

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075896.D
 Acq On : 20 Dec 2022 14:11
 Operator : JC\MD
 Sample : N6129-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C3

Quant Time: Dec 21 01:28:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	417598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	656067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	572281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245810	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	207582	45.692	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.380%
35) Dibromofluoromethane	8.177	113	191344	47.095	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.200%
50) Toluene-d8	10.571	98	761047	50.099	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.200%
62) 4-Bromofluorobenzene	12.853	95	247135	49.119	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.240%

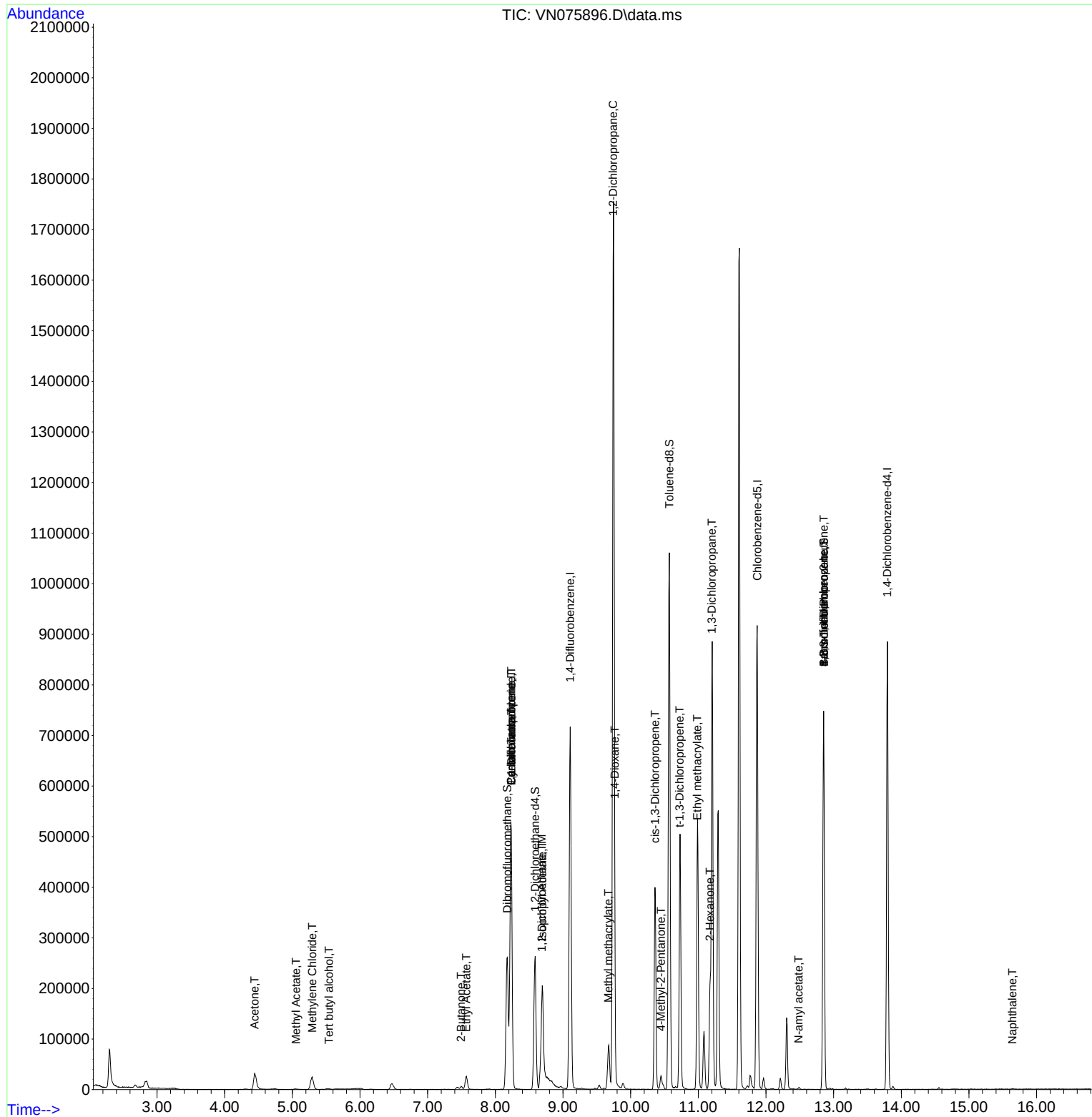
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.541	59	975	1.517	ug/l #	72
16) Acetone	4.442	43	60382	38.556	ug/l	100
18) Methyl Acetate	5.053	43	1982	0.428	ug/l #	87
20) Methylene Chloride	5.294	84	21239	4.487	ug/l	95
25) 2-Butanone	7.494	43	8335	3.801	ug/l	100
31) Cyclohexane	8.235	56	7287	1.120	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	29777	5.517	ug/l #	50
37) Ethyl Acetate	7.571	43	37311	8.606	ug/l	99
38) Carbon Tetrachloride	8.235	117	40874	6.766	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1764	0.319	ug/l #	72
43) Isopropyl Acetate	8.694	43	251861	35.219	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	2338	0.577	ug/l #	43
48) Methyl methacrylate	9.671	41	4998	1.552	ug/l #	35
49) 1,4-Dioxane	9.765	88	124	1.566	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	24547	5.676	ug/l #	79
53) t-1,3-Dichloropropene	10.723	75	1323	0.229	ug/l #	55
54) cis-1,3-Dichloropropene	10.359	75	77694	12.265	ug/l #	62
56) Ethyl methacrylate	10.982	69	1408	0.249	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	10576	1.515	ug/l #	42
59) 2-Hexanone	11.171	43	151208	47.942	ug/l #	20
71) Bromoform	12.853	173	1976	0.624	ug/l #	1
74) N-amyl acetate	12.482	43	1334	0.256	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	124548	25.136	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	124548	90.478	ug/l #	12
95) Naphthalene	15.641	128	1797	2.306	ug/l #	77

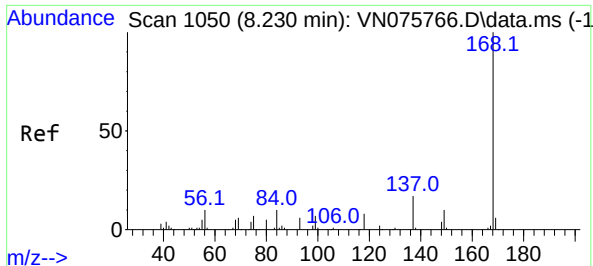
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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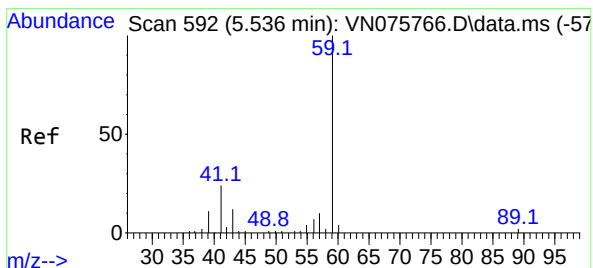
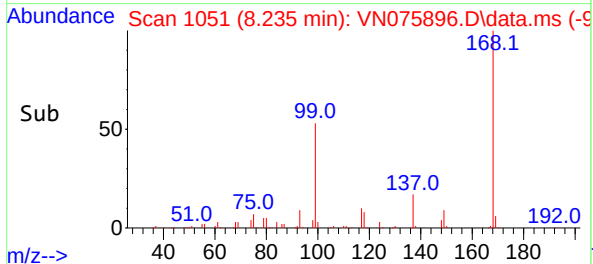
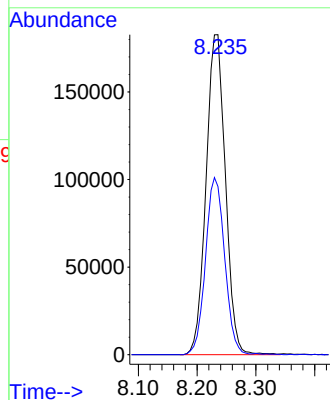
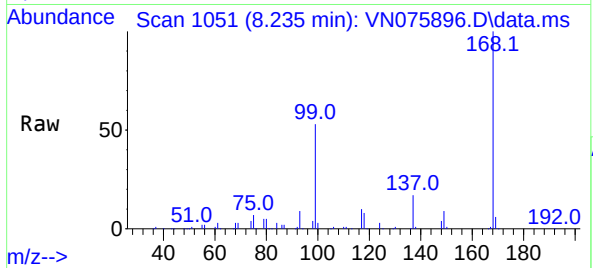




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

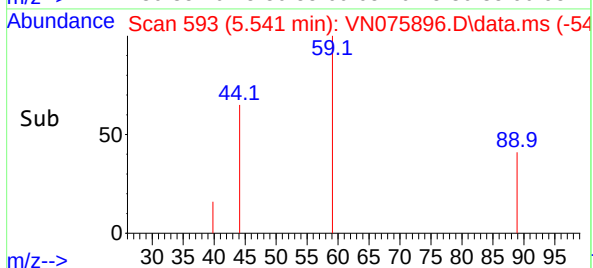
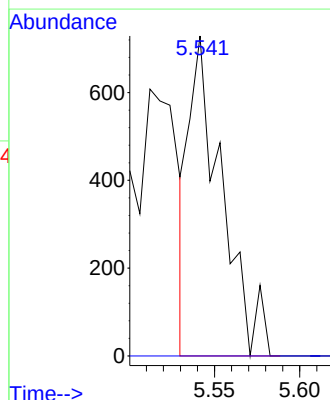
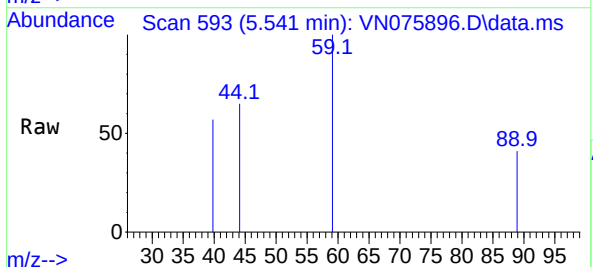
Instrument :
MSVOA_N
ClientSampleId :
C3

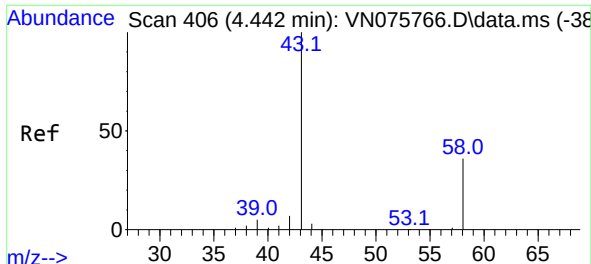
Tgt Ion:168 Resp: 417598
Ion Ratio Lower Upper
168 100
99 52.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.517 ug/l
RT: 5.541 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 59 Resp: 975
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

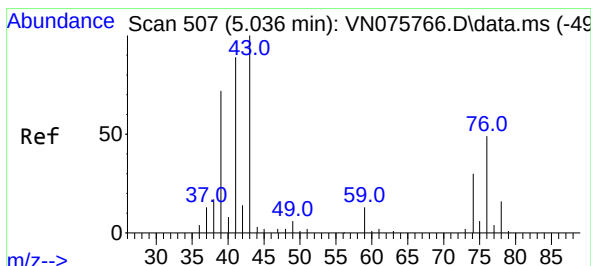
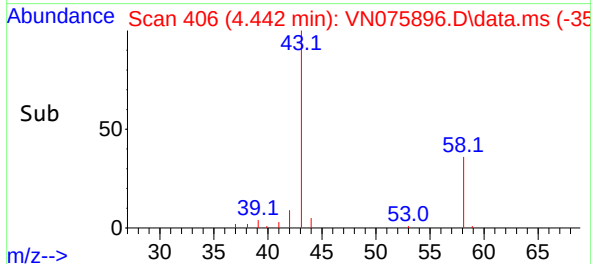
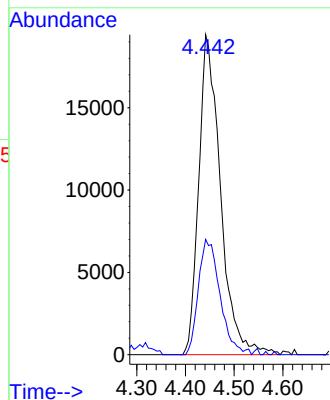
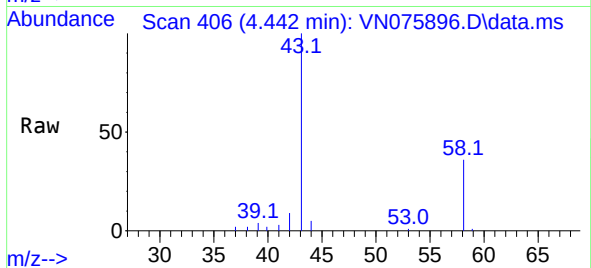




#16
Acetone
Concen: 38.556 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

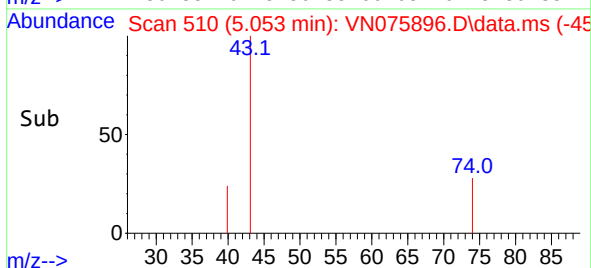
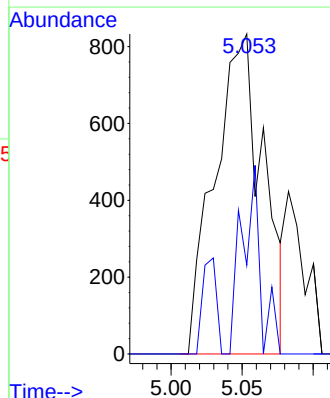
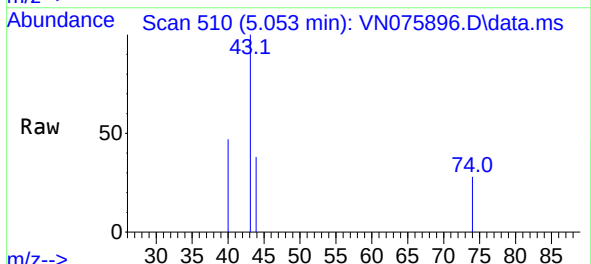
Instrument :
MSVOA_N
ClientSampleId :
C3

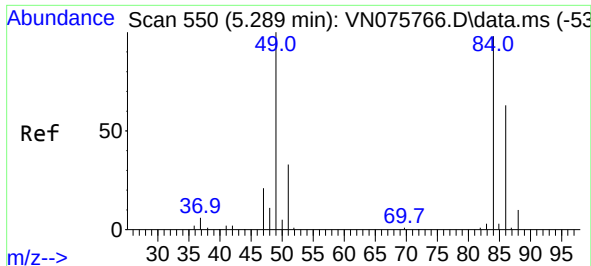
Tgt Ion: 43 Resp: 60382
Ion Ratio Lower Upper
43 100
58 36.0 28.6 43.0



#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 43 Resp: 1982
Ion Ratio Lower Upper
43 100
74 22.6 23.6 35.4#



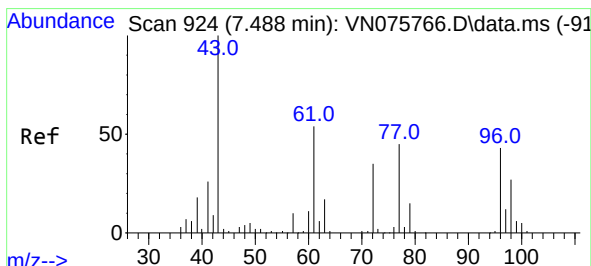
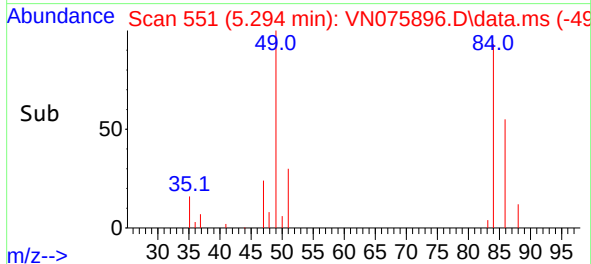
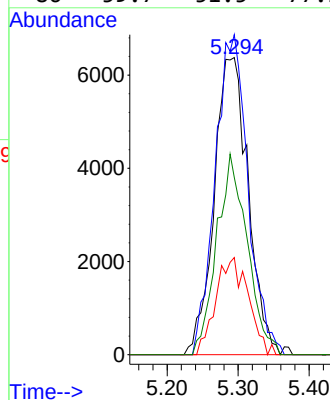
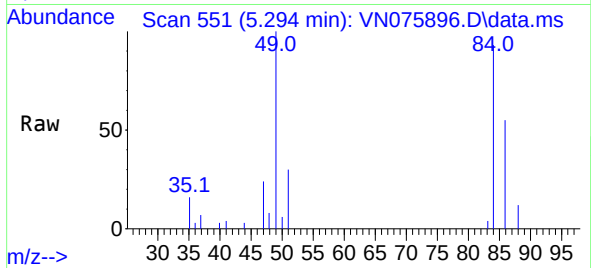


#20
Methylene Chloride
Concen: 4.487 ug/l
RT: 5.294 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Instrument :
MSVOA_N
ClientSampleId :
C3

Tgt Ion: 84 Resp: 21239

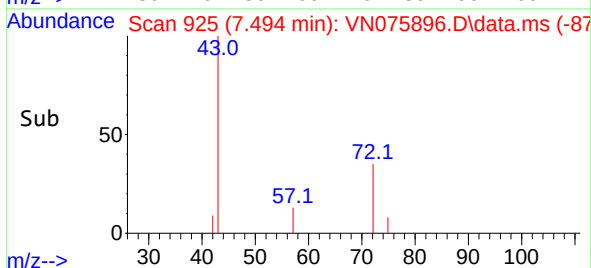
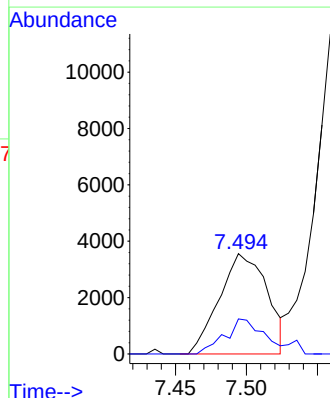
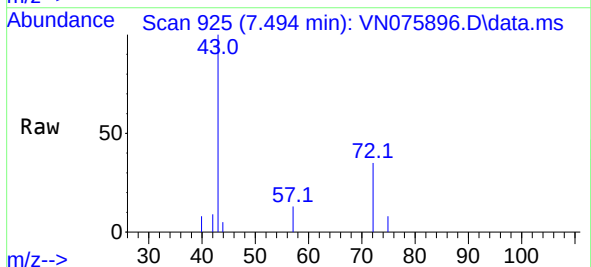
Ion	Ratio	Lower	Upper
84	100		
49	107.7	81.8	122.6
51	32.7	26.7	40.1
86	59.7	51.5	77.3

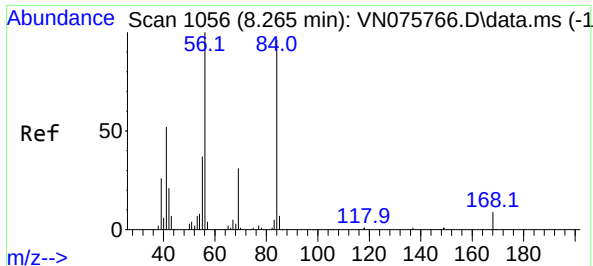


#25
2-Butanone
Concen: 3.801 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 43 Resp: 8335

Ion	Ratio	Lower	Upper
43	100		
72	34.9	28.0	42.0

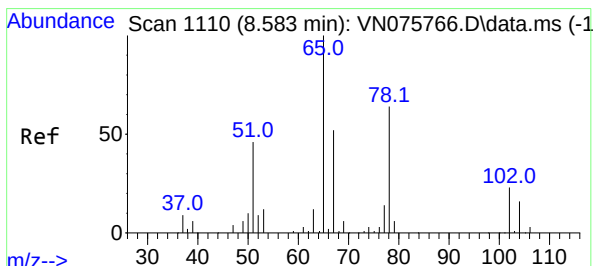
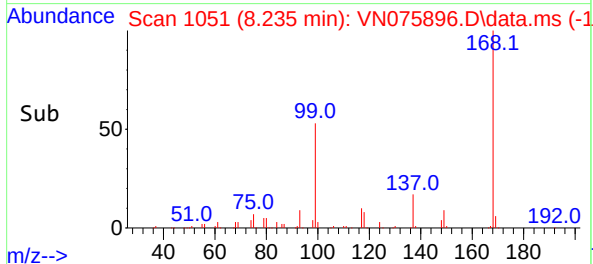
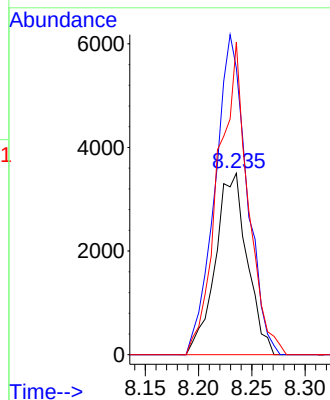
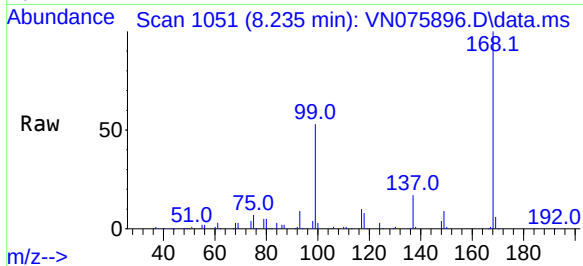




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.235 min Scan# 1056
Delta R.T. -0.030 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

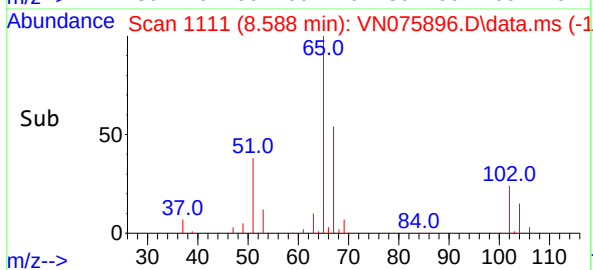
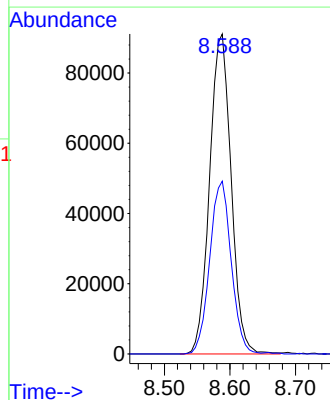
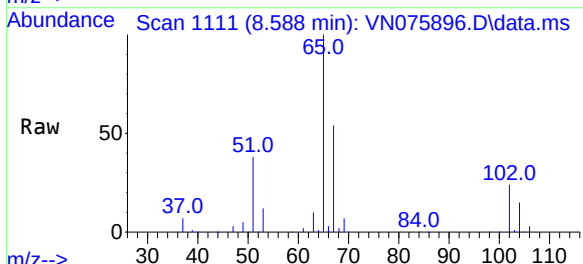
Instrument :
MSVOA_N
ClientSampleId :
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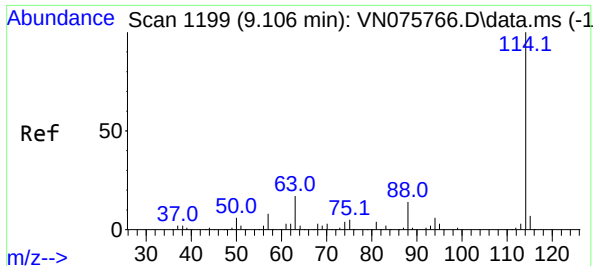
Tgt Ion: 56 Resp: 7287
Ion Ratio Lower Upper
56 100
69 158.0 24.7 37.1#
84 172.3 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 45.692 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 65 Resp: 207582
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075896.D

Acq: 20 Dec 2022 14:11

Instrument :

MSVOA_N

ClientSampleId :

C3

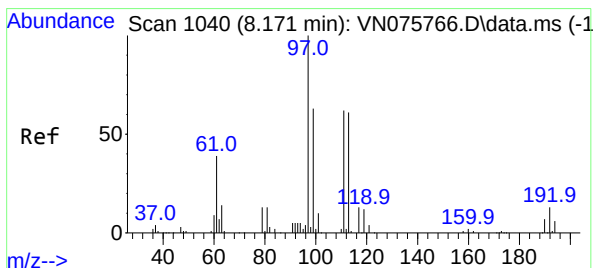
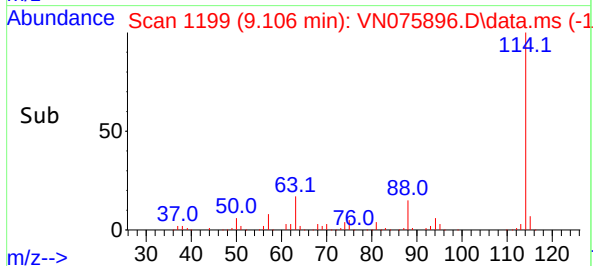
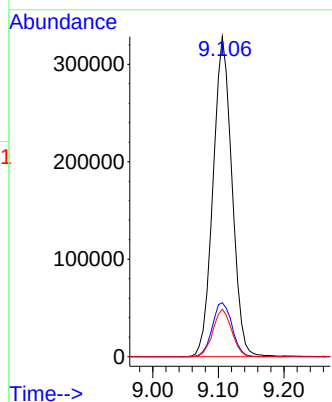
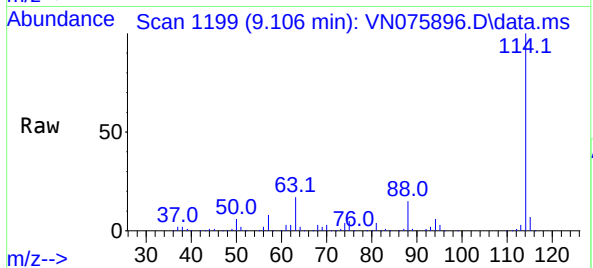
Tgt Ion:114 Resp: 656067

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.4

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.095 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075896.D

Acq: 20 Dec 2022 14:11

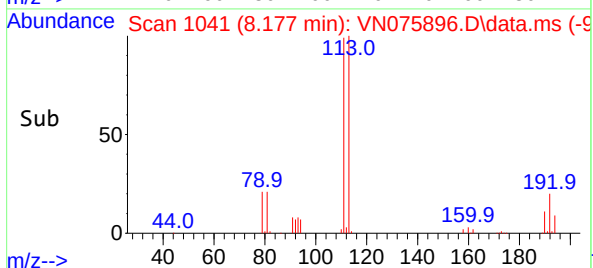
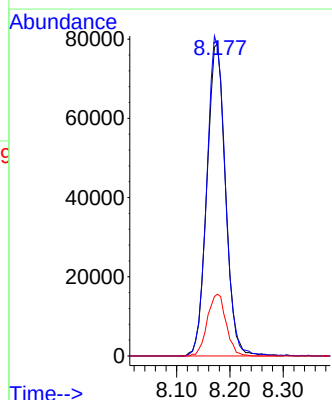
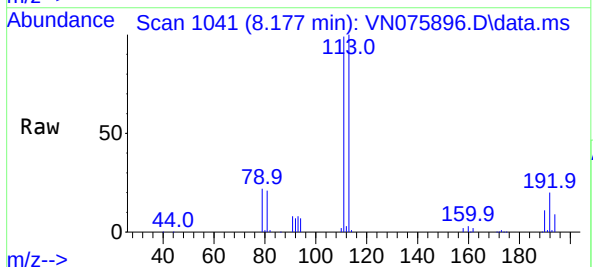
Tgt Ion:113 Resp: 191344

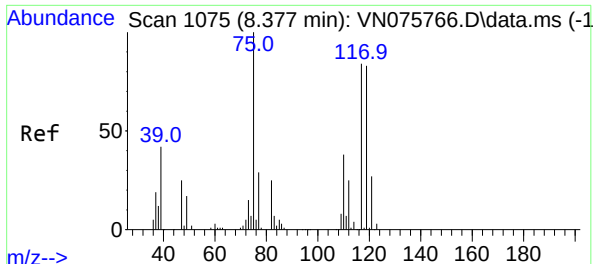
Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

192 19.9 16.1 24.1

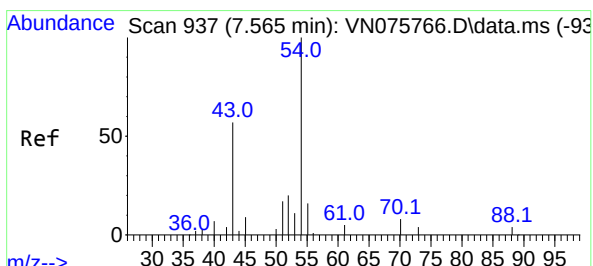
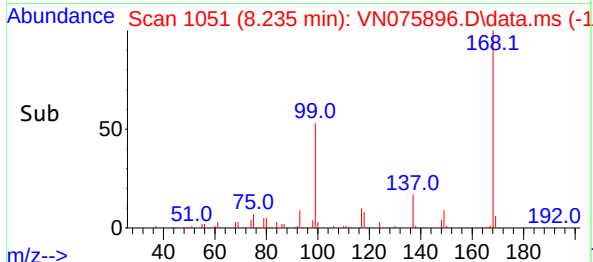
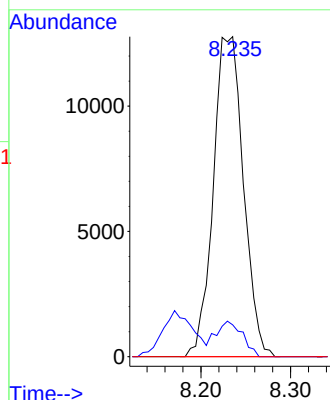
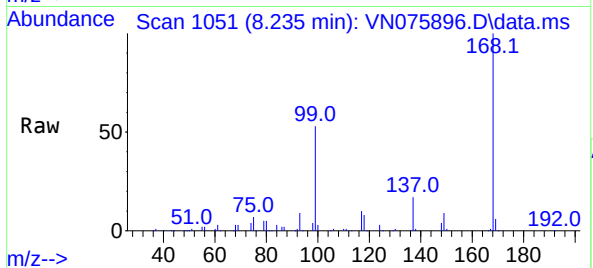




#36
1,1-Dichloropropene
Concen: 5.517 ug/l
RT: 8.235 min Scan# 1075
Delta R.T. -0.141 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

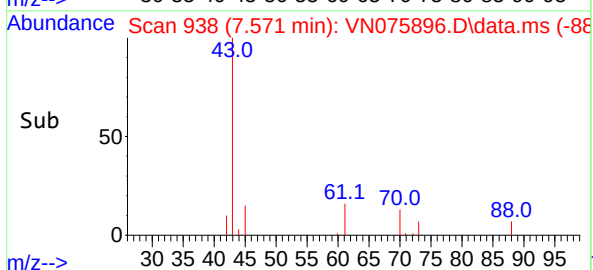
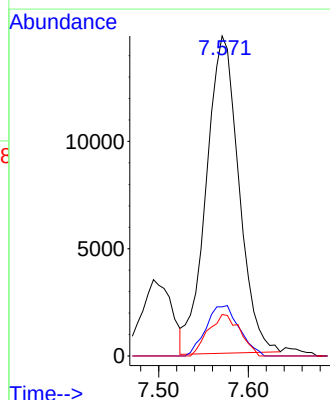
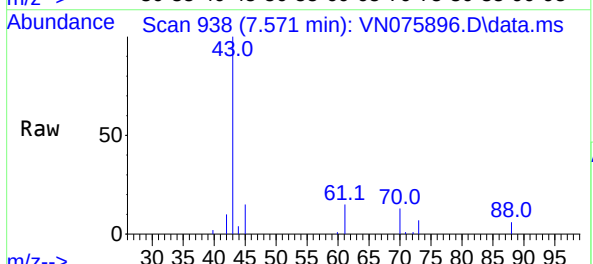
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MSVOA_N
ClientSampleId :
C3

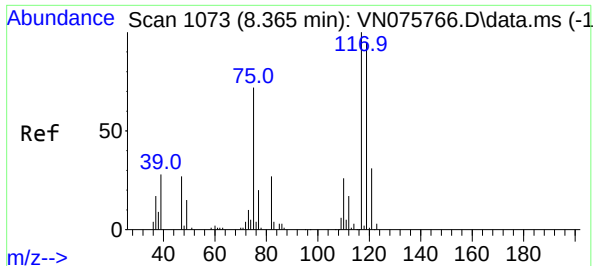
Tgt Ion: 75 Resp: 29777
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 8.606 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

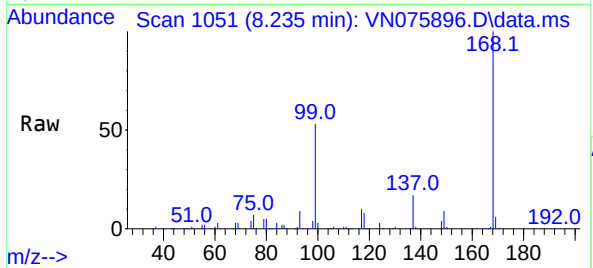
Tgt Ion: 43 Resp: 37311
Ion Ratio Lower Upper
43 100
61 16.2 13.0 19.4
70 12.7 9.4 14.0



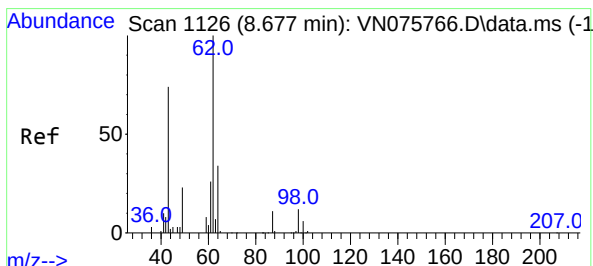
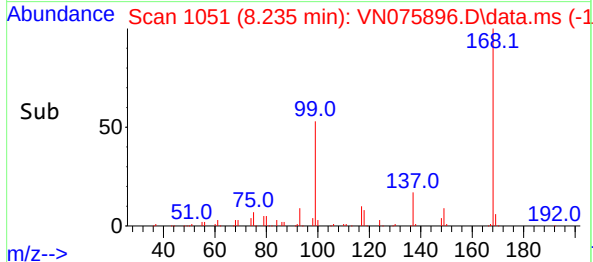
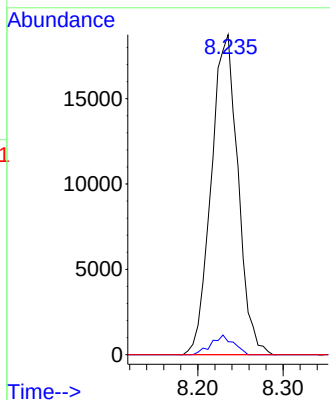


#38
Carbon Tetrachloride
Concen: 6.766 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Instrument :
MSVOA_N
ClientSampleId :
C3

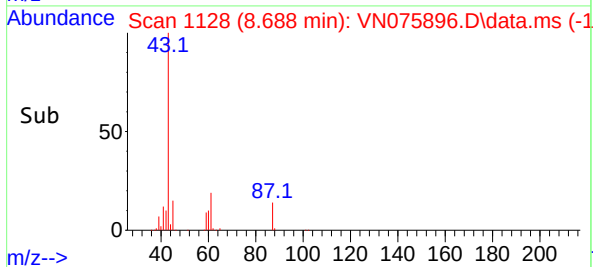
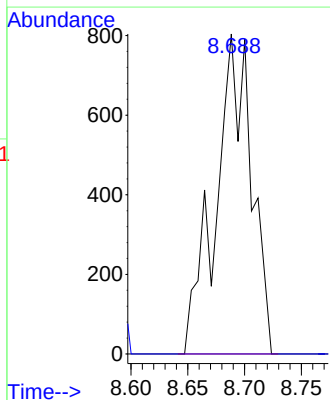
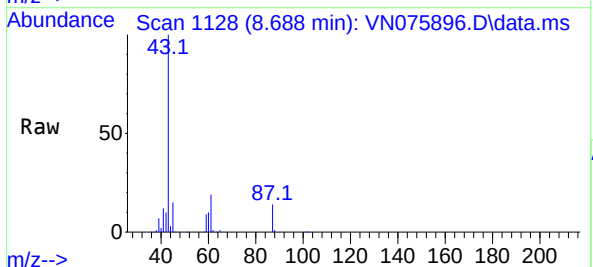


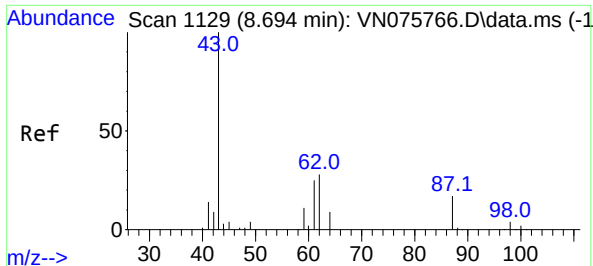
Tgt Ion:117 Resp: 40874
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.319 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 62 Resp: 1764
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

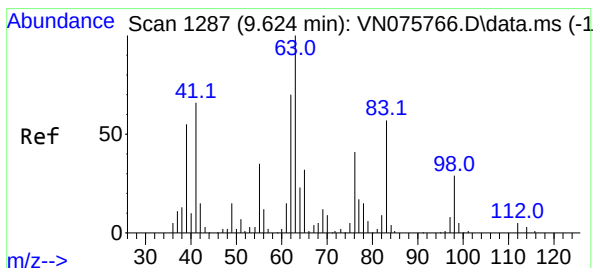
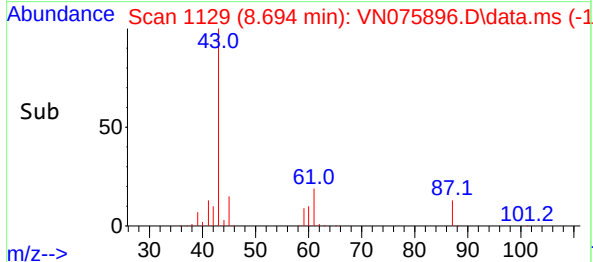
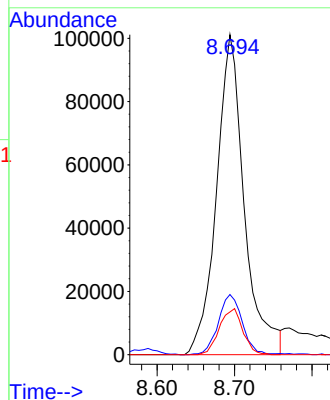
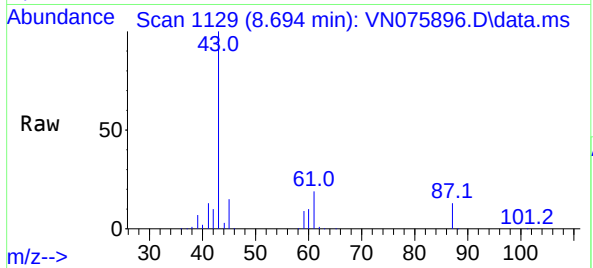




#43
Isopropyl Acetate
Concen: 35.219 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

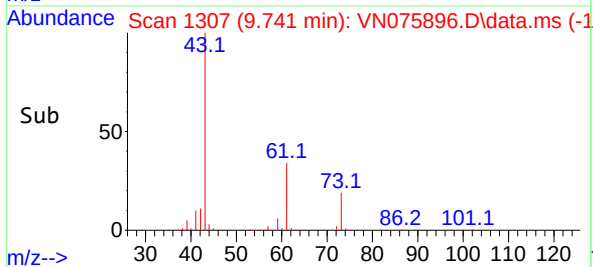
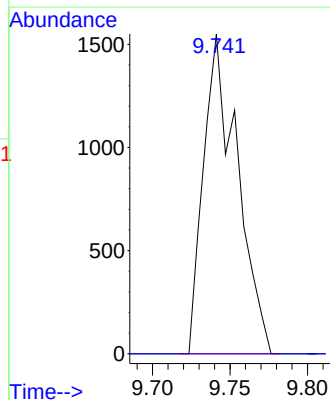
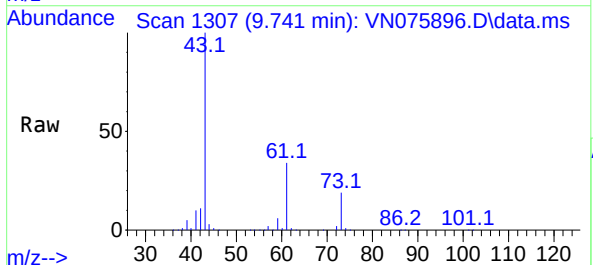
Instrument :
MSVOA_N
ClientSampleId :
C3

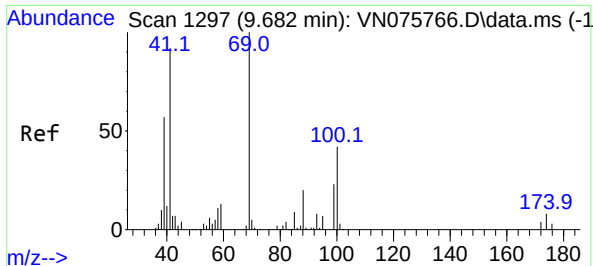
Tgt Ion: 43 Resp: 251861
Ion Ratio Lower Upper
43 100
61 16.3 24.2 36.4#
87 12.1 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.577 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 63 Resp: 2338
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

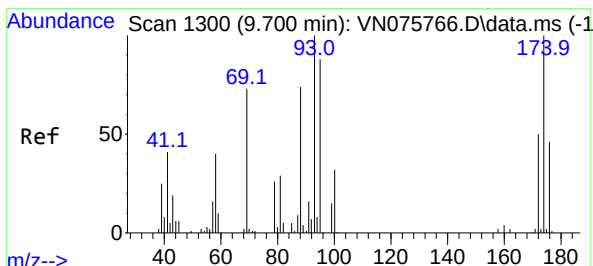
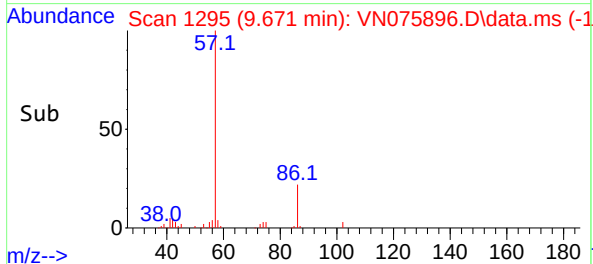
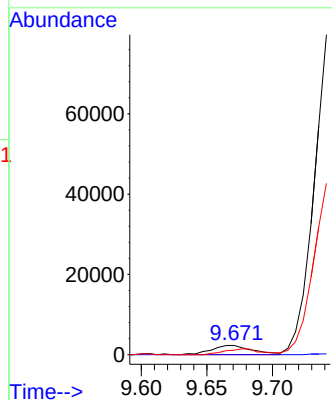
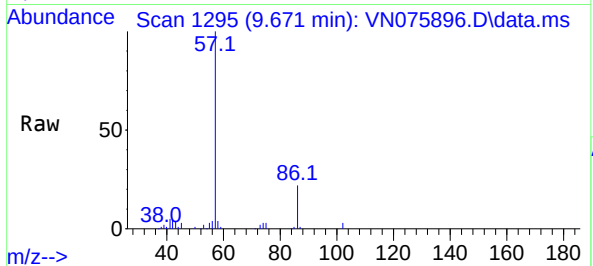




#48
Methyl methacrylate
Concen: 1.552 ug/l
RT: 9.671 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

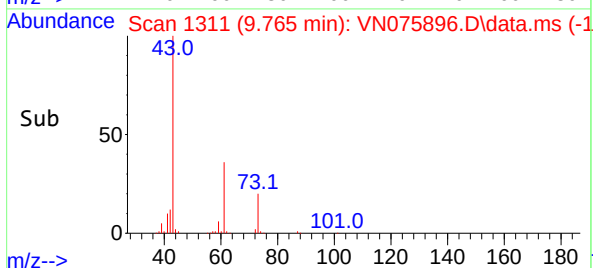
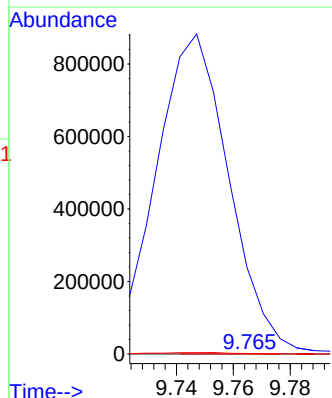
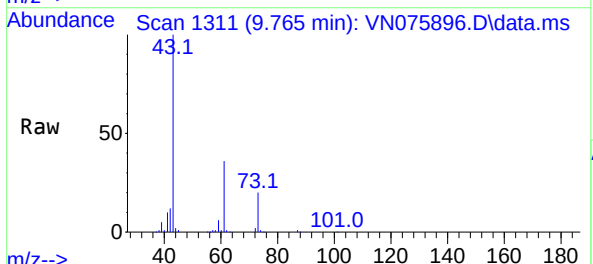
Instrument :
MSVOA_N
ClientSampleId :
C3

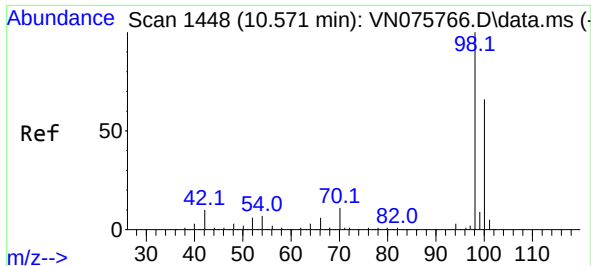
Tgt Ion: 41 Resp: 4998
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 57.5 51.6 77.4



#49
1,4-Dioxane
Concen: 1.566 ug/l
RT: 9.765 min Scan# 1311
Delta R.T. 0.065 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 1291848.4 17.1 25.7#
58 6081.5 47.8 71.8#

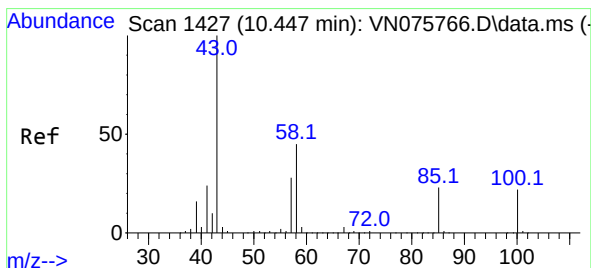
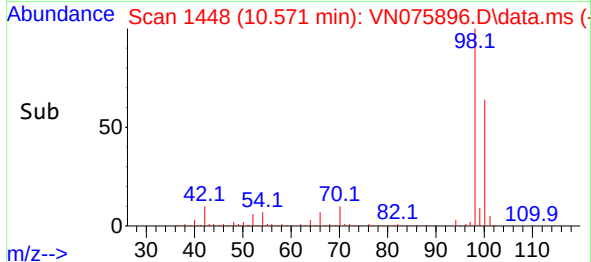
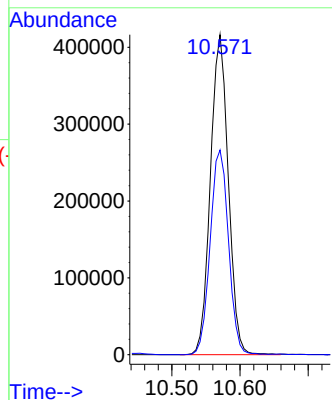
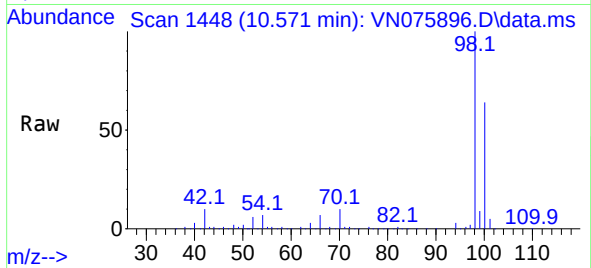




#50
Toluene-d8
Concen: 50.099 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

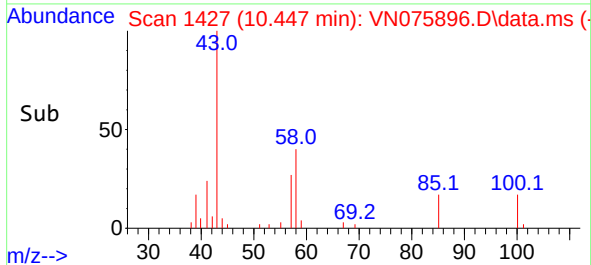
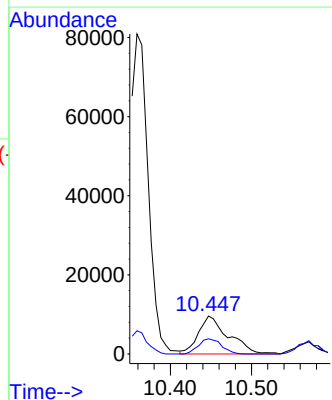
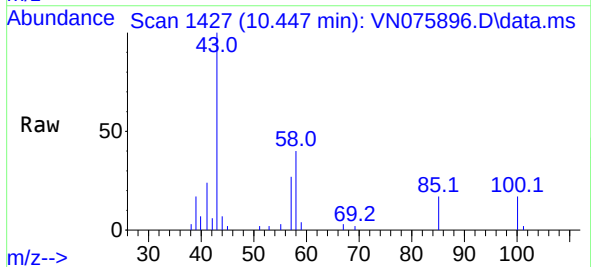
Instrument :
MSVOA_N
ClientSampleId :
C3

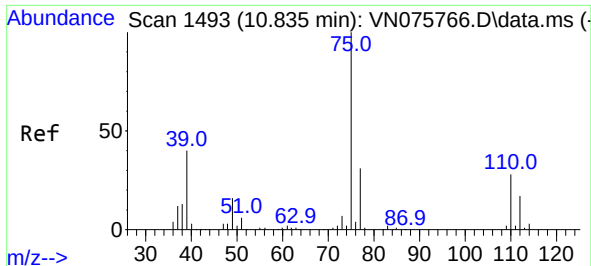
Tgt Ion: 98 Resp: 761047
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.676 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 43 Resp: 24547
Ion Ratio Lower Upper
43 100
58 30.6 35.5 53.3#

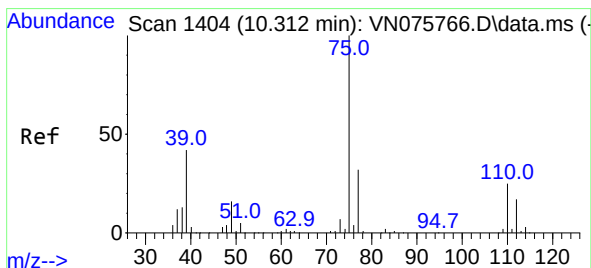
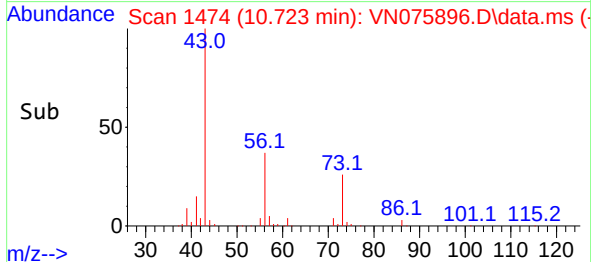
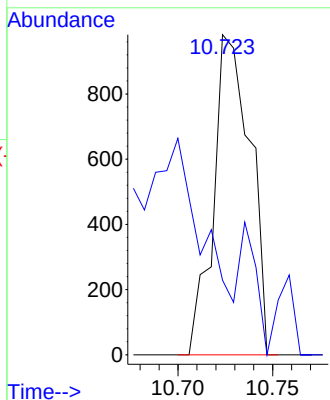
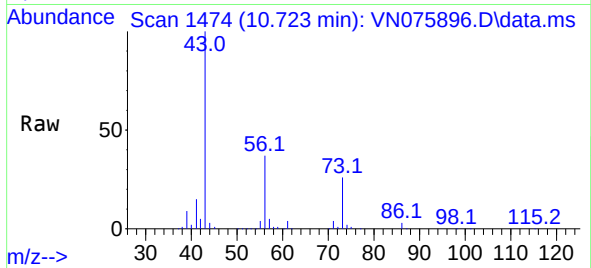




#53
t-1,3-Dichloropropene
Concen: 0.229 ug/l
RT: 10.723 min Scan# 1412
Delta R.T. -0.112 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

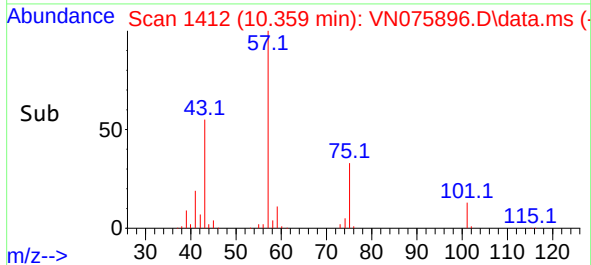
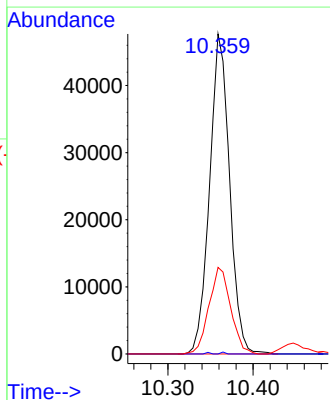
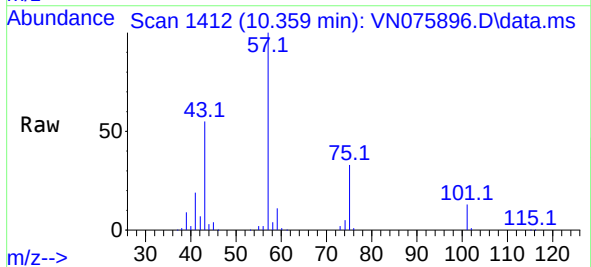
Instrument :
MSVOA_N
ClientSampleId :
C3

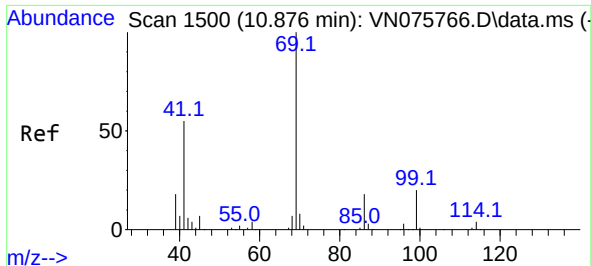
Tgt Ion: 75 Resp: 1323
Ion Ratio Lower Upper
75 100
77 6.2 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 12.265 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 75 Resp: 77694
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
39 27.1 33.4 50.2#

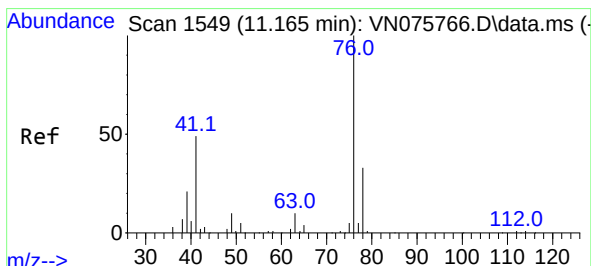
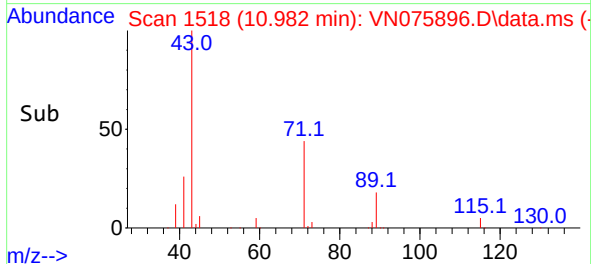
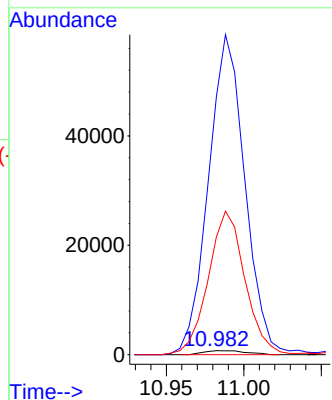
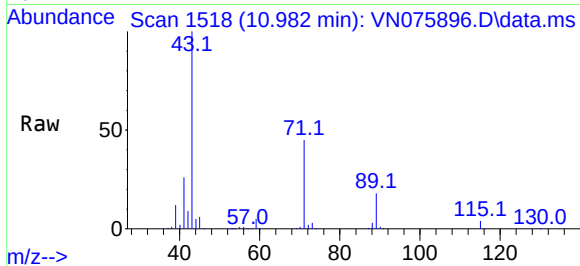




#56
Ethyl methacrylate
Concen: 0.249 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

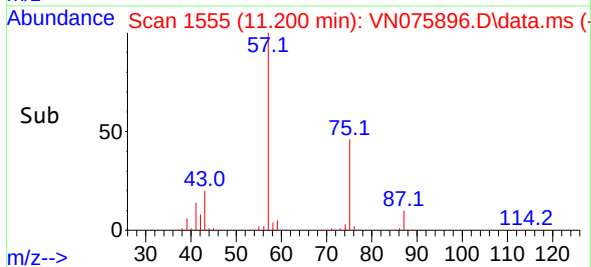
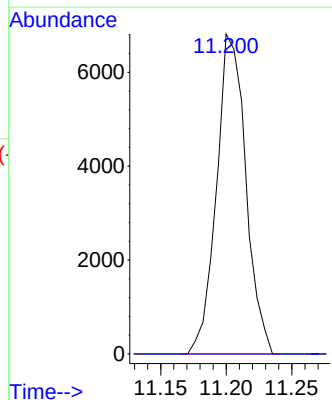
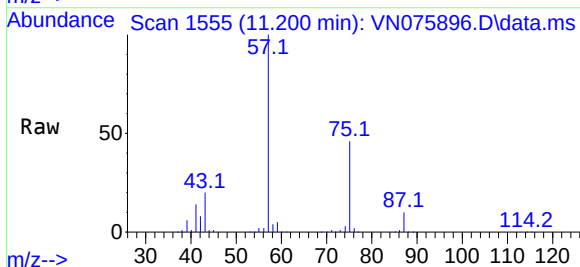
Instrument :
MSVOA_N
ClientSampleId :
C3

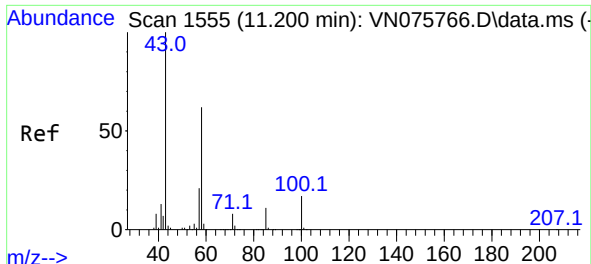
Tgt Ion: 69 Resp: 1408
Ion Ratio Lower Upper
69 100
41 6830.9 44.2 66.4#
39 3065.6 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.515 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 76 Resp: 10576
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

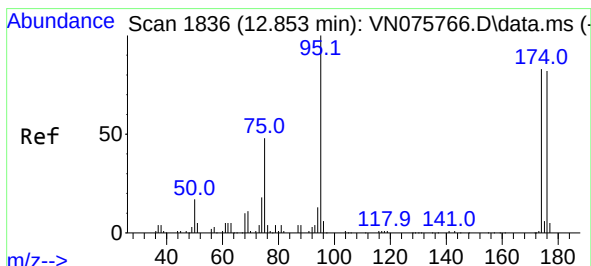
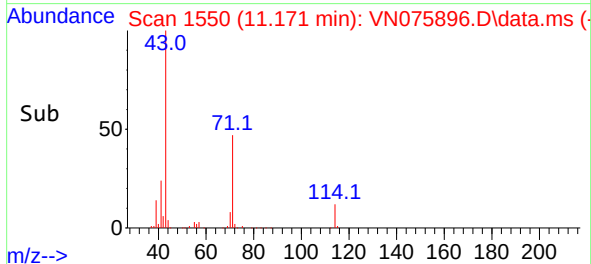
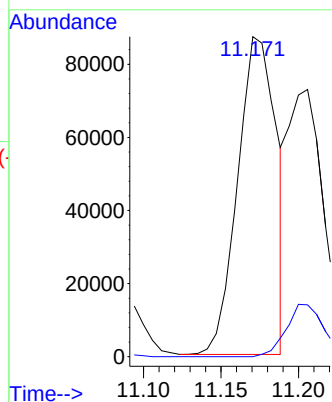
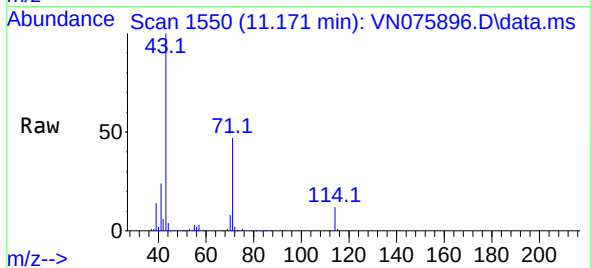




#59
2-Hexanone
Concen: 47.942 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.029 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

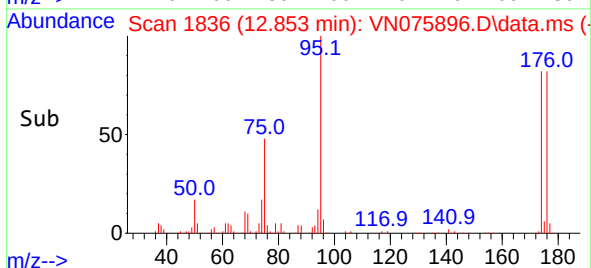
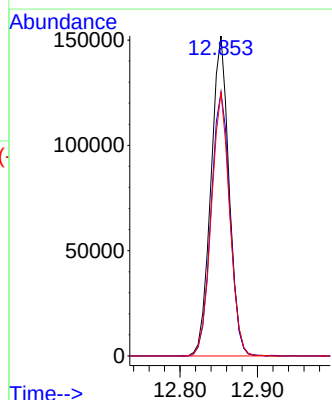
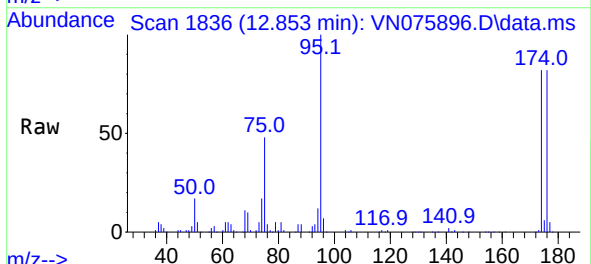
Instrument :
MSVOA_N
ClientSampleId :
C3

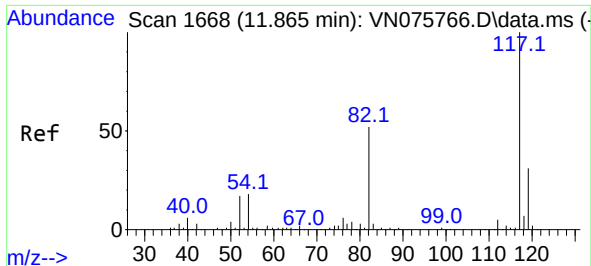
Tgt Ion: 43 Resp: 151208
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 49.119 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 95 Resp: 247135
Ion Ratio Lower Upper
95 100
174 85.5 0.0 171.6
176 83.2 0.0 169.2

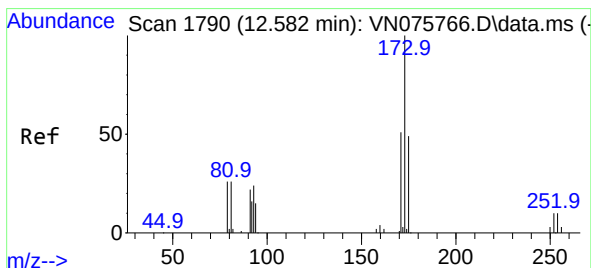
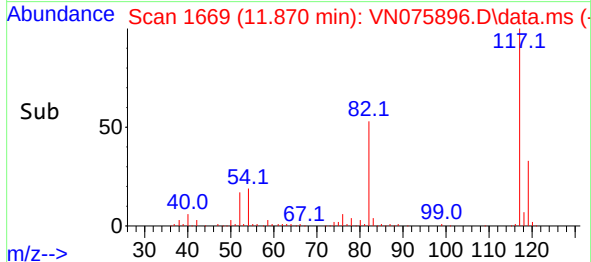
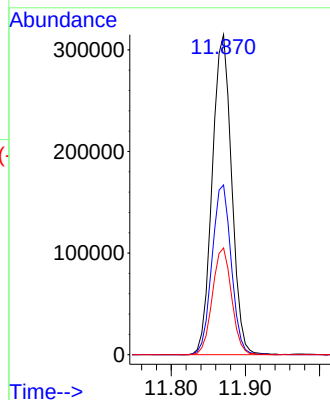
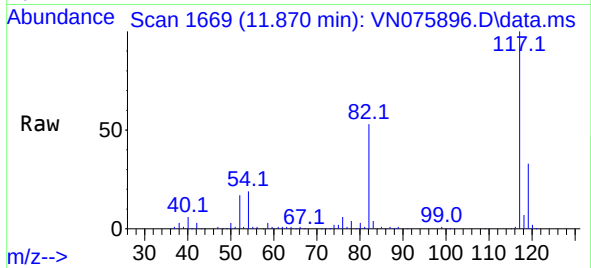




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

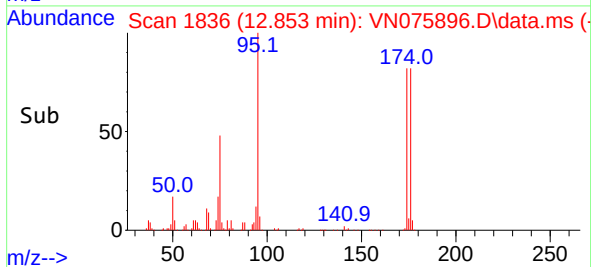
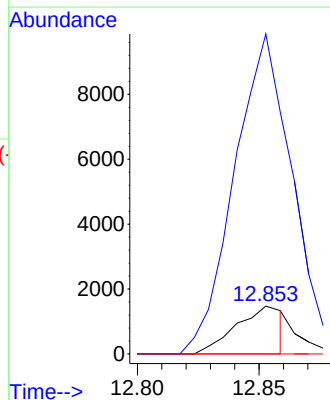
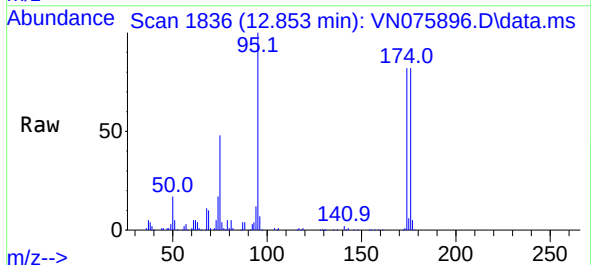
Instrument :
MSVOA_N
ClientSampleId :
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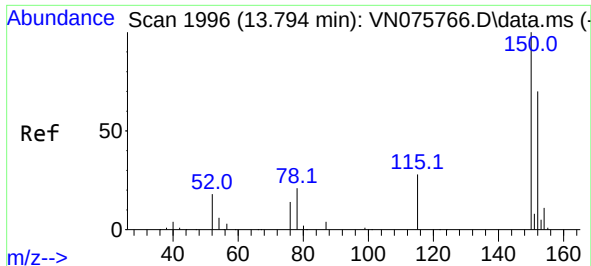
Tgt Ion:117 Resp: 572281
Ion Ratio Lower Upper
117 100
82 53.0 41.3 61.9
119 33.4 24.6 37.0



#71
Bromoform
Concen: 0.624 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion:173 Resp: 1976
Ion Ratio Lower Upper
173 100
175 661.9 24.3 72.8#
254 0.0 0.0 0.0

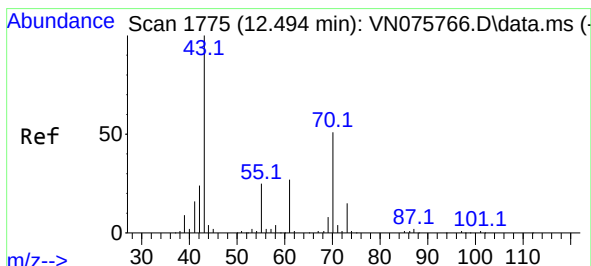
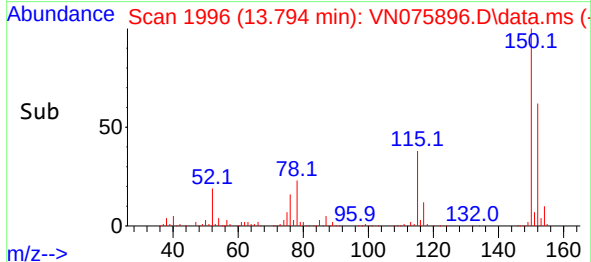
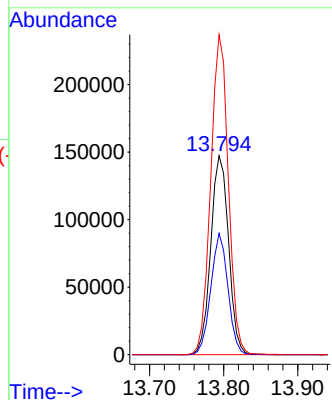
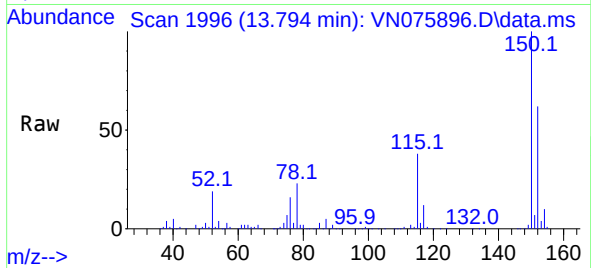




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

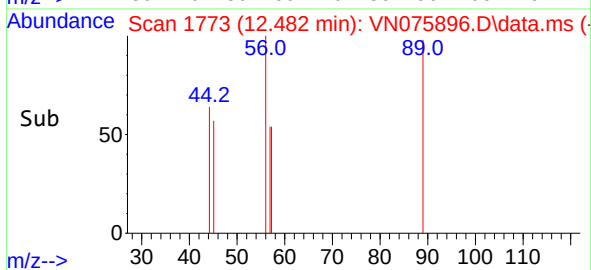
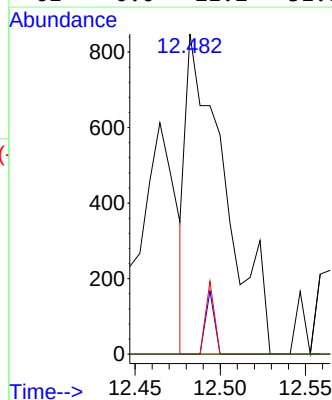
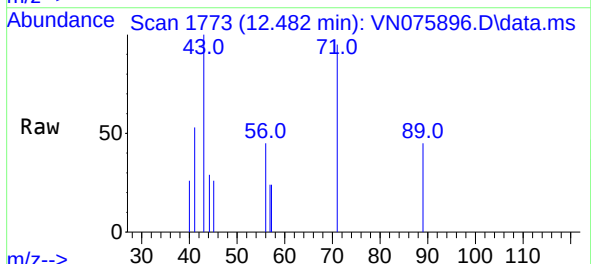
Instrument :
MSVOA_N
ClientSampleId :
C3

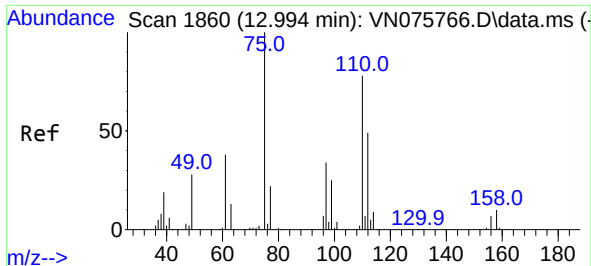
Tgt Ion:152 Resp: 245810
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.4
150 159.3 0.0 347.0



#74
N-ethyl acetate
Concen: 0.256 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
70 4.4 41.4 62.0#
55 5.1 21.3 31.9#
61 0.0 21.2 31.8#

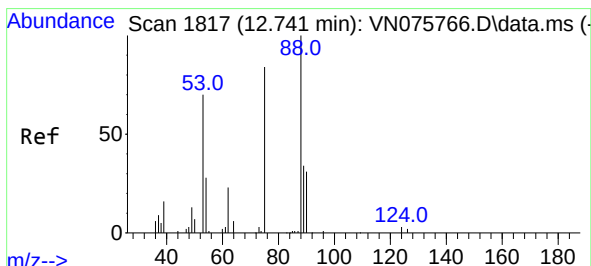
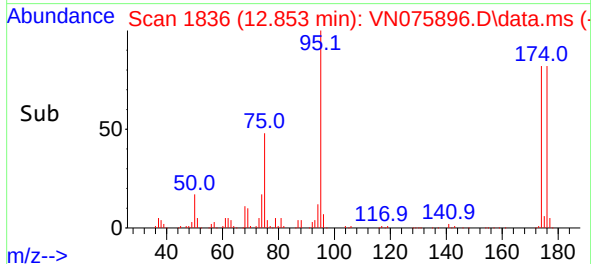
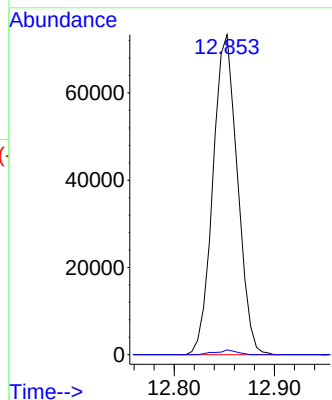
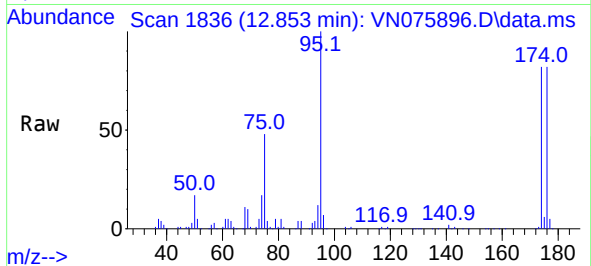




#76
1,2,3-Trichloropropane
Concen: 25.136 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

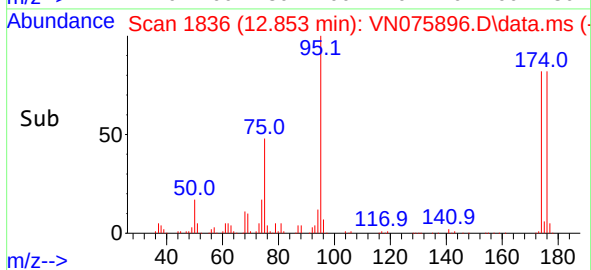
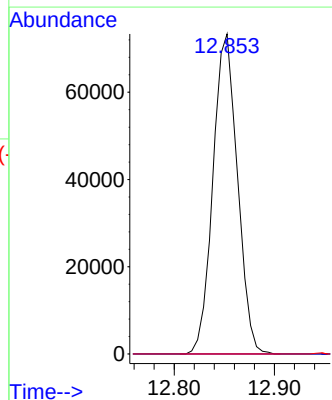
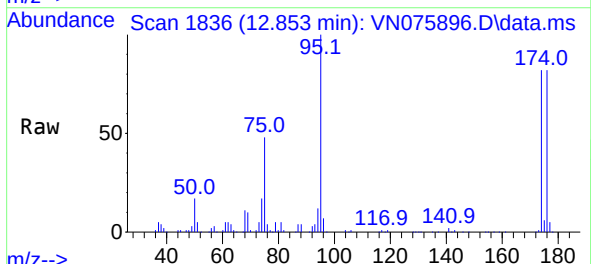
Instrument :
MSVOA_N
ClientSampleId :
C3

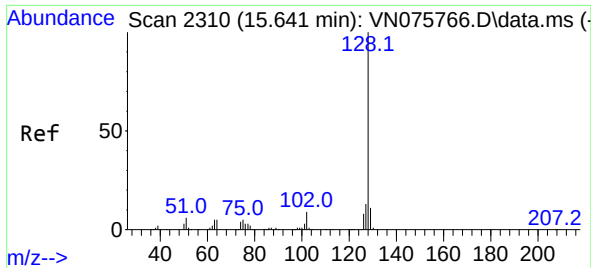
Tgt Ion: 75 Resp: 124548
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.478 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

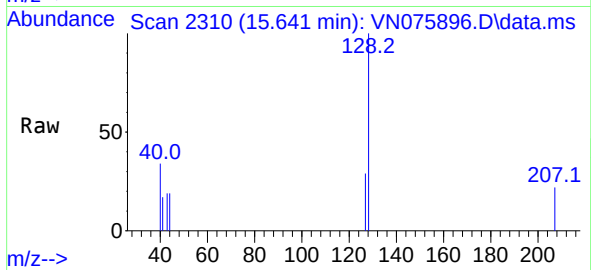
Tgt Ion: 75 Resp: 124548
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.306 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075896.D
Acq: 20 Dec 2022 14:11

Instrument :
MSVOA_N
ClientSampleId :
C3



Tgt Ion:128 Resp: 1797
Ion Ratio Lower Upper
128 100
127 5.7 10.4 15.6#
129 0.0 8.7 13.1#

