

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075532.D
 Acq On : 02 Dec 2022 15:17
 Operator : JC\MD
 Sample : N5833-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-1

Quant Time: Dec 03 00:33:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	136482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	230926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85054	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	41886	57.173	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.340%
35) Dibromofluoromethane	8.171	113	51802	57.104	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	114.200%
50) Toluene-d8	10.571	98	103796	50.802	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.600%
62) 4-Bromofluorobenzene	12.853	95	74397	49.332	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.660%

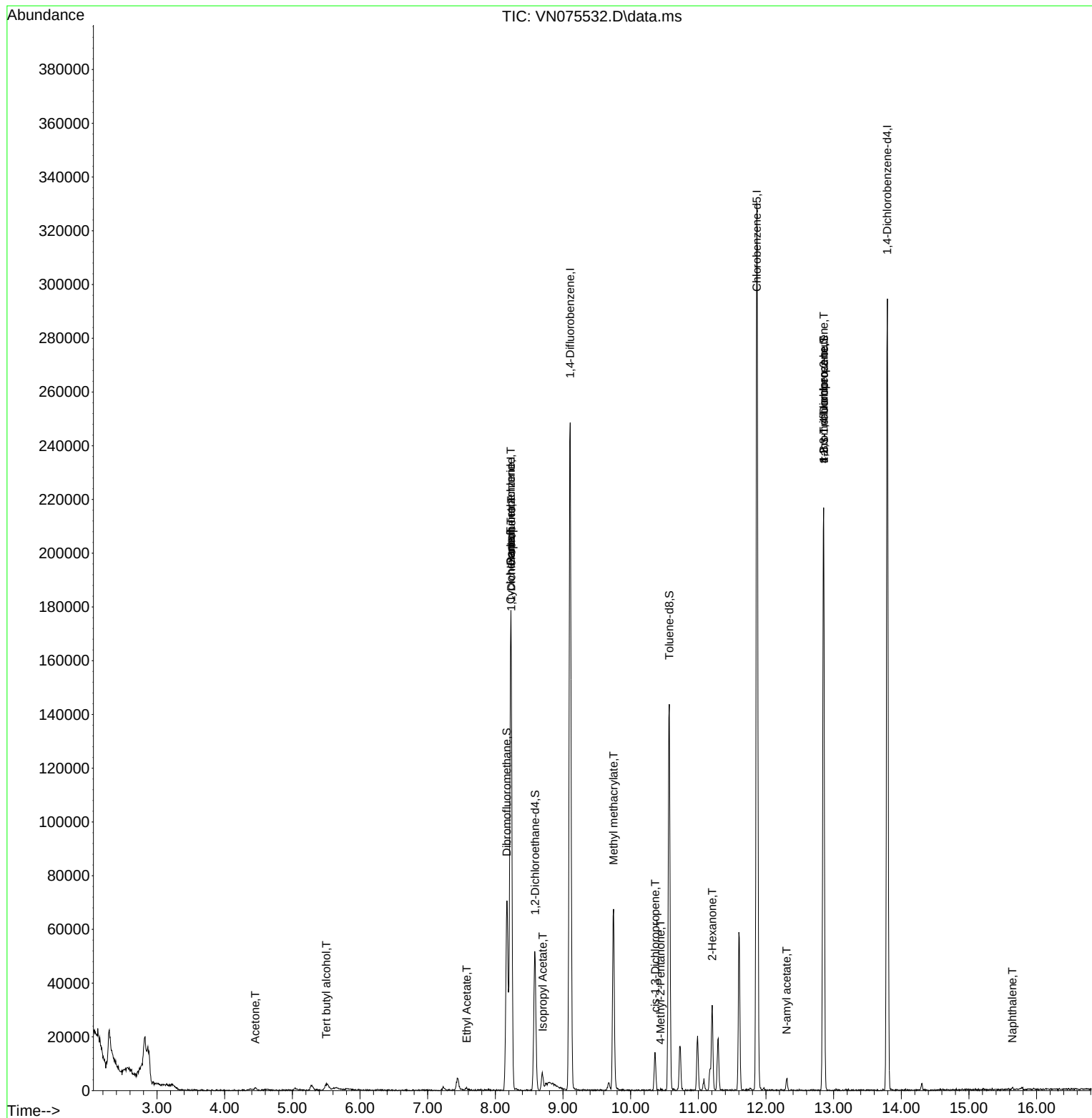
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.500	59	1161	3.775	ug/l #	72
16) Acetone	4.453	43	1440	2.107	ug/l #	43
18) Methyl Acetate	5.048	43	1153	Below Cal	#	60
20) Methylene Chloride	5.289	84	1567	Below Cal	#	83
31) Cyclohexane	8.224	56	2324	0.998	ug/l #	6
36) 1,1-Dichloropropene	8.236	75	9460	4.782	ug/l #	49
37) Ethyl Acetate	7.577	43	1519	0.853	ug/l #	72
38) Carbon Tetrachloride	8.230	117	13504	6.214	ug/l #	16
43) Isopropyl Acetate	8.700	43	7115	2.488	ug/l	94
48) Methyl methacrylate	9.747	41	6194	4.685	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	430	0.236	ug/l #	34
54) cis-1,3-Dichloropropene	10.365	75	2862	1.242	ug/l #	68
59) 2-Hexanone	11.206	43	4157	3.040	ug/l #	59
74) N-amyl acetate	12.306	43	1575	0.824	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	37693	23.439	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	37693	69.350	ug/l #	10
95) Naphthalene	15.641	128	992	0.217	ug/l #	83

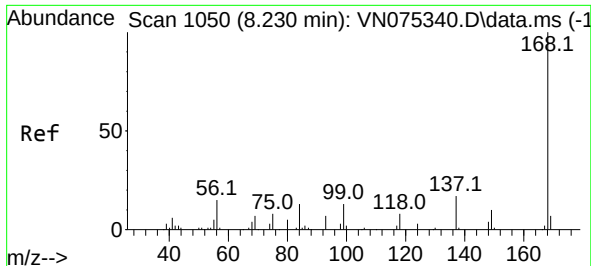
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

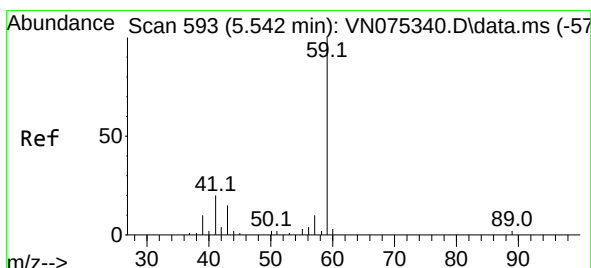
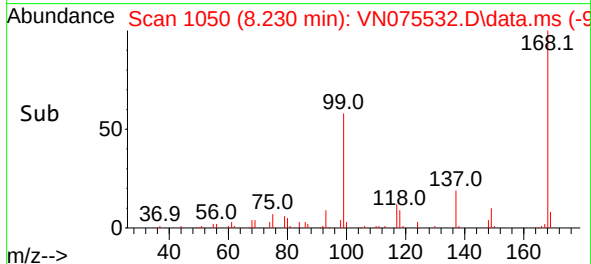
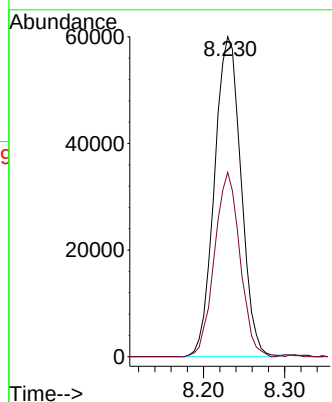
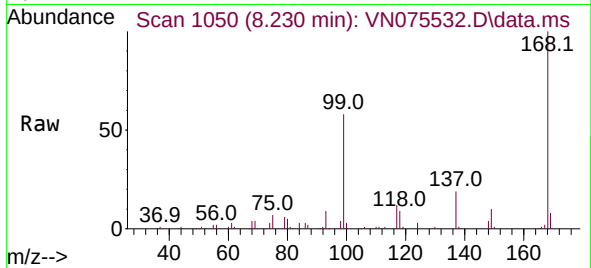




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

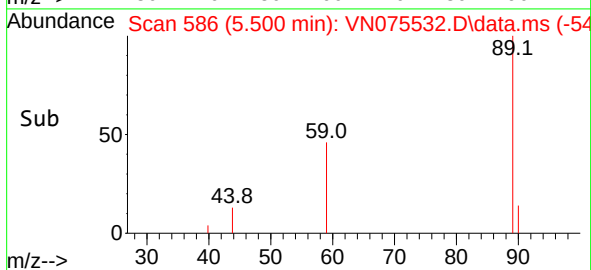
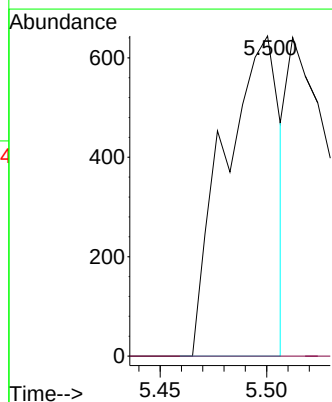
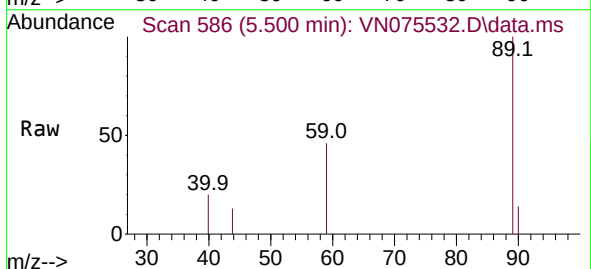
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

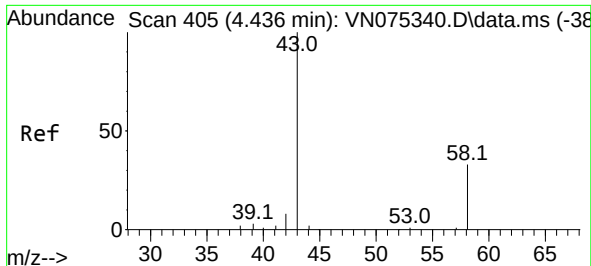
Tgt Ion:168 Resp: 136482
Ion Ratio Lower Upper
168 100
99 57.6 51.6 77.4



#11
Tert butyl alcohol
Concen: 3.775 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion: 59 Resp: 1161
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

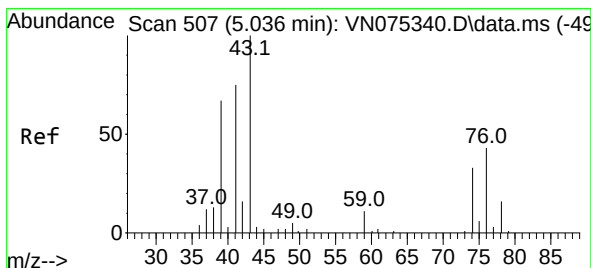
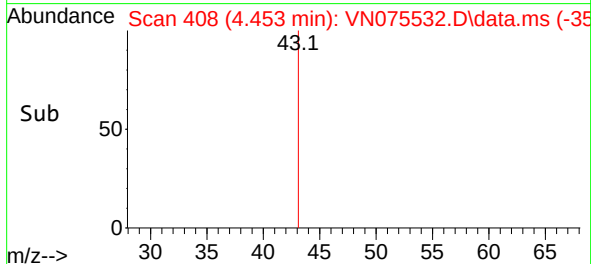
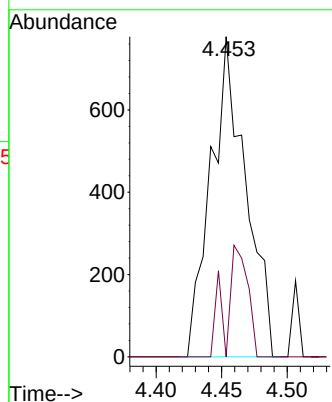
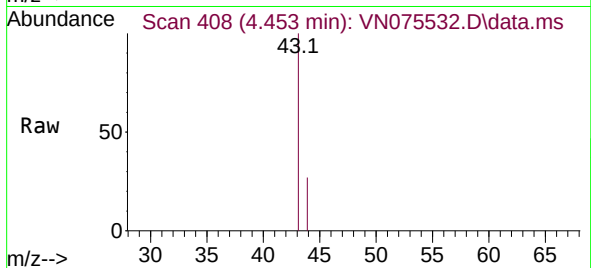




#16
Acetone
Concen: 2.107 ug/l
RT: 4.453 min Scan# 405
Delta R.T. 0.017 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

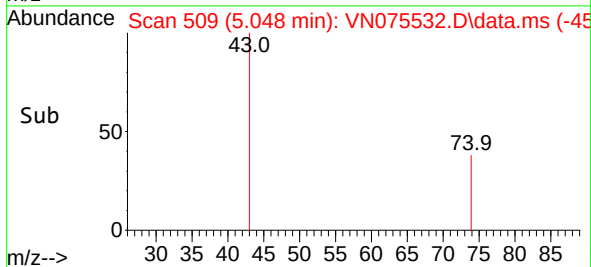
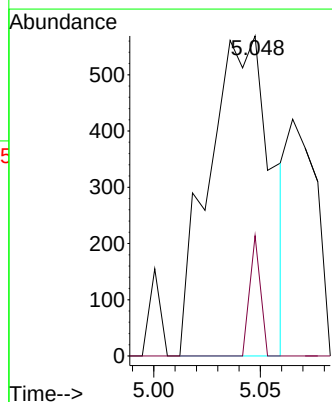
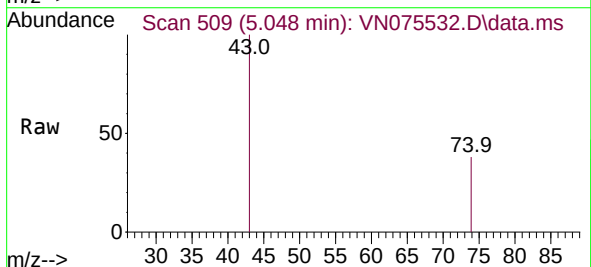
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

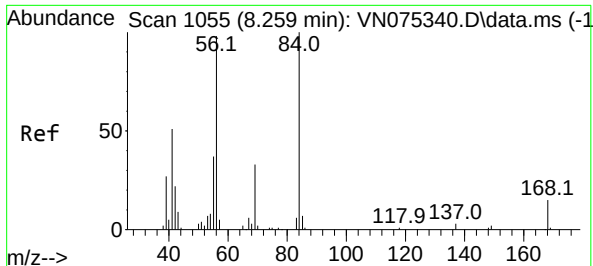
Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

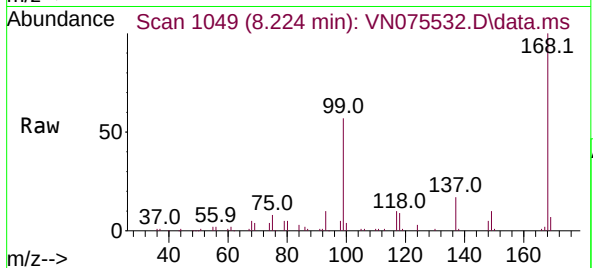
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
74 6.5 22.0 33.0#



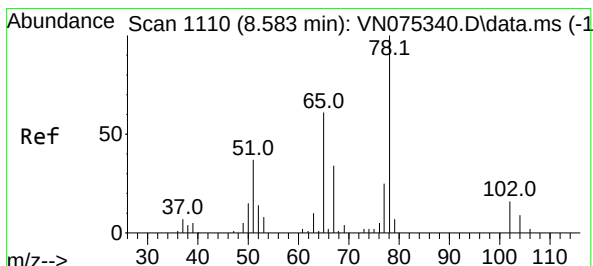
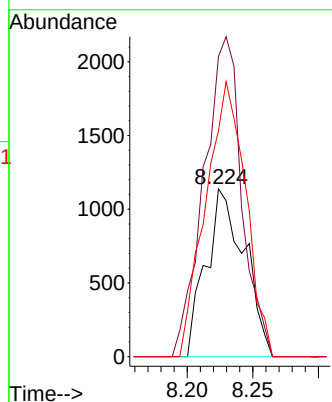
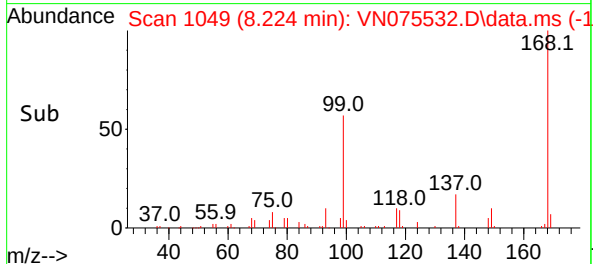


#31
Cyclohexane
Concen: 0.998 ug/l
RT: 8.224 min Scan# 11049
Delta R.T. -0.035 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

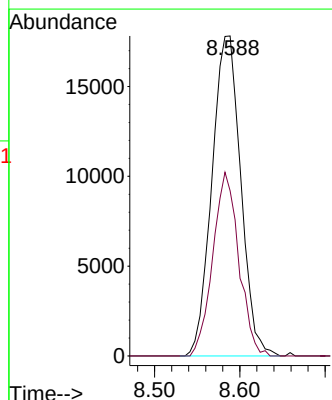
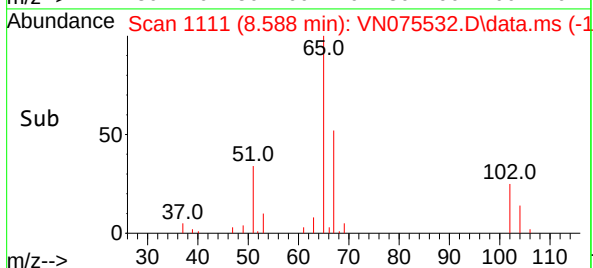
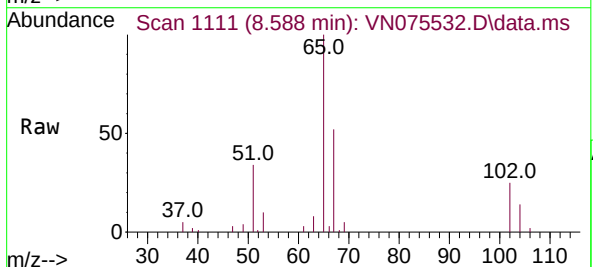


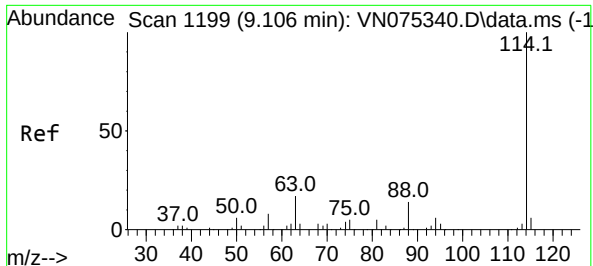
Tgt Ion: 56 Resp: 2324
Ion Ratio Lower Upper
56 100
69 178.9 25.2 37.8#
84 134.6 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 57.173 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion: 65 Resp: 41886
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075532.D

Acq: 02 Dec 2022 15:17

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-1

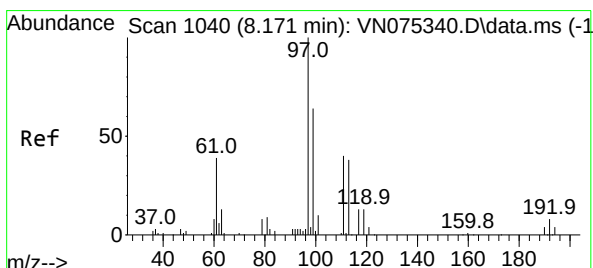
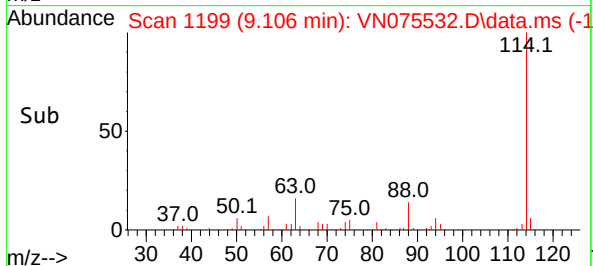
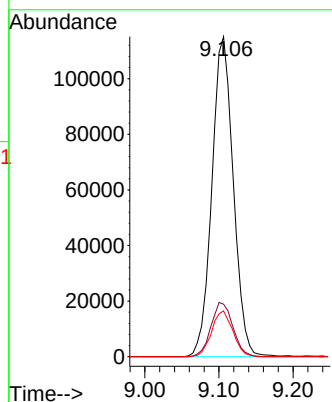
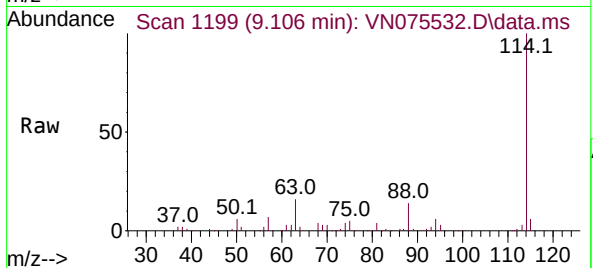
Tgt Ion:114 Resp: 230926

Ion Ratio Lower Upper

114 100

63 16.4 0.0 39.6

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 57.104 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075532.D

Acq: 02 Dec 2022 15:17

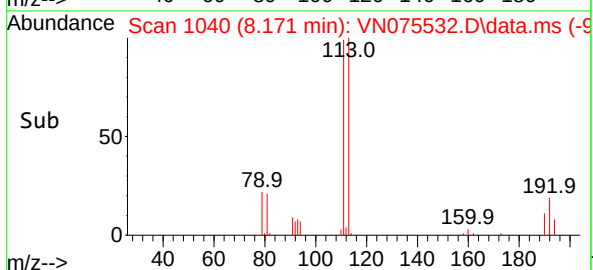
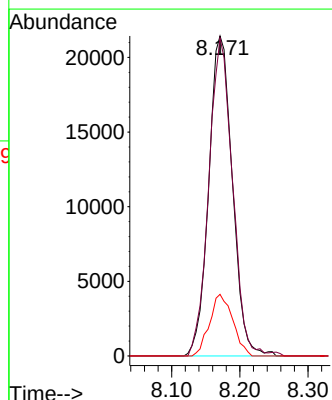
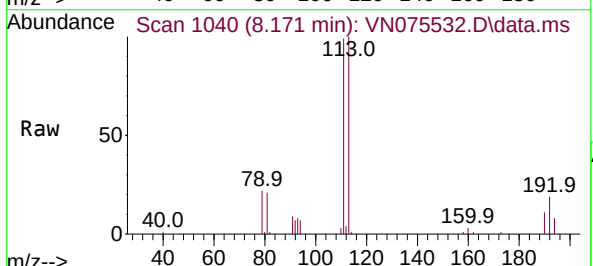
Tgt Ion:113 Resp: 51802

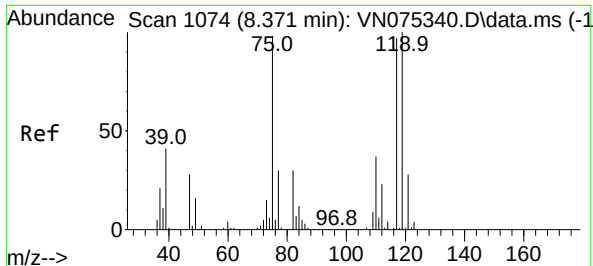
Ion Ratio Lower Upper

113 100

111 99.2 80.5 120.7

192 18.9 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN075532.D

Acq: 02 Dec 2022 15:17

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-1

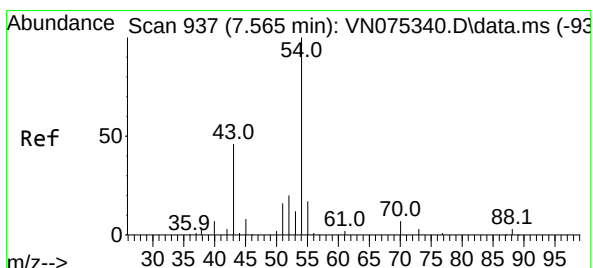
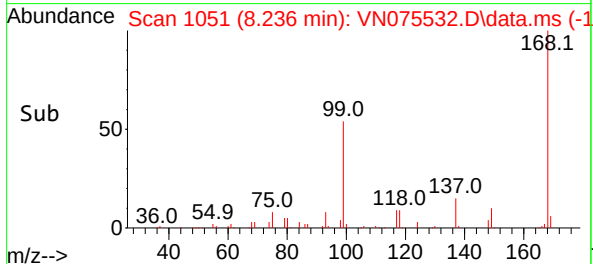
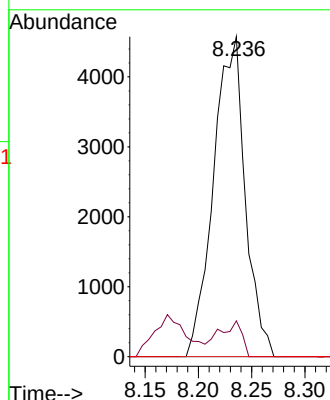
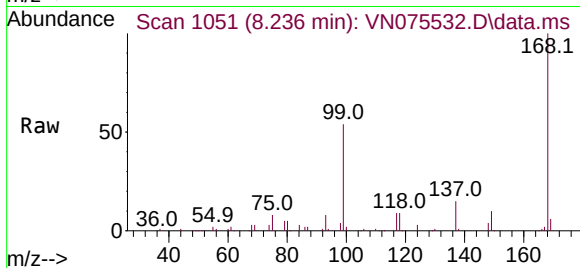
Tgt Ion: 75 Resp: 9460

Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.853 ug/l

RT: 7.577 min Scan# 939

Delta R.T. 0.012 min

Lab File: VN075532.D

Acq: 02 Dec 2022 15:17

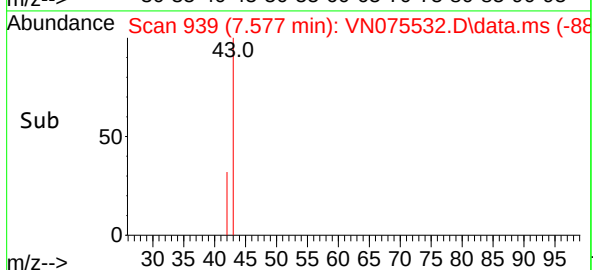
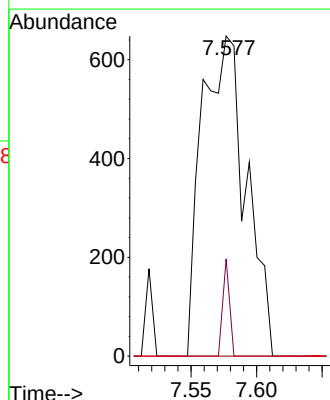
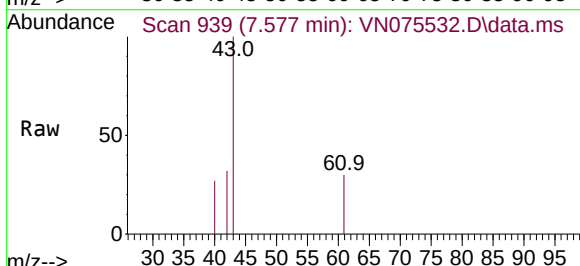
Tgt Ion: 43 Resp: 1519

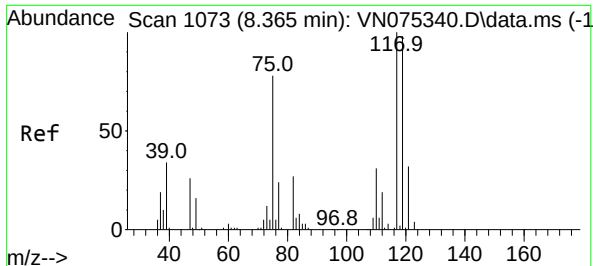
Ion Ratio Lower Upper

43 100

61 4.6 12.2 18.4#

70 0.0 9.4 14.2#

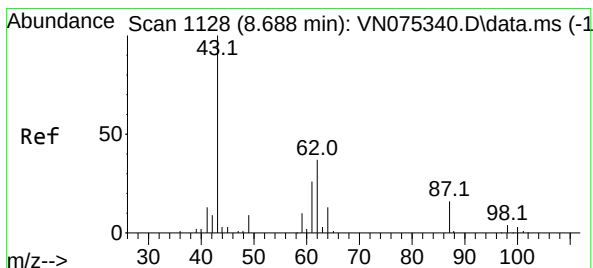
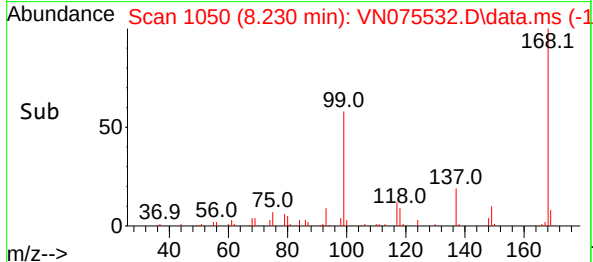
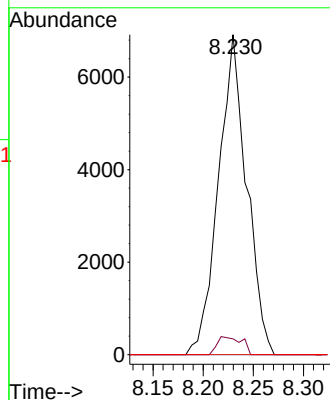
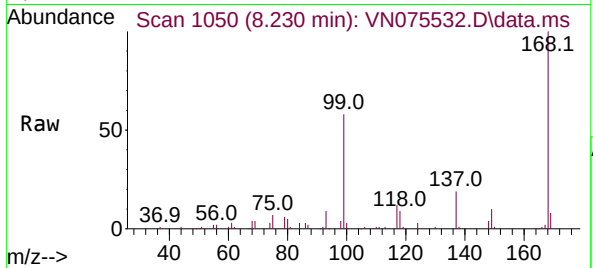




#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

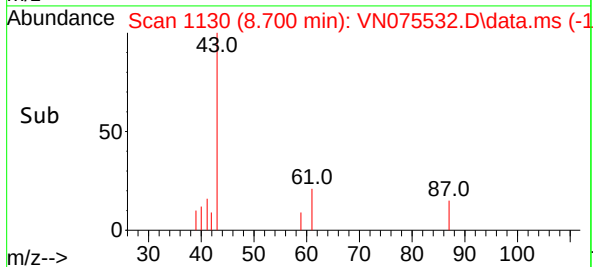
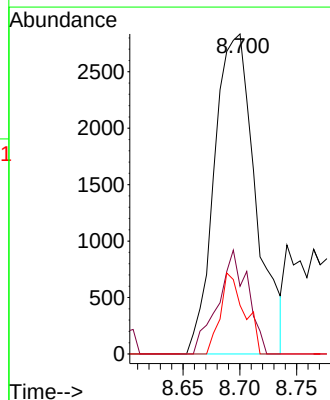
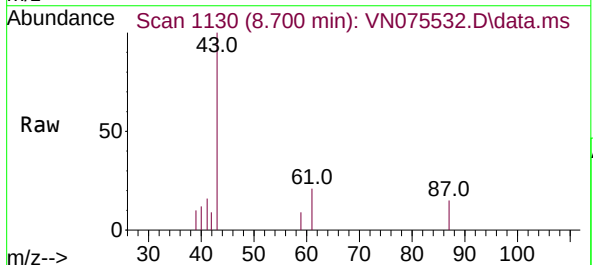
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COMPOSITE-1

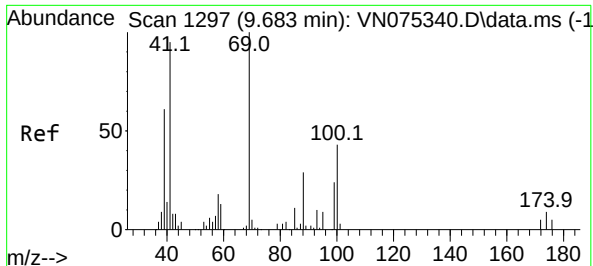
Tgt Ion:117 Resp: 13504
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 2.488 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.012 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion: 43 Resp: 7115
Ion Ratio Lower Upper
43 100
61 23.8 22.4 33.6
87 14.8 12.5 18.7

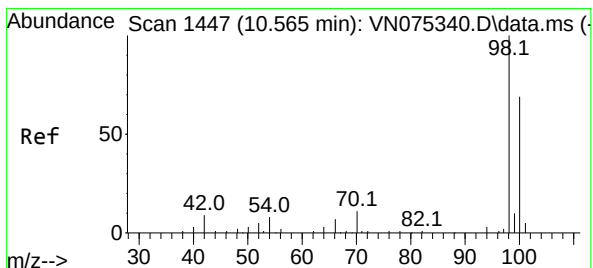
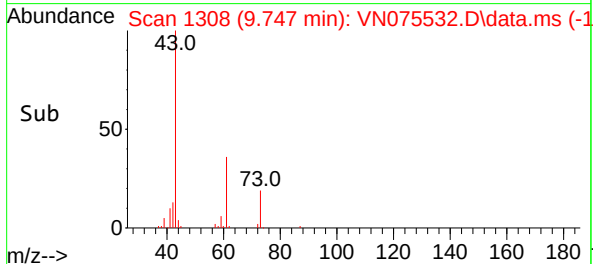
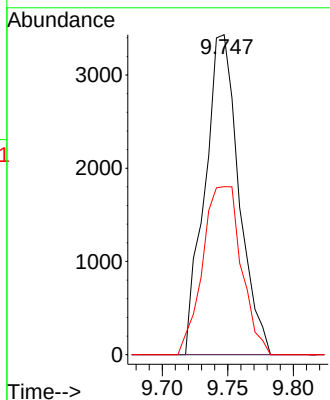
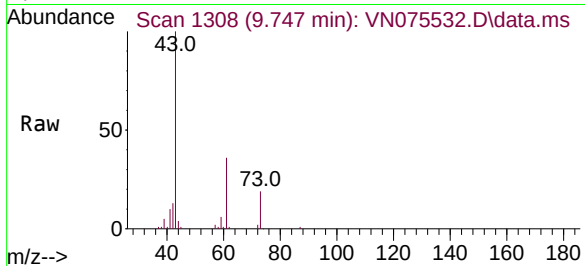




#48
Methyl methacrylate
Concen: 4.685 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

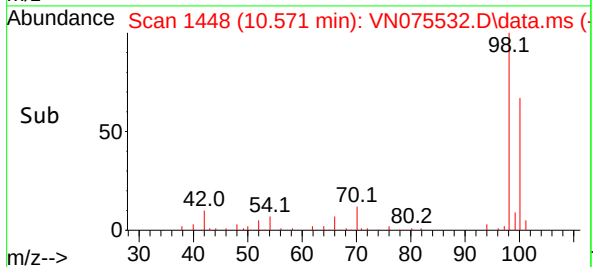
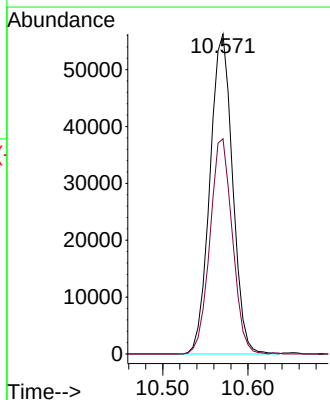
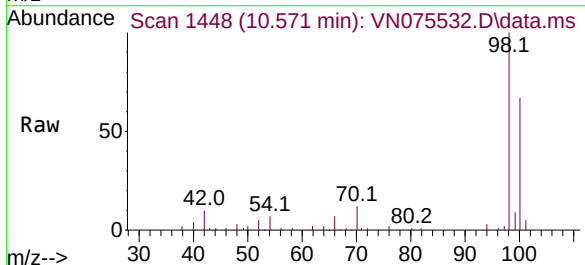
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

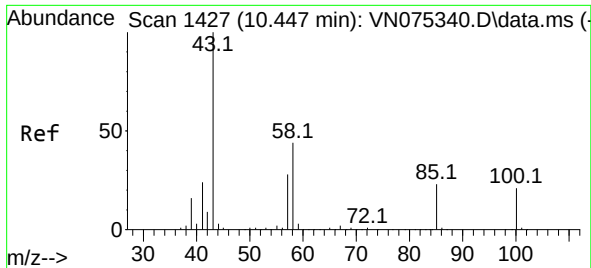
Tgt Ion: 41 Resp: 6194
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 59.8 56.2 84.2



#50
Toluene-d8
Concen: 50.802 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion: 98 Resp: 103796
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.6

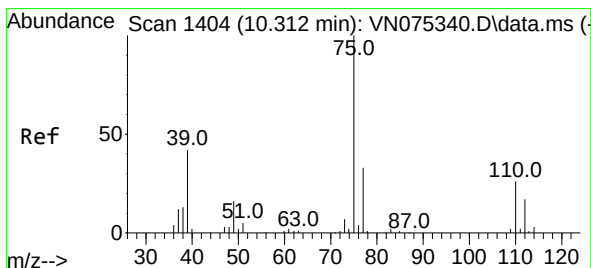
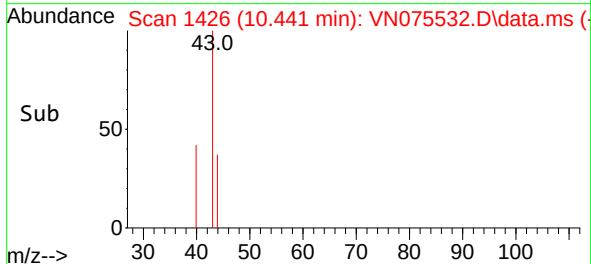
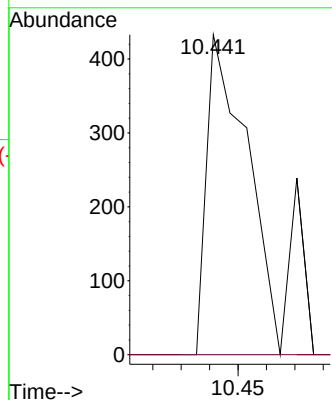
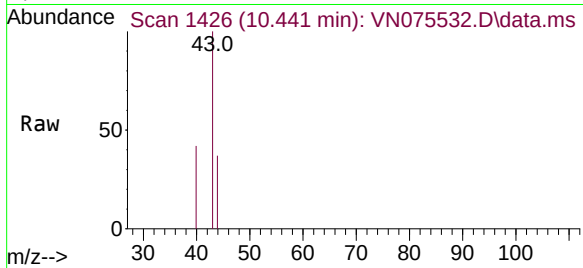




#51
4-Methyl-2-Pentanone
Concen: 0.236 ug/l
RT: 10.441 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

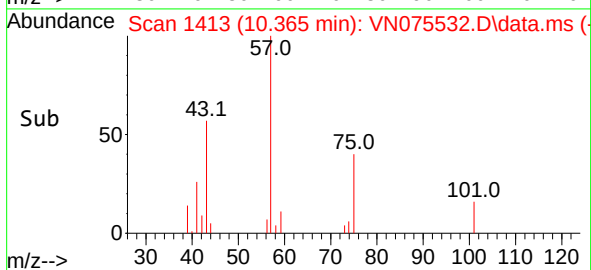
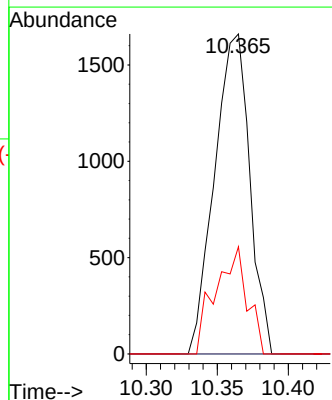
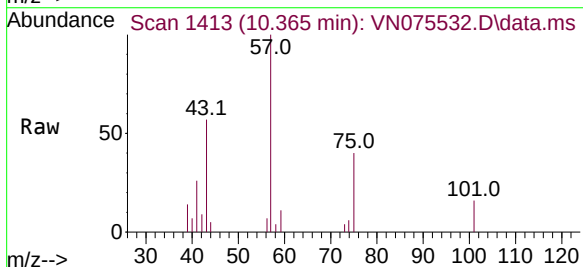
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

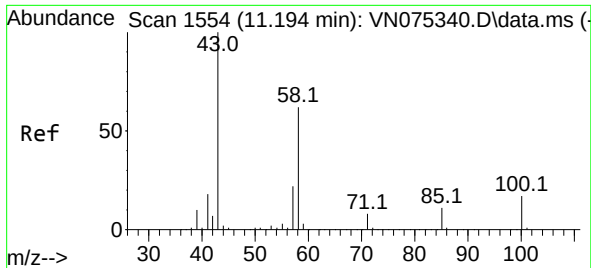
Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 1.242 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion: 75 Resp: 2862
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 33.5 35.8 53.6#

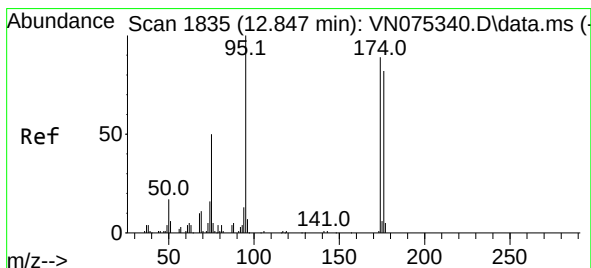
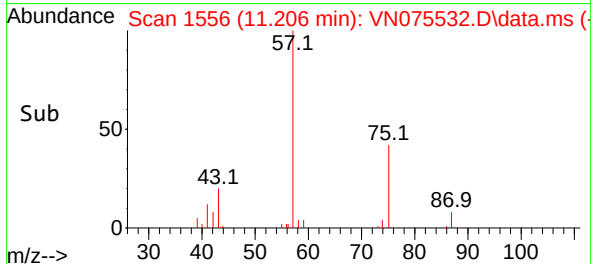
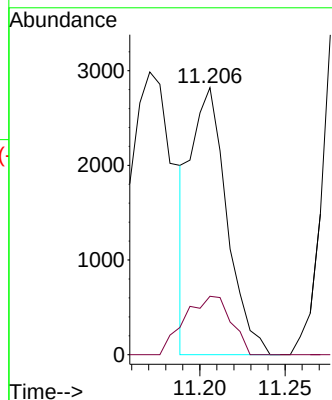
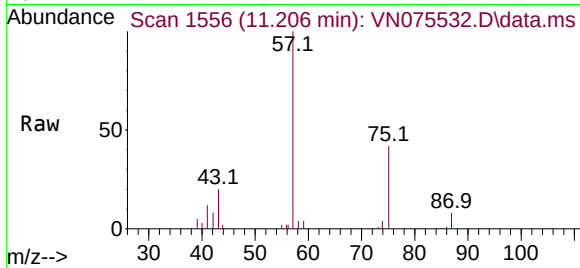




#59
2-Hexanone
Concen: 3.040 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.012 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

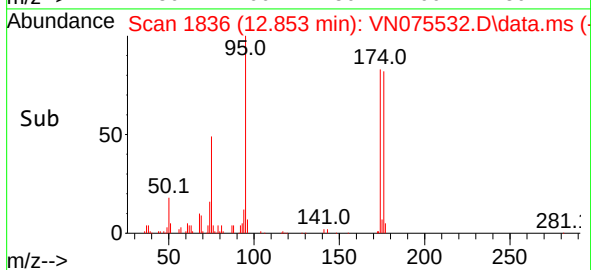
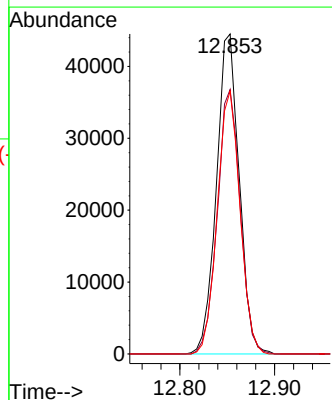
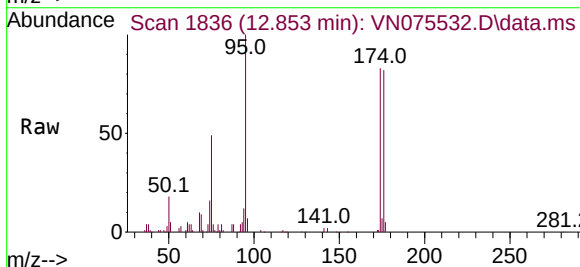
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

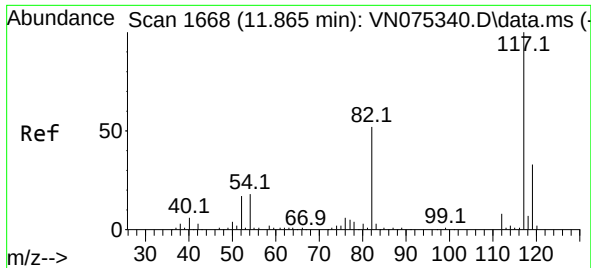
Tgt Ion: 43 Resp: 4157
Ion Ratio Lower Upper
43 100
58 28.1 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.332 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion: 95 Resp: 74397
Ion Ratio Lower Upper
95 100
174 82.9 0.0 147.4
176 81.9 0.0 142.2

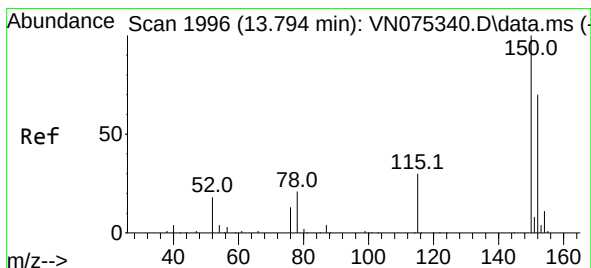
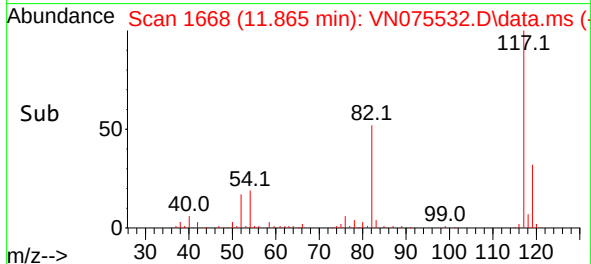
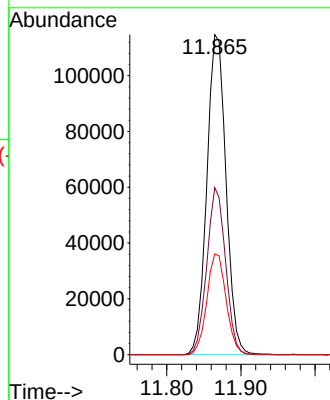
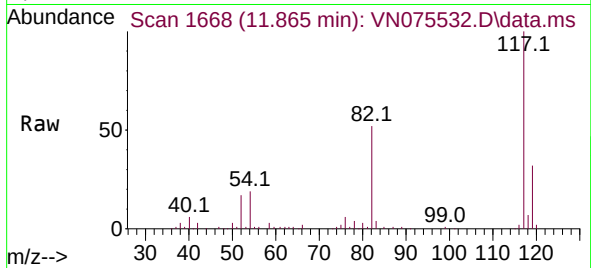




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

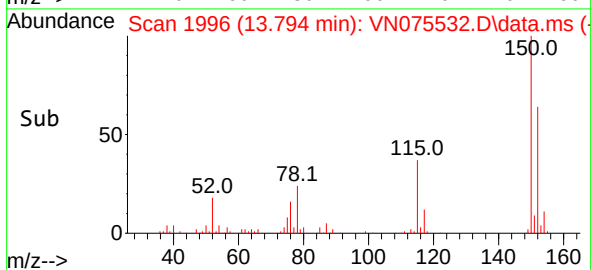
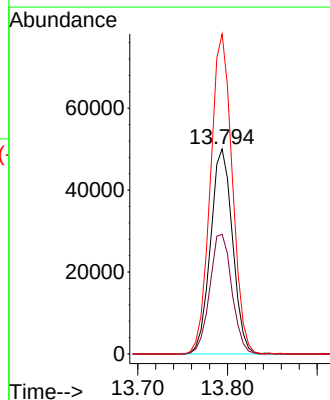
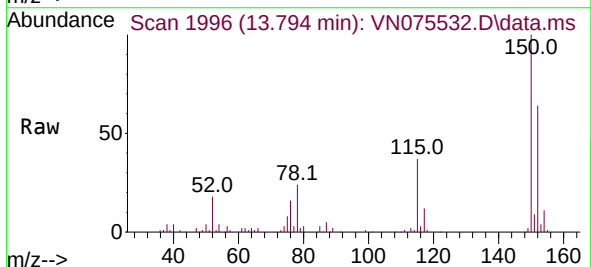
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

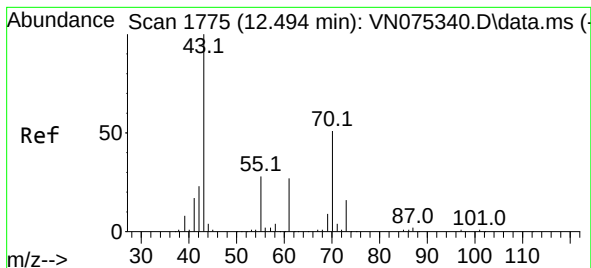
Tgt Ion:117 Resp: 205986
Ion Ratio Lower Upper
117 100
82 52.2 43.1 64.7
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion:152 Resp: 85054
Ion Ratio Lower Upper
152 100
115 58.9 30.2 90.6
150 154.9 0.0 348.4





#74

N-amy1 acetate

Concen: 0.824 ug/l

RT: 12.306 min Scan# 1

Delta R.T. -0.188 min

Lab File: VN075532.D

Acq: 02 Dec 2022 15:17

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-1

Tgt Ion: 43 Resp: 1575

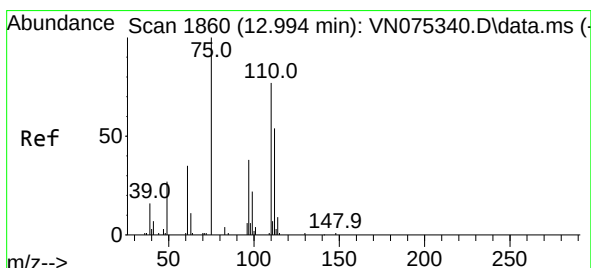
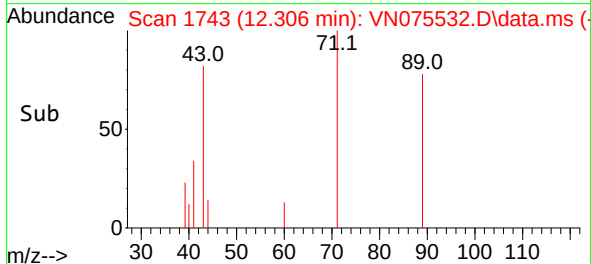
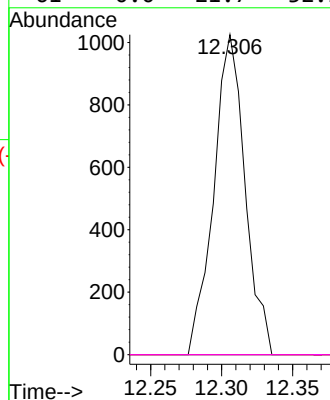
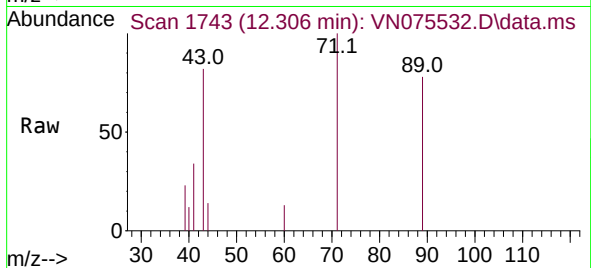
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 23.439 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075532.D

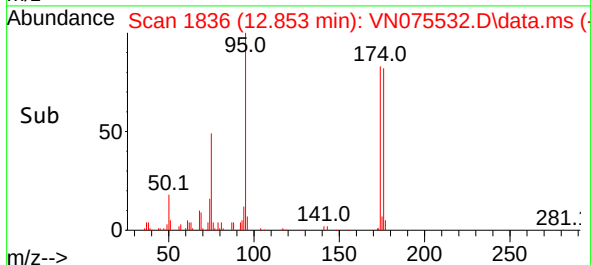
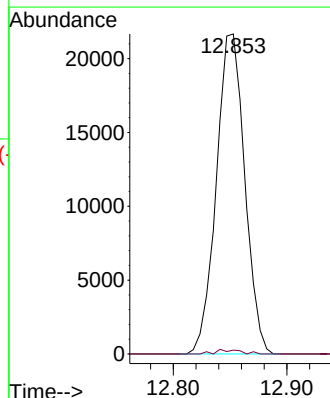
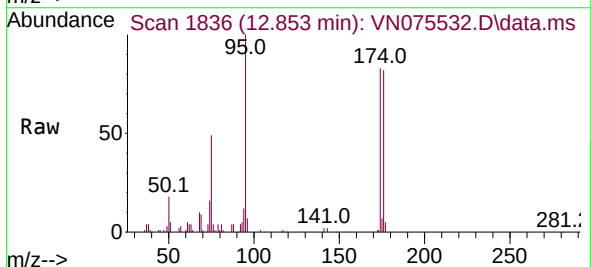
Acq: 02 Dec 2022 15:17

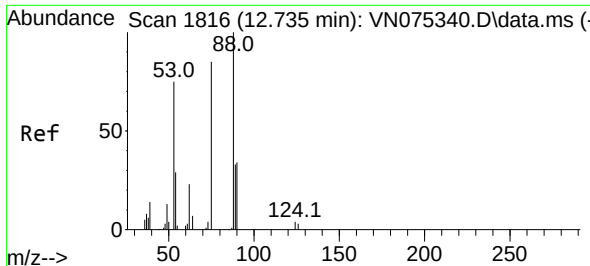
Tgt Ion: 75 Resp: 37693

Ion Ratio Lower Upper

75 100

77 1.2 75.6 226.8#

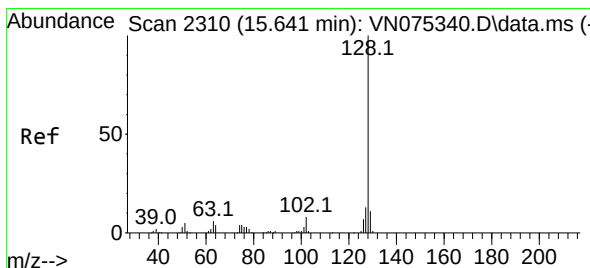
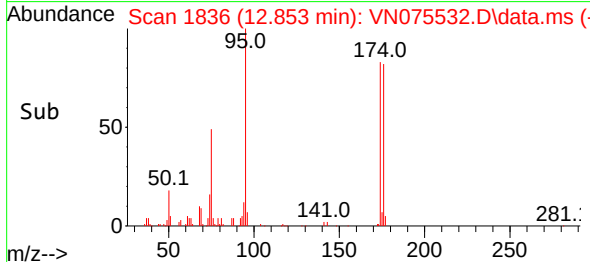
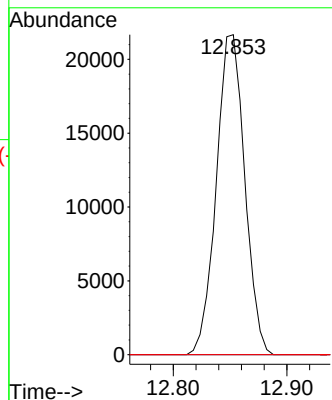
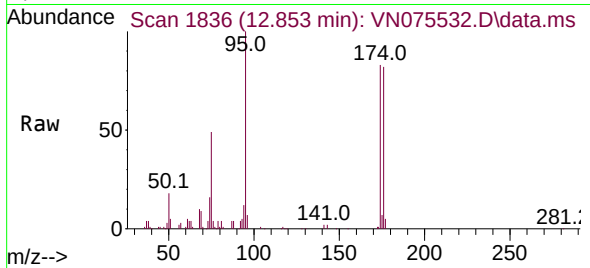




#81
trans-1,4-Dichloro-2-butene
Concen: 69.350 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

Tgt Ion: 75 Resp: 37693
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.217 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075532.D
Acq: 02 Dec 2022 15:17

Tgt Ion:128 Resp: 992
Ion Ratio Lower Upper
128 100
127 5.3 10.4 15.6#
129 5.6 8.6 12.8#

