

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110722\
 Data File : VN075197.D
 Acq On : 07 Nov 2022 18:59
 Operator : JC\MD
 Sample : N5491-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Nov 08 01:13:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

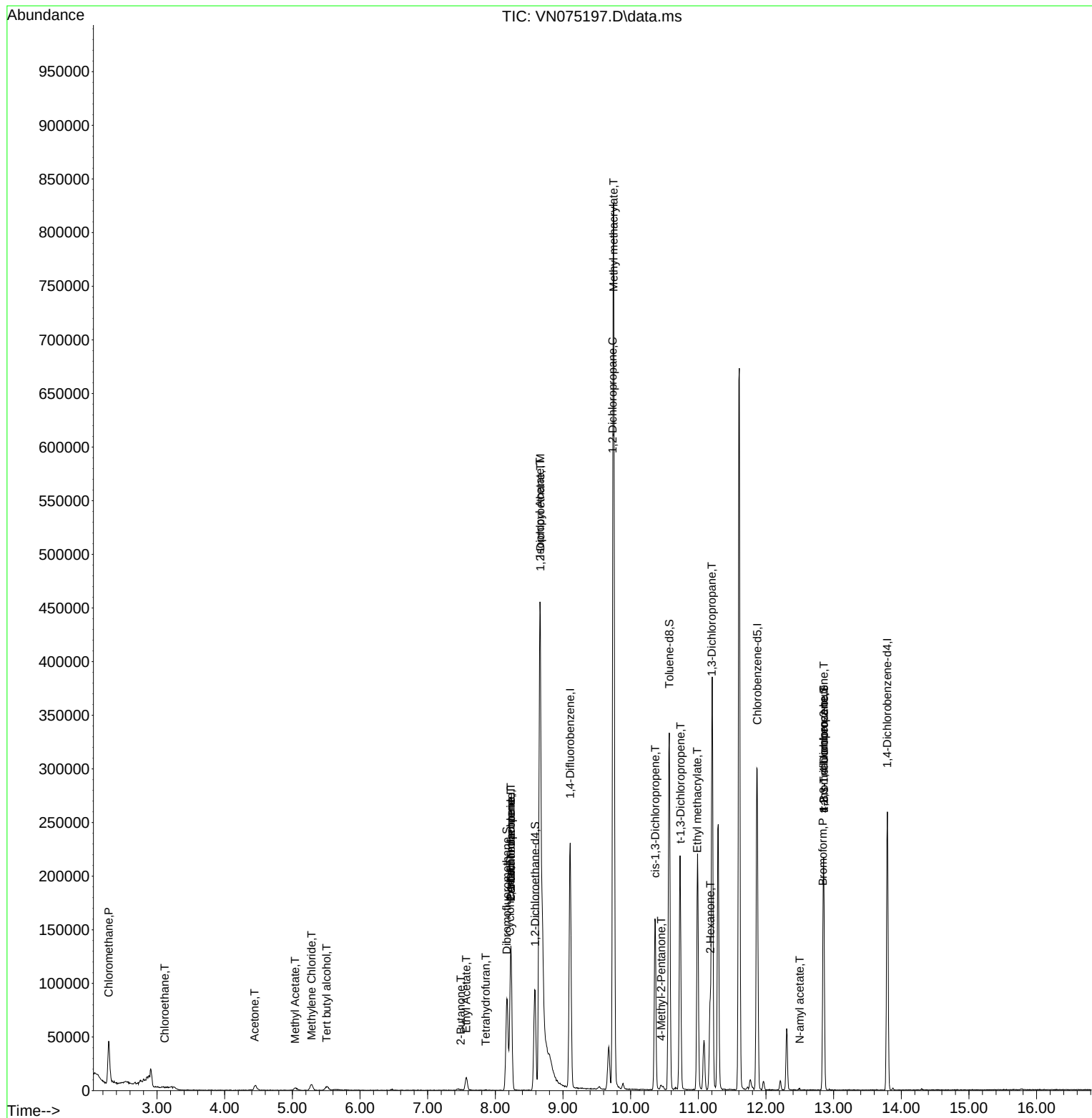
Internal Standards						
1) Pentafluorobenzene	8.229	168	93685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	197868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	176744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	77064	61.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.100%			
35) Dibromofluoromethane	8.171	113	62382	53.704	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.400%			
50) Toluene-d8	10.571	98	231682	51.409	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.853	95	75770	47.862	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.720%			
Target Compounds					Qvalue	
3) Chloromethane	2.283	50	1040	0.803	ug/l #	42
5) Bromomethane	2.912	94	224	Below Cal		82
6) Chloroethane	3.112	64	370	0.279	ug/l #	45
11) Tert butyl alcohol	5.506	59	3297	11.200	ug/l #	72
16) Acetone	4.441	43	9554	17.875	ug/l #	83
18) Methyl Acetate	5.041	43	4818	2.760	ug/l #	82
20) Methylene Chloride	5.283	84	4540	3.810	ug/l	98
25) 2-Butanone	7.488	43	1037	1.234	ug/l #	82
29) Tetrahydrofuran	7.859	42	416	0.766	ug/l #	26
31) Cyclohexane	8.218	56	2345	1.249	ug/l #	61
36) 1,1-Dichloropropene	8.229	75	8656	4.813	ug/l #	50
37) Ethyl Acetate	7.571	43	17645	8.947	ug/l #	92
38) Carbon Tetrachloride	8.229	117	10608	5.362	ug/l #	18
42) 1,2-Dichloroethane	8.665	62	1888	0.942	ug/l #	75
43) Isopropyl Acetate	8.659	43	534024	174.566	ug/l #	53
45) 1,2-Dichloropropane	9.735	63	1085	0.828	ug/l #	42
48) Methyl methacrylate	9.747	41	73730	52.541	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	5344	2.707	ug/l #	67
53) t-1,3-Dichloropropene	10.735	75	466	0.223	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	29682	13.411	ug/l #	63
56) Ethyl methacrylate	10.982	69	916	0.411	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4446	1.829	ug/l #	42
59) 2-Hexanone	11.176	43	59900	39.980	ug/l #	21
71) Bromoform	12.841	173	424	0.405	ug/l #	1
74) N-amyl acetate	12.500	43	726	0.359	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	40416	27.952	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	40416	71.753	ug/l #	10

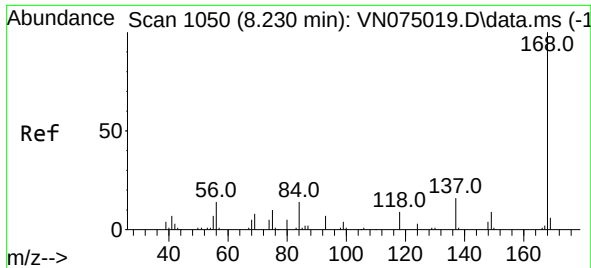
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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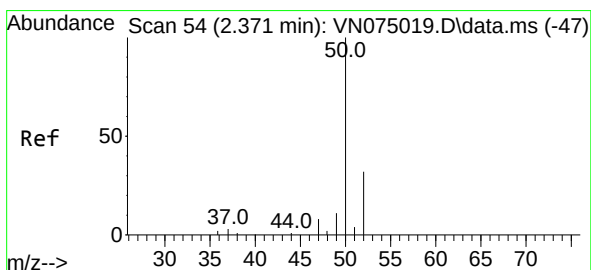
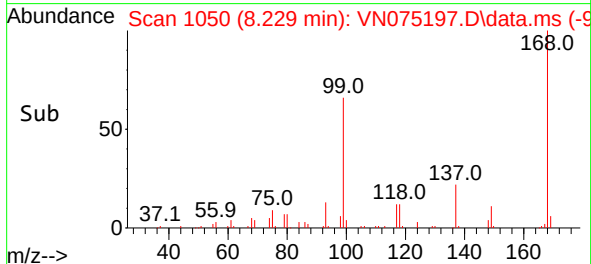
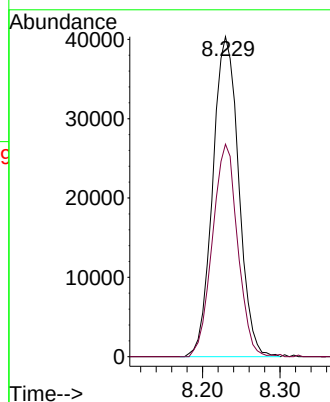
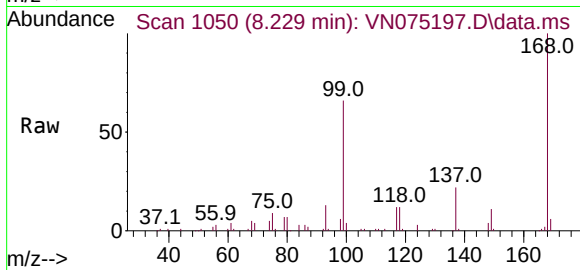




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

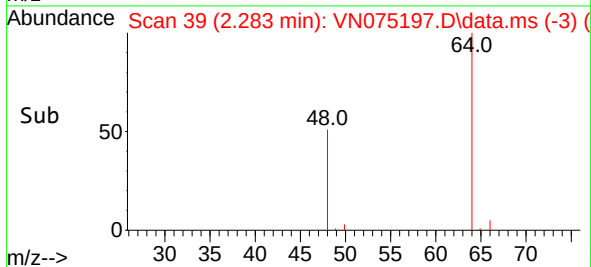
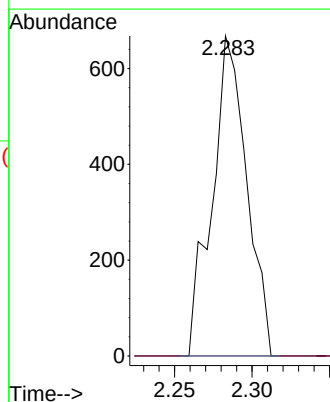
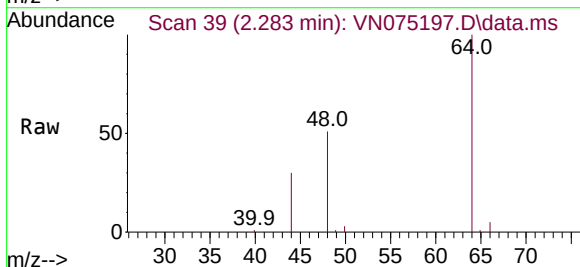
Instrument :
MSVOA_N
ClientSampleId :
TP-3

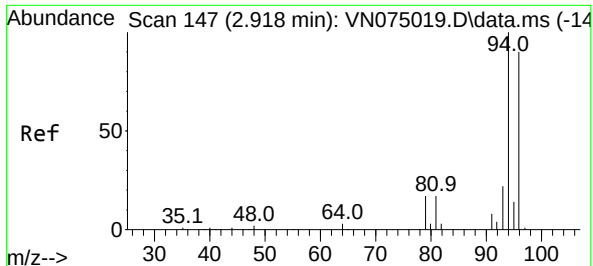
Tgt Ion:168 Resp: 93685
Ion Ratio Lower Upper
168 100
99 66.4 51.6 77.4



#3
Chloromethane
Concen: 0.803 ug/l
RT: 2.283 min Scan# 39
Delta R.T. -0.088 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 50 Resp: 1040
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

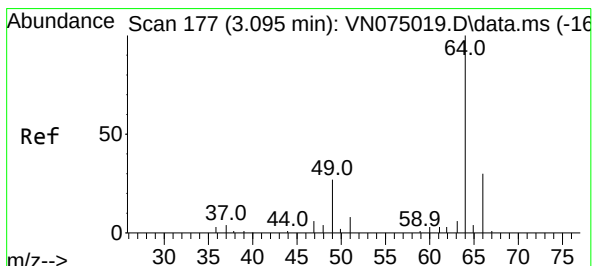
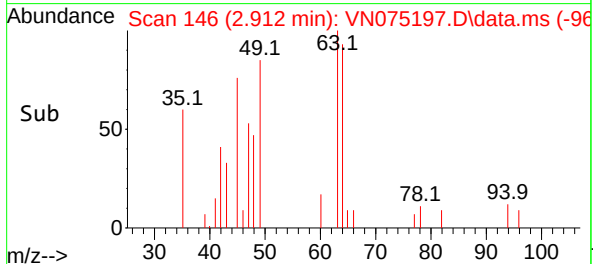
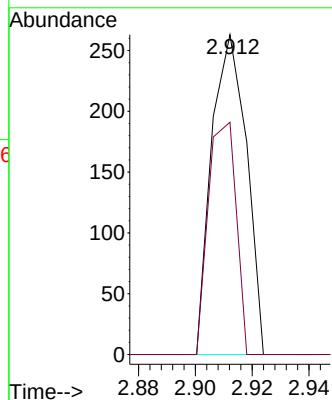
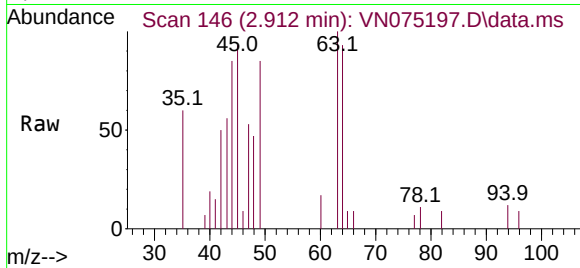




#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

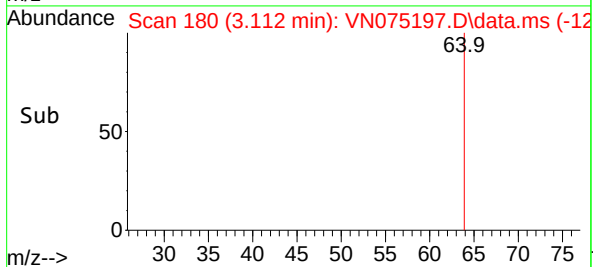
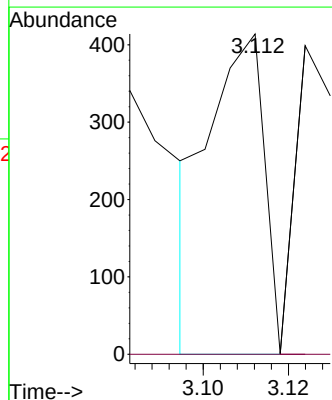
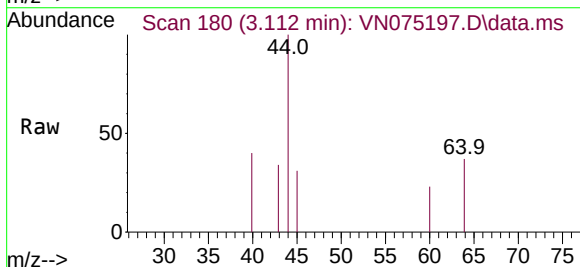
Instrument :
MSVOA_N
ClientSampleId :
TP-3

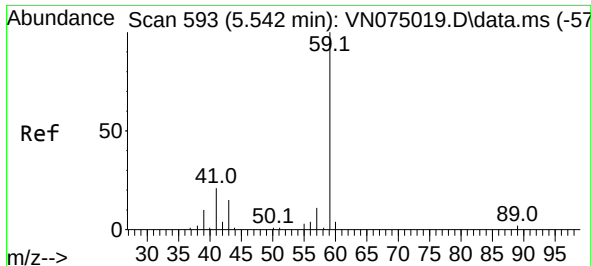
Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 72.6 71.8 107.6



#6
Chloroethane
Concen: 0.279 ug/l
RT: 3.112 min Scan# 180
Delta R.T. 0.017 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 64 Resp: 370
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

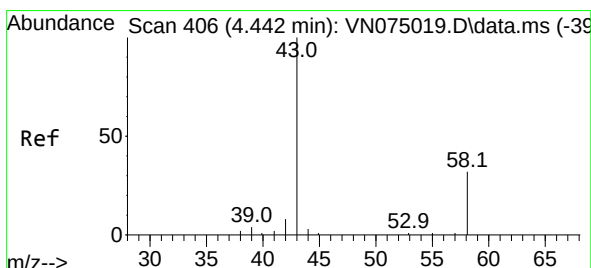
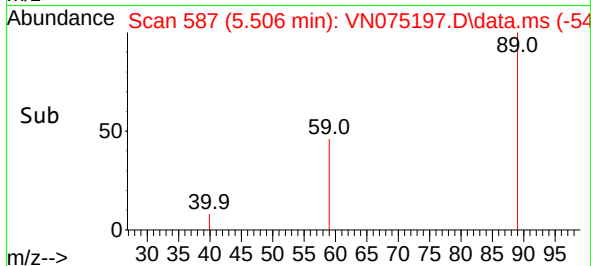
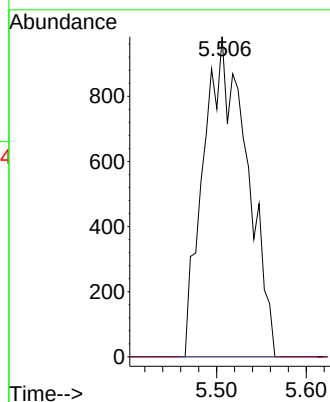
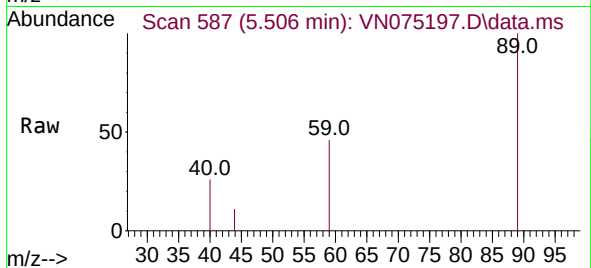




#11
Tert butyl alcohol
Concen: 11.200 ug/l
RT: 5.506 min Scan# 593
Delta R.T. -0.036 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

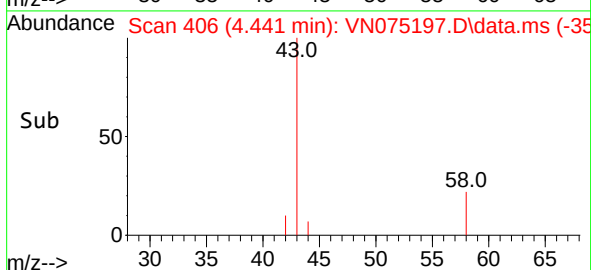
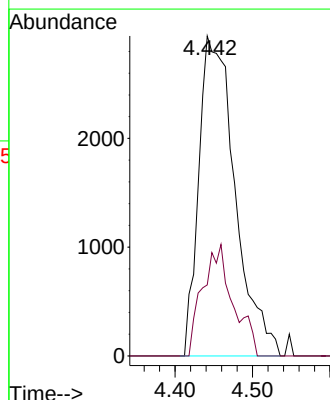
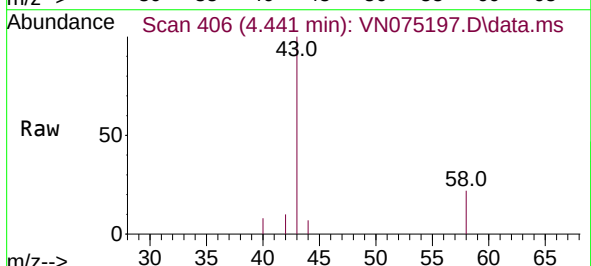
Instrument :
MSVOA_N
ClientSampleId :
TP-3

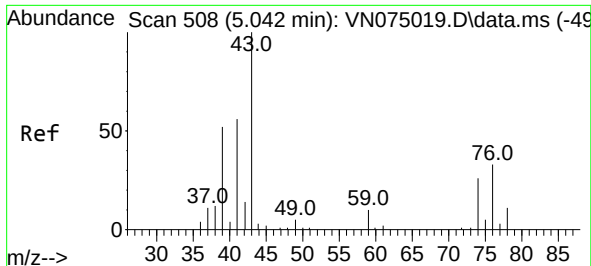
Tgt Ion: 59 Resp: 3297
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 17.875 ug/l
RT: 4.441 min Scan# 406
Delta R.T. -0.001 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 43 Resp: 9554
Ion Ratio Lower Upper
43 100
58 22.2 25.5 38.3#

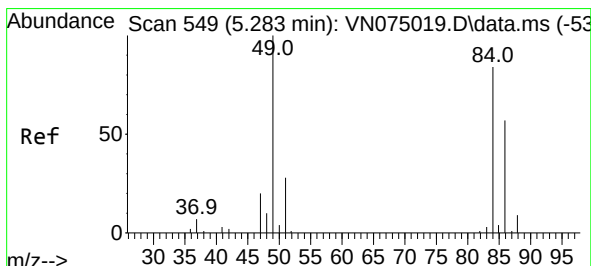
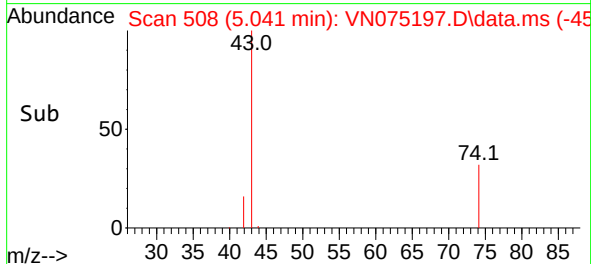
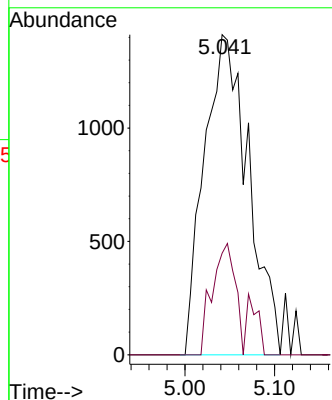
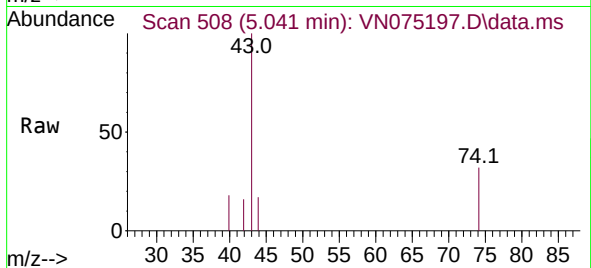




#18
Methyl Acetate
Concen: 2.760 ug/l
RT: 5.041 min Scan# 508
Delta R.T. -0.001 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

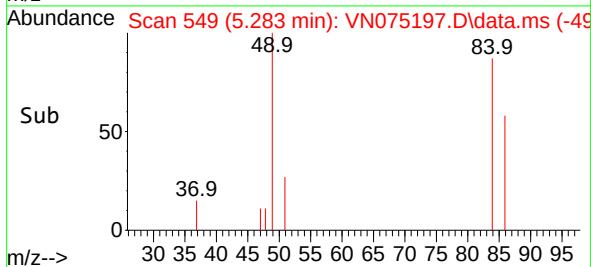
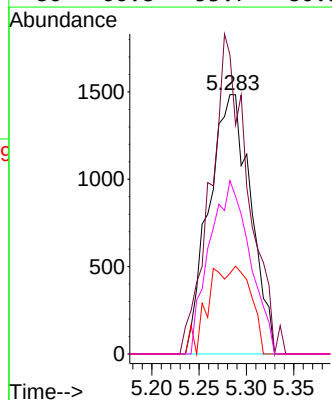
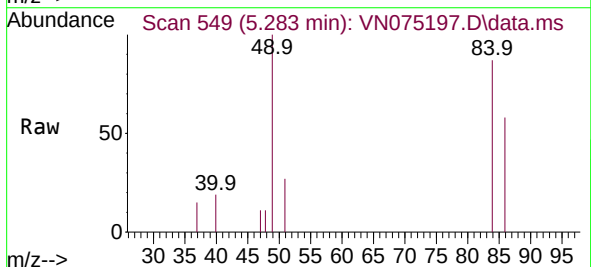
Instrument :
MSVOA_N
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TP-3

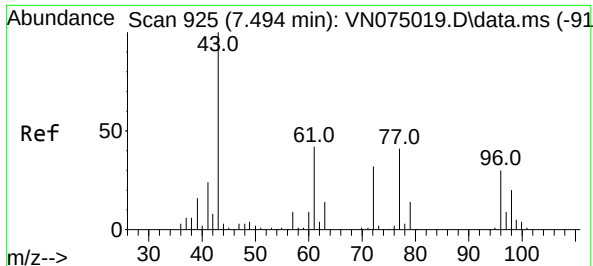
Tgt Ion: 43 Resp: 4818
Ion Ratio Lower Upper
43 100
74 18.1 22.0 33.0#



#20
Methylene Chloride
Concen: 3.810 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 84 Resp: 4540
Ion Ratio Lower Upper
84 100
49 115.3 94.9 142.3
51 31.1 26.8 40.2
86 66.8 53.7 80.5





#25

2-Butanone

Concen: 1.234 ug/l

RT: 7.488 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075197.D

Acq: 07 Nov 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

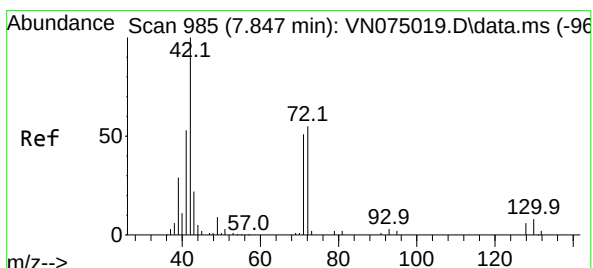
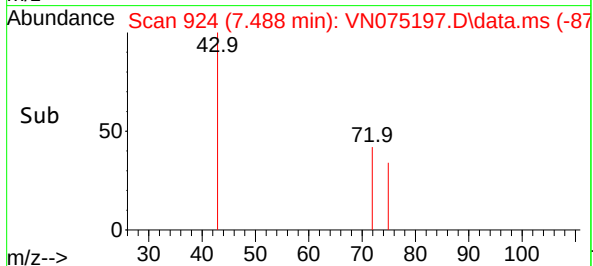
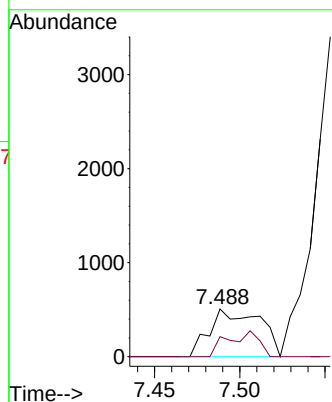
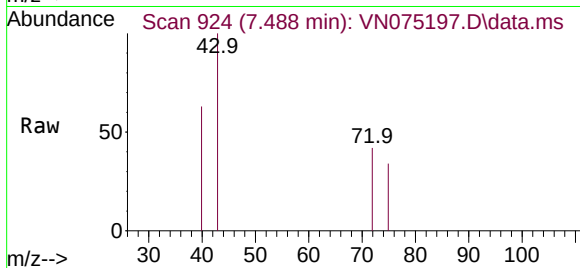
TP-3

Tgt Ion: 43 Resp: 1037

Ion Ratio Lower Upper

43 100

72 42.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.766 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.012 min

Lab File: VN075197.D

Acq: 07 Nov 2022 18:59

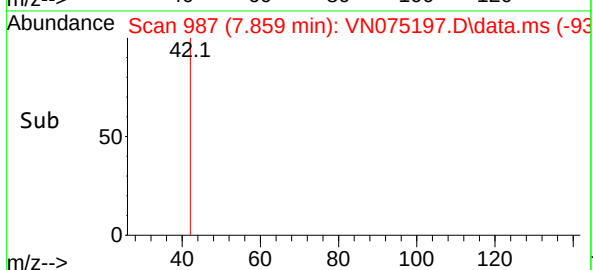
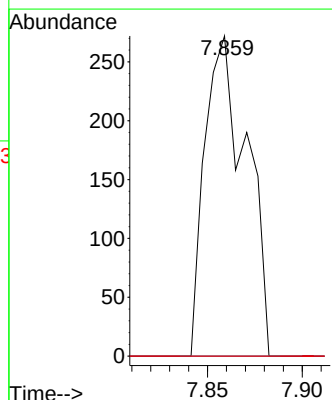
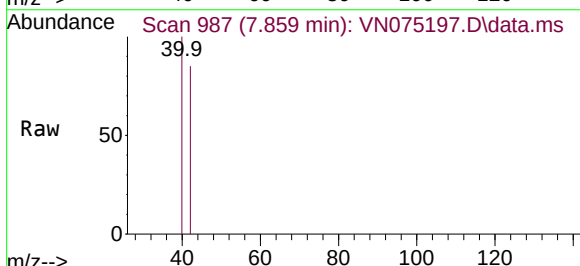
Tgt Ion: 42 Resp: 416

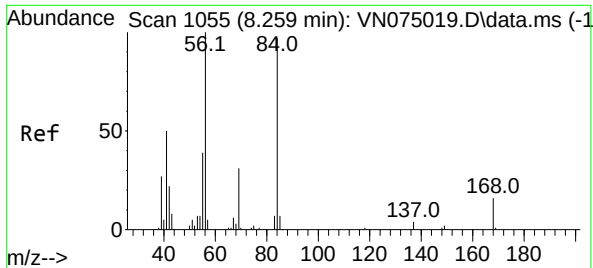
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

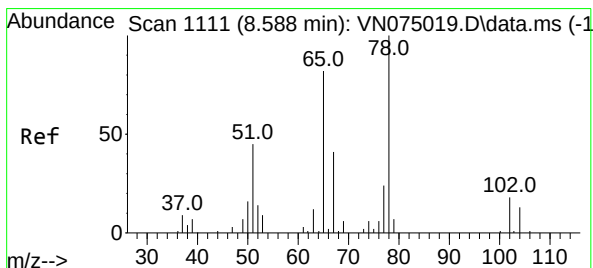
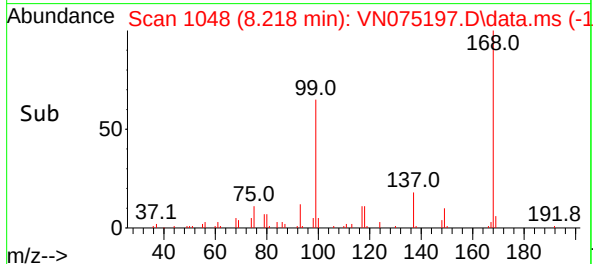
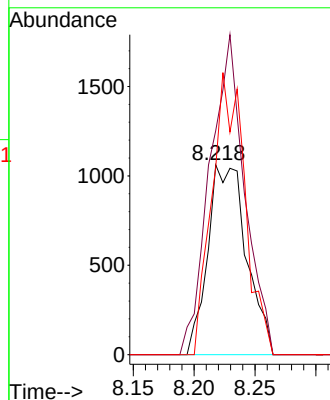
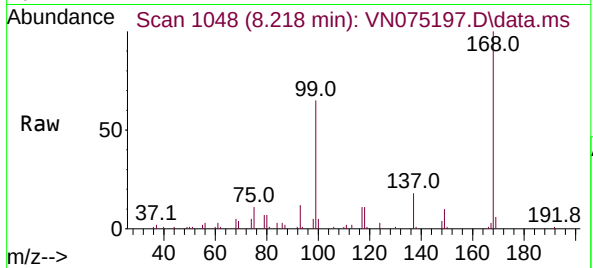




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.218 min Scan# 1048
Delta R.T. -0.041 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

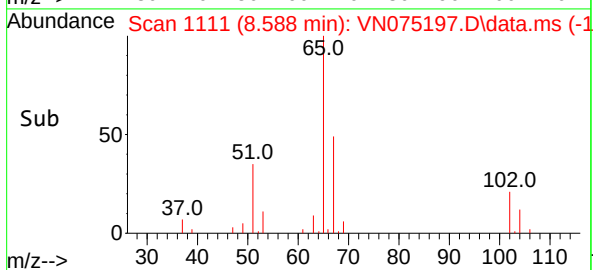
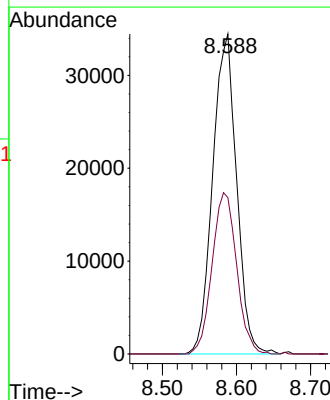
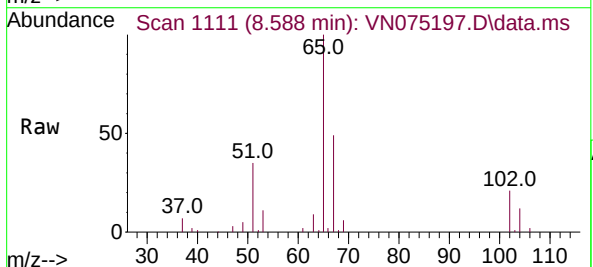
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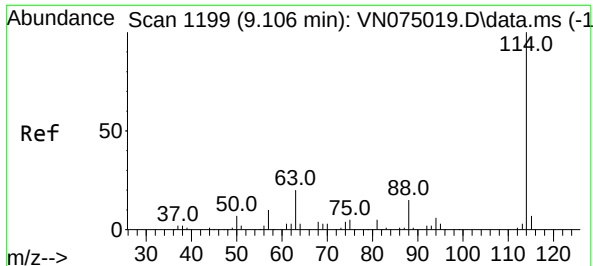
Tgt Ion: 56 Resp: 2345
Ion Ratio Lower Upper
56 100
69 118.1 25.2 37.8#
84 98.7 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 61.051 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 65 Resp: 77064
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0

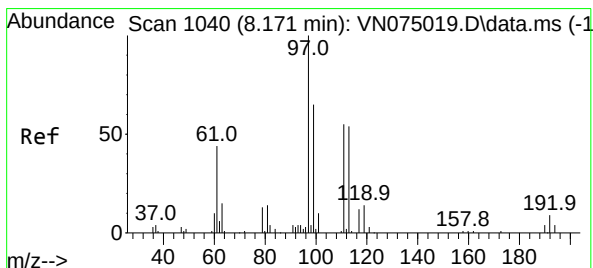
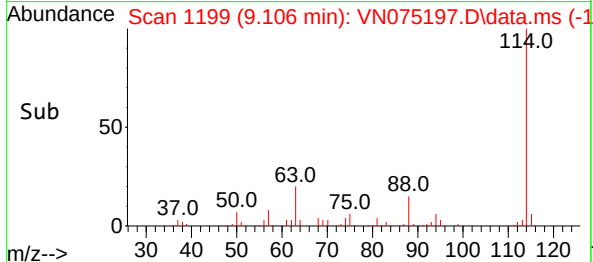
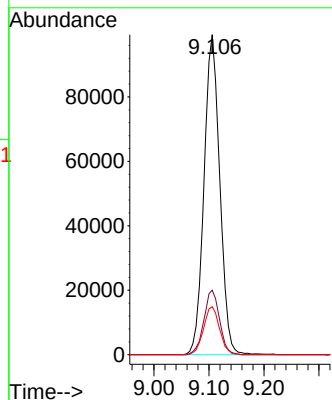
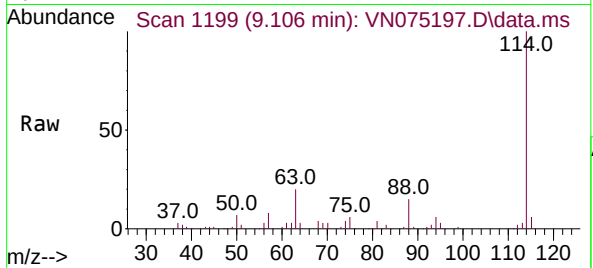




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

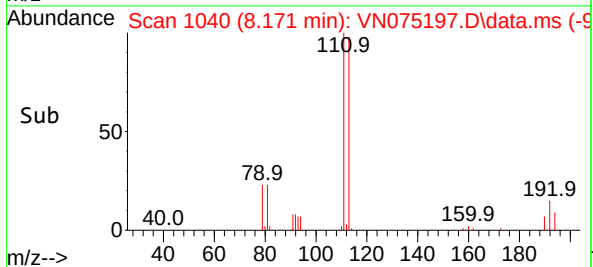
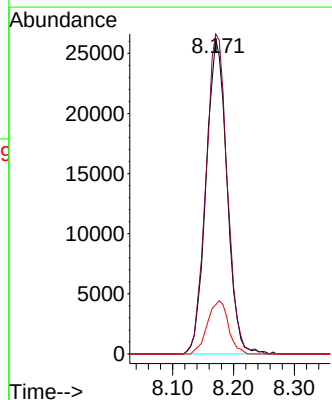
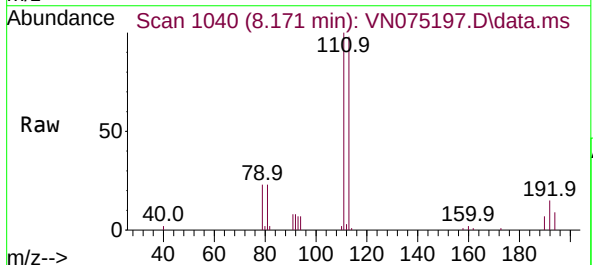
Instrument :
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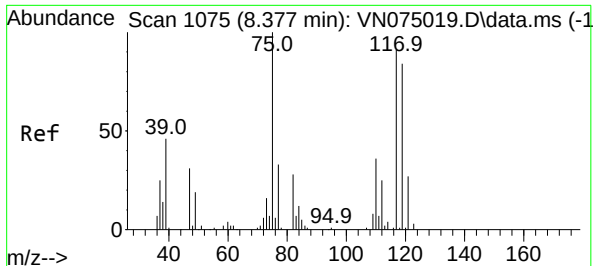
Tgt Ion:114 Resp: 197868
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.6
88 15.0 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.704 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion:113 Resp: 62382
Ion Ratio Lower Upper
113 100
111 103.7 80.5 120.7
192 16.9 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN075197.D

Acq: 07 Nov 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

TP-3

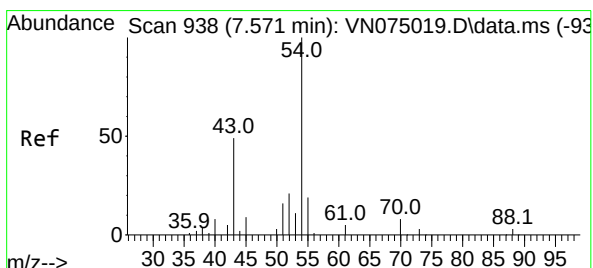
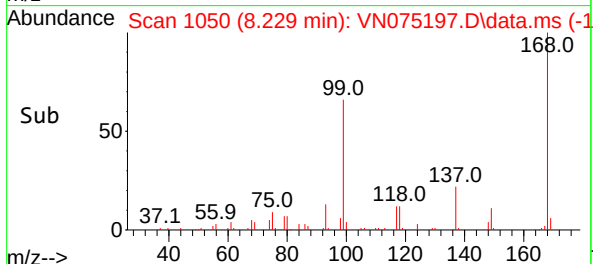
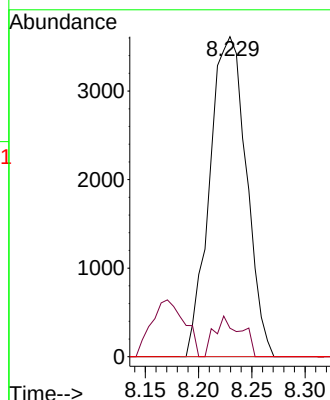
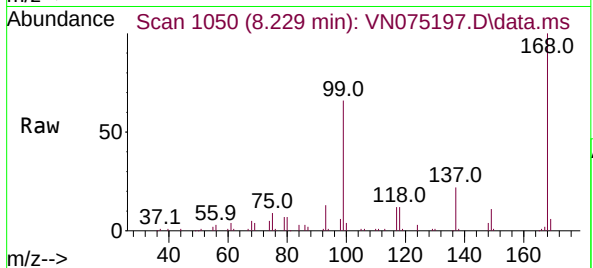
Tgt Ion: 75 Resp: 8656

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 8.947 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075197.D

Acq: 07 Nov 2022 18:59

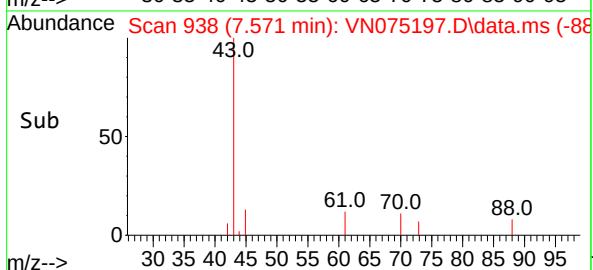
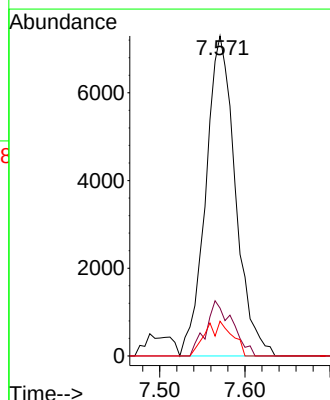
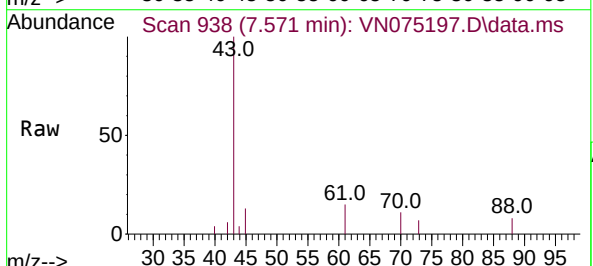
Tgt Ion: 43 Resp: 17645

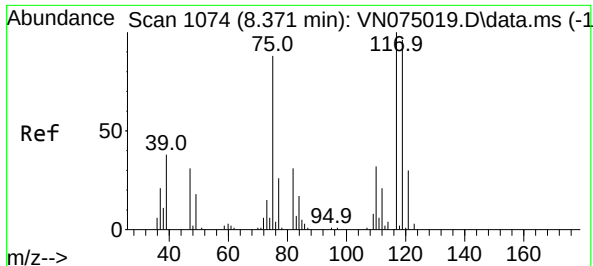
Ion Ratio Lower Upper

43 100

61 15.4 12.2 18.4

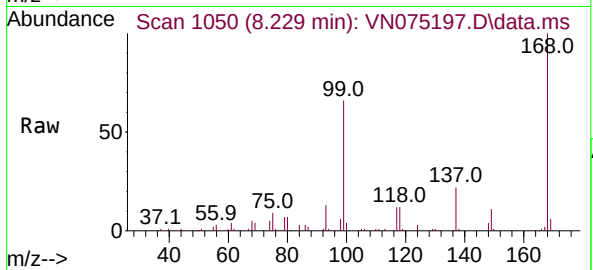
70 4.4 9.4 14.2#



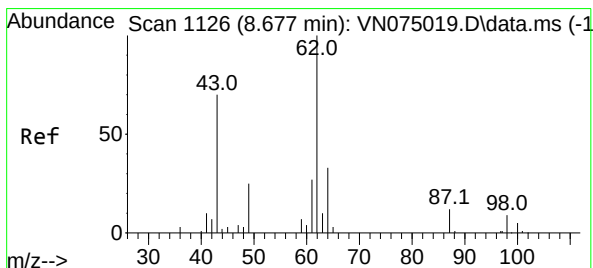
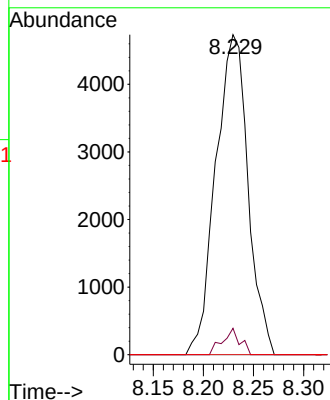
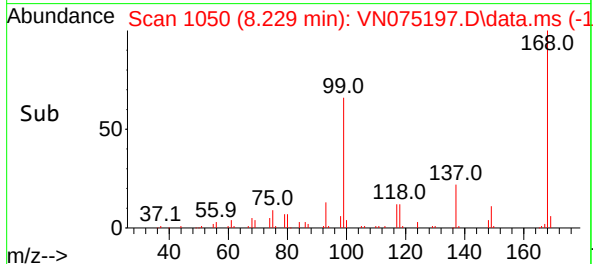


#38
Carbon Tetrachloride
Concen: 5.362 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :
TP-3

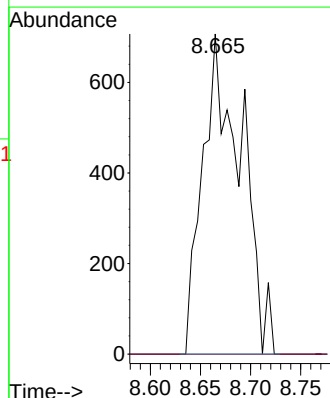
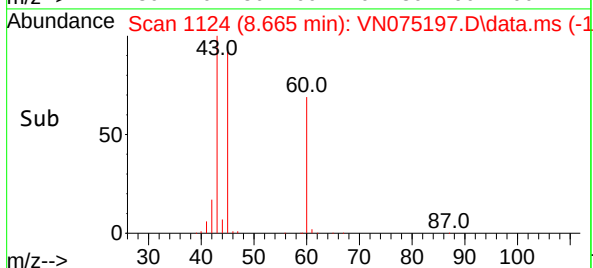
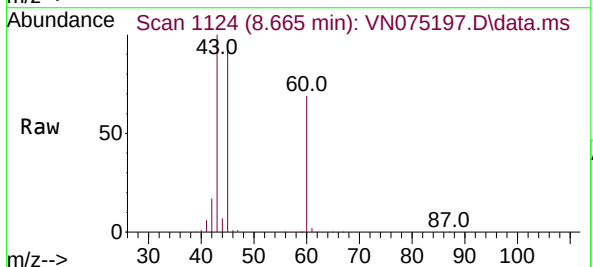


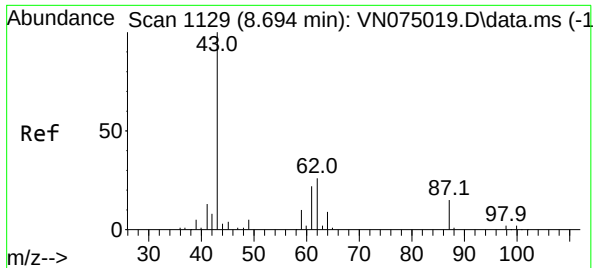
Tgt Ion:117 Resp: 10608
Ion Ratio Lower Upper
117 100
119 8.2 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.942 ug/l
RT: 8.665 min Scan# 1124
Delta R.T. -0.012 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 62 Resp: 1888
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

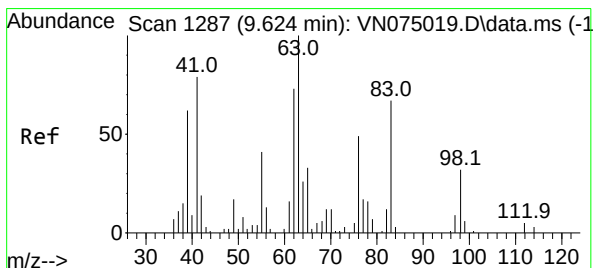
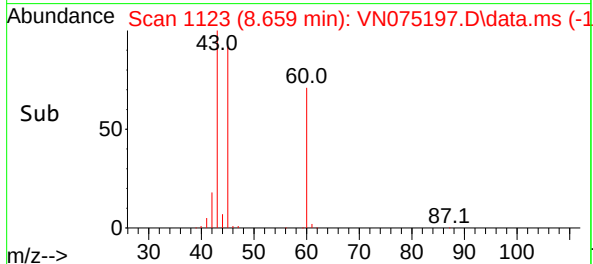
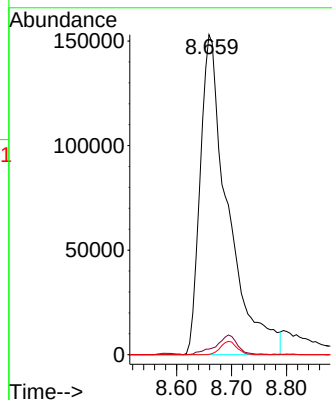
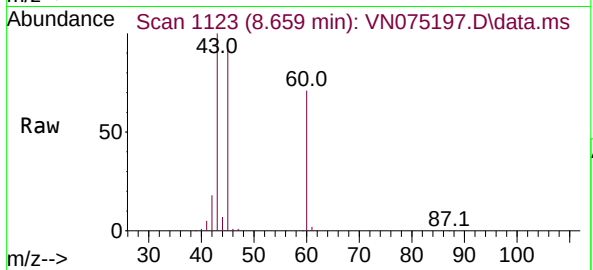




#43
Isopropyl Acetate
Concen: 174.566 ug/l
RT: 8.659 min Scan# 1123
Delta R.T. -0.035 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

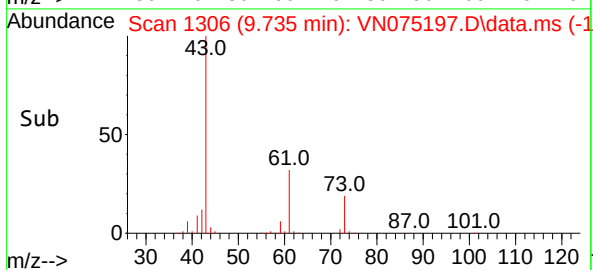
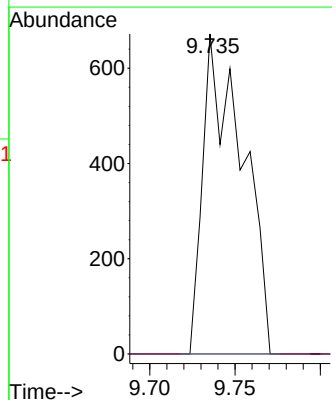
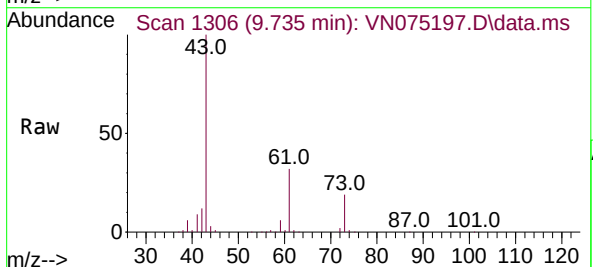
Instrument :
MSVOA_N
ClientSampleId :
TP-3

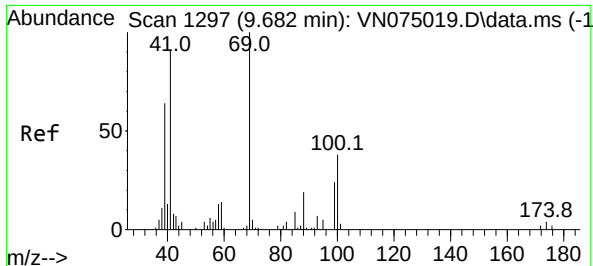
Tgt Ion: 43 Resp: 534024
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.828 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 63 Resp: 1085
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 52.541 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN075197.D

Acq: 07 Nov 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

TP-3

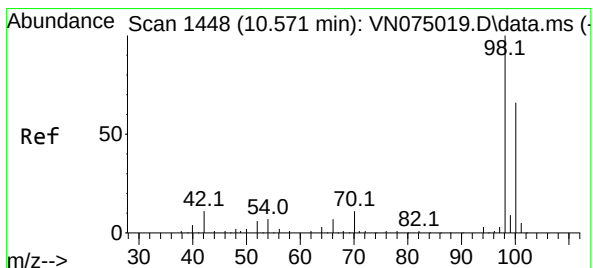
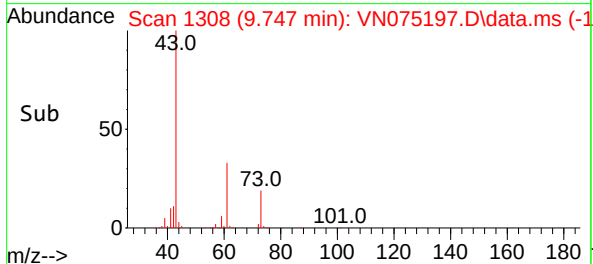
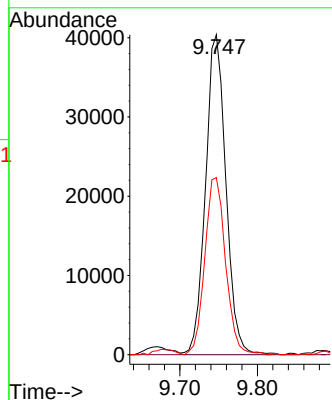
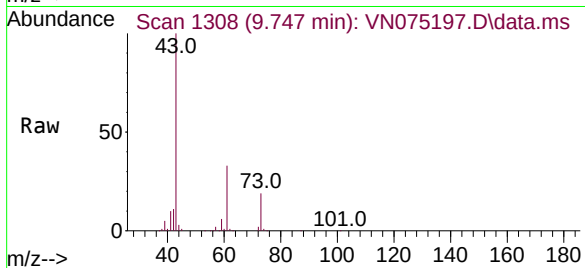
Tgt Ion: 41 Resp: 73730

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.3 56.2 84.2



#50

Toluene-d8

Concen: 51.409 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075197.D

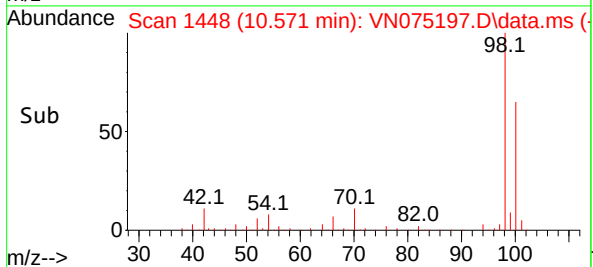
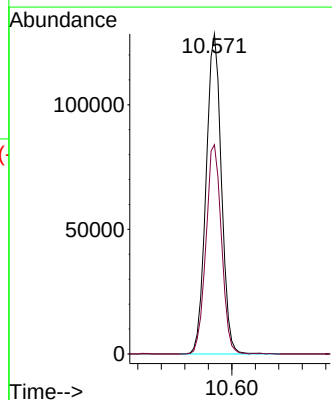
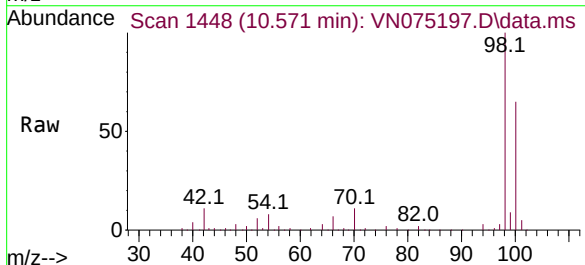
Acq: 07 Nov 2022 18:59

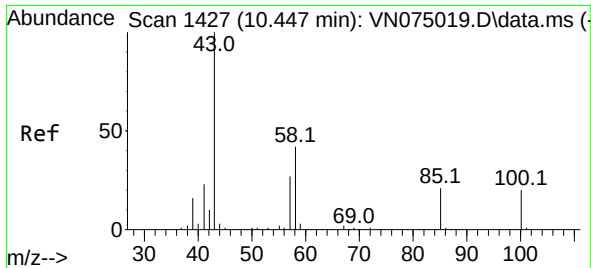
Tgt Ion: 98 Resp: 231682

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6

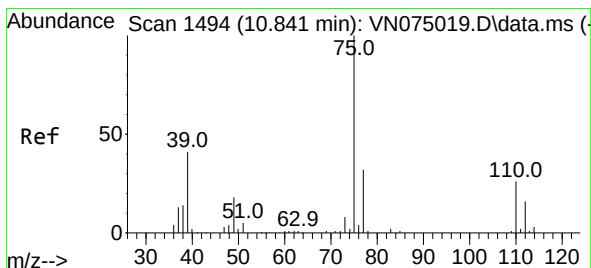
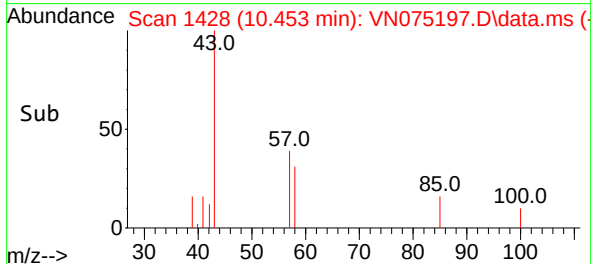
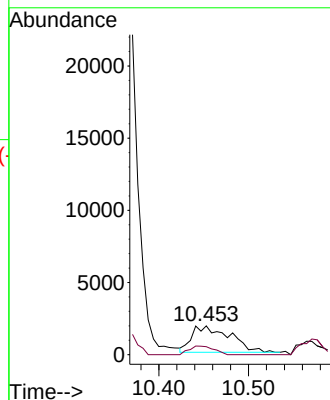
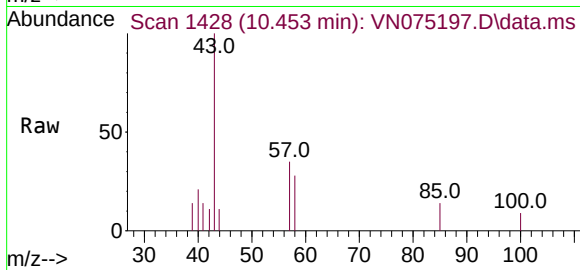




#51
4-Methyl-2-Pentanone
Concen: 2.707 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

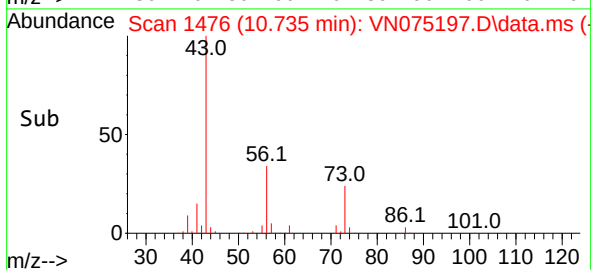
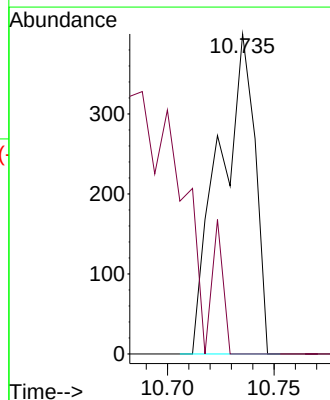
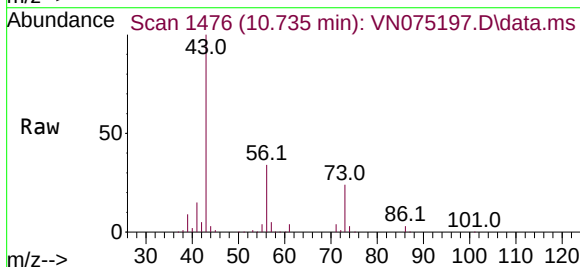
Instrument :
MSVOA_N
ClientSampleId :
TP-3

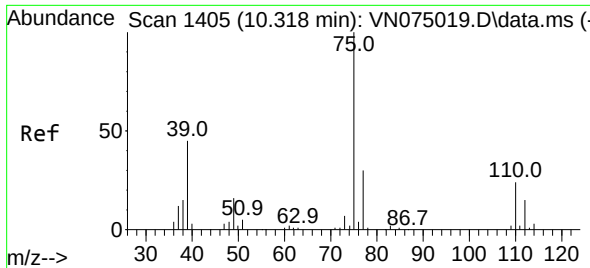
Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
58 21.4 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.223 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.106 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 75 Resp: 466
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

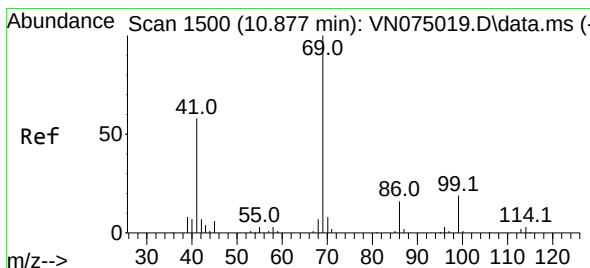
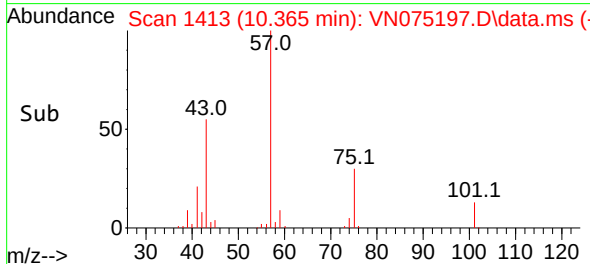
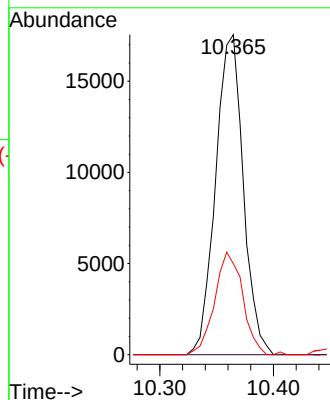
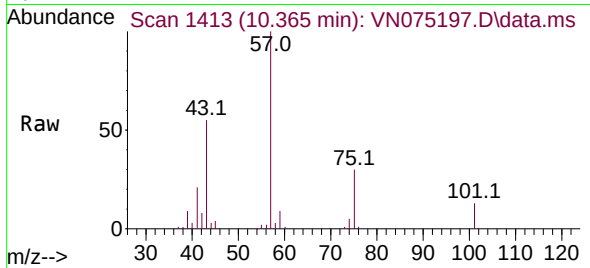




#54
 cis-1,3-Dichloropropene
 Concen: 13.411 ug/l
 RT: 10.365 min Scan# 1405
 Delta R.T. 0.047 min
 Lab File: VN075197.D
 Acq: 07 Nov 2022 18:59

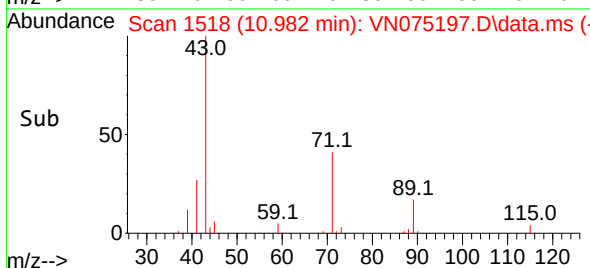
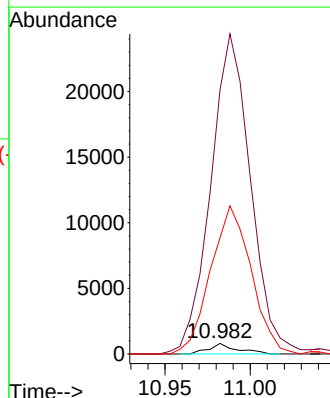
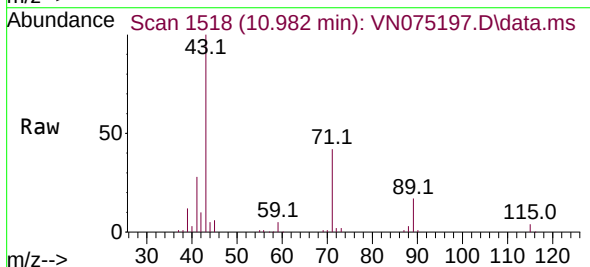
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

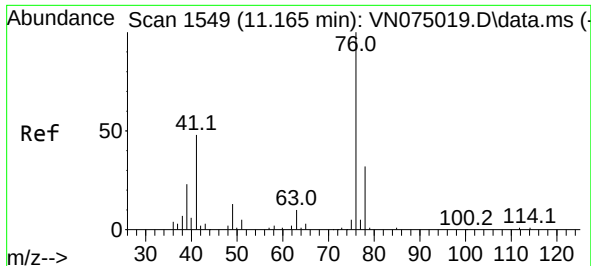
Tgt Ion: 75 Resp: 29682
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.4 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.411 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075197.D
 Acq: 07 Nov 2022 18:59

Tgt Ion: 69 Resp: 916
 Ion Ratio Lower Upper
 69 100
 41 4366.3 45.6 68.4#
 39 2042.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.829 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN075197.D

Acq: 07 Nov 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

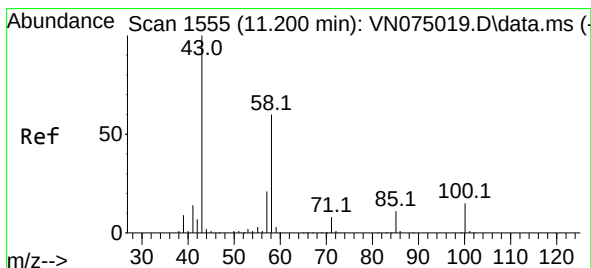
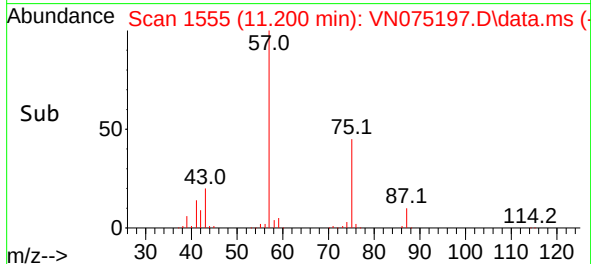
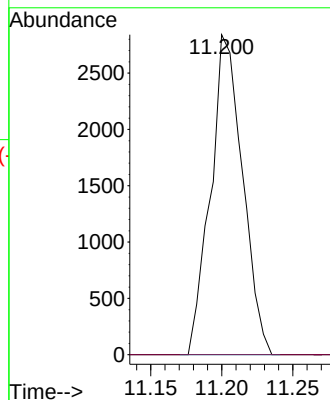
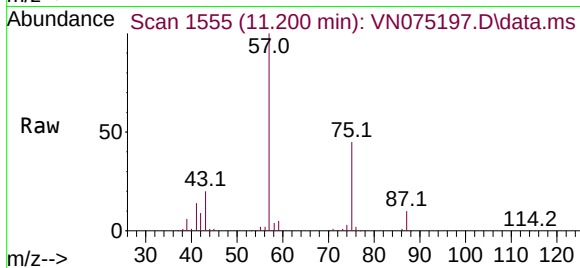
TP-3

Tgt Ion: 76 Resp: 4446

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 39.980 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN075197.D

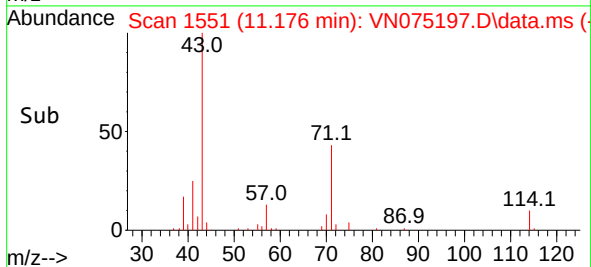
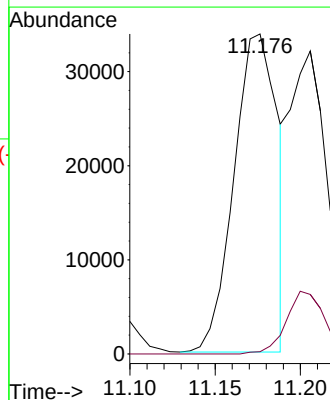
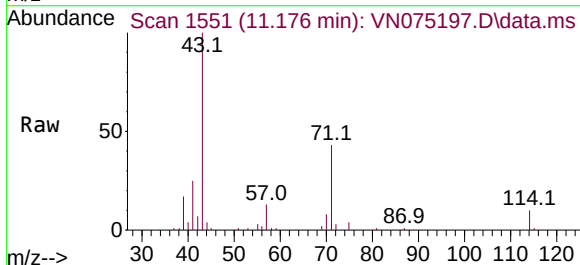
Acq: 07 Nov 2022 18:59

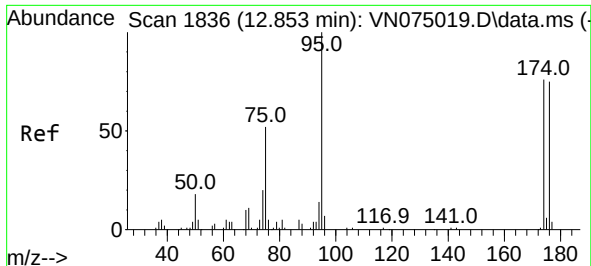
Tgt Ion: 43 Resp: 59900

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

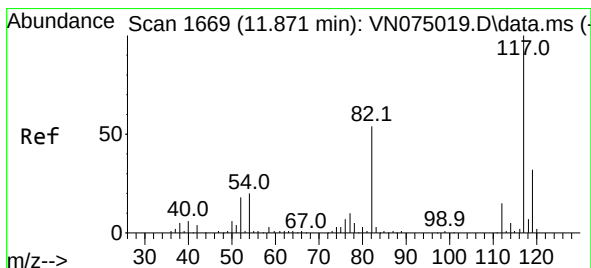
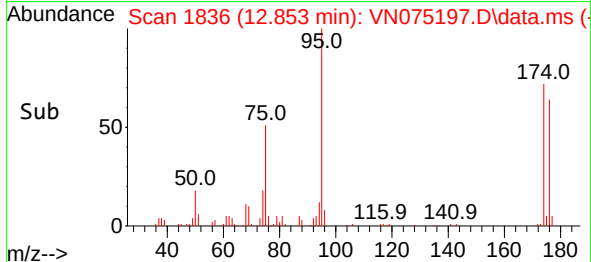
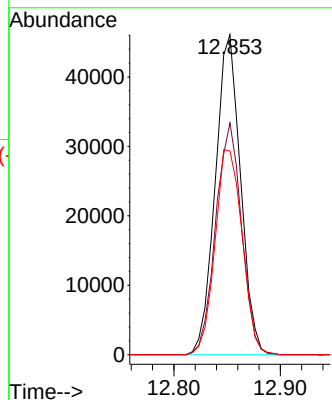
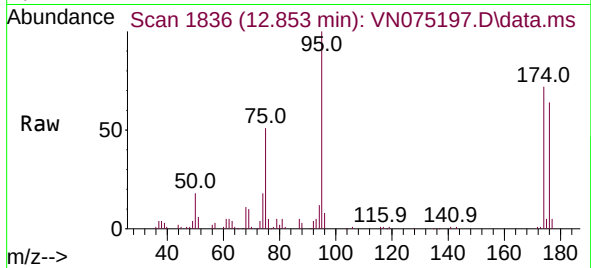




#62
4-Bromofluorobenzene
Concen: 47.862 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

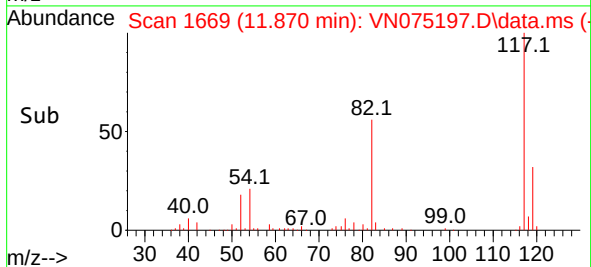
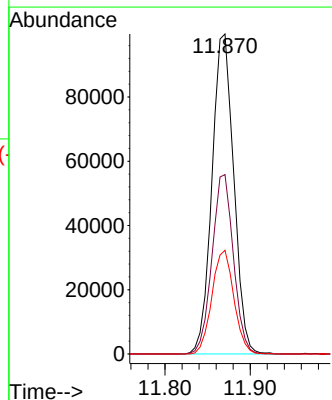
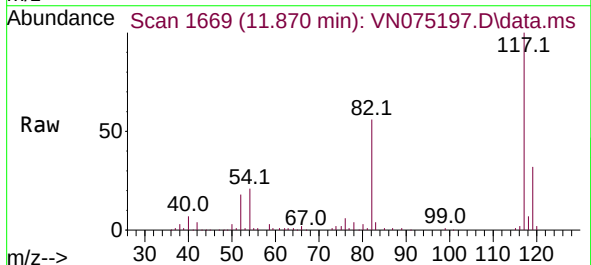
Instrument :
MSVOA_N
ClientSampleId :
TP-3

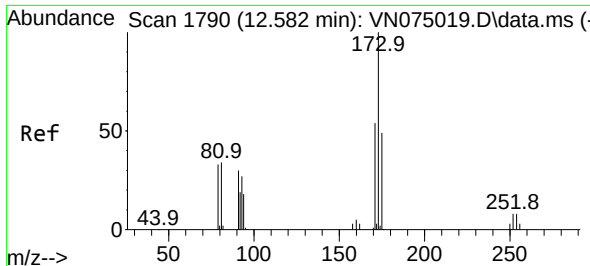
Tgt Ion: 95 Resp: 75770
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 69.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.001 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion: 117 Resp: 176744
Ion Ratio Lower Upper
117 100
82 56.1 43.1 64.7
119 32.4 25.5 38.3

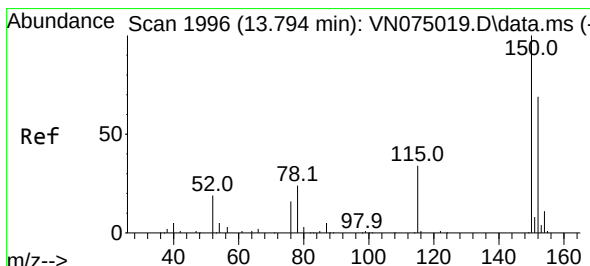
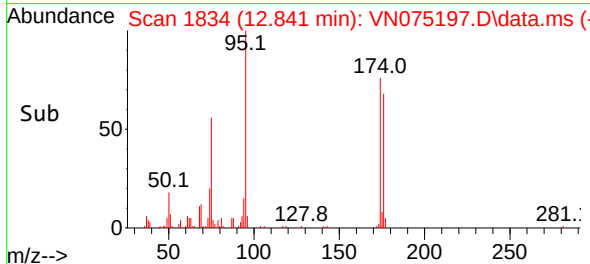
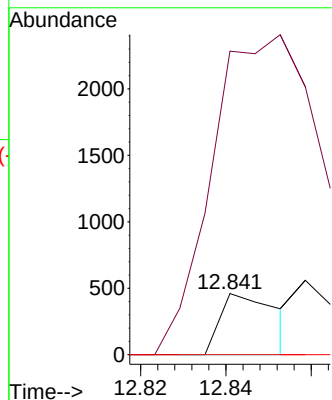
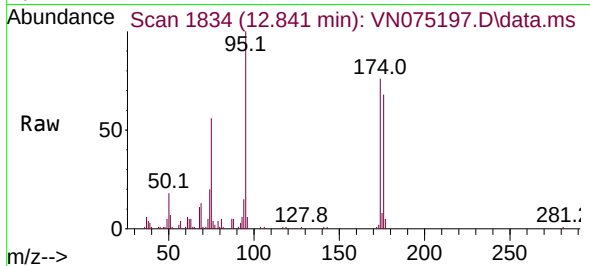




#71
Bromoform
Concen: 0.405 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

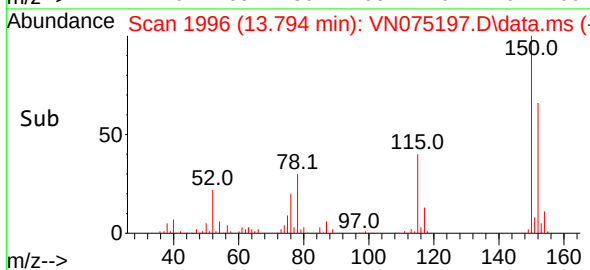
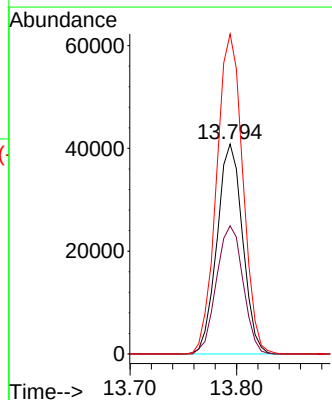
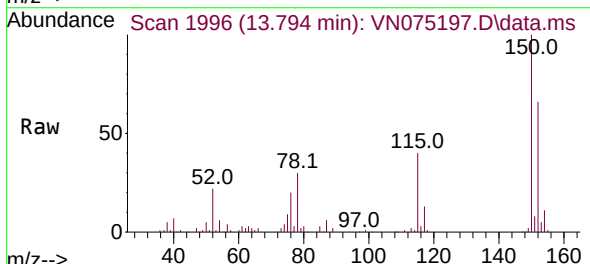
Instrument :
MSVOA_N
ClientSampleId :
TP-3

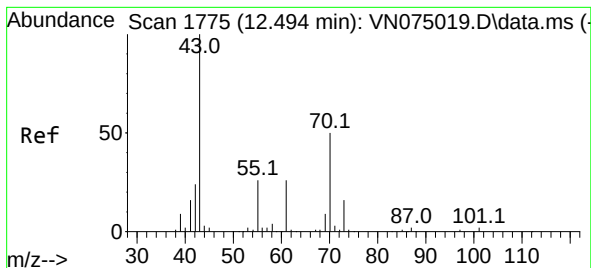
Tgt Ion:173 Resp: 424
Ion Ratio Lower Upper
173 100
175 864.6 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075197.D
Acq: 07 Nov 2022 18:59

Tgt Ion:152 Resp: 68098
Ion Ratio Lower Upper
152 100
115 63.4 30.2 90.6
150 156.2 0.0 348.4





#74

N-amy1 acetate

Concen: 0.359 ug/l

RT: 12.500 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075197.D

Acq: 07 Nov 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

TP-3

Tgt Ion: 43 Resp: 726

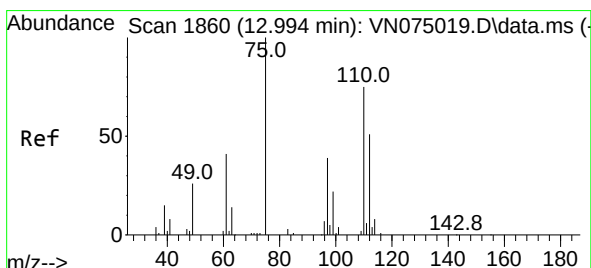
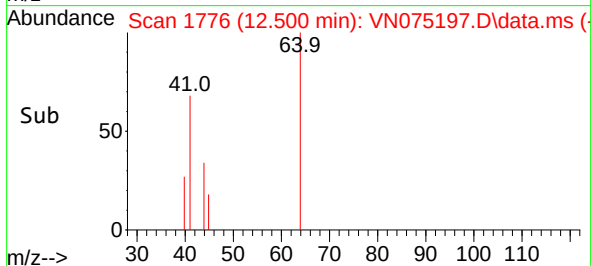
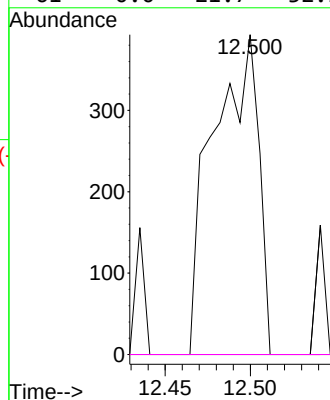
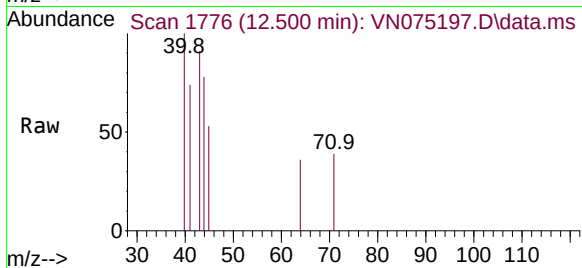
Ion Ratio Lower Upper

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: 27.952 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075197.D

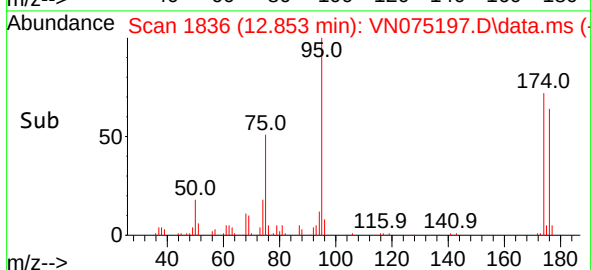
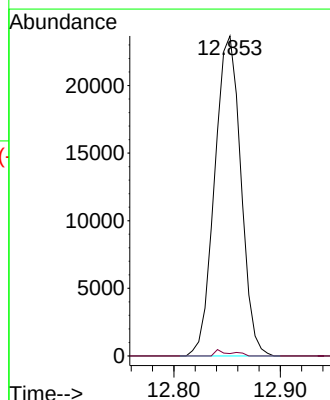
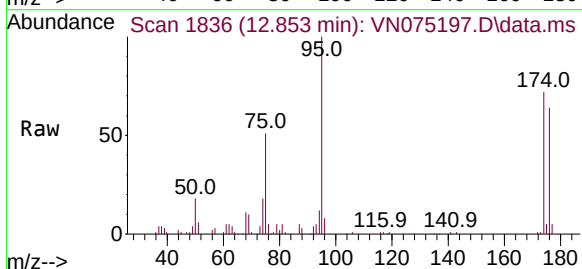
Acq: 07 Nov 2022 18:59

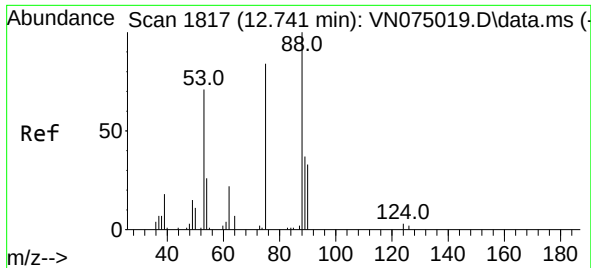
Tgt Ion: 75 Resp: 40416

Ion Ratio Lower Upper

75 100

77 1.2 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.753 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075197.D
 Acq: 07 Nov 2022 18:59

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Tgt Ion: 75 Resp: 40416
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

