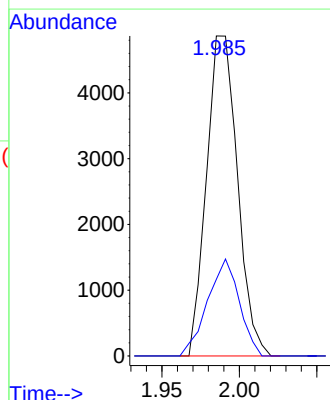
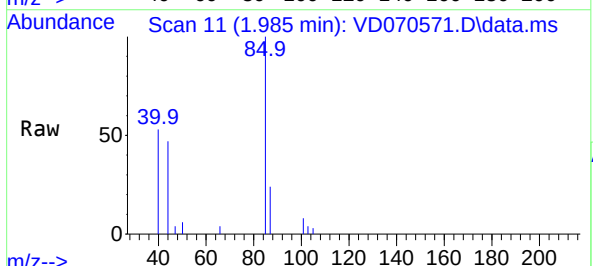
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

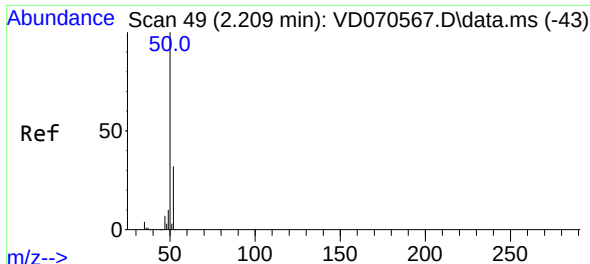
Tgt Ion:168 Resp: 427802
Ion Ratio Lower Upper
168 100
99 61.9 51.4 77.0



#2
Dichlorodifluoromethane
Concen: 1.296 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion: 85 Resp: 6762
Ion Ratio Lower Upper
85 100
87 23.9 16.4 49.2

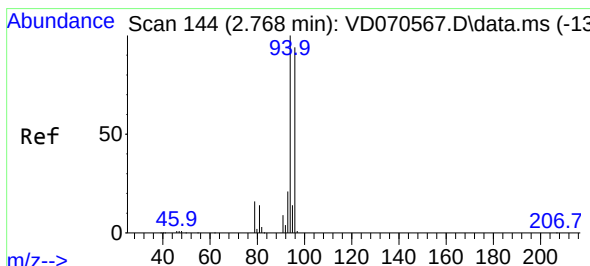
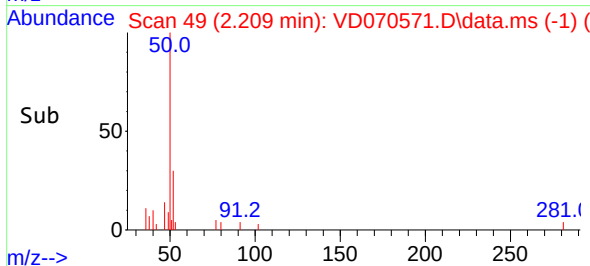
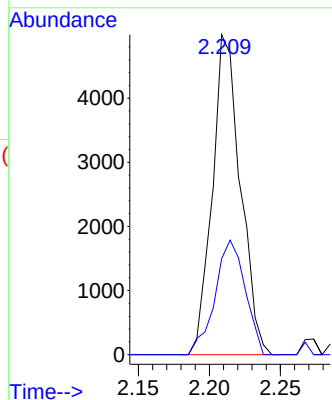
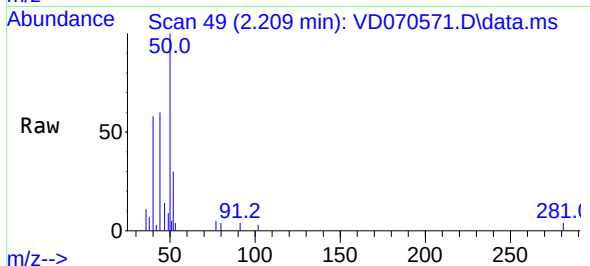




#3
Chloromethane
Concen: 1.058 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

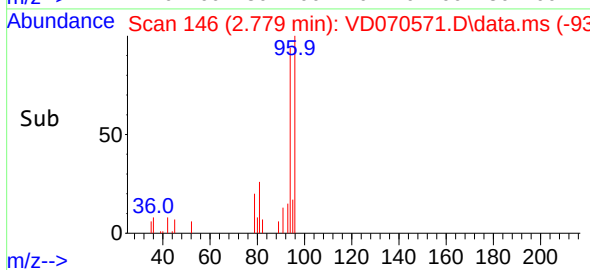
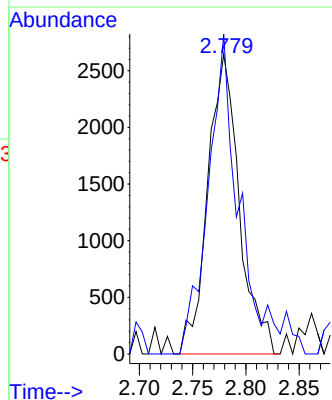
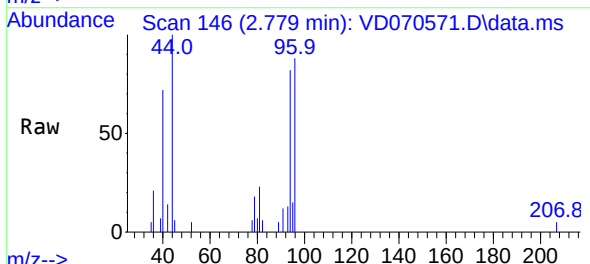
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

Tgt Ion: 50 Resp: 6852
Ion Ratio Lower Upper
50 100
52 30.0 26.0 39.0

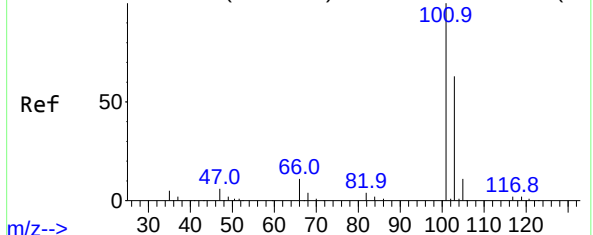


#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion: 94 Resp: 5467
Ion Ratio Lower Upper
94 100
96 106.8 75.5 113.3



Abundance Scan 230 (3.273 min): VD070567.D\data.ms (-21



#7

Trichlorofluoromethane

Concen: 1.157 ug/l

RT: 3.279 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD070571.D

Acq: 05 Oct 2021 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBL01

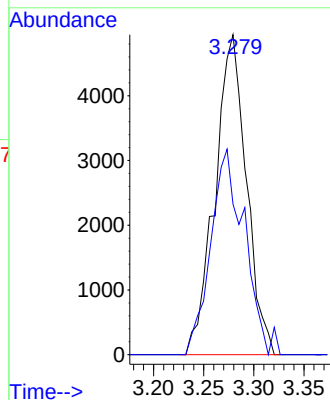
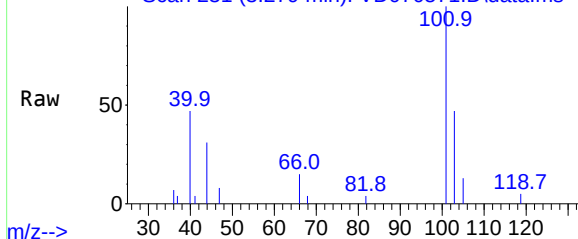
Tgt Ion:101 Resp: 10763

Ion Ratio Lower Upper

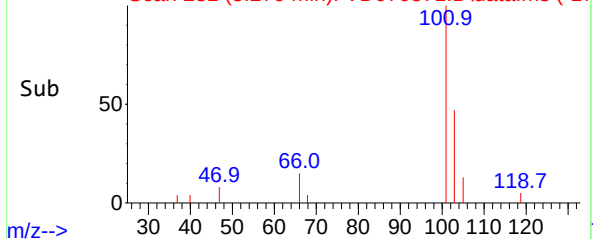
101 100

103 47.0 50.1 75.1#

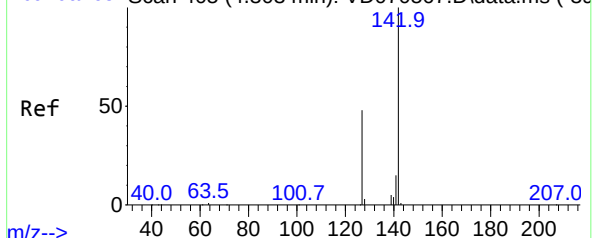
Abundance Scan 231 (3.279 min): VD070571.D\data.ms



Abundance Scan 231 (3.279 min): VD070571.D\data.ms (-17



Abundance Scan 405 (4.303 min): VD070567.D\data.ms (-39



#10

Methyl Iodide

Concen: 1.238 ug/l

RT: 4.297 min Scan# 404

Delta R.T. -0.006 min

Lab File: VD070571.D

Acq: 05 Oct 2021 14:47

Tgt Ion:142 Resp: 2959

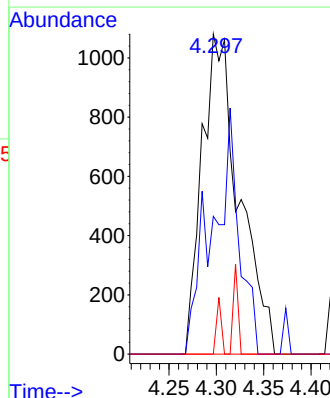
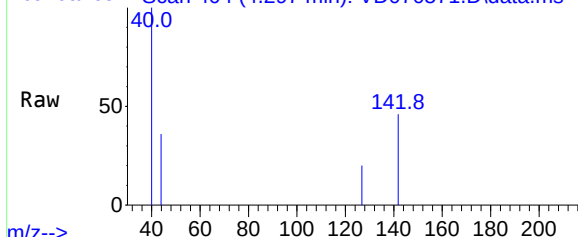
Ion Ratio Lower Upper

142 100

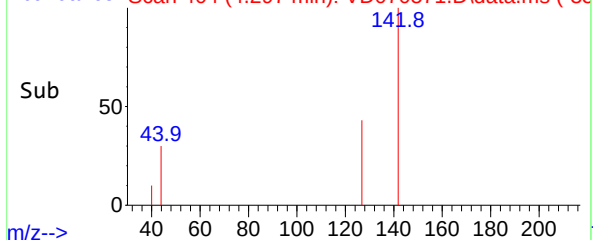
127 14.6 37.5 56.3#

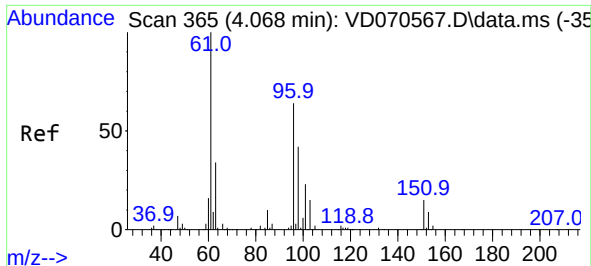
141 2.3 12.1 18.1#

Abundance Scan 404 (4.297 min): VD070571.D\data.ms



Abundance Scan 404 (4.297 min): VD070571.D\data.ms (-35

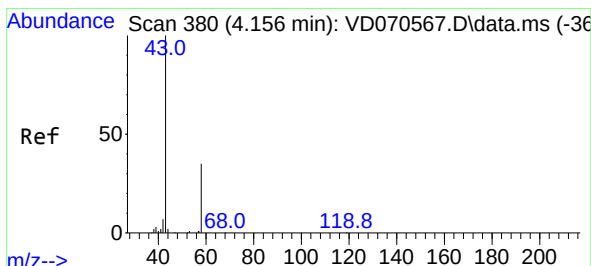
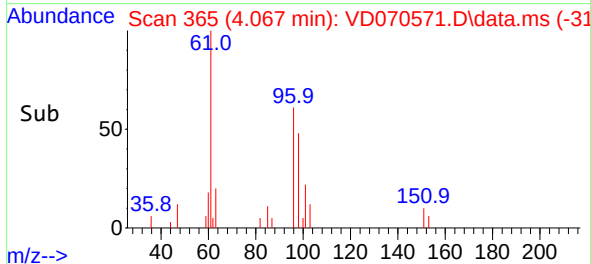
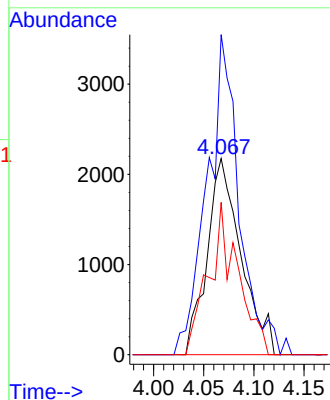
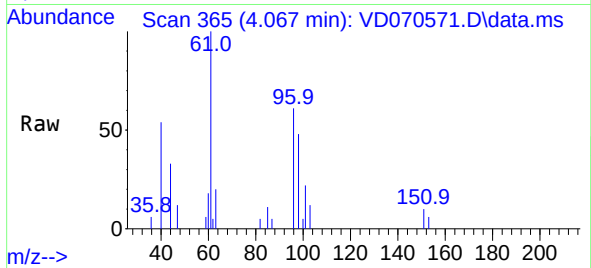




#12
1,1-Dichloroethene
Concen: 1.019 ug/l
RT: 4.067 min Scan# 301
Delta R.T. -0.000 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

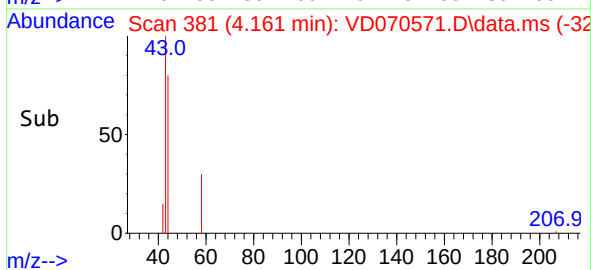
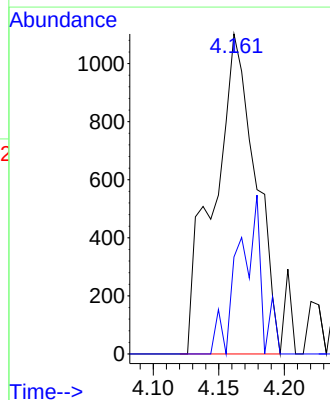
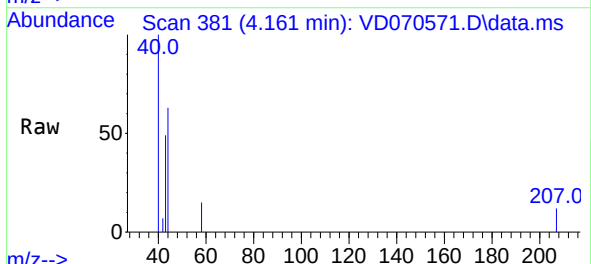
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

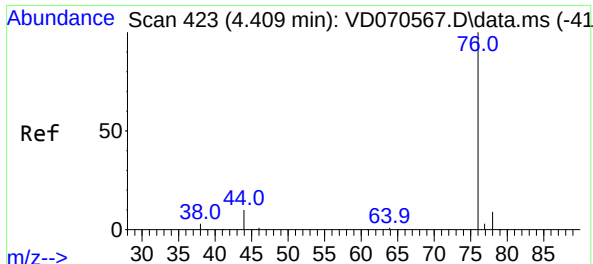
Tgt Ion: 96 Resp: 5114
Ion Ratio Lower Upper
96 100
61 163.1 125.9 188.9
98 77.6 52.3 78.5



#16
Acetone
Concen: 2.856 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion: 43 Resp: 2442
Ion Ratio Lower Upper
43 100
58 30.3 28.2 42.2

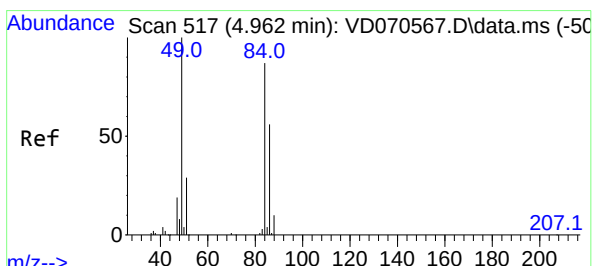
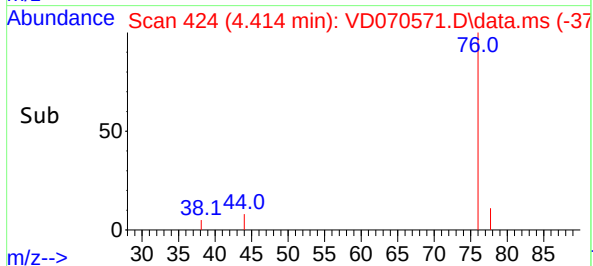
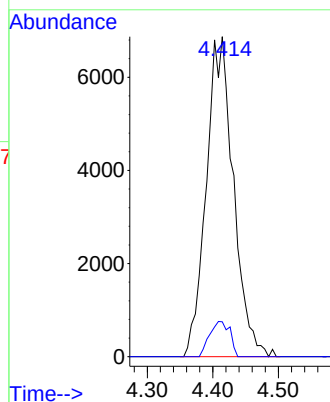
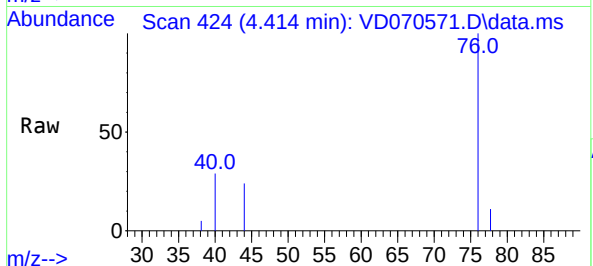




#17
Carbon Disulfide
Concen: 1.080 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

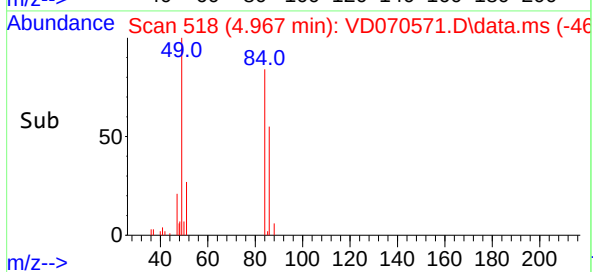
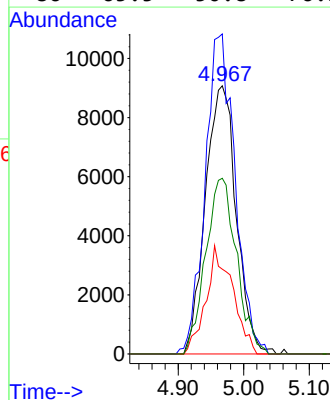
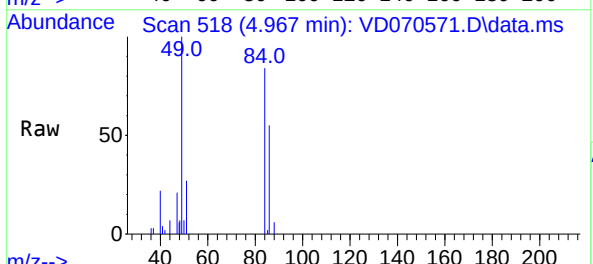
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

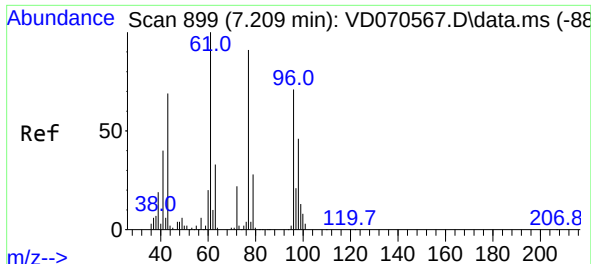
Tgt Ion: 76 Resp: 19801
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion: 84 Resp: 29683
Ion Ratio Lower Upper
84 100
49 119.3 91.4 137.2
51 31.6 26.7 40.1
86 65.5 50.8 76.2





#25

2-Butanone

Concen: 1.191 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.012 min

Lab File: VD070571.D

Acq: 05 Oct 2021 14:47

Instrument :

MSVOA_D

ClientSampleId :

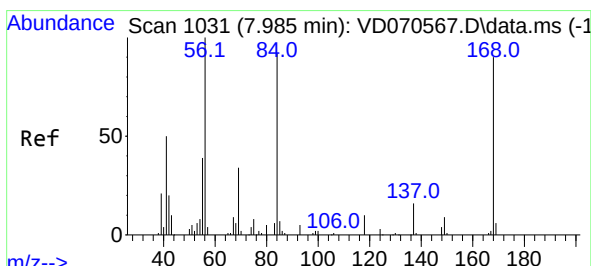
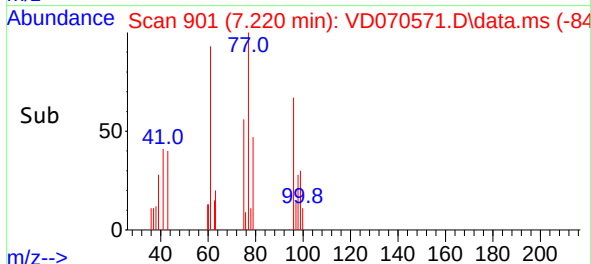
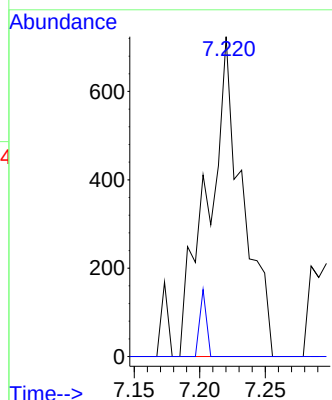
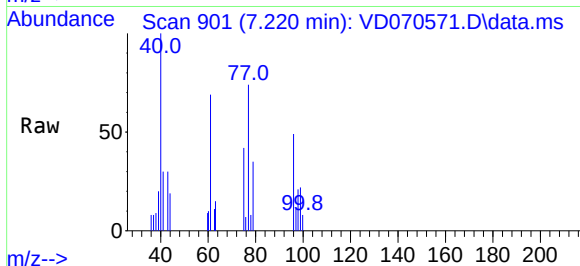
VD1005SBL01

Tgt Ion: 43 Resp: 1333

Ion Ratio Lower Upper

43 100

72 0.0 25.2 37.8#



#31

Cyclohexane

Concen: 1.945 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD070571.D

Acq: 05 Oct 2021 14:47

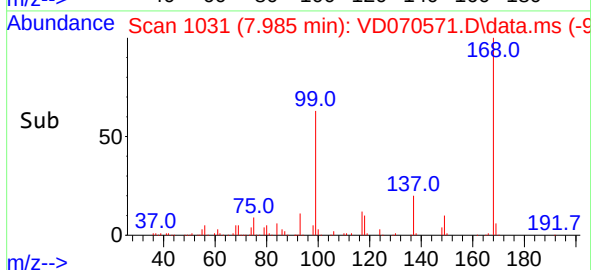
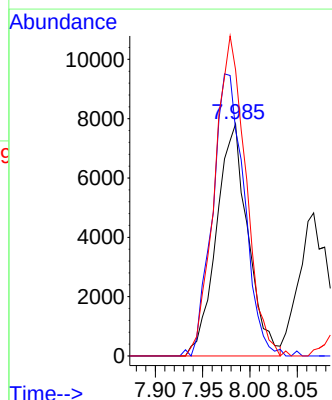
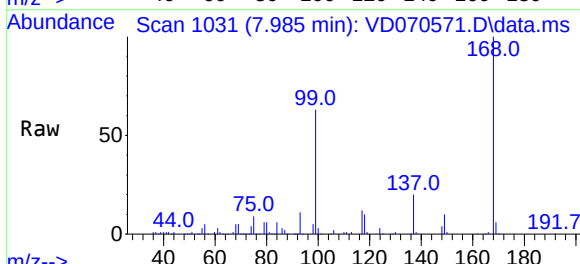
Tgt Ion: 56 Resp: 18134

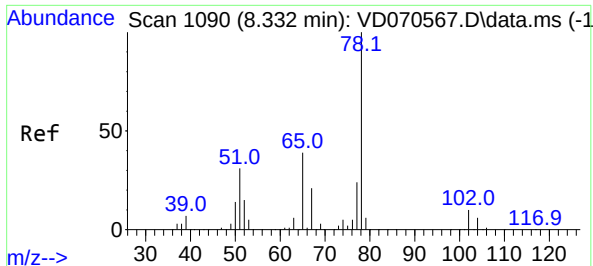
Ion Ratio Lower Upper

56 100

69 97.5 27.4 41.2#

84 123.4 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 51.937 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD070571.D

Acq: 05 Oct 2021 14:47

Instrument :

MSVOA_D

ClientSampleId :

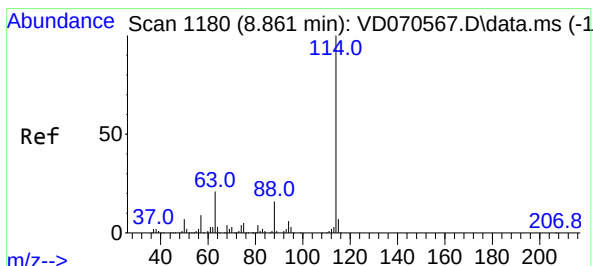
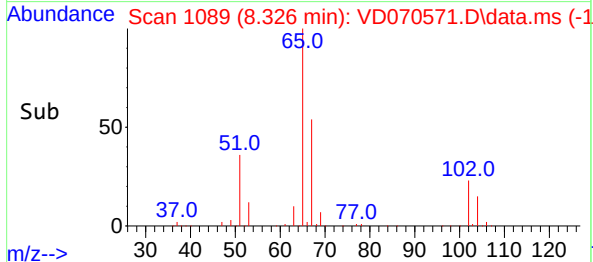
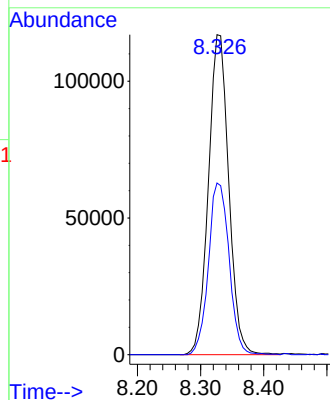
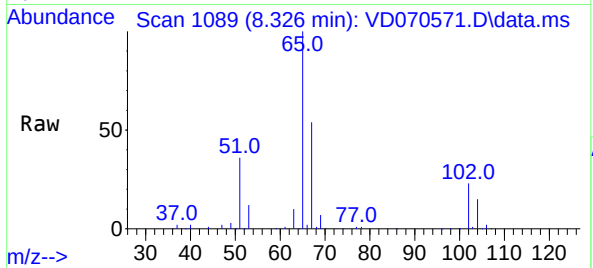
VD1005SBL01

Tgt Ion: 65 Resp: 261486

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070571.D

Acq: 05 Oct 2021 14:47

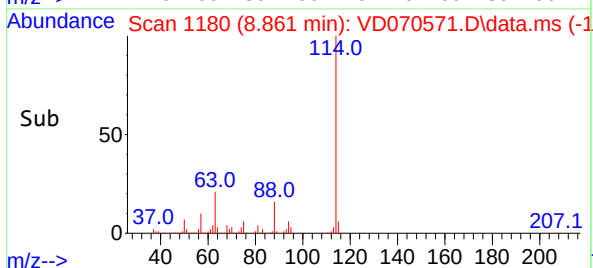
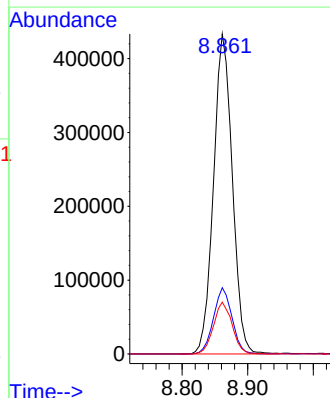
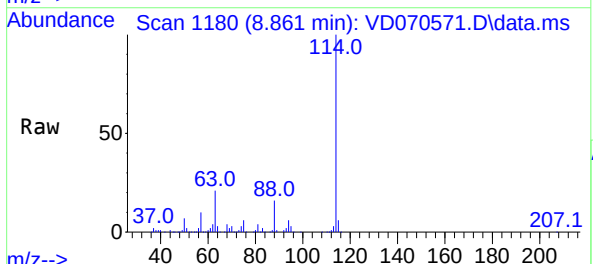
Tgt Ion: 114 Resp: 862044

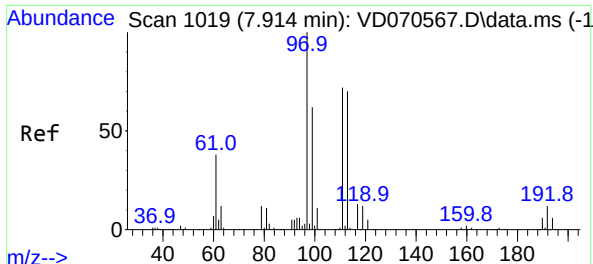
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

88 16.2 0.0 32.6

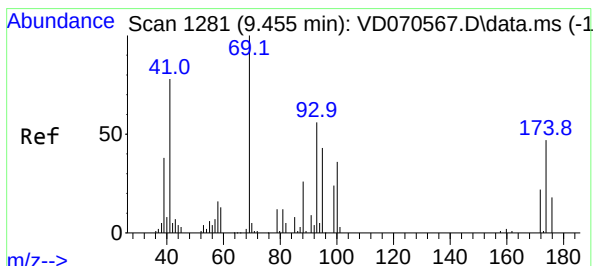
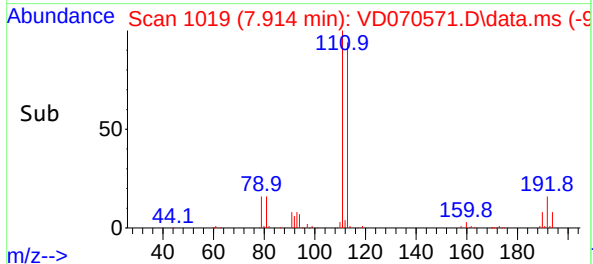
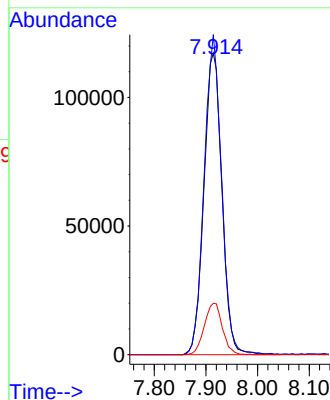
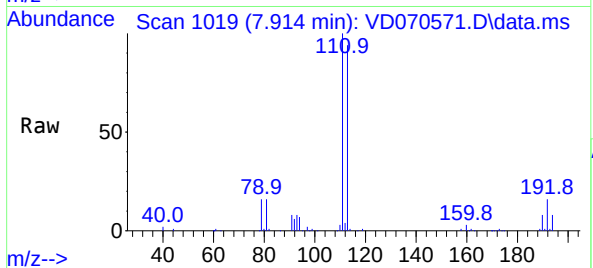




#35
Dibromofluoromethane
Concen: 49.513 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

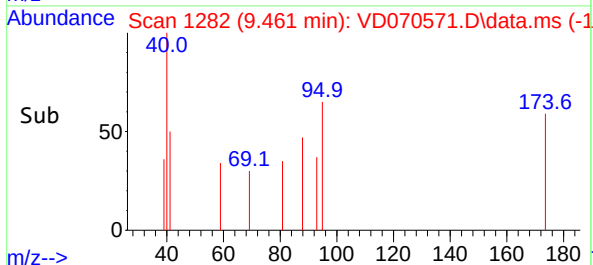
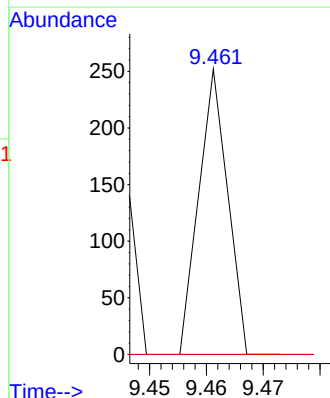
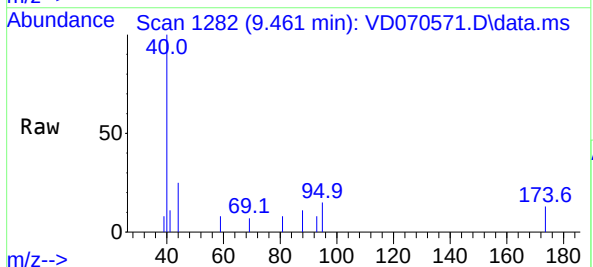
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

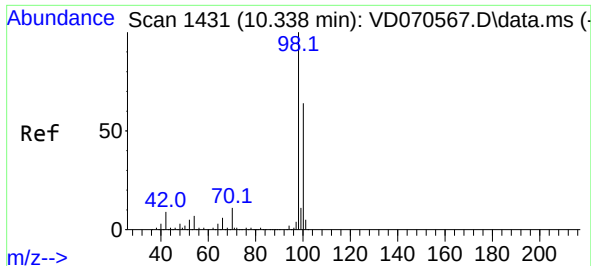
Tgt Ion:113 Resp: 283780
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 17.1 12.7 19.1



#49
1,4-Dioxane
Concen: 2.478 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 57.4 86.0#

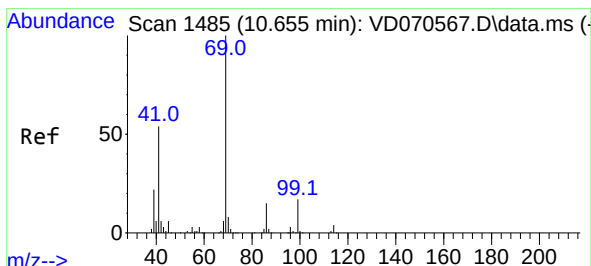
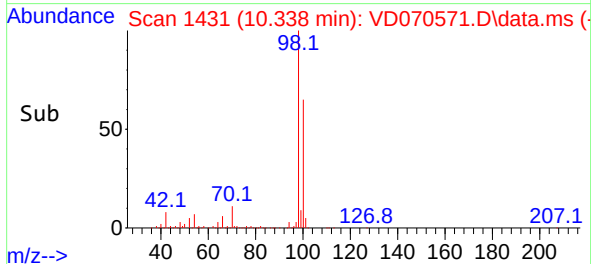
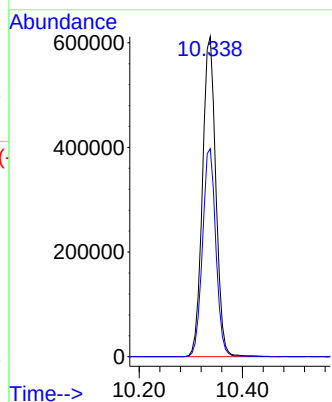
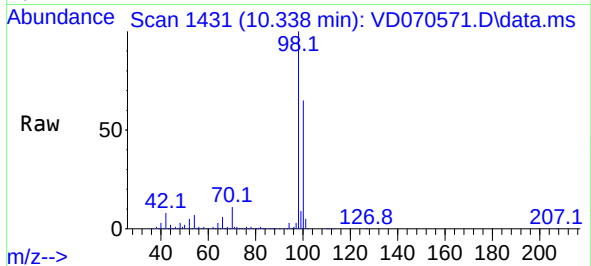




#50
Toluene-d8
Concen: 50.141 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

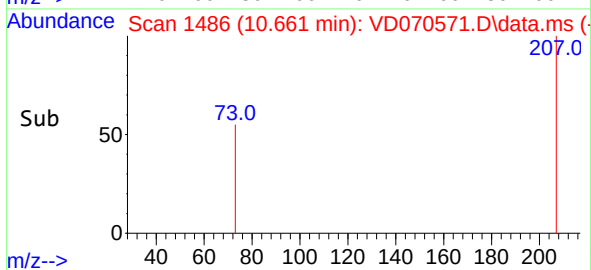
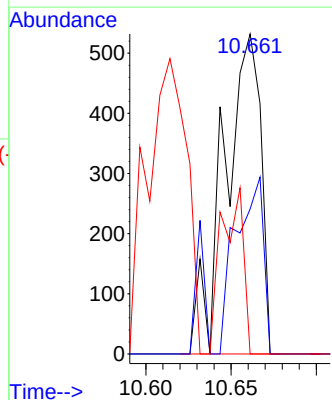
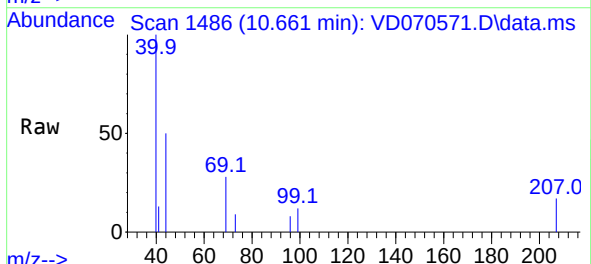
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

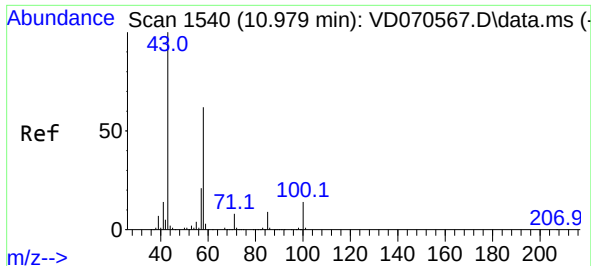
Tgt Ion: 98 Resp: 1098594
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.507 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion: 69 Resp: 787
Ion Ratio Lower Upper
69 100
41 42.4 44.7 67.1#
39 31.3 19.5 29.3#

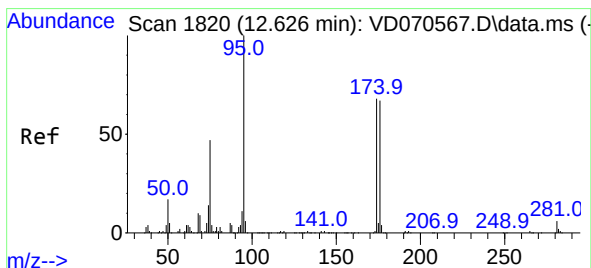
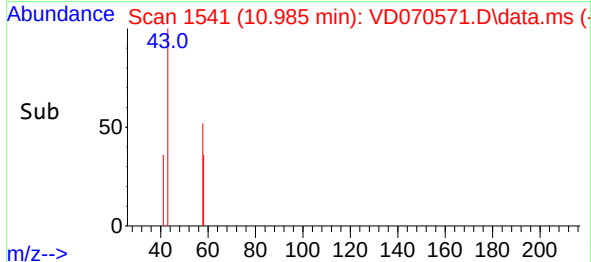
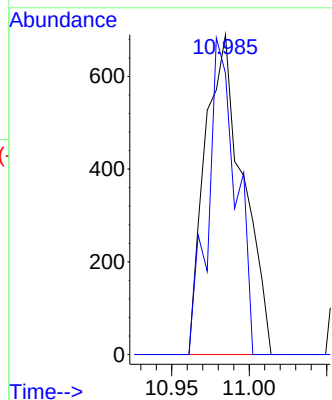
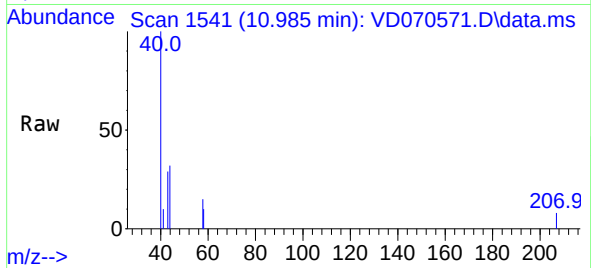




#59
2-Hexanone
Concen: Below Cal
RT: 10.985 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

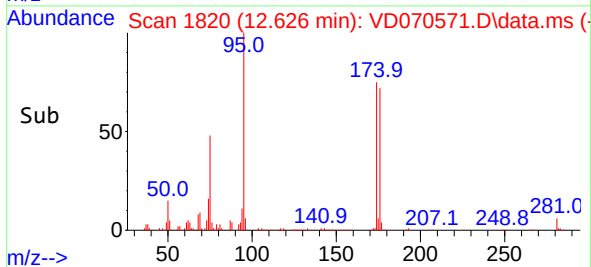
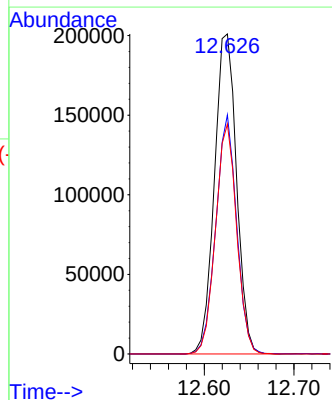
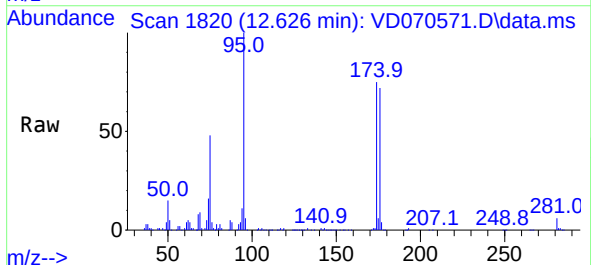
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

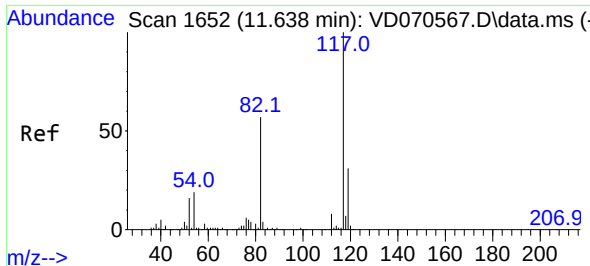
Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
58 73.3 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 47.000 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

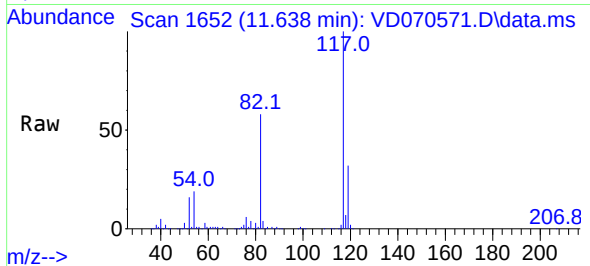
Tgt Ion: 95 Resp: 344177
Ion Ratio Lower Upper
95 100
174 70.2 0.0 138.0
176 68.6 0.0 135.6



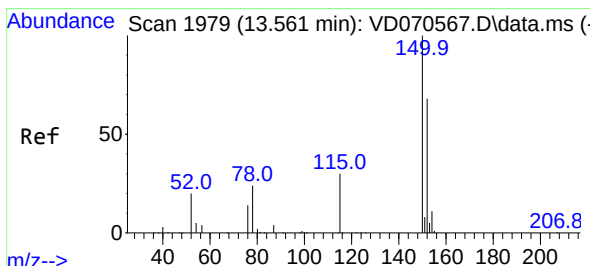
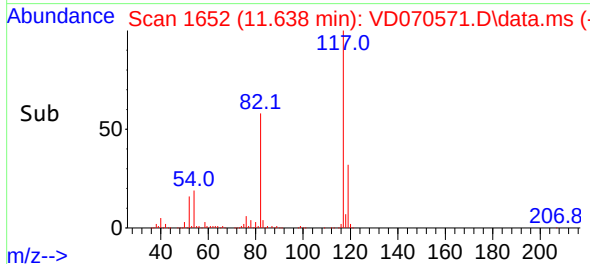
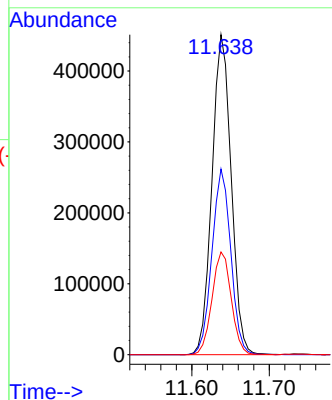


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

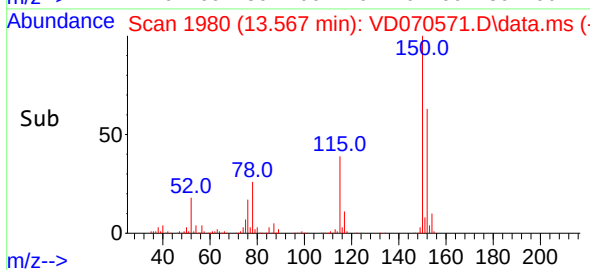
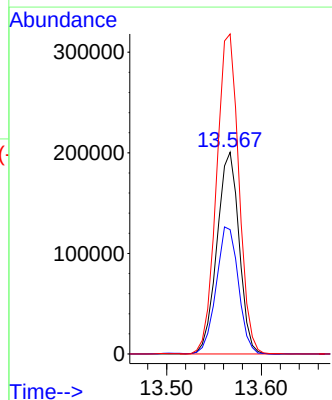
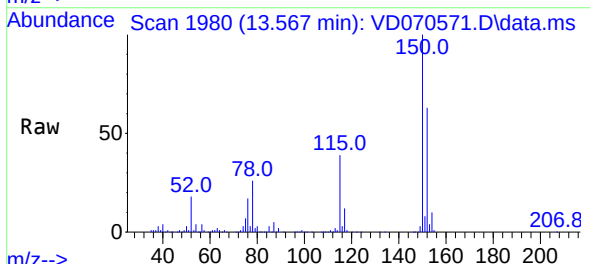


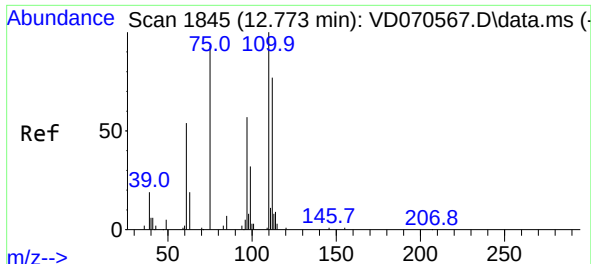
Tgt Ion:117 Resp: 779455
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 32.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion:152 Resp: 325294
Ion Ratio Lower Upper
152 100
115 63.4 31.9 95.7
150 160.2 0.0 350.0

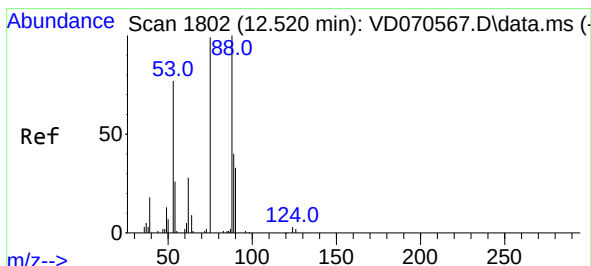
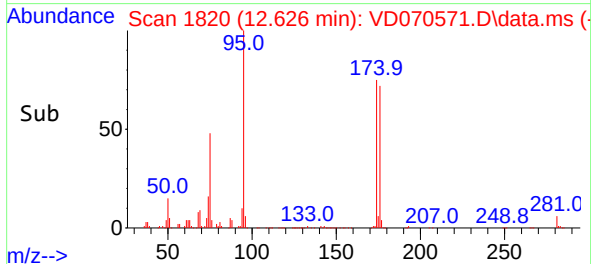
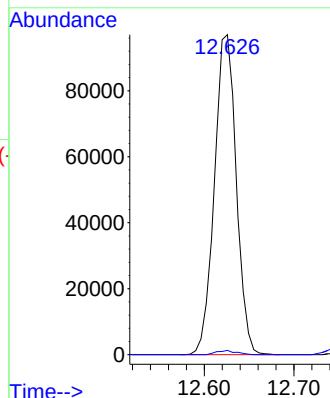
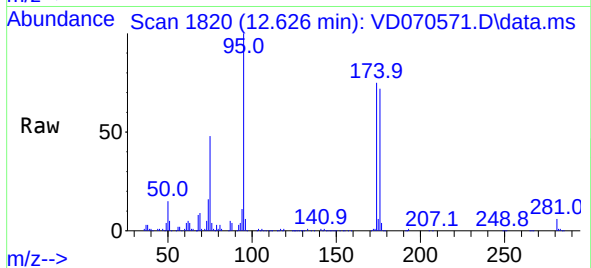




#76
1,2,3-Trichloropropane
Concen: 55.746 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

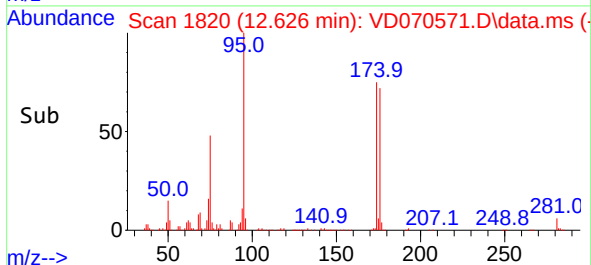
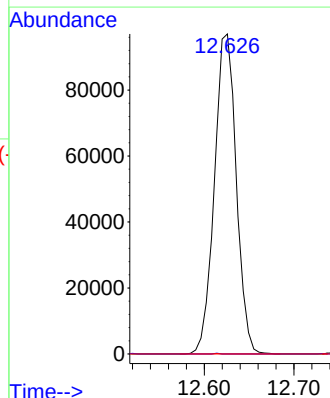
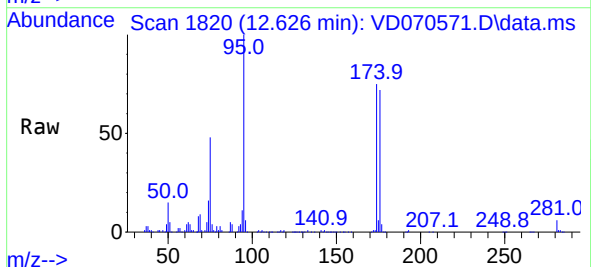
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

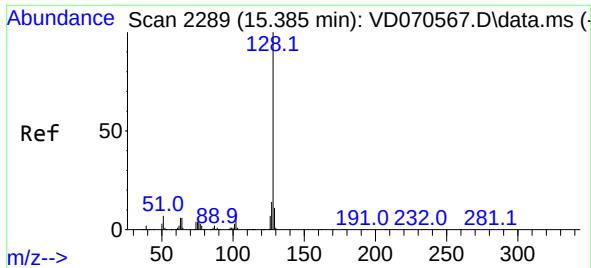
Tgt Ion: 75 Resp: 164130
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.765 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Tgt Ion: 75 Resp: 164130
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.970 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD070571.D
Acq: 05 Oct 2021 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

Tgt Ion:128 Resp: 5215
Ion Ratio Lower Upper
128 100
127 8.8 10.9 16.3#
129 11.5 8.6 12.8

