

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
 Data File : VD070581.D
 Acq On : 05 Oct 2021 19:34
 Operator : VA/SY
 Sample : M4041-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N-1RE

Quant Time: Oct 06 09:24:36 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)

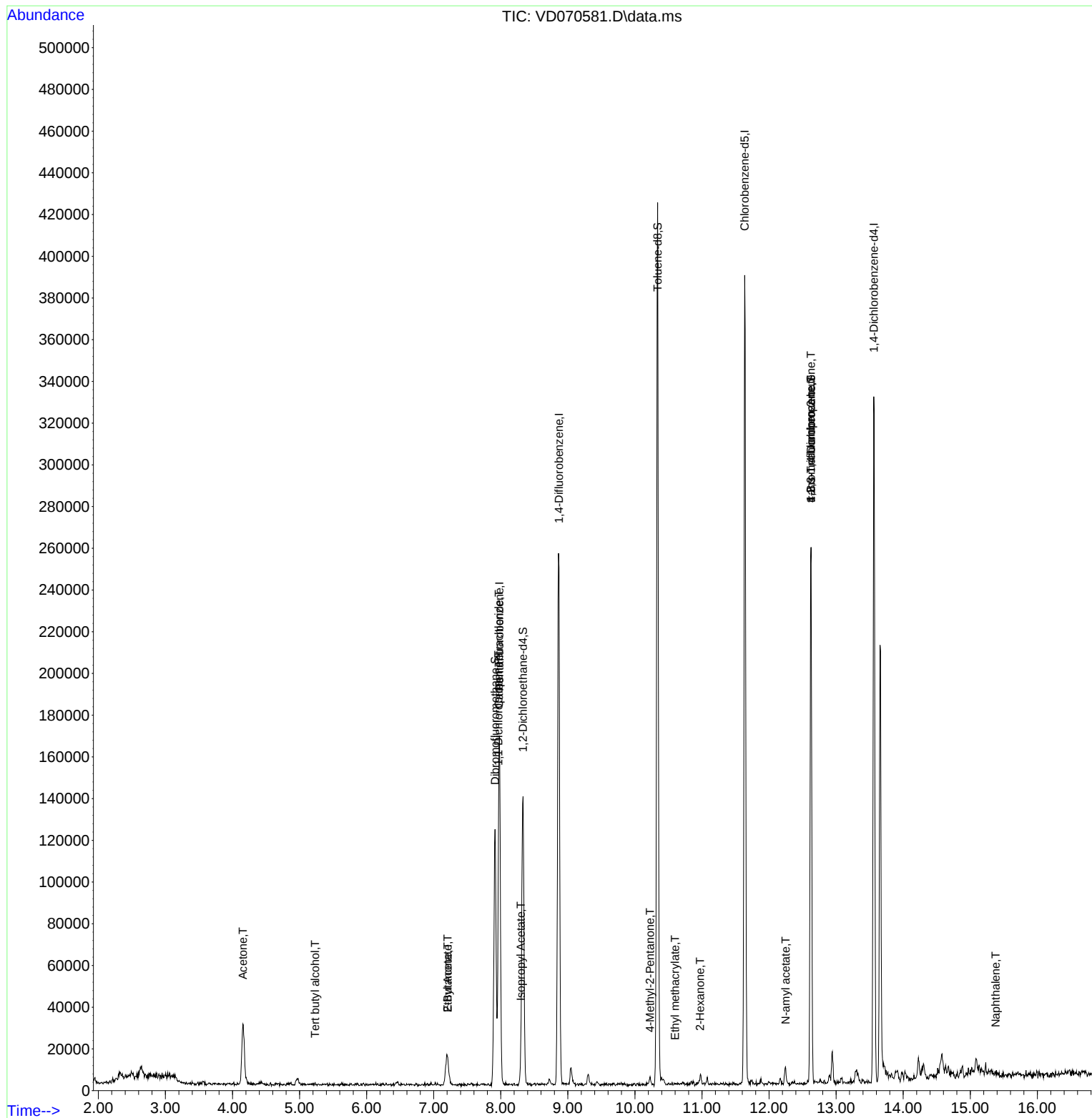
Internal Standards						
1) Pentafluorobenzene	7.979	168	120765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	228607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	231104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	90710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	111053	78.138	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 156.280%			
35) Dibromofluoromethane	7.914	113	88698	58.357	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.720%			
50) Toluene-d8	10.337	98	295817	50.912	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.820%			
62) 4-Bromofluorobenzene	12.625	95	91762	47.252	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.500%			
Target Compounds						Qvalue
5) Bromomethane	2.773	94	536	Below Cal		81
11) Tert butyl alcohol	5.232	59	74	1.051 ug/l #		83
16) Acetone	4.155	43	49379	204.599 ug/l		96
20) Methylene Chloride	4.955	84	2371	Below Cal #		71
25) 2-Butanone	7.208	43	10356	32.773 ug/l #		86
36) 1,1-Dichloropropene	7.967	75	10559	4.349 ug/l #		52
37) Ethyl Acetate	7.208	43	10356	12.839 ug/l #		75
38) Carbon Tetrachloride	7.973	117	13958	5.493 ug/l #		20
43) Isopropyl Acetate	8.296	43	4384	2.966 ug/l #		46
51) 4-Methyl-2-Pentanone	10.226	43	2515	3.298 ug/l		98
56) Ethyl methacrylate	10.596	69	63	1.414 ug/l #		34
59) 2-Hexanone	10.973	43	4194	3.992 ug/l		79
74) N-amyl acetate	12.249	43	5174	4.152 ug/l #		45
76) 1,2,3-Trichloropropane	12.625	75	44628	54.356 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.625	75	44628	120.681 ug/l #		17
95) Naphthalene	15.378	128	1796	3.083 ug/l #		78

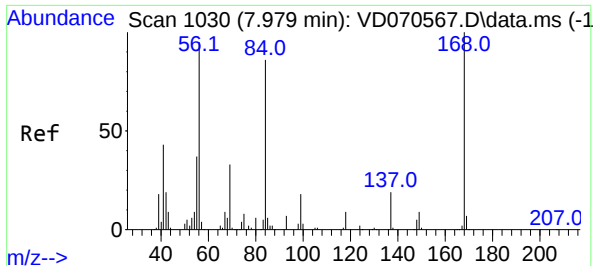
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
Data File : VD070581.D
Acq On : 05 Oct 2021 19:34
Operator : VA/SY
Sample : M4041-01RE
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
N-1RE

Quant Time: Oct 06 09:24:36 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

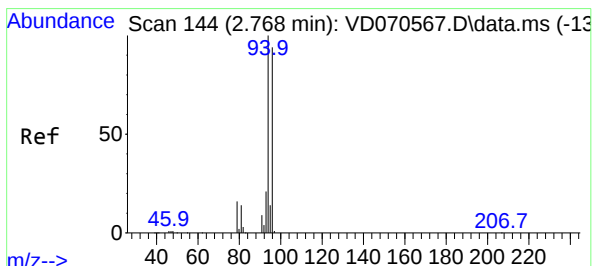
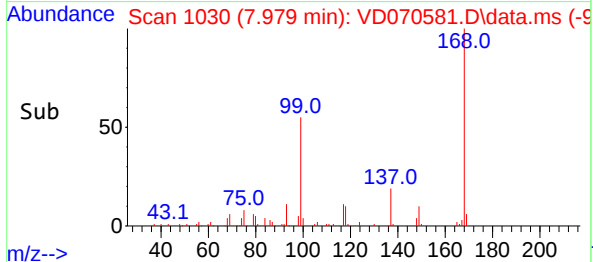
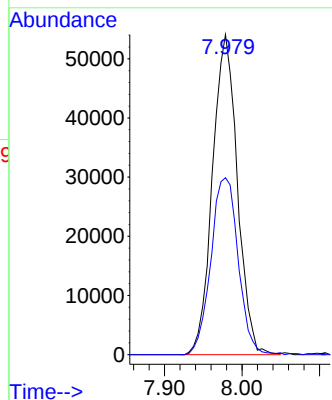
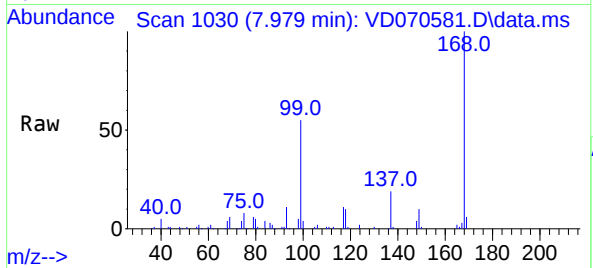




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

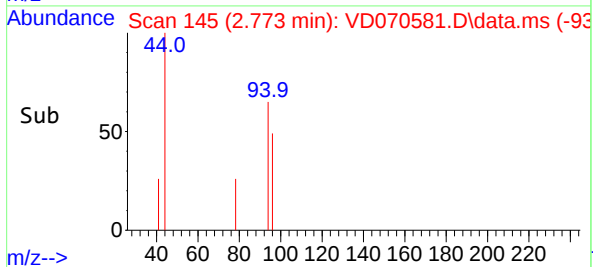
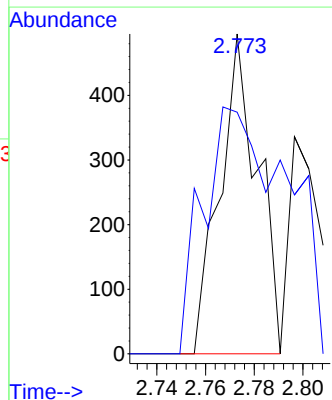
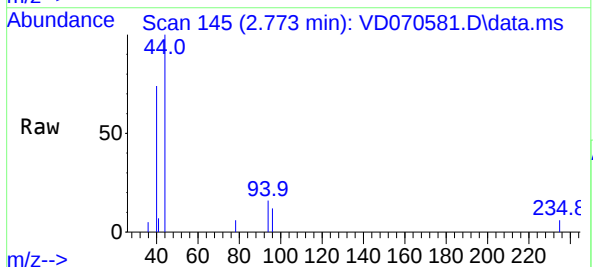
Instrument :
MSVOA_D
ClientSampleId :
N-1RE

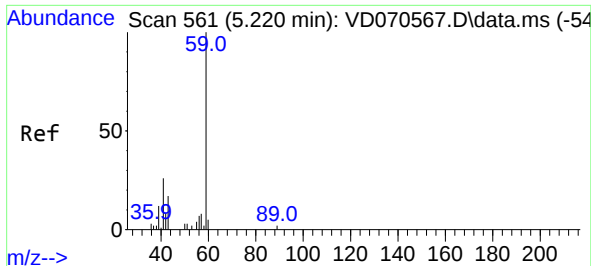
Tgt Ion:168 Resp: 120765
Ion Ratio Lower Upper
168 100
99 55.3 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 94 Resp: 536
Ion Ratio Lower Upper
94 100
96 75.6 75.5 113.3





#11

Tert butyl alcohol

Concen: 1.051 ug/l

RT: 5.232 min Scan# 5

Delta R.T. 0.012 min

Lab File: VD070581.D

Acq: 05 Oct 2021 19:34

Instrument :

MSVOA_D

ClientSampleId :

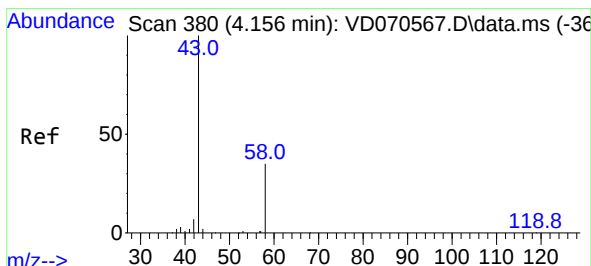
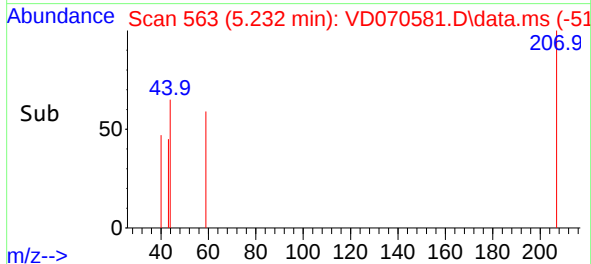
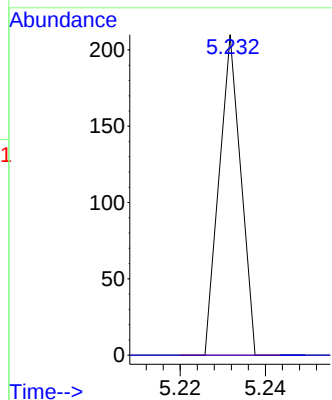
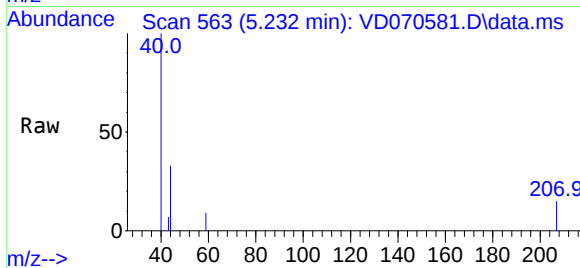
N-1RE

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#



#16

Acetone

Concen: 204.599 ug/l

RT: 4.155 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD070581.D

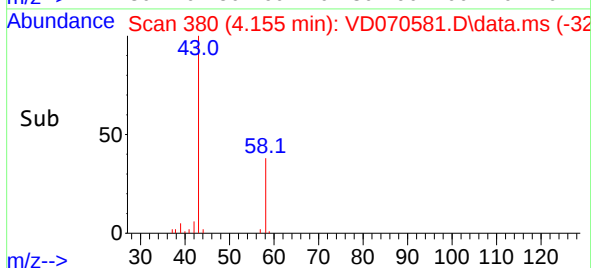
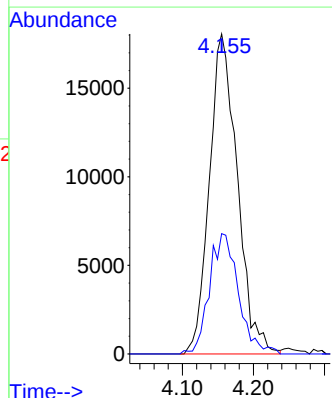
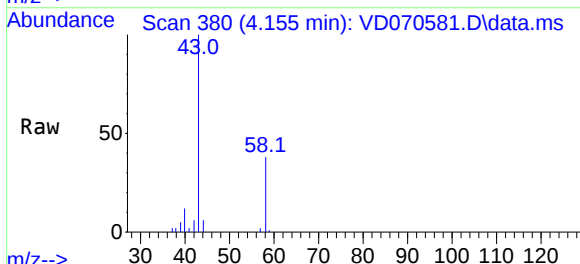
Acq: 05 Oct 2021 19:34

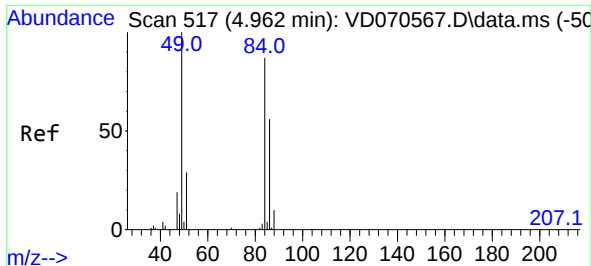
Tgt Ion: 43 Resp: 49379

Ion Ratio Lower Upper

43 100

58 37.6 28.2 42.2

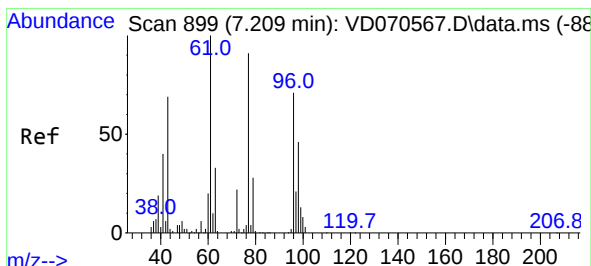
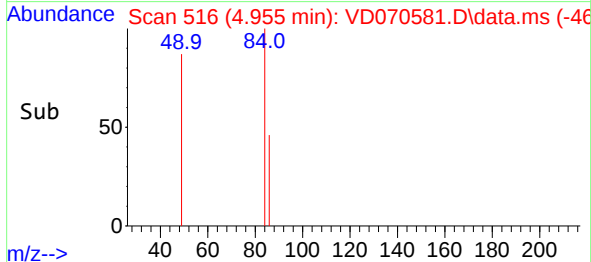
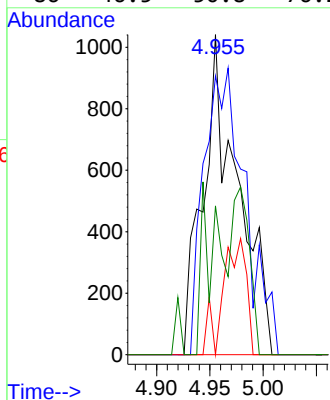
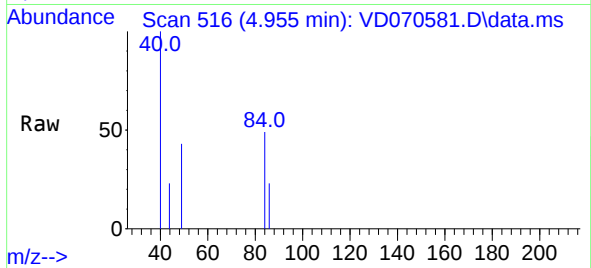




#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

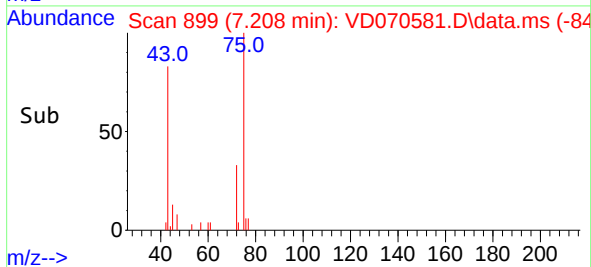
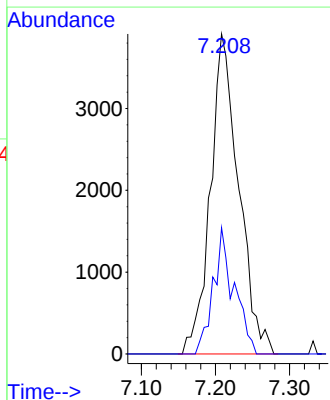
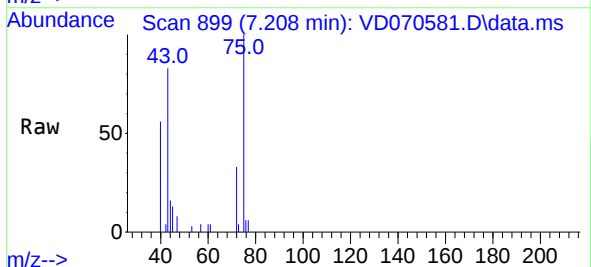
Instrument :
MSVOA_D
ClientSampleId :
N-1RE

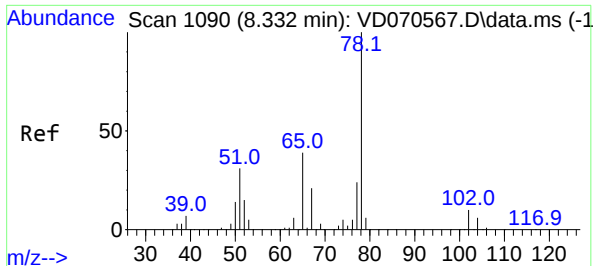
Tgt Ion:	84	Resp:	2371
Ion	Ratio	Lower	Upper
84	100		
49	87.1	91.4	137.2#
51	0.0	26.7	40.1#
86	46.5	50.8	76.2#



#25
2-Butanone
Concen: 32.773 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion:	43	Resp:	10356
Ion	Ratio	Lower	Upper
43	100		
72	39.5	25.2	37.8#





#33

1,2-Dichloroethane-d4

Concen: 78.138 ug/l

RT: 8.332 min Scan# 11053

Delta R.T. -0.000 min

Lab File: VD070581.D

Acq: 05 Oct 2021 19:34

Instrument :

MSVOA_D

ClientSampleId :

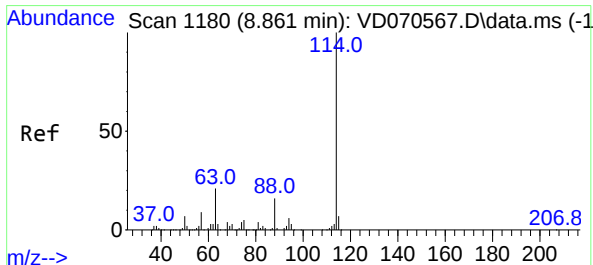
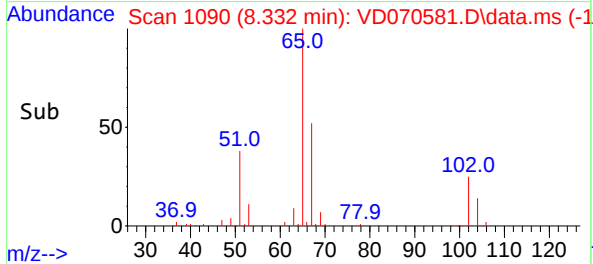
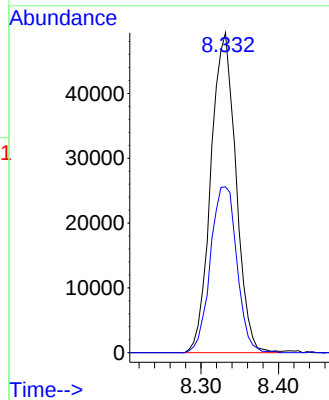
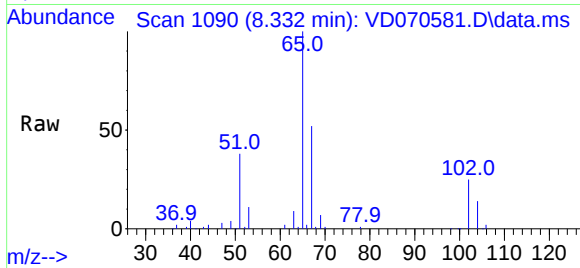
N-1RE

Tgt Ion: 65 Resp: 111053

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.005 min

Lab File: VD070581.D

Acq: 05 Oct 2021 19:34

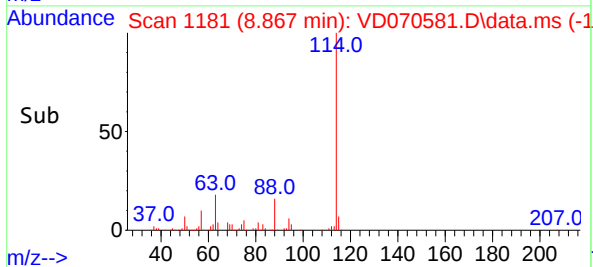
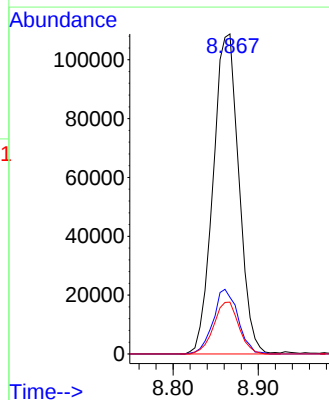
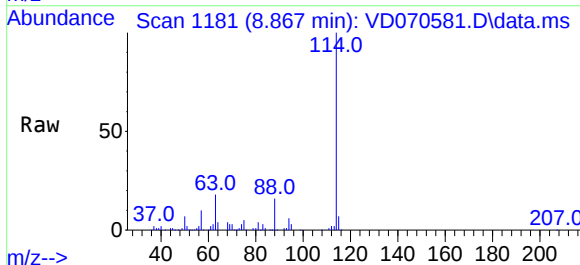
Tgt Ion:114 Resp: 228607

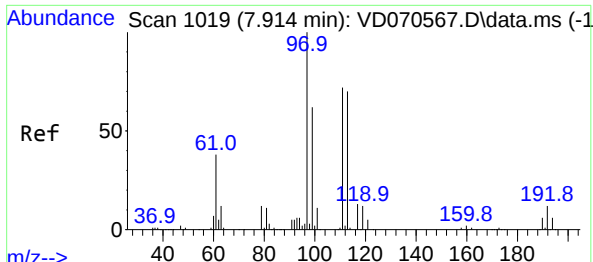
Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.8

88 16.2 0.0 32.6

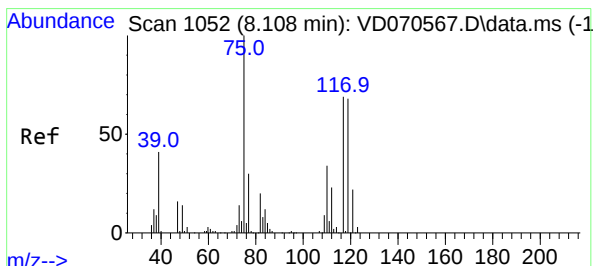
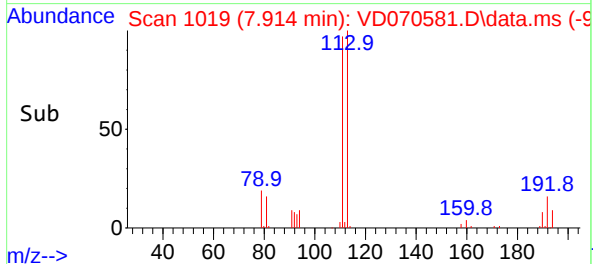
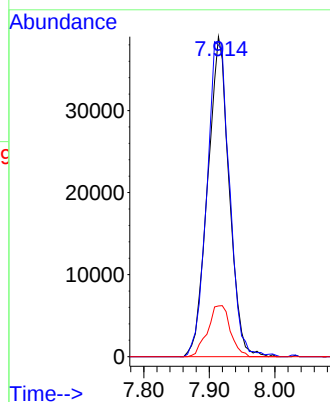
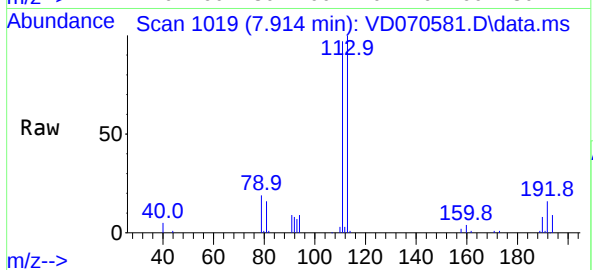




#35
Dibromofluoromethane
Concen: 58.357 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

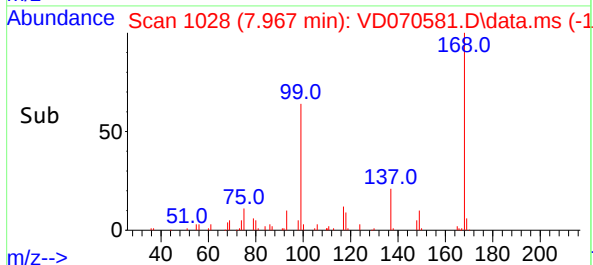
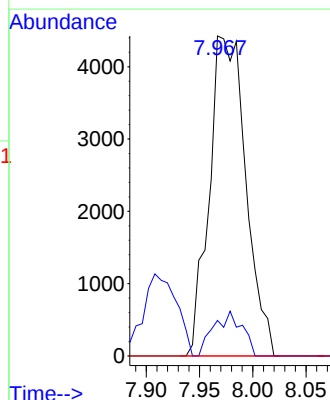
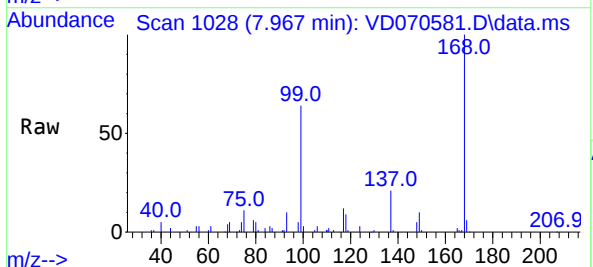
Instrument :
MSVOA_D
ClientSampleId :
N-1RE

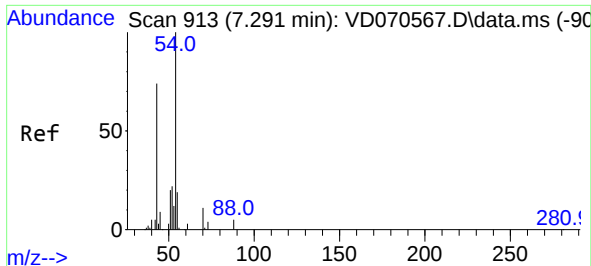
Tgt Ion:113 Resp: 88698
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 16.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.349 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.142 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 75 Resp: 10559
Ion Ratio Lower Upper
75 100
110 10.8 17.2 51.6#
77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 12.839 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.083 min

Lab File: VD070581.D

Acq: 05 Oct 2021 19:34

Instrument :

MSVOA_D

ClientSampleId :

N-1RE

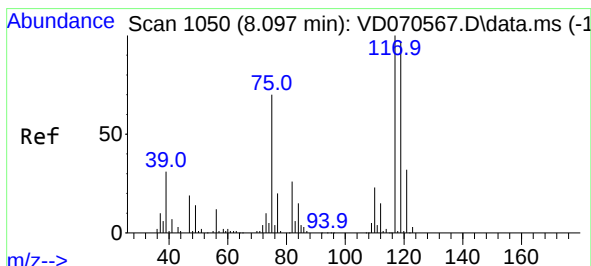
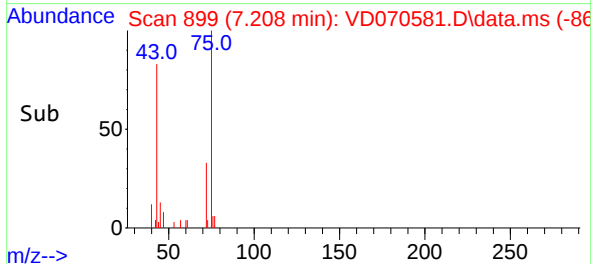
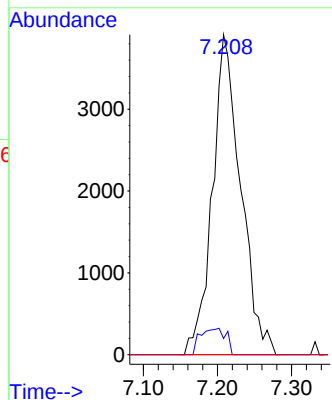
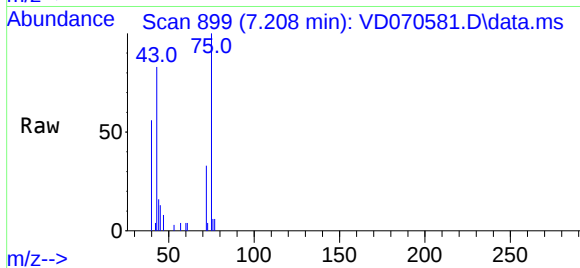
Tgt Ion: 43 Resp: 10356

Ion Ratio Lower Upper

43 100

61 7.5 12.9 19.3#

70 0.0 9.9 14.9#



#38

Carbon Tetrachloride

Concen: 5.493 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD070581.D

Acq: 05 Oct 2021 19:34

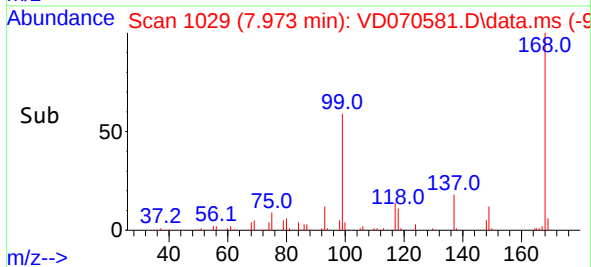
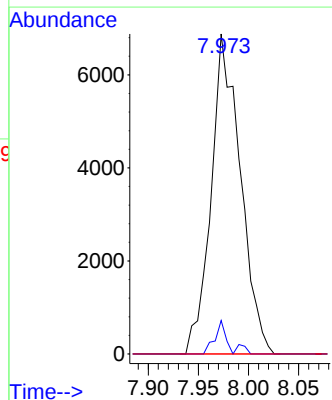
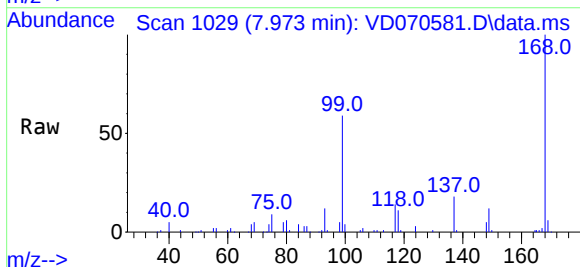
Tgt Ion: 117 Resp: 13958

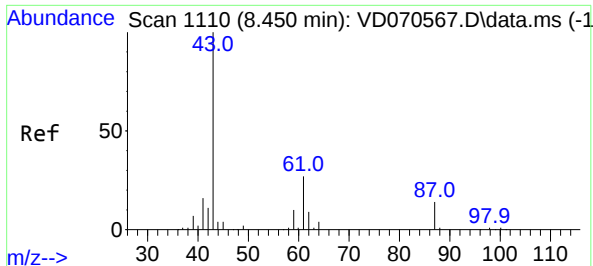
Ion Ratio Lower Upper

117 100

119 10.4 77.4 116.0#

121 0.0 25.4 38.0#

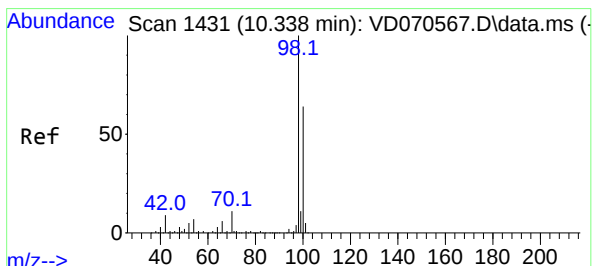
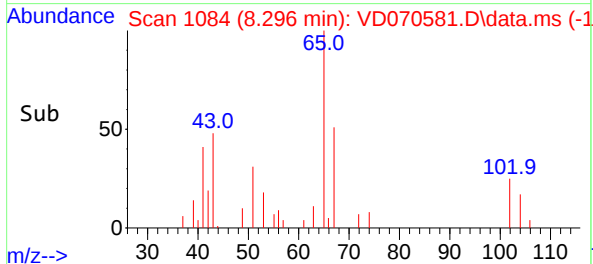
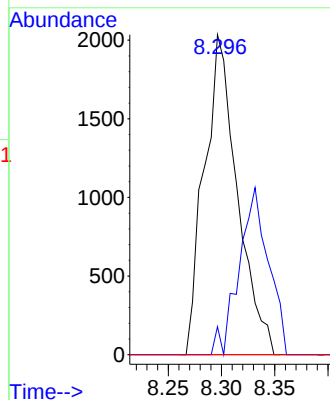
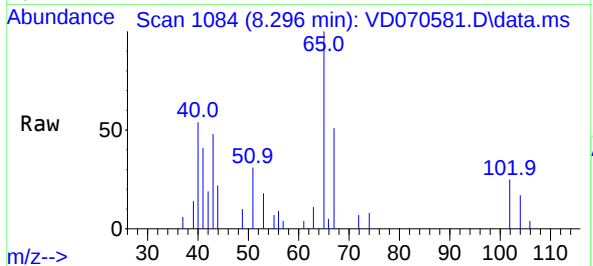




#43
Isopropyl Acetate
Concen: 2.966 ug/l
RT: 8.296 min Scan# 1084
Delta R.T. -0.153 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

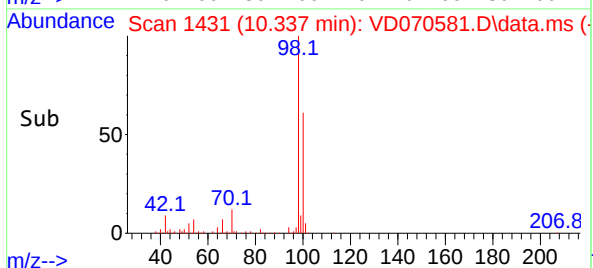
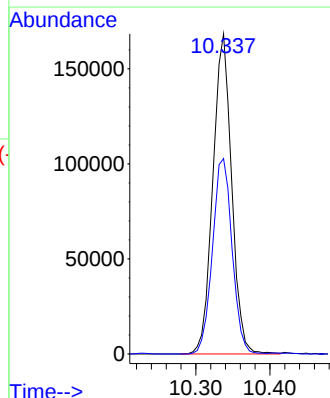
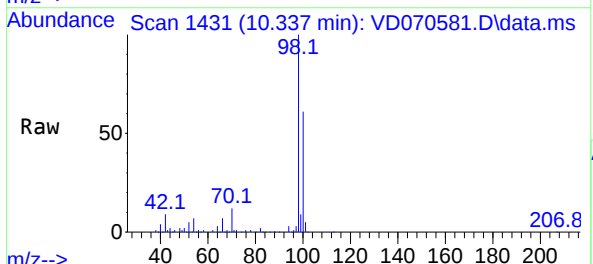
Instrument :
MSVOA_D
ClientSampleId :
N-1RE

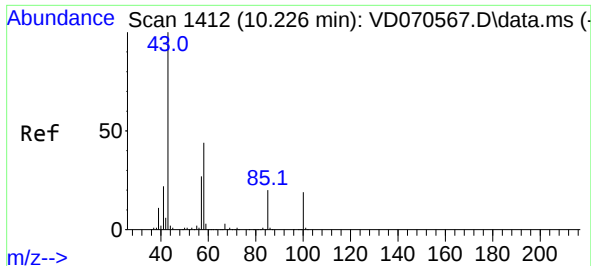
Tgt Ion: 43 Resp: 4384
Ion Ratio Lower Upper
43 100
61 0.0 29.0 43.4#
87 0.0 11.8 17.6#



#50
Toluene-d8
Concen: 50.912 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 98 Resp: 295817
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4

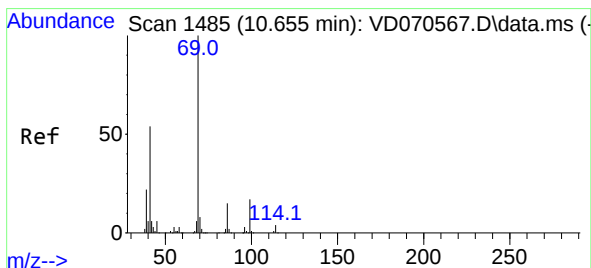
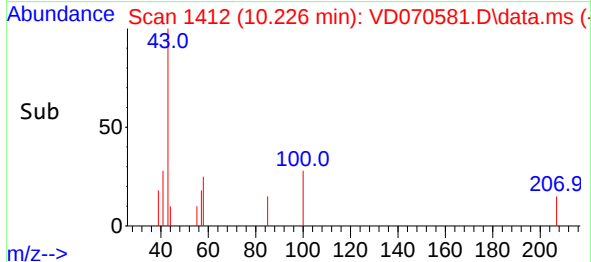
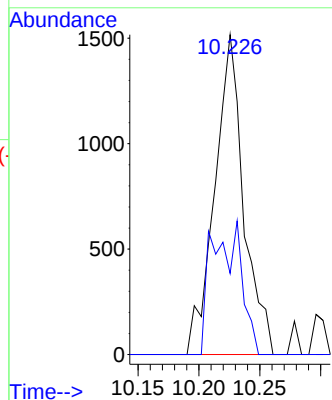
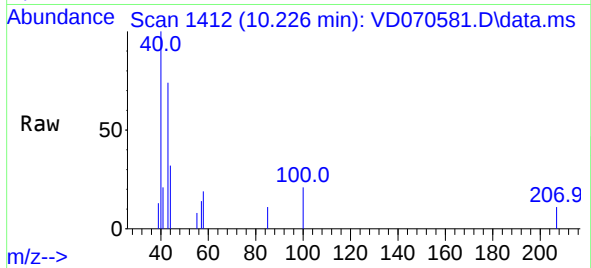




#51
4-Methyl-2-Pentanone
Concen: 3.298 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

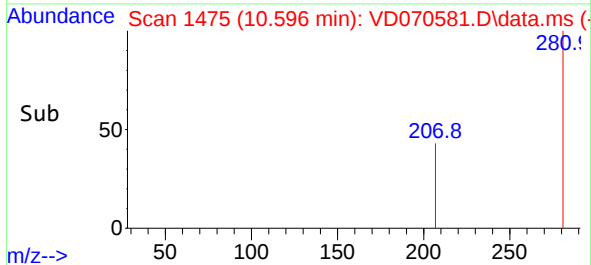
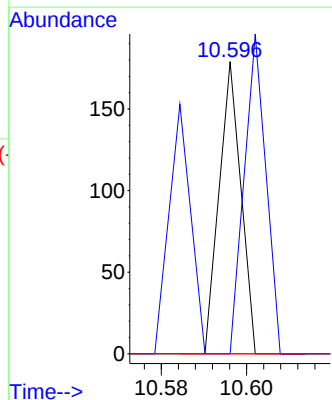
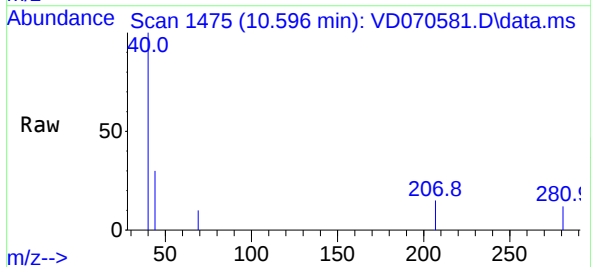
Instrument :
MSVOA_D
ClientSampleId :
N-1RE

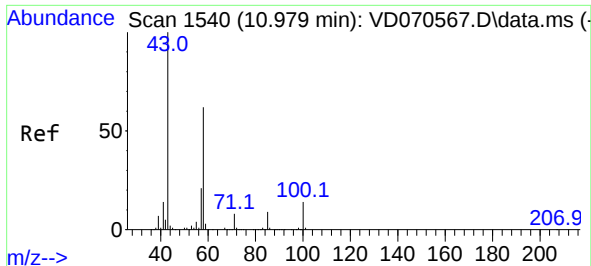
Tgt Ion: 43 Resp: 2515
Ion Ratio Lower Upper
43 100
58 42.2 35.0 52.6



#56
Ethyl methacrylate
Concen: 1.414 ug/l
RT: 10.596 min Scan# 1475
Delta R.T. -0.059 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 109.5 44.7 67.1#
39 0.0 19.5 29.3#

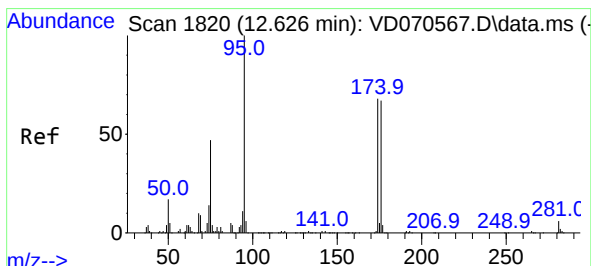
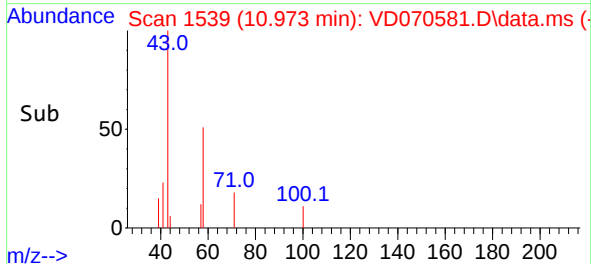
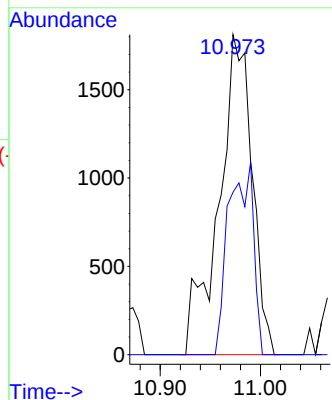
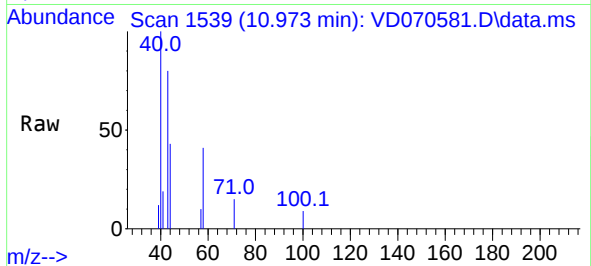




#59
2-Hexanone
Concen: 3.992 ug/l
RT: 10.973 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

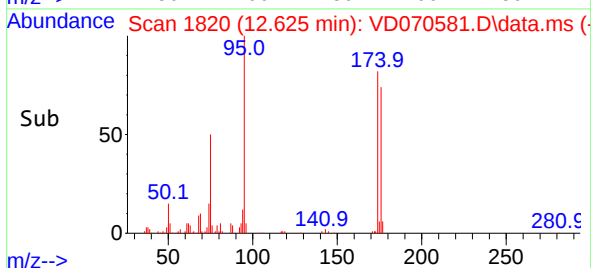
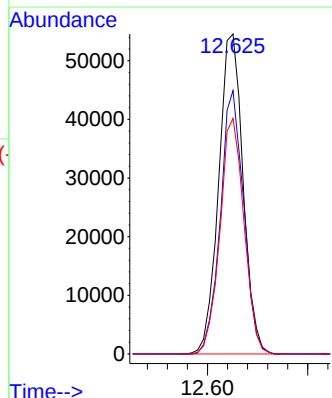
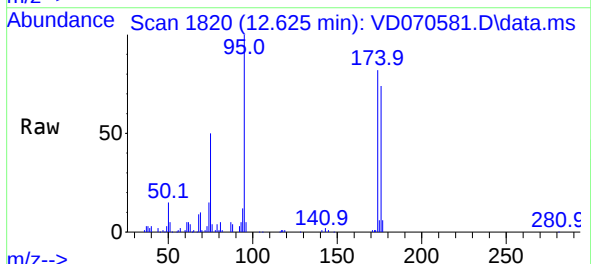
Instrument :
MSVOA_D
ClientSampleId :
N-1RE

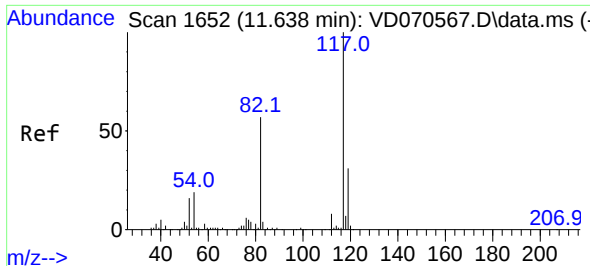
Tgt Ion: 43 Resp: 4194
Ion Ratio Lower Upper
43 100
58 44.6 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 47.252 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

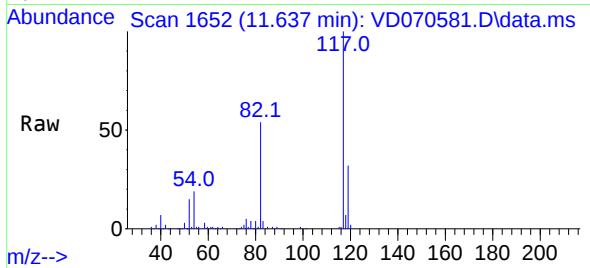
Tgt Ion: 95 Resp: 91762
Ion Ratio Lower Upper
95 100
174 78.9 0.0 138.0
176 72.6 0.0 135.6





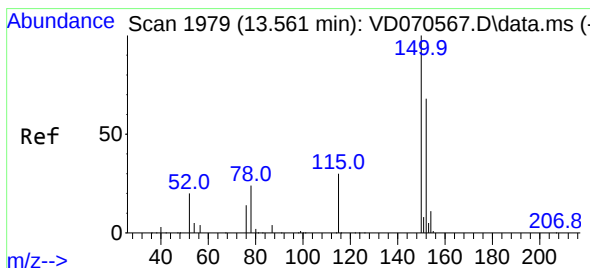
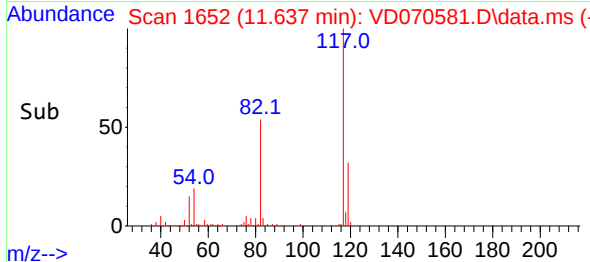
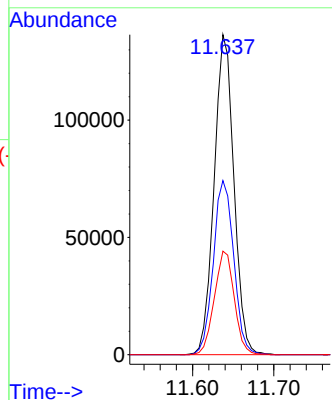
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Instrument :
MSVOA_D
ClientSampleId :
N-1RE



Tgt Ion:117 Resp: 231104

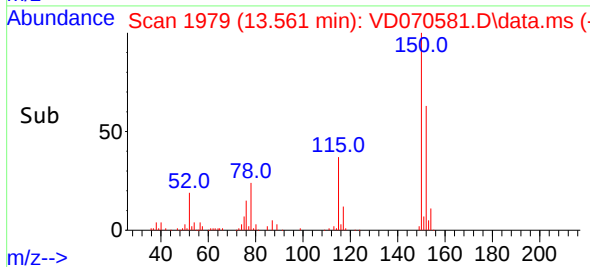
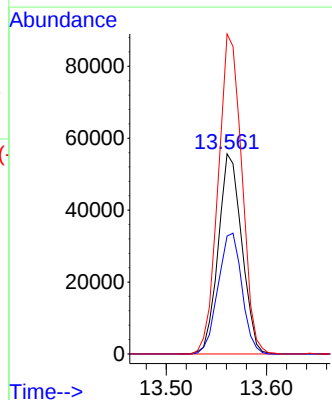
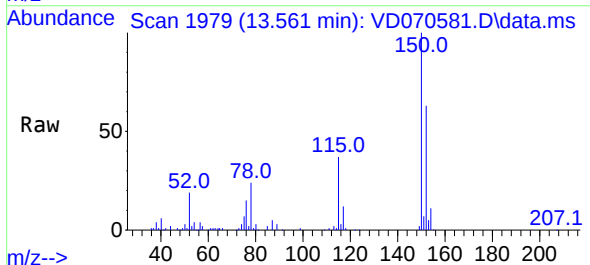
Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.4	68.2
119	32.4	24.7	37.1

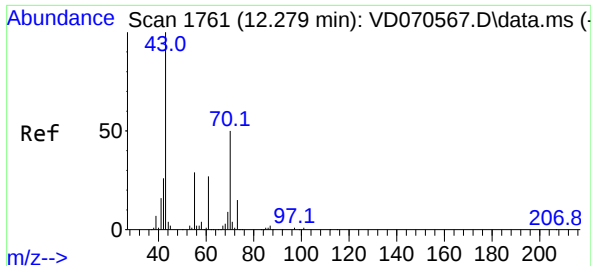


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion:152 Resp: 90710

Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.9	95.7
150	160.5	0.0	350.0

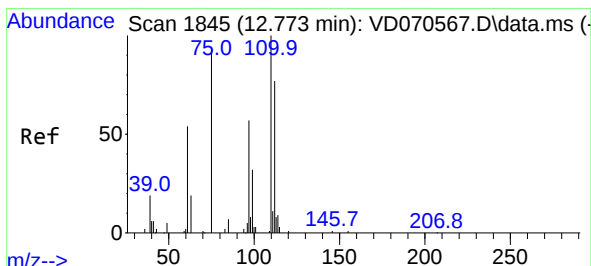
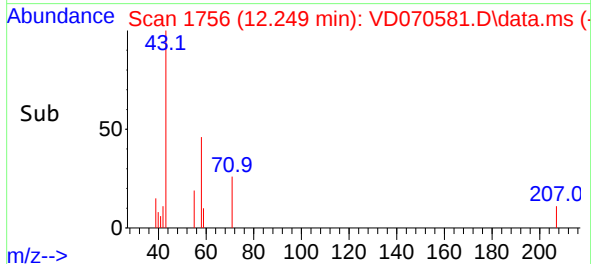
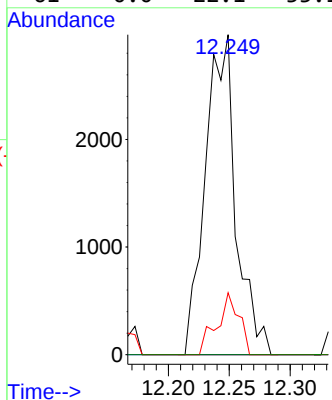
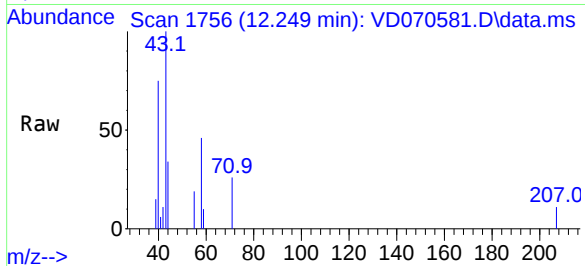




#74
N-amy1 acetate
Concen: 4.152 ug/l
RT: 12.249 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

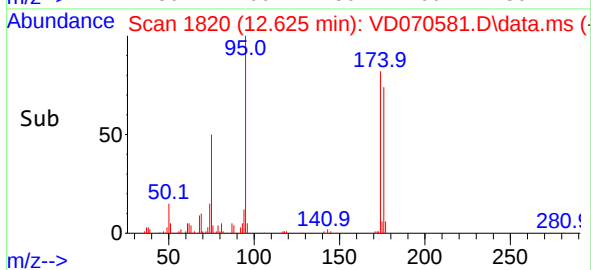
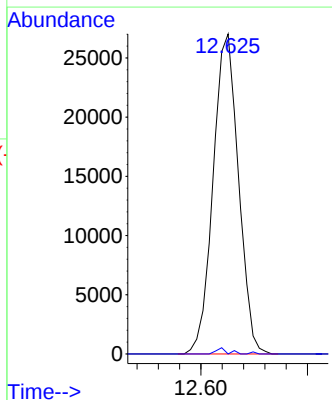
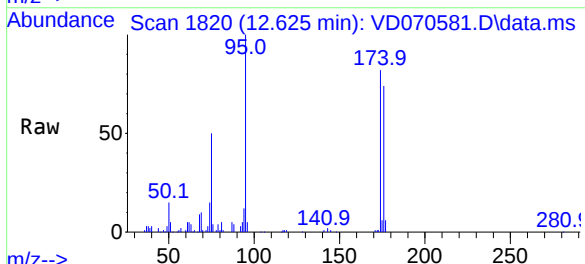
Instrument :
MSVOA_D
ClientSampleId :
N-1RE

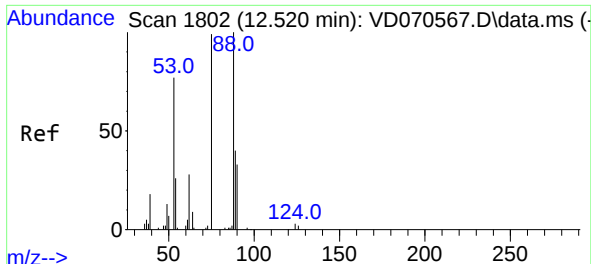
Tgt Ion:	43	Resp:	5174
Ion	Ratio	Lower	Upper
43	100		
70	0.0	40.0	60.0#
55	14.0	23.8	35.6#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 54.356 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion:	75	Resp:	44628
Ion	Ratio	Lower	Upper
75	100		
77	0.8	0.0	0.0#

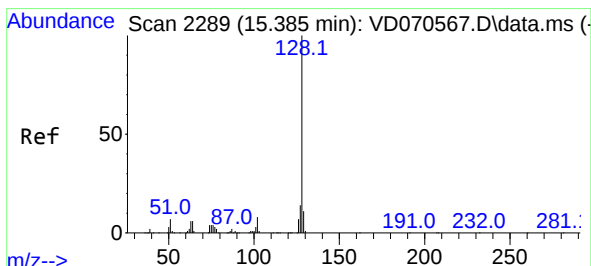
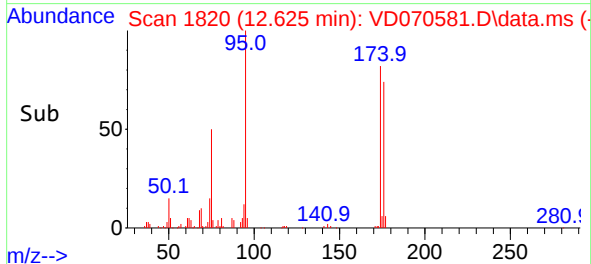
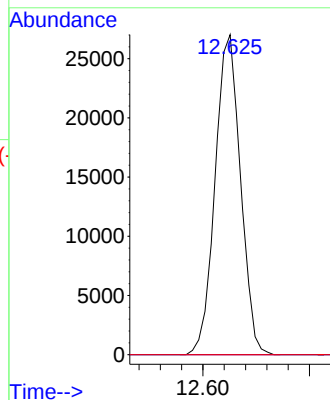
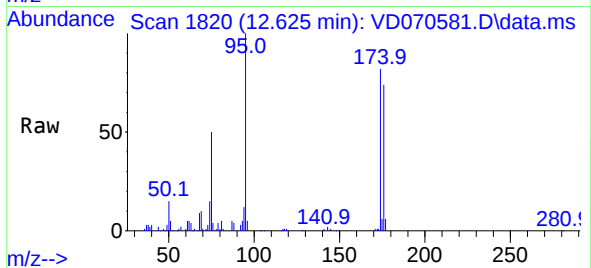




#81
trans-1,4-Dichloro-2-butene
Concen: 120.681 ug/l
RT: 12.625 min Scan# 11
Delta R.T. 0.105 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Instrument :
MSVOA_D
ClientSampleId :
N-1RE

Tgt Ion: 75 Resp: 44628
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 3.083 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.007 min
Lab File: VD070581.D
Acq: 05 Oct 2021 19:34

Tgt Ion:128 Resp: 1796
Ion Ratio Lower Upper
128 100
127 3.6 10.9 16.3#
129 4.0 8.6 12.8#

