

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075372.D
 Acq On : 22 Nov 2022 16:55
 Operator : JC\MD
 Sample : PB149226ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#04

Quant Time: Nov 23 07:11:52 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)

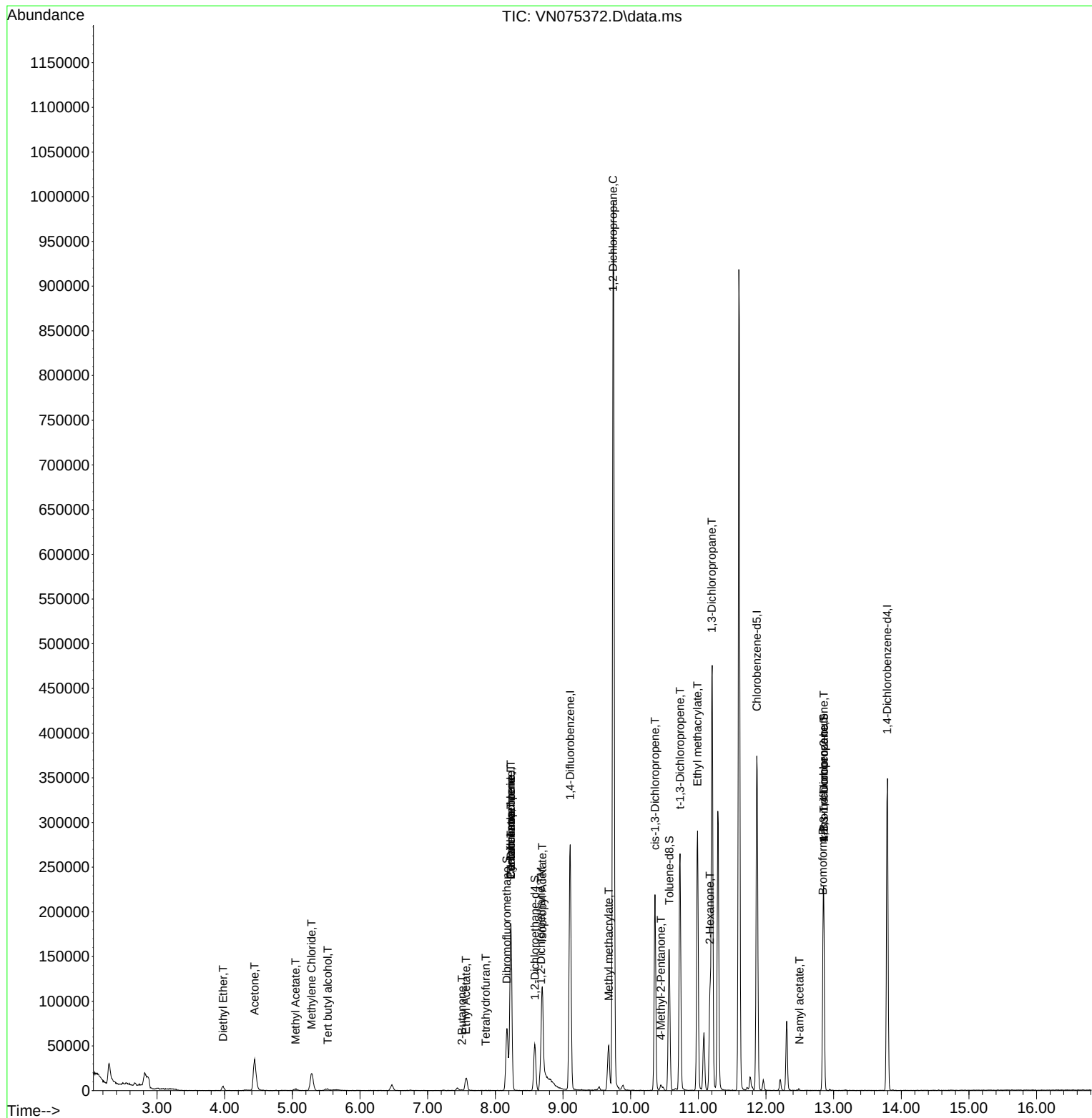
Internal Standards						
1) Pentafluorobenzene	8.230	168	140603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	254687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42402	56.181	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.360%			
35) Dibromofluoromethane	8.171	113	50448	50.423	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.571	98	115372	51.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.853	95	81142	48.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.580%			
Target Compounds						Qvalue
8) Diethyl Ether	3.977	74	3010	3.566	ug/l	91
11) Tert butyl alcohol	5.524	59	926	2.923	ug/l #	72
16) Acetone	4.442	43	64521	91.651	ug/l	89
18) Methyl Acetate	5.048	43	3751	0.840	ug/l #	81
20) Methylene Chloride	5.283	84	16751	10.730	ug/l	89
25) 2-Butanone	7.506	43	1058	1.076	ug/l #	71
29) Tetrahydrofuran	7.859	42	125	0.209	ug/l #	26
31) Cyclohexane	8.230	56	2648	1.104	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	10053	4.608	ug/l #	48
37) Ethyl Acetate	7.565	43	21446	10.916	ug/l	99
38) Carbon Tetrachloride	8.230	117	14615	6.098	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	620	0.277	ug/l #	75
43) Isopropyl Acetate	8.694	43	156374	49.589	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1353	0.850	ug/l #	42
48) Methyl methacrylate	9.677	41	2818	1.933	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	3941	1.962	ug/l	91
53) t-1,3-Dichloropropene	10.730	75	639	0.273	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	43330	17.042	ug/l #	64
56) Ethyl methacrylate	10.988	69	935	0.395	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5537	1.937	ug/l #	42
59) 2-Hexanone	11.171	43	84973	56.342	ug/l #	21
71) Bromoform	12.841	173	496	0.362	ug/l #	28
74) N-amyl acetate	12.494	43	859	0.381	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	40862	21.524	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	40862	63.684	ug/l #	10

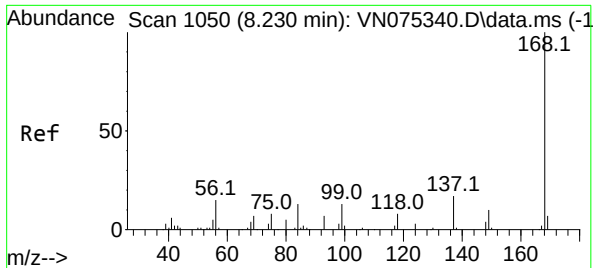
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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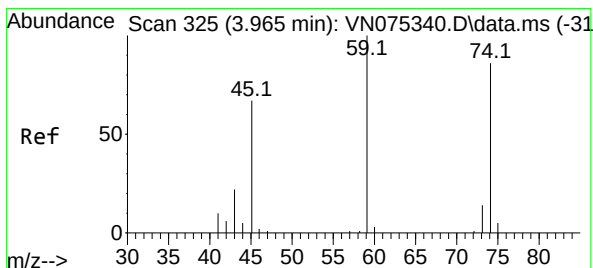
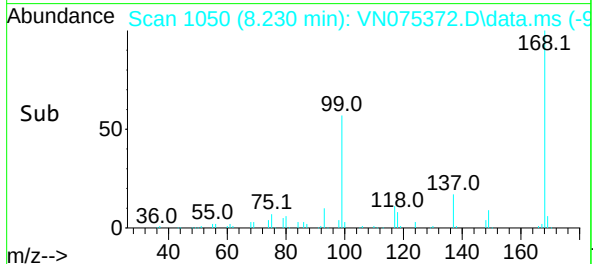
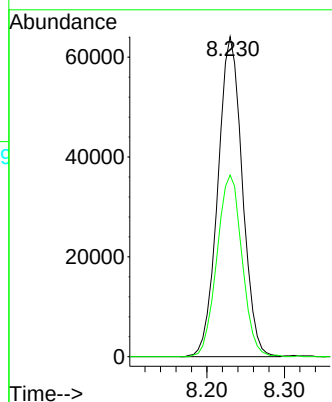
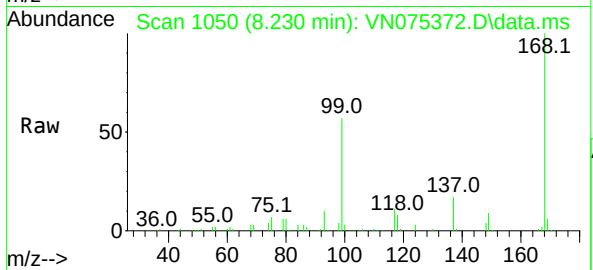




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

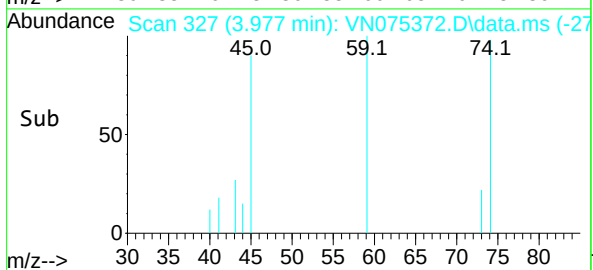
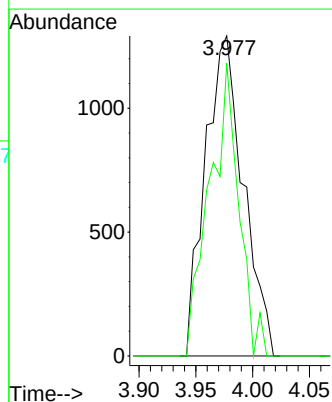
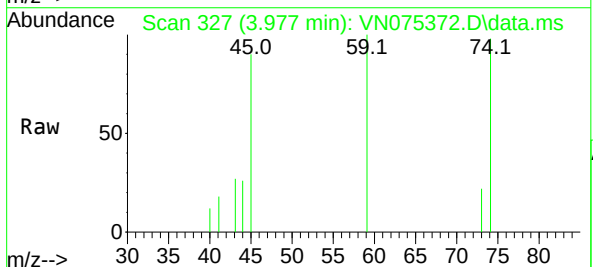
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

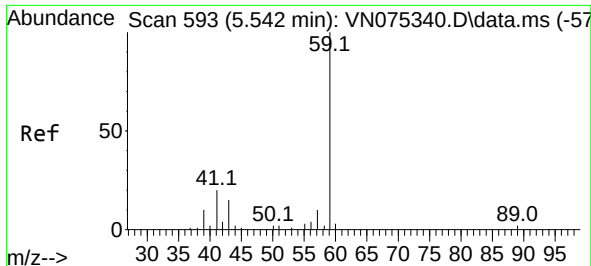
Tgt Ion:168 Resp: 140603
Ion Ratio Lower Upper
168 100
99 56.8 51.6 77.4



#8
Diethyl Ether
Concen: 3.566 ug/l
RT: 3.977 min Scan# 327
Delta R.T. 0.012 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 74 Resp: 3010
Ion Ratio Lower Upper
74 100
45 70.5 39.3 117.9

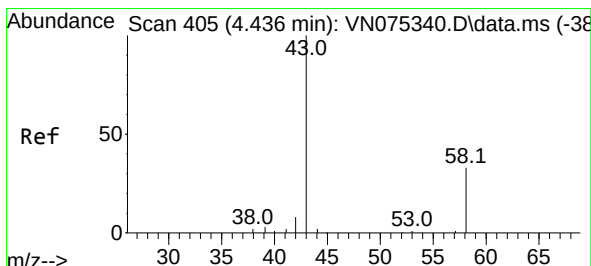
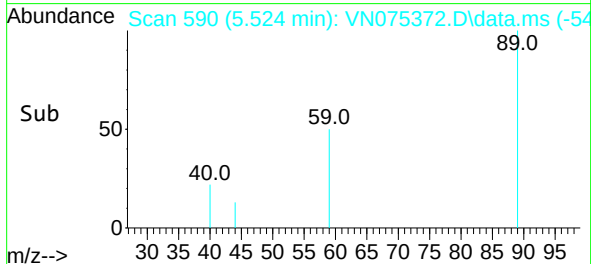
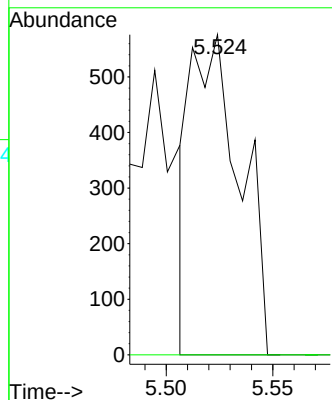
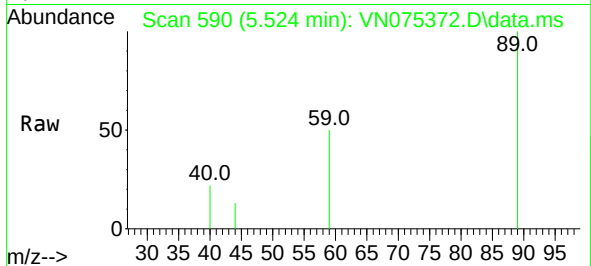




#11
Tert butyl alcohol
Concen: 2.923 ug/l
RT: 5.524 min Scan# 59
Delta R.T. -0.018 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

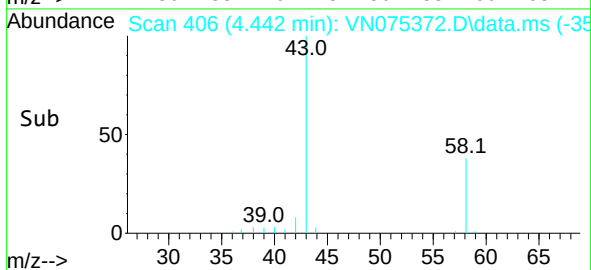
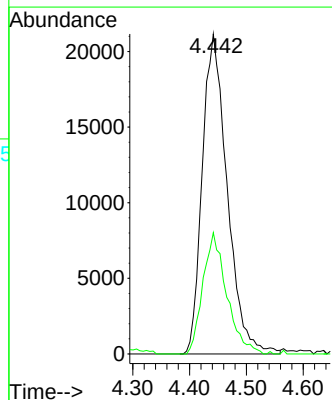
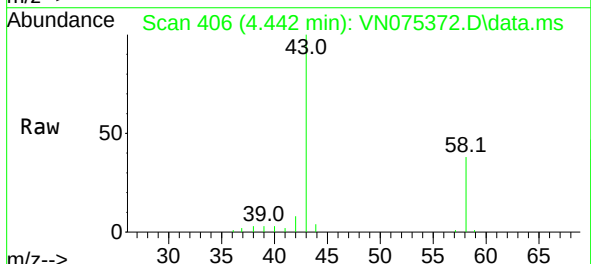
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

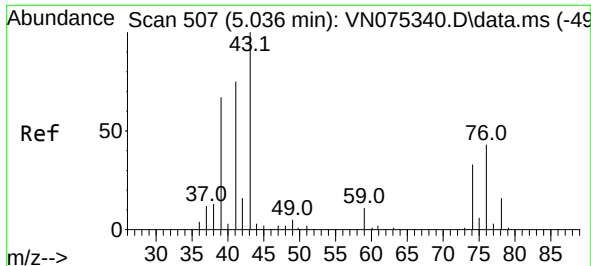
Tgt Ion: 59 Resp: 926
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 91.651 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 43 Resp: 64521
Ion Ratio Lower Upper
43 100
58 37.9 25.5 38.3

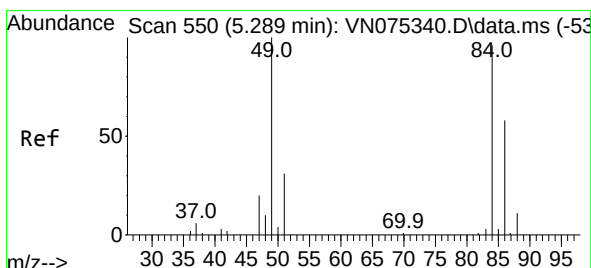
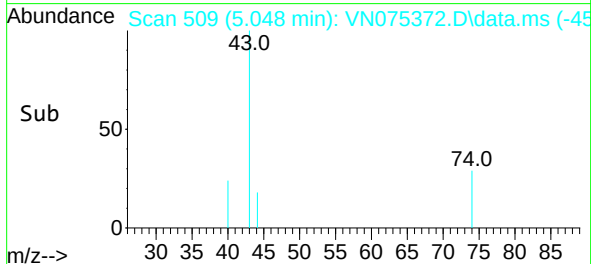
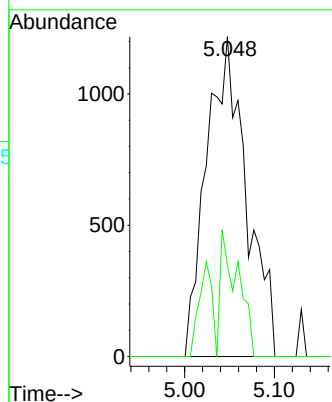
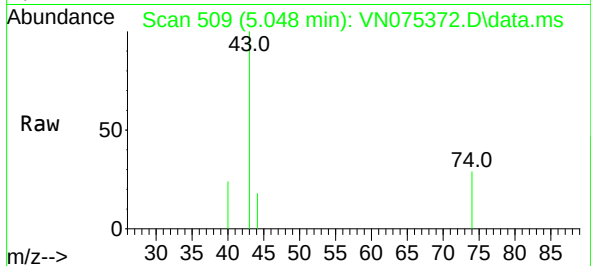




#18
Methyl Acetate
Concen: 0.840 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

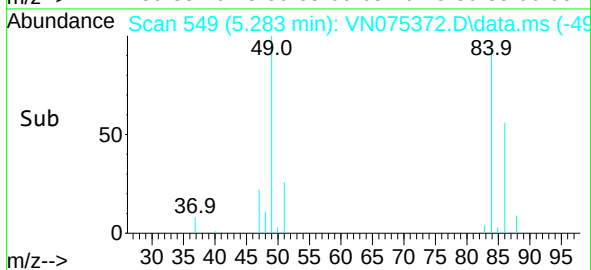
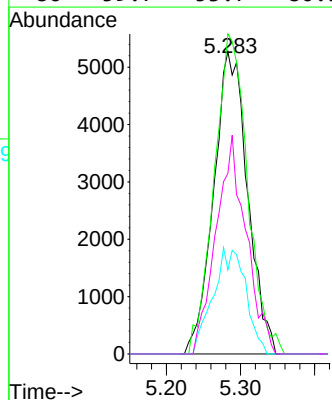
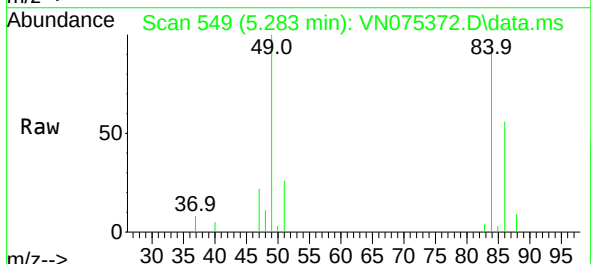
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

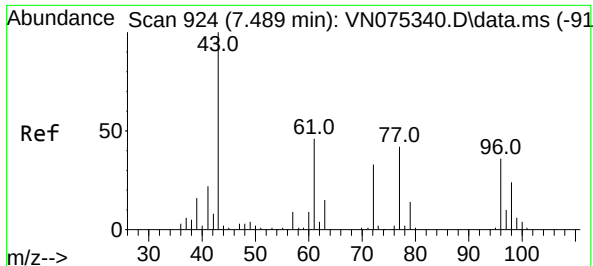
Tgt Ion: 43 Resp: 3751
Ion Ratio Lower Upper
43 100
74 17.5 22.0 33.0#



#20
Methylene Chloride
Concen: 10.730 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 84 Resp: 16751
Ion Ratio Lower Upper
84 100
49 105.8 94.9 142.3
51 27.9 26.8 40.2
86 59.7 53.7 80.5





#25

2-Butanone

Concen: 1.076 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN075372.D

Acq: 22 Nov 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

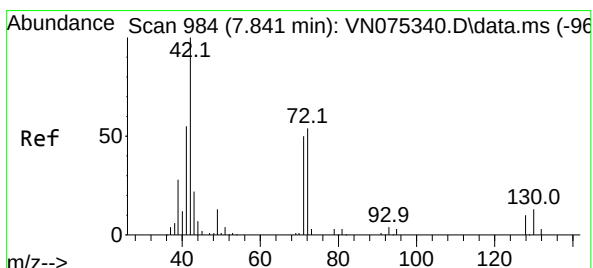
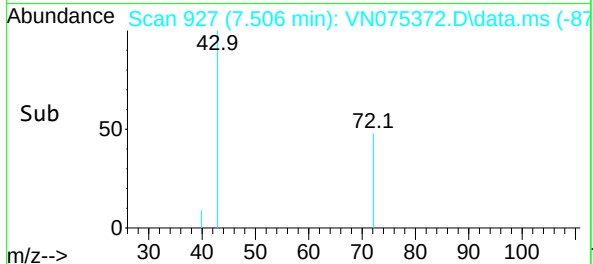
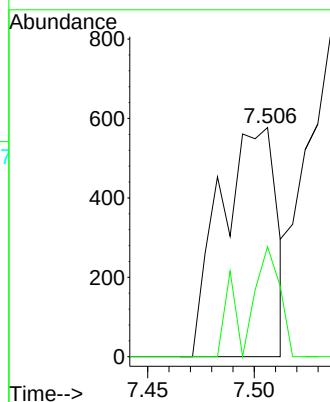
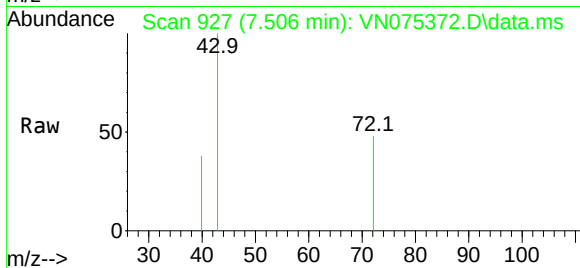
PB149226ZHE#04

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

72 48.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.018 min

Lab File: VN075372.D

Acq: 22 Nov 2022 16:55

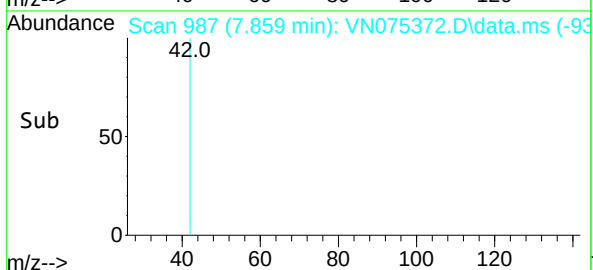
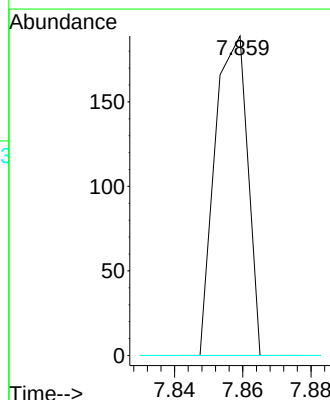
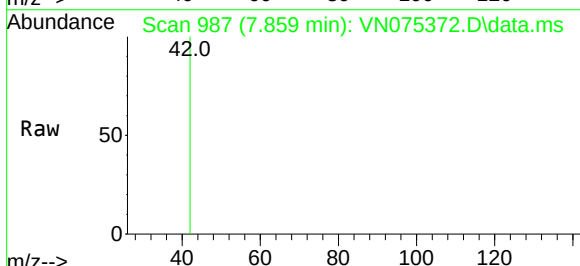
Tgt Ion: 42 Resp: 125

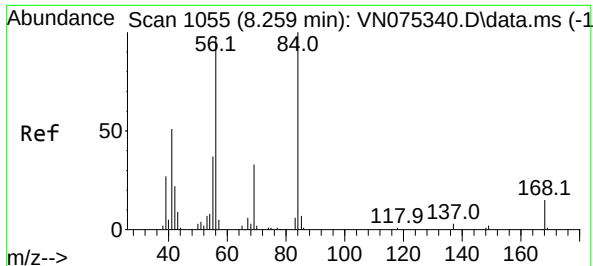
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

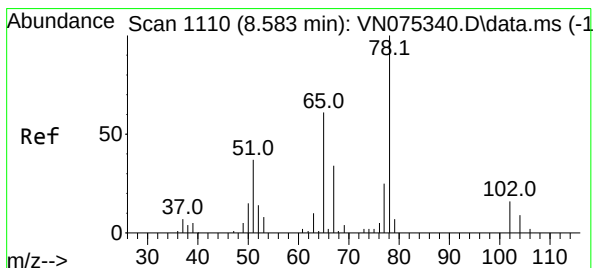
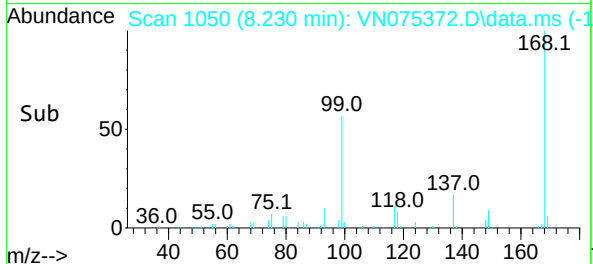
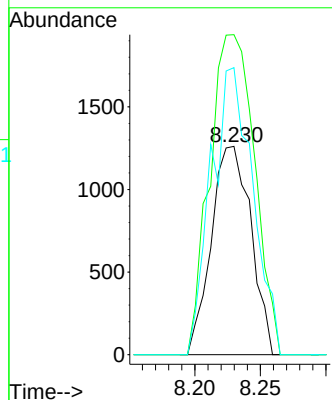
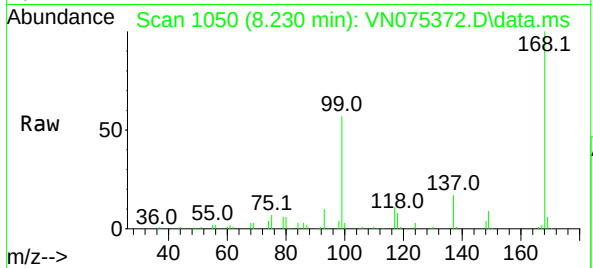




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

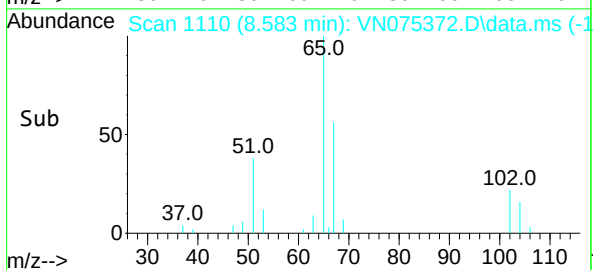
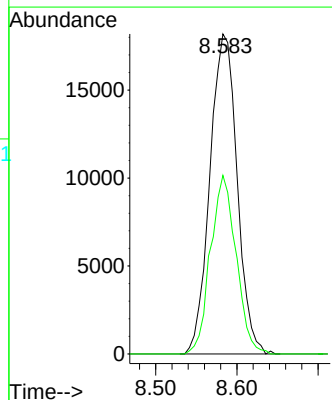
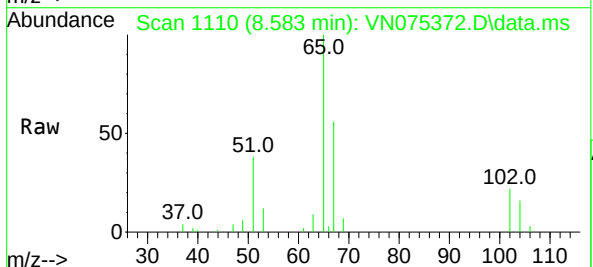
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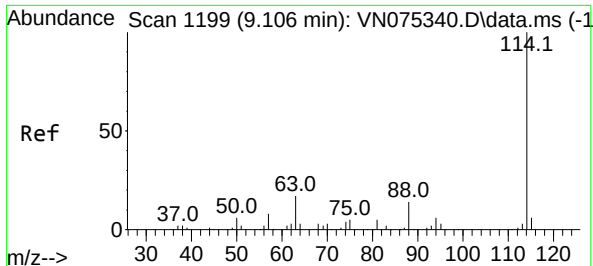
Tgt Ion: 56 Resp: 2648
Ion Ratio Lower Upper
56 100
69 153.6 25.2 37.8#
84 137.8 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 56.181 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 65 Resp: 42402
Ion Ratio Lower Upper
65 100
67 52.5 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: VN075372.D

Acq: 22 Nov 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#04

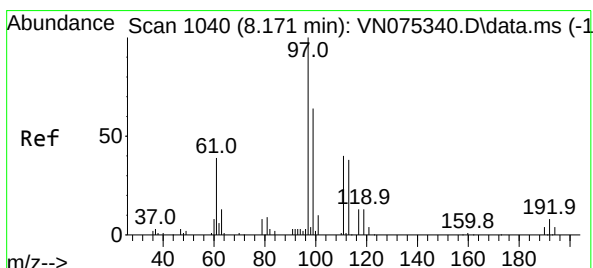
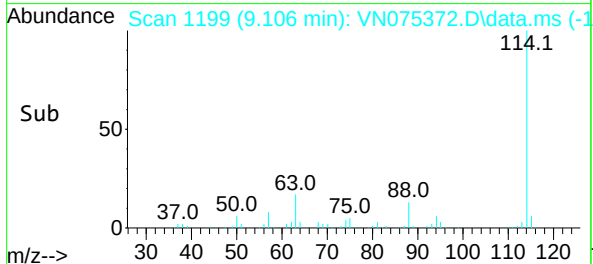
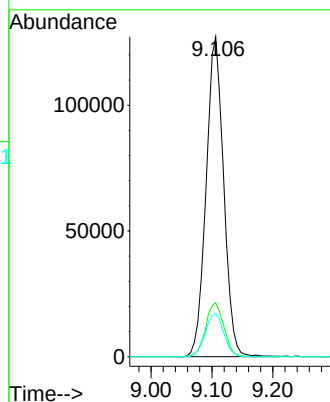
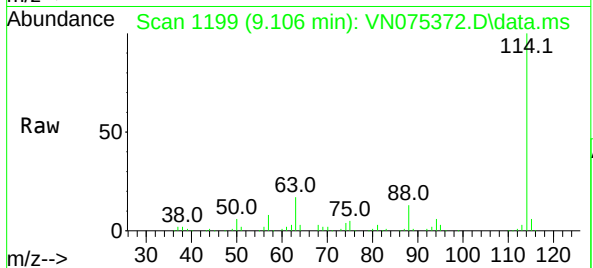
Tgt Ion:114 Resp: 254687

Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 13.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.423 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075372.D

Acq: 22 Nov 2022 16:55

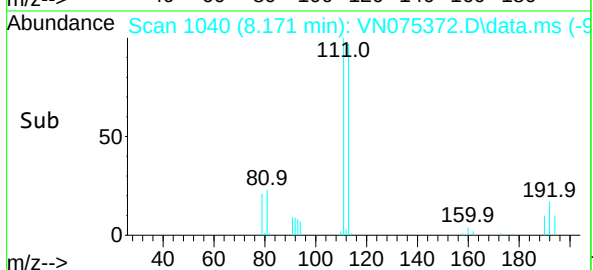
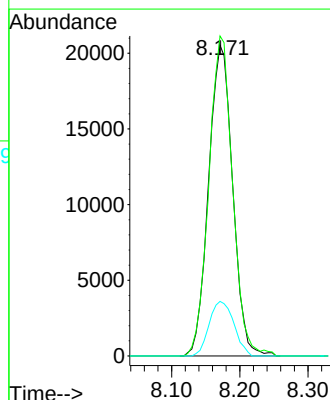
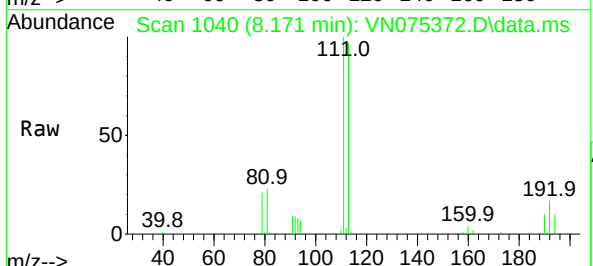
Tgt Ion:113 Resp: 50448

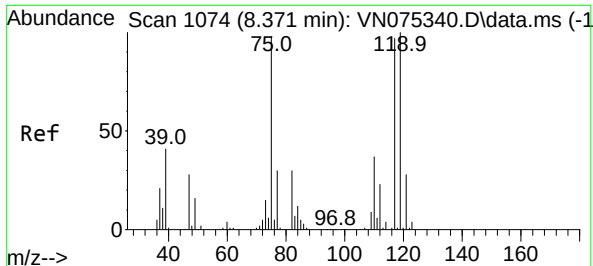
Ion Ratio Lower Upper

113 100

111 101.7 80.5 120.7

192 18.0 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075372.D

Acq: 22 Nov 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#04

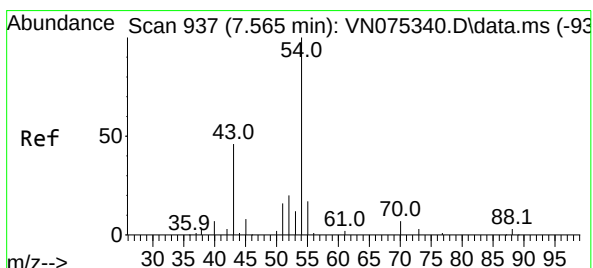
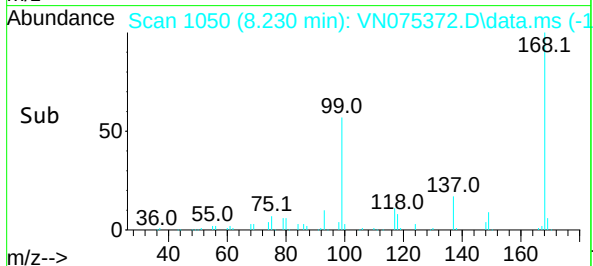
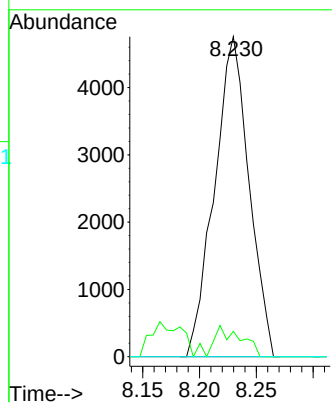
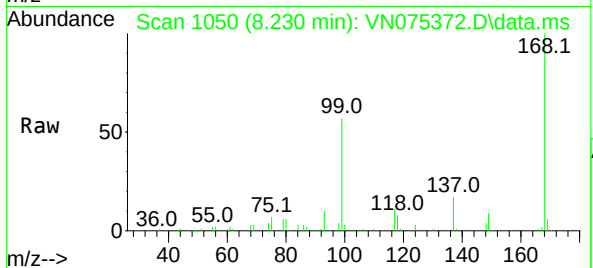
Tgt Ion: 75 Resp: 10053

Ion Ratio Lower Upper

75 100

110 7.2 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 10.916 ug/l

RT: 7.565 min Scan# 937

Delta R.T. 0.000 min

Lab File: VN075372.D

Acq: 22 Nov 2022 16:55

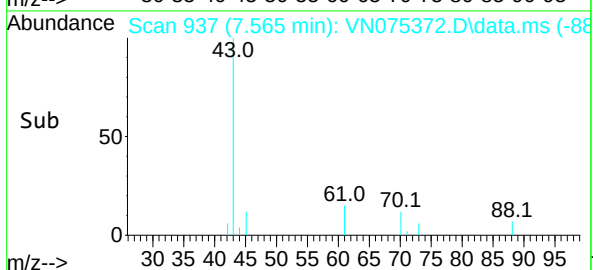
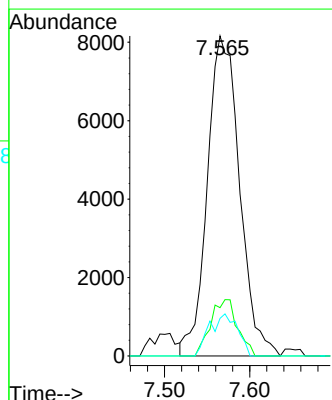
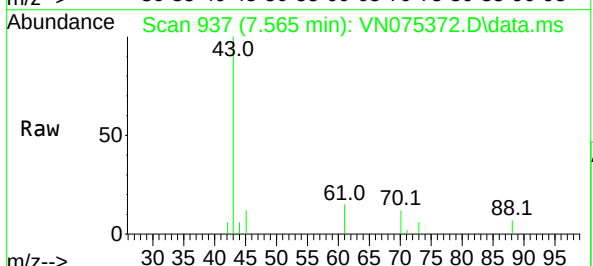
Tgt Ion: 43 Resp: 21446

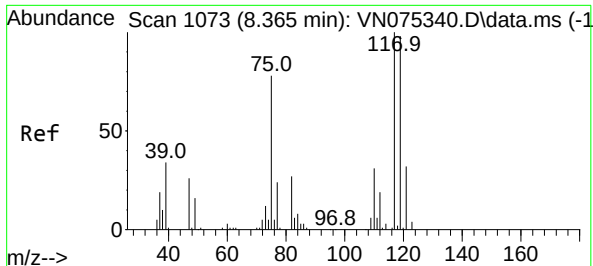
Ion Ratio Lower Upper

43 100

61 14.6 12.2 18.4

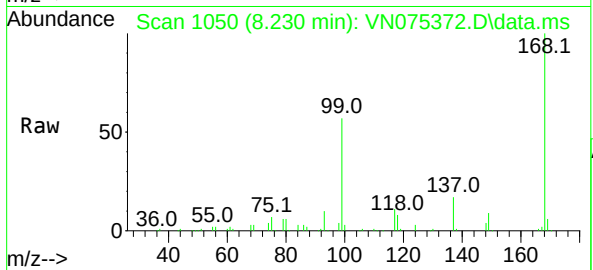
70 11.5 9.4 14.2



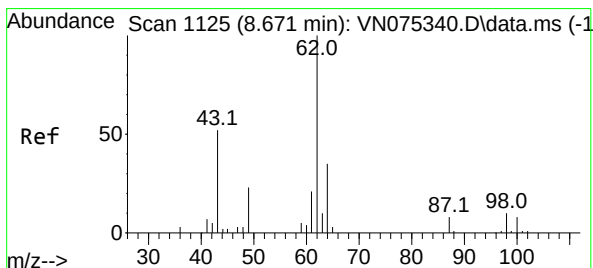
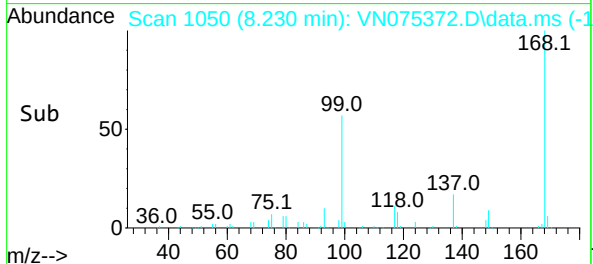
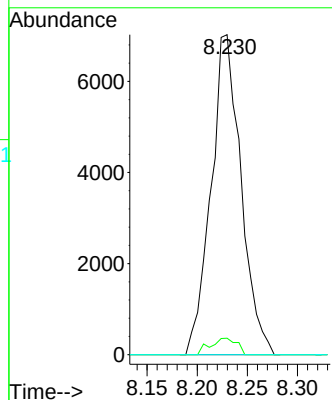


#38
Carbon Tetrachloride
Concen: 6.098 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

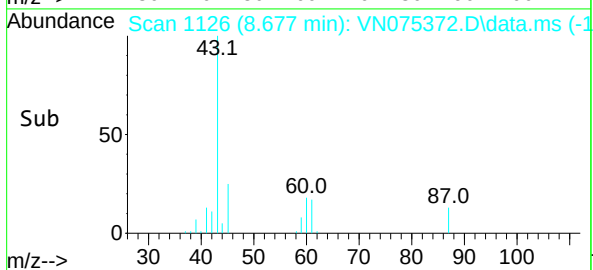
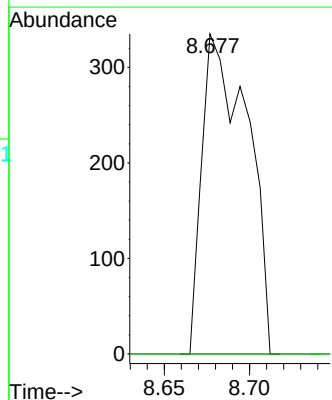
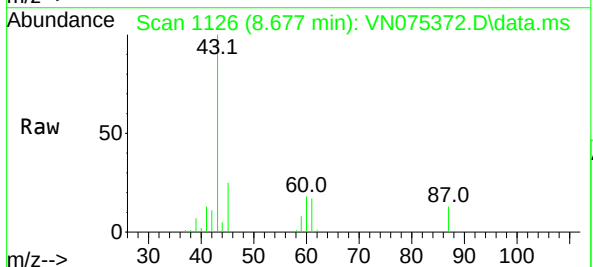


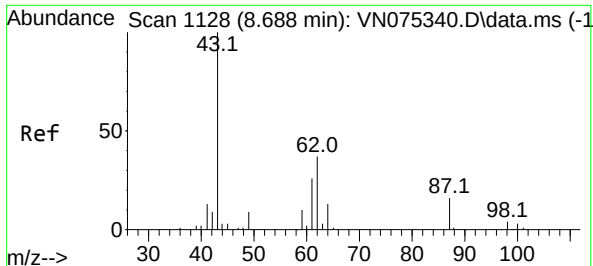
Tgt Ion:117 Resp: 14615
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.277 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 62 Resp: 620
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 49.589 ug/l

RT: 8.694 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN075372.D

Acq: 22 Nov 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#04

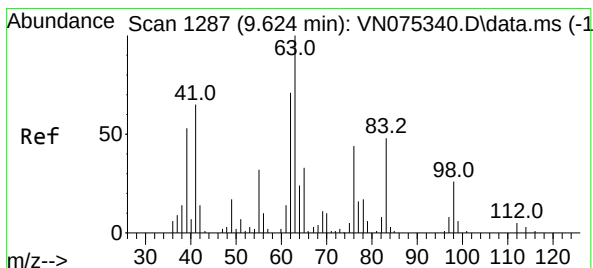
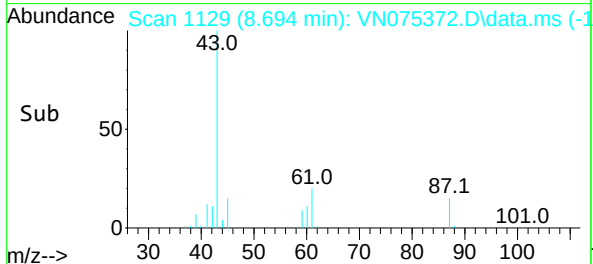
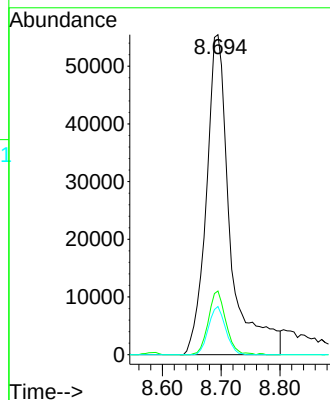
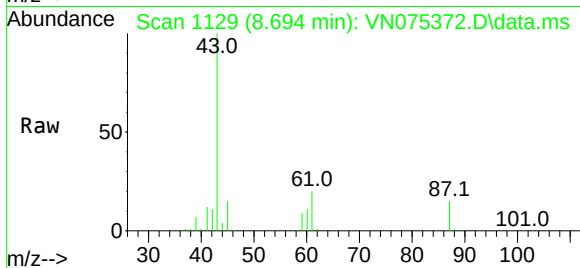
Tgt Ion: 43 Resp: 156374

Ion Ratio Lower Upper

43 100

61 14.5 22.4 33.6#

87 10.7 12.5 18.7#



#45

1,2-Dichloropropane

Concen: 0.850 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.117 min

Lab File: VN075372.D

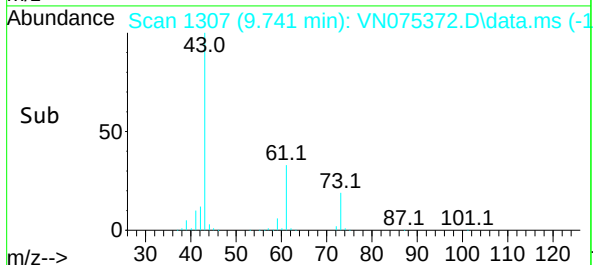
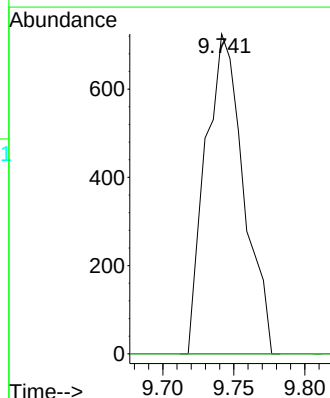
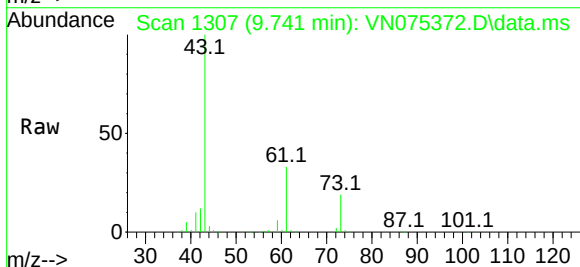
Acq: 22 Nov 2022 16:55

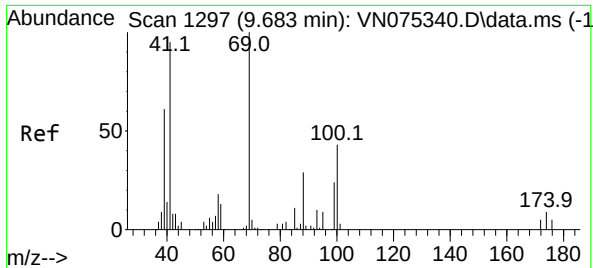
Tgt Ion: 63 Resp: 1353

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#

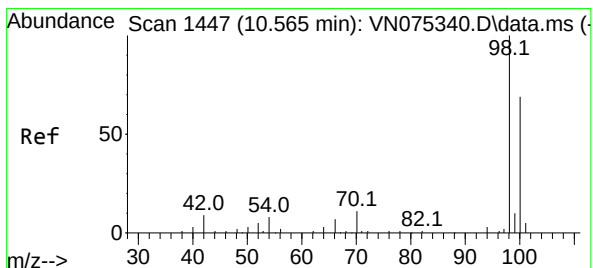
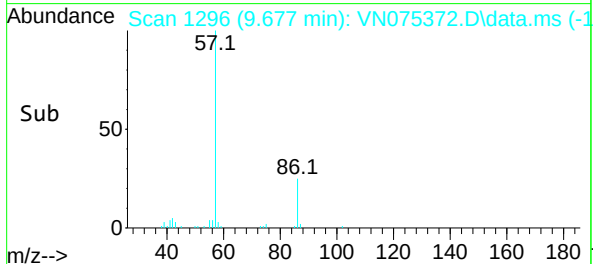
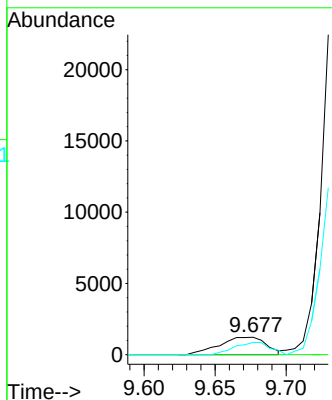
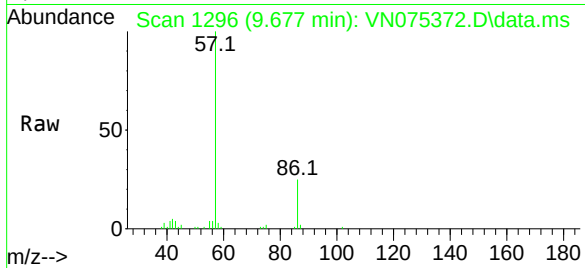




#48
Methyl methacrylate
Concen: 1.933 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

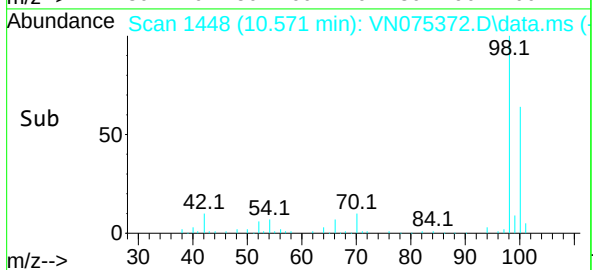
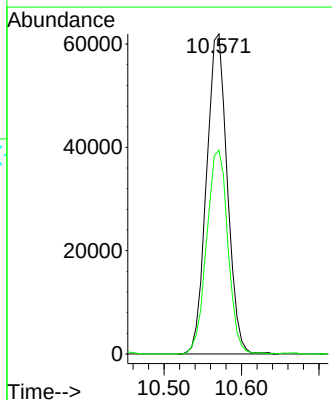
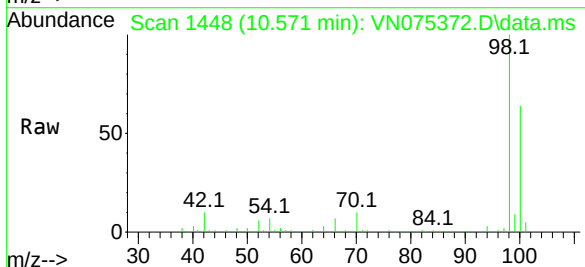
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

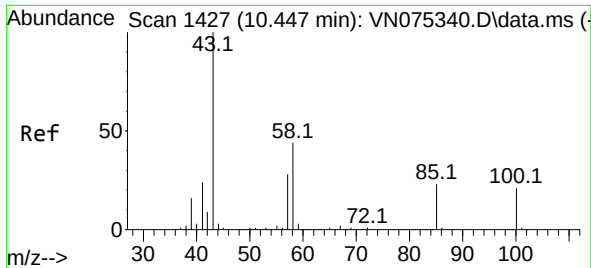
Tgt Ion: 41 Resp: 2818
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 53.8 56.2 84.2#



#50
Toluene-d8
Concen: 51.199 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 98 Resp: 115372
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6

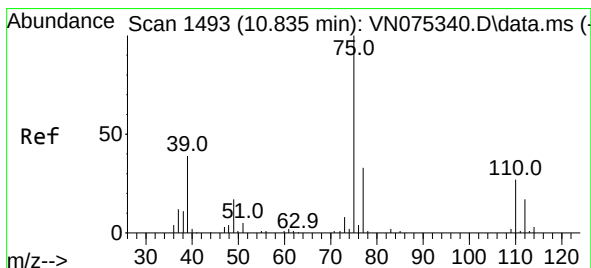
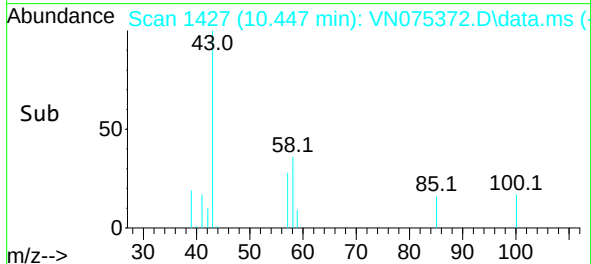
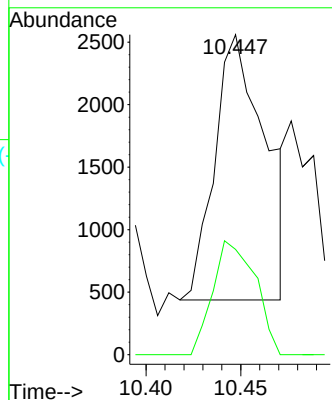
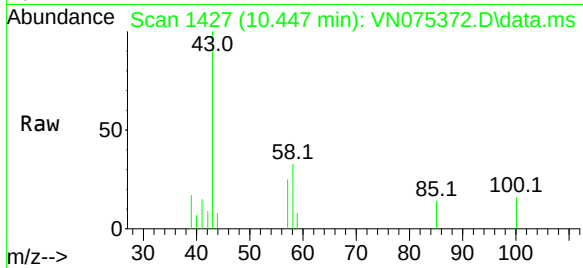




#51
4-Methyl-2-Pentanone
Concen: 1.962 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

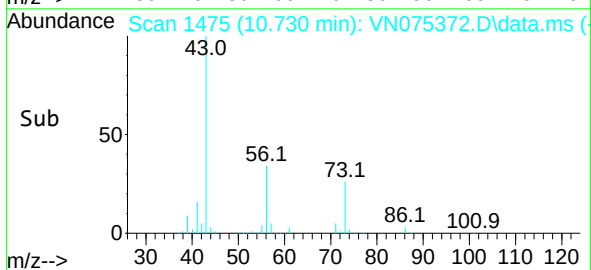
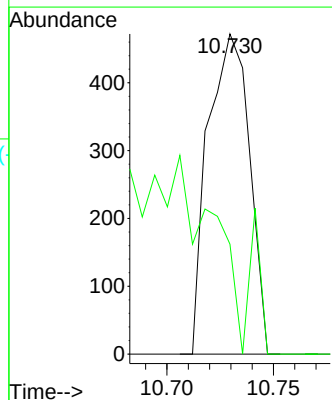
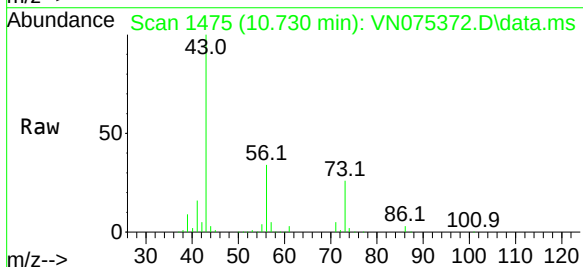
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

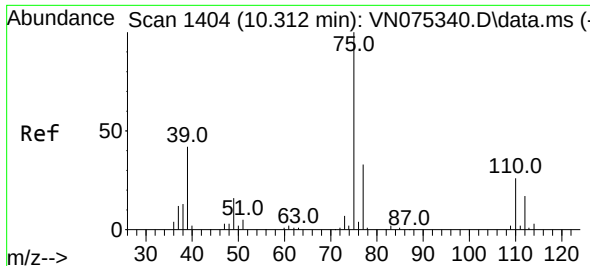
Tgt Ion: 43 Resp: 3941
Ion Ratio Lower Upper
43 100
58 36.2 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.105 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 75 Resp: 639
Ion Ratio Lower Upper
75 100
77 34.3 25.4 38.2

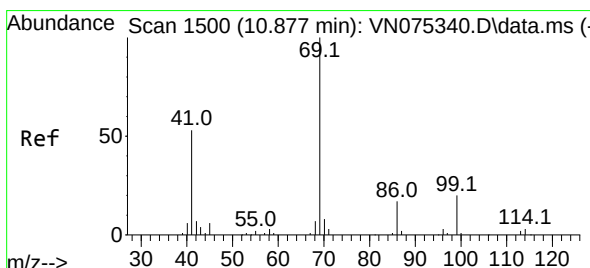
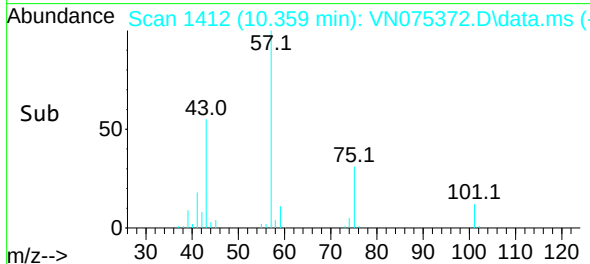
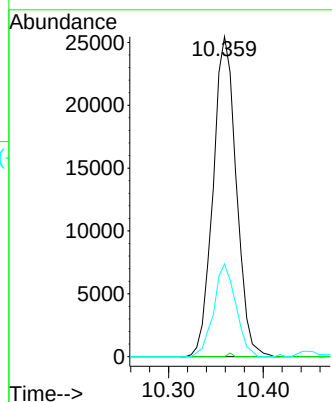
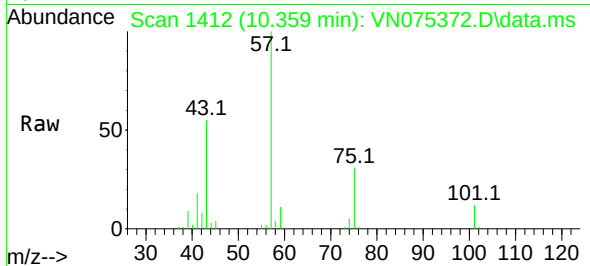




#54
 cis-1,3-Dichloropropene
 Concen: 17.042 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN075372.D
 Acq: 22 Nov 2022 16:55

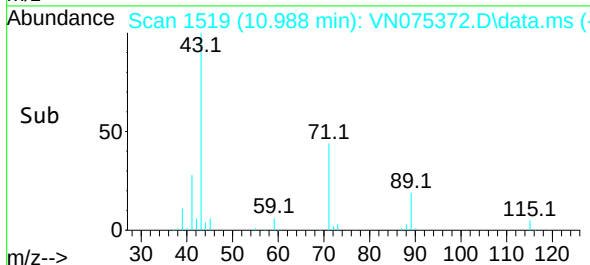
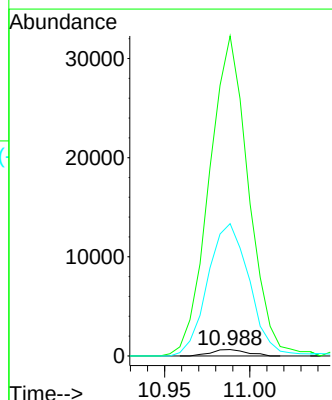
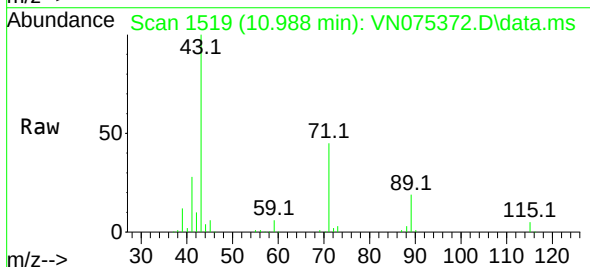
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#04

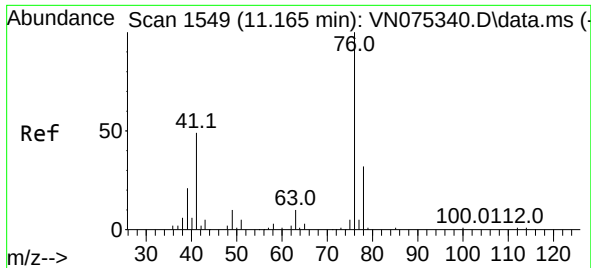
Tgt Ion: 75 Resp: 43330
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 29.0 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.395 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075372.D
 Acq: 22 Nov 2022 16:55

Tgt Ion: 69 Resp: 935
 Ion Ratio Lower Upper
 69 100
 41 5561.2 45.6 68.4#
 39 2437.1 28.5 42.7#

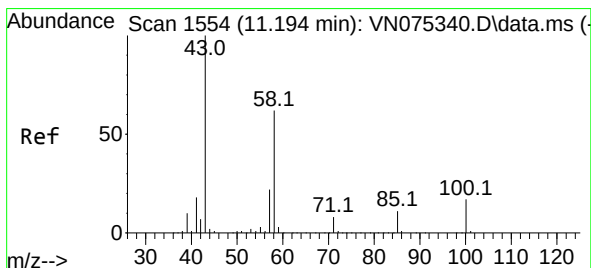
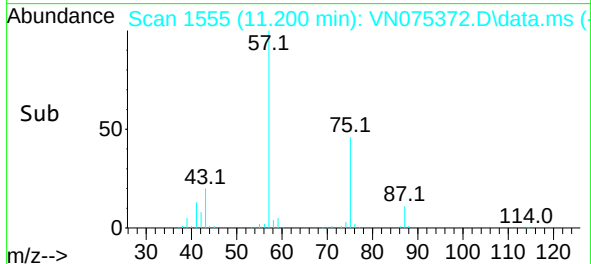
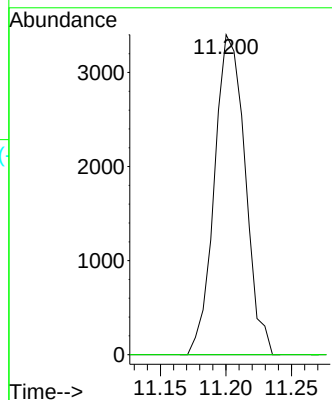
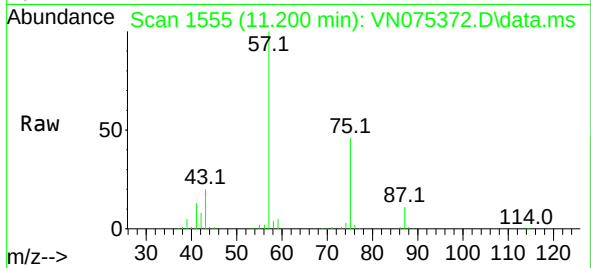




#57
1,3-Dichloropropane
Concen: 1.937 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

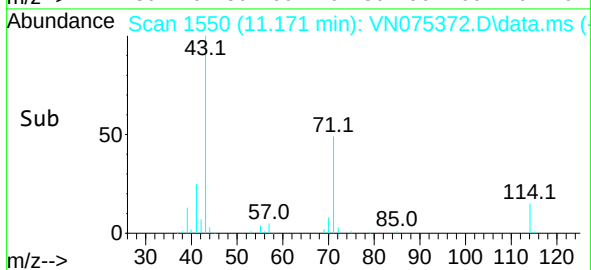
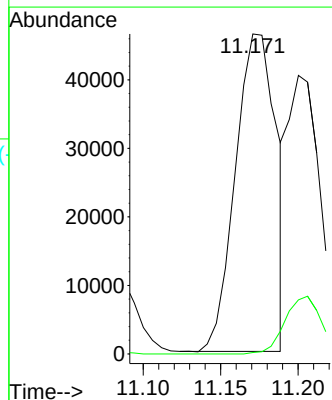
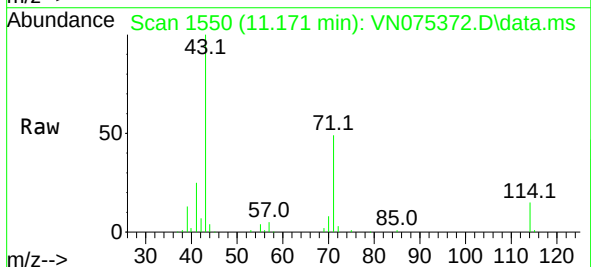
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

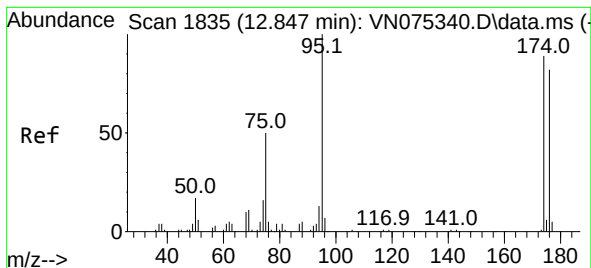
Tgt Ion: 76 Resp: 5537
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 56.342 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.023 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 43 Resp: 84973
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#

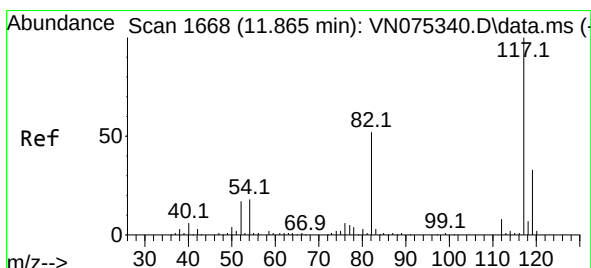
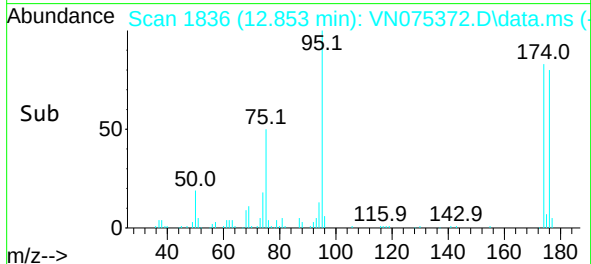
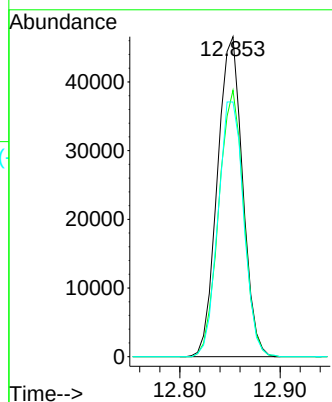
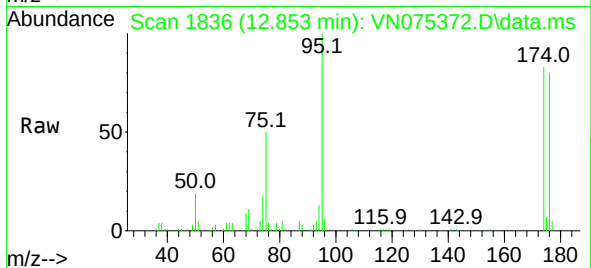




#62
4-Bromofluorobenzene
Concen: 48.785 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

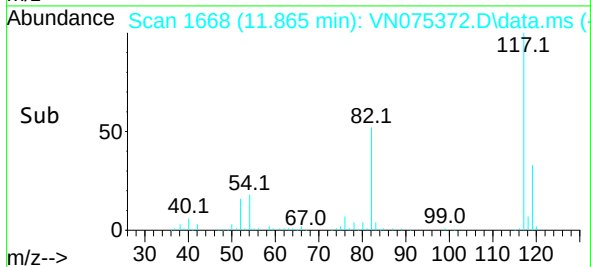
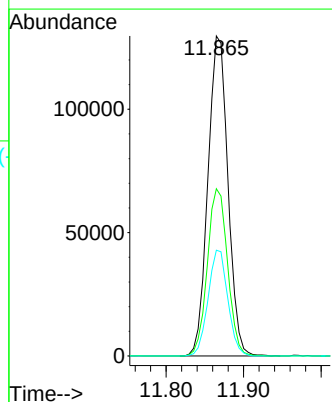
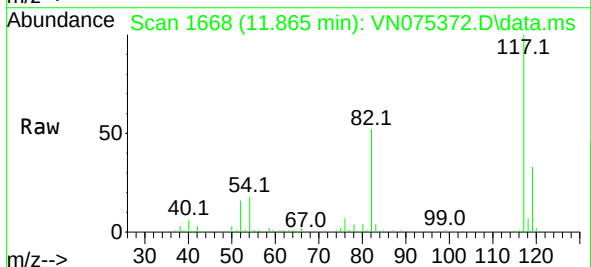
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

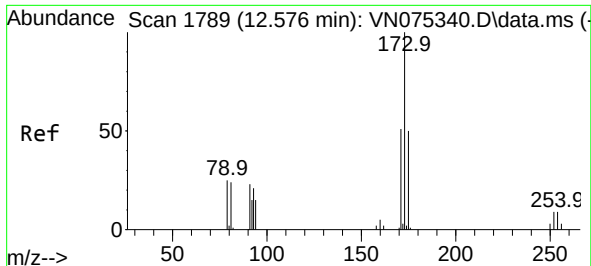
Tgt Ion: 95 Resp: 81142
Ion Ratio Lower Upper
95 100
174 82.0 0.0 147.4
176 81.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion: 117 Resp: 233392
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 33.1 25.5 38.3

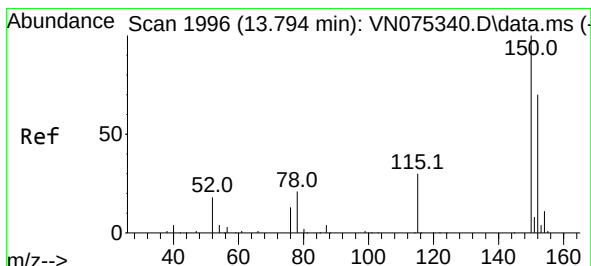
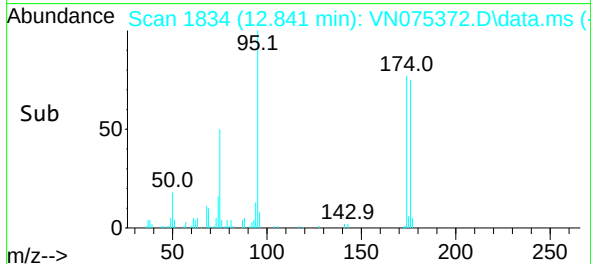
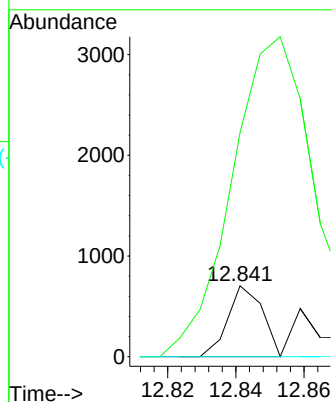
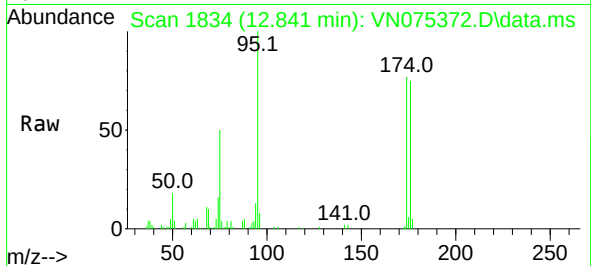




#71
Bromoform
Concen: 0.362 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.265 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

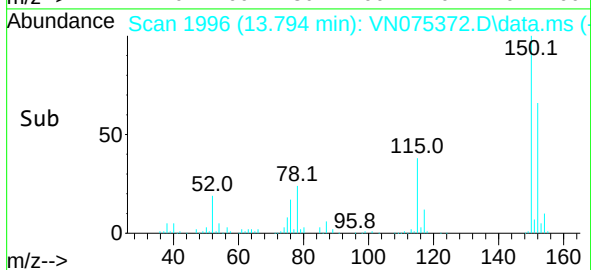
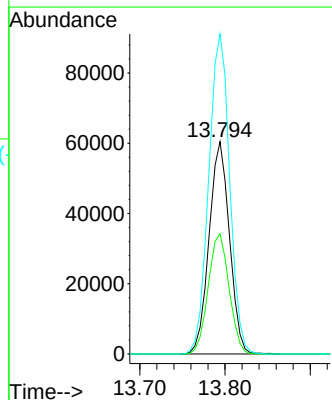
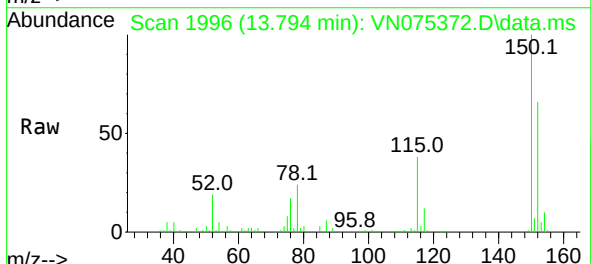
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#04

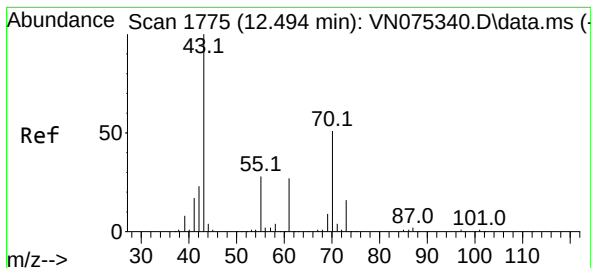
Tgt Ion:173 Resp: 496
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075372.D
Acq: 22 Nov 2022 16:55

Tgt Ion:152 Resp: 100408
Ion Ratio Lower Upper
152 100
115 57.7 30.2 90.6
150 154.3 0.0 348.4





#74

N-amy1 acetate

Concen: 0.381 ug/l

RT: 12.494 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN075372.D

Acq: 22 Nov 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#04

Tgt Ion: 43 Resp: 859

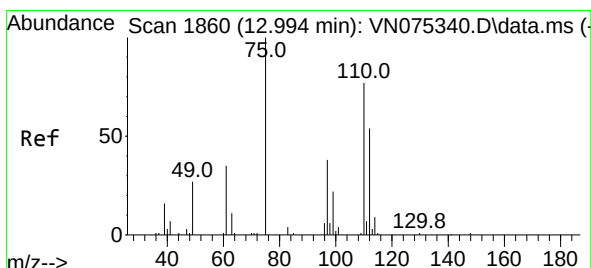
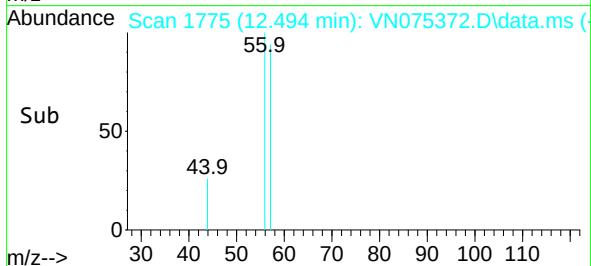
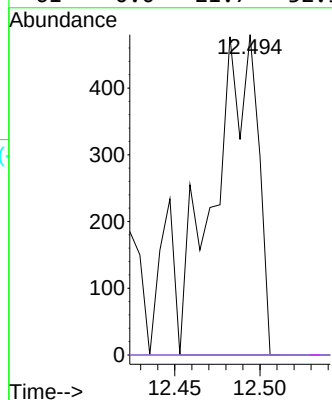
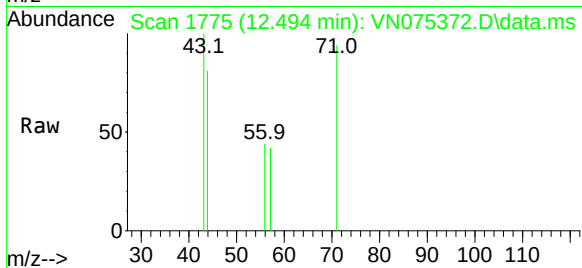
Ion Ratio Lower Upper

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: 21.524 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075372.D

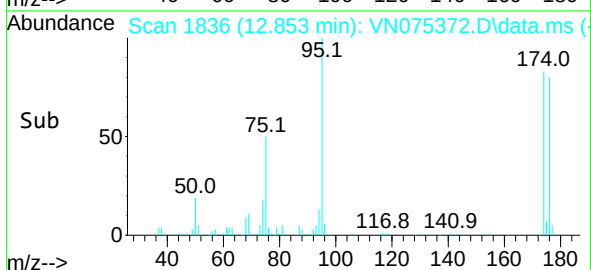
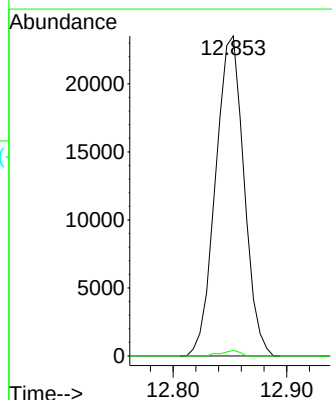
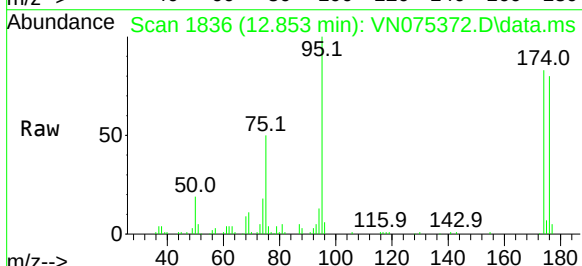
Acq: 22 Nov 2022 16:55

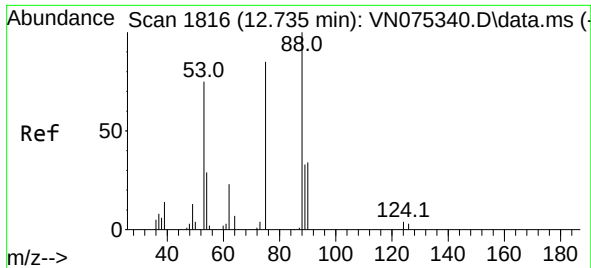
Tgt Ion: 75 Resp: 40862

Ion Ratio Lower Upper

75 100

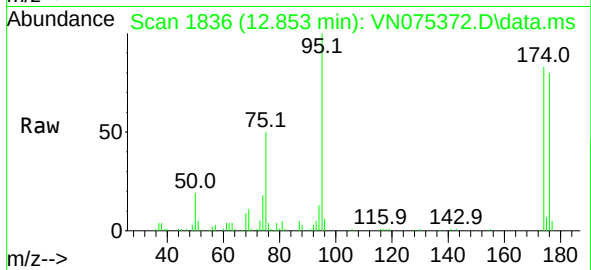
77 1.1 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.684 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075372.D
 Acq: 22 Nov 2022 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#04



Tgt Ion: 75 Resp: 40862
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.2 37.7 56.5#

