

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075149.D
 Acq On : 03 Nov 2022 17:13
 Operator : JC\MD
 Sample : PB148771ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148771ZHE#01

Quant Time: Nov 04 04:11:26 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)

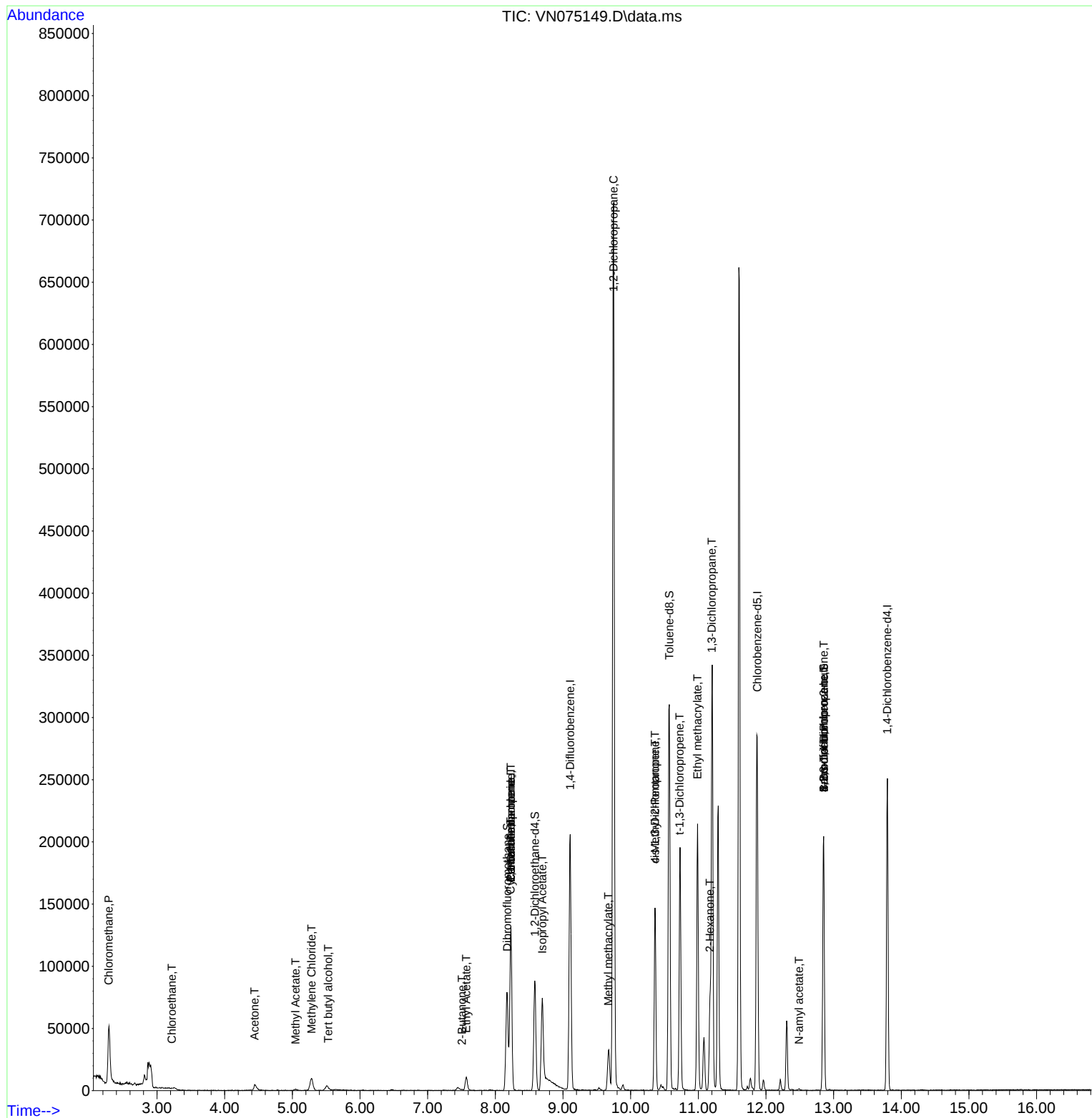
Internal Standards						
1) Pentafluorobenzene	8.230	168	90278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	176305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	167509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	62841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	72362	59.489	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.980%			
35) Dibromofluoromethane	8.177	113	56051	54.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.320%			
50) Toluene-d8	10.571	98	219803	54.738	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.480%			
62) 4-Bromofluorobenzene	12.853	95	68899	48.845	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.680%			
Target Compounds					Qvalue	
3) Chloromethane	2.283	50	1587	1.272	ug/l #	42
5) Bromomethane	2.918	94	113	Below Cal	#	71
6) Chloroethane	3.218	64	688	0.539	ug/l #	45
11) Tert butyl alcohol	5.530	59	3704	13.058	ug/l #	72
16) Acetone	4.442	43	8810	17.105	ug/l	97
18) Methyl Acetate	5.047	43	2205	1.311	ug/l #	62
20) Methylene Chloride	5.283	84	8241	7.176	ug/l #	85
25) 2-Butanone	7.506	43	1448	1.787	ug/l #	43
31) Cyclohexane	8.224	56	2158	1.193	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	8126	5.071	ug/l #	49
37) Ethyl Acetate	7.571	43	15609	8.883	ug/l	98
38) Carbon Tetrachloride	8.230	117	9815	5.568	ug/l #	12
43) Isopropyl Acetate	8.694	43	93442	34.281	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	884	0.757	ug/l #	42
48) Methyl methacrylate	9.671	41	1993	1.594	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	51631	29.353	ug/l #	45
53) t-1,3-Dichloropropene	10.724	75	458	0.246	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	26918	13.650	ug/l #	68
56) Ethyl methacrylate	10.988	69	693	0.349	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3521	1.626	ug/l #	42
59) 2-Hexanone	11.171	43	56510	42.330	ug/l #	21
71) Bromoform	12.853	173	601	0.605	ug/l #	1
74) N-amyl acetate	12.488	43	574	0.308	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	37508	28.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	37508	72.161	ug/l #	10

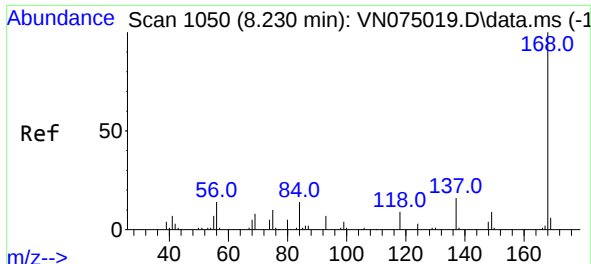
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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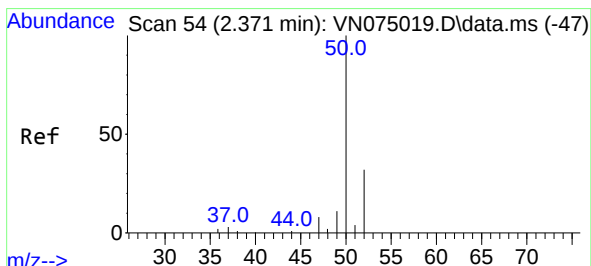
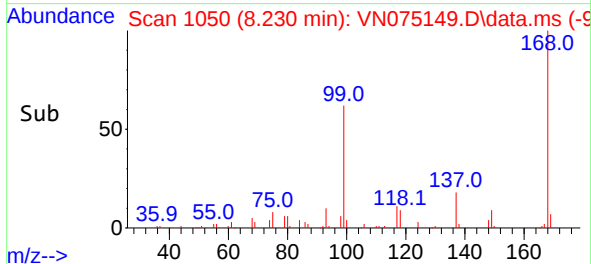
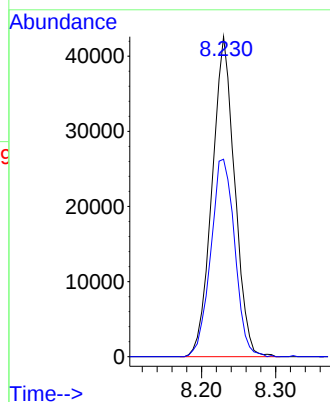
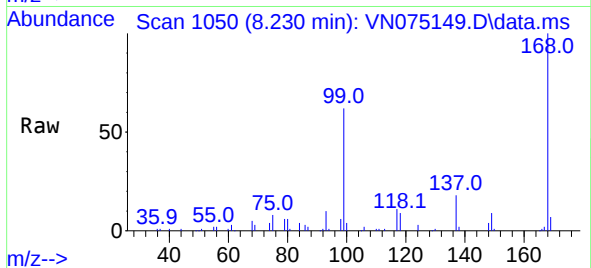




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

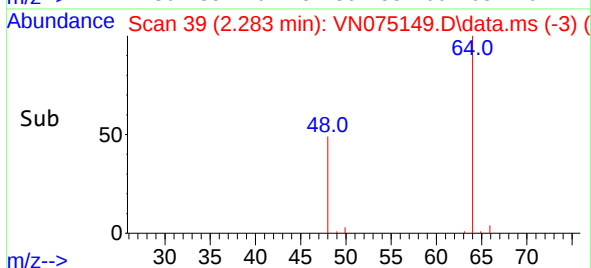
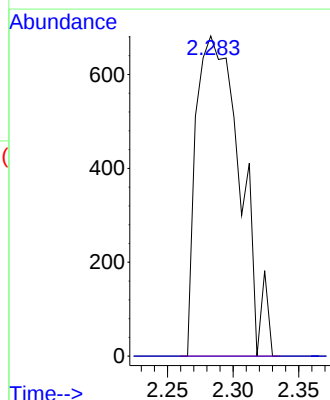
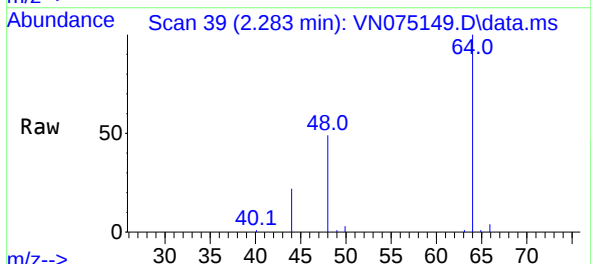
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

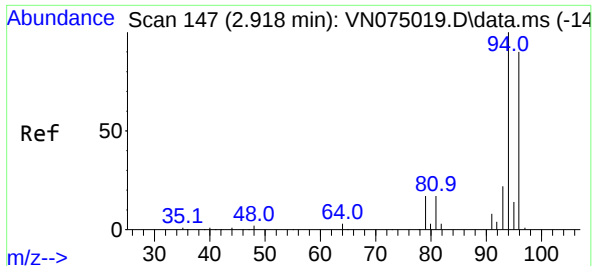
Tgt Ion:168 Resp: 90278
Ion Ratio Lower Upper
168 100
99 61.7 51.6 77.4



#3
Chloromethane
Concen: 1.272 ug/l
RT: 2.283 min Scan# 39
Delta R.T. -0.088 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 50 Resp: 1587
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

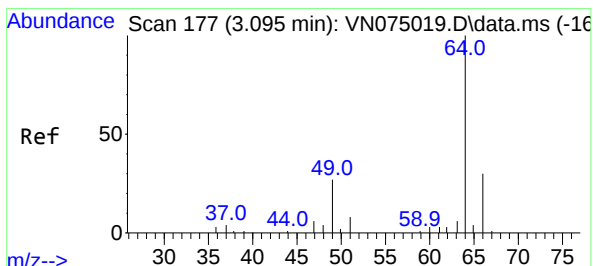
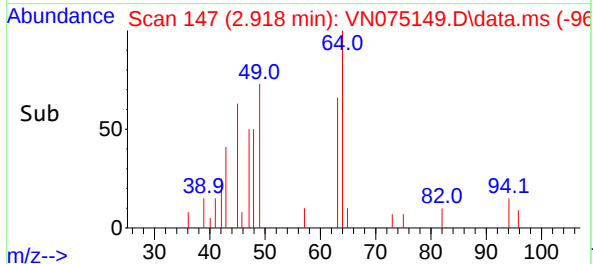
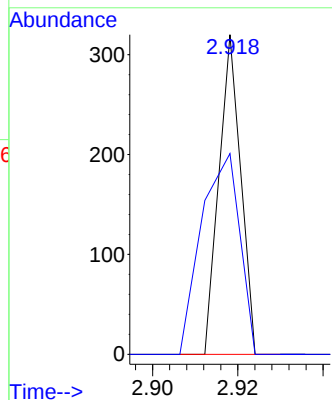
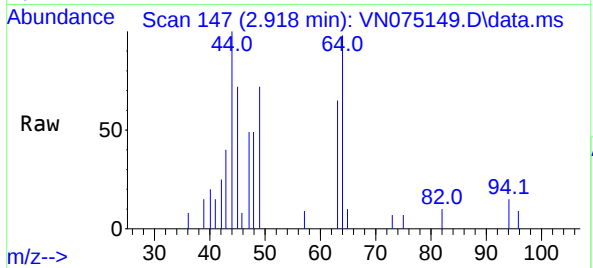




#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

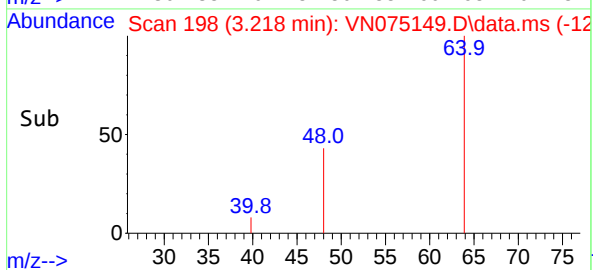
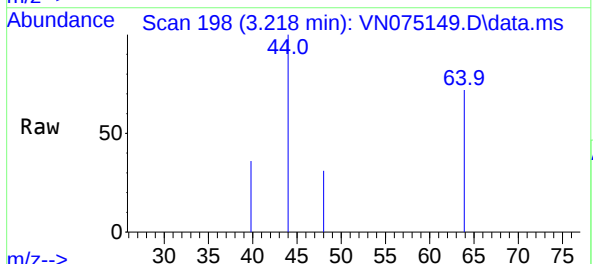
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

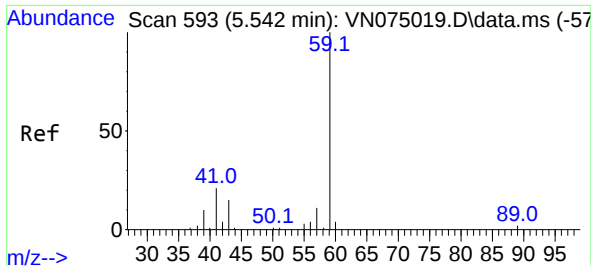
Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 62.8 71.8 107.6#



#6
Chloroethane
Concen: 0.539 ug/l
RT: 3.218 min Scan# 198
Delta R.T. 0.123 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 64 Resp: 688
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

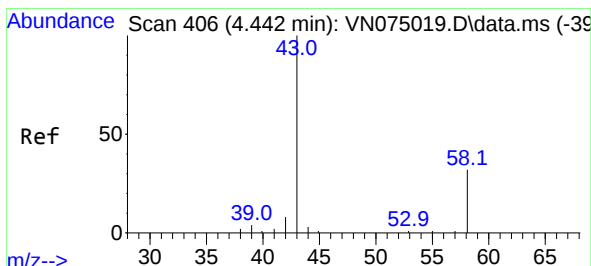
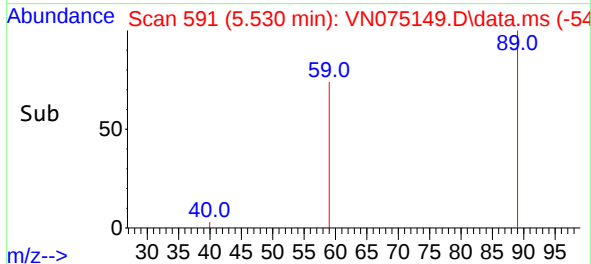
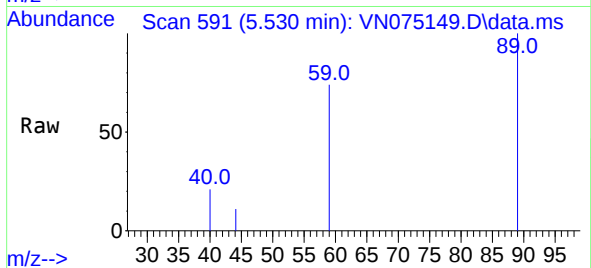




#11
Tert butyl alcohol
Concen: 13.058 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

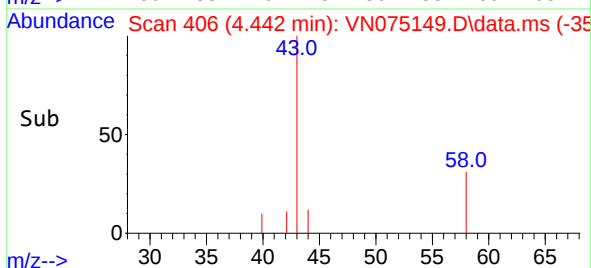
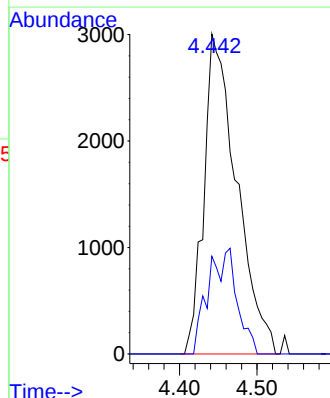
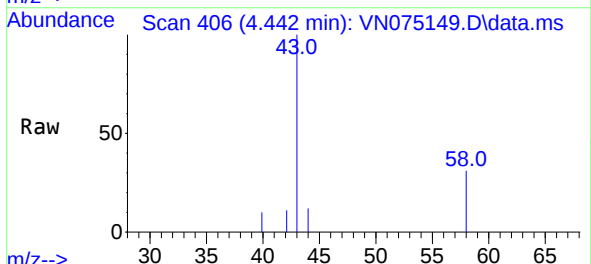
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

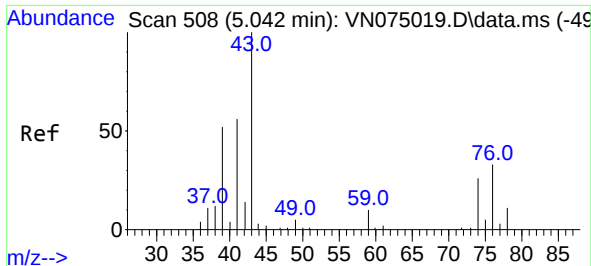
Tgt Ion: 59 Resp: 3704
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 17.105 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 43 Resp: 8810
Ion Ratio Lower Upper
43 100
58 30.5 25.5 38.3

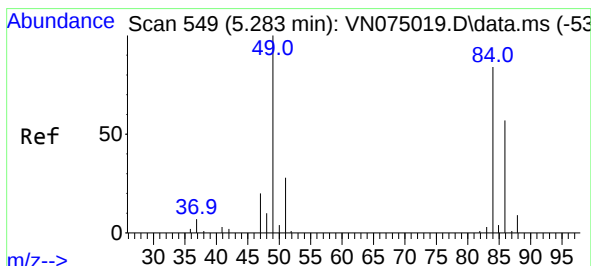
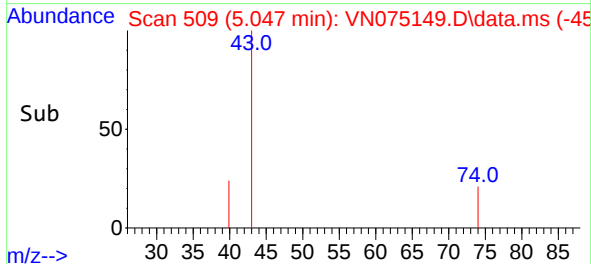
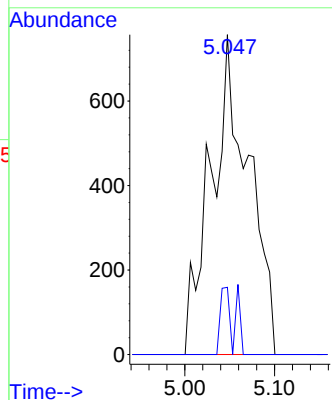
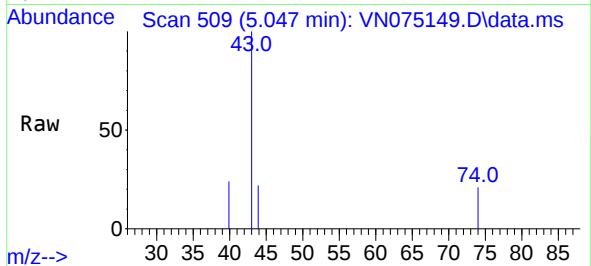




#18
Methyl Acetate
Concen: 1.311 ug/l
RT: 5.047 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

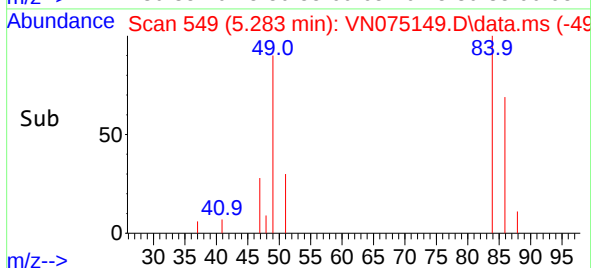
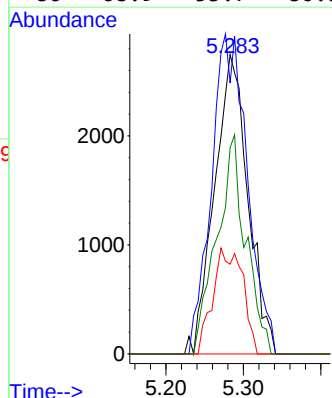
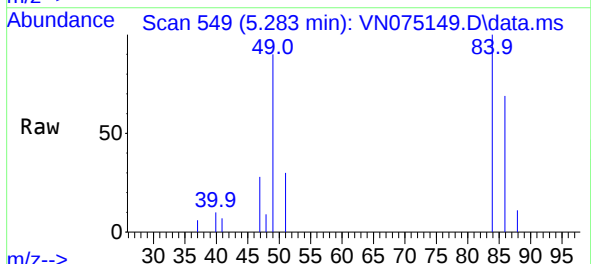
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

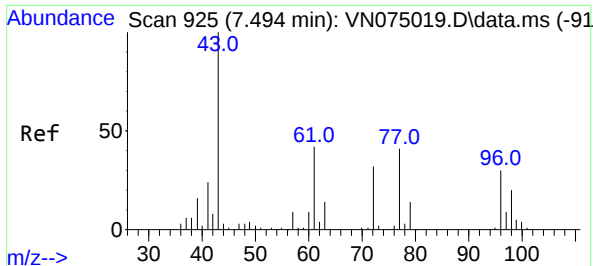
Tgt Ion: 43 Resp: 2205
Ion Ratio Lower Upper
43 100
74 7.7 22.0 33.0#



#20
Methylene Chloride
Concen: 7.176 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 84 Resp: 8241
Ion Ratio Lower Upper
84 100
49 90.5 94.9 142.3#
51 30.0 26.8 40.2
86 68.9 53.7 80.5

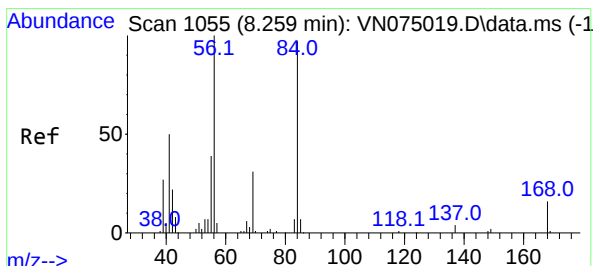
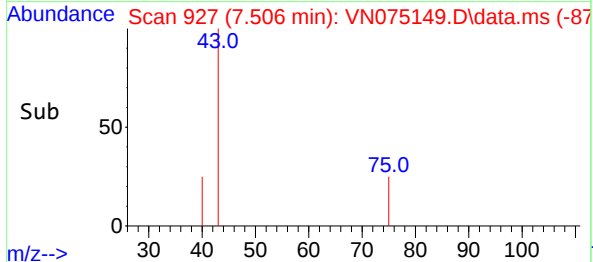
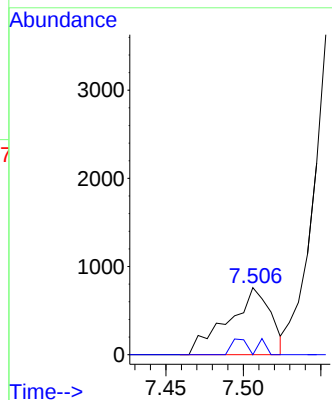
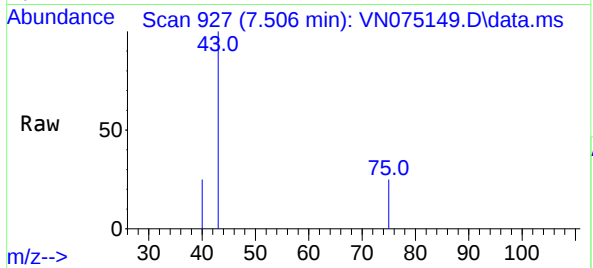




#25
2-Butanone
Concen: 1.787 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

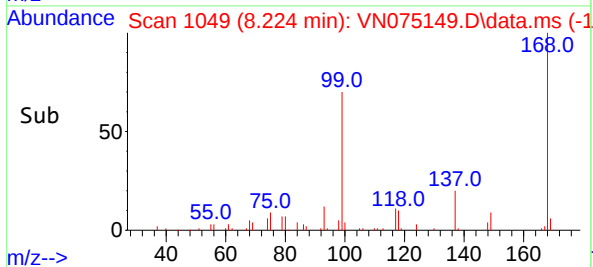
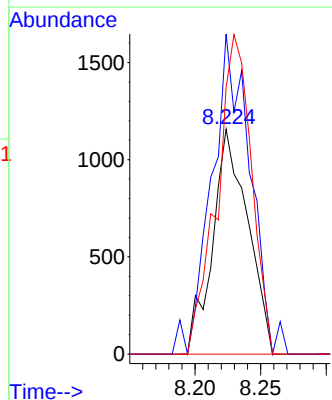
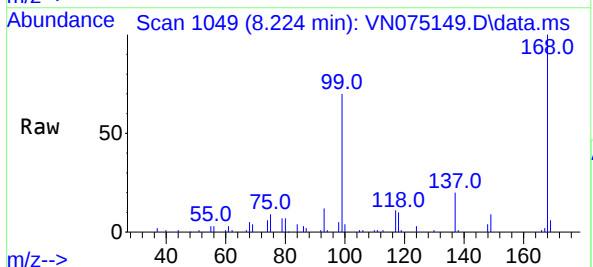
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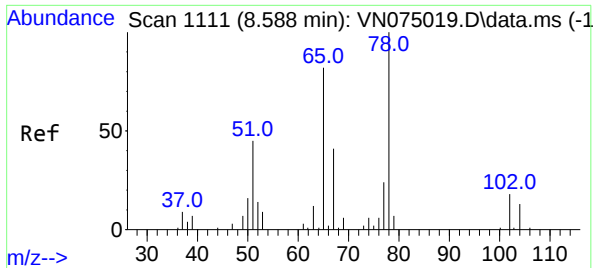
Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 56 Resp: 2158
Ion Ratio Lower Upper
56 100
69 127.9 25.2 37.8#
84 118.6 77.8 116.8#

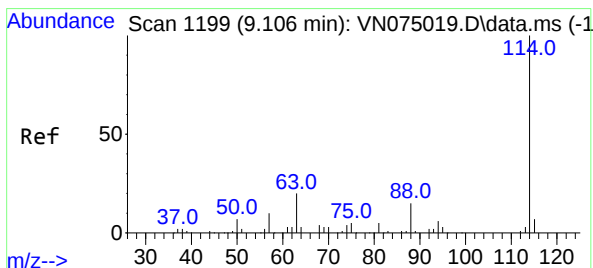
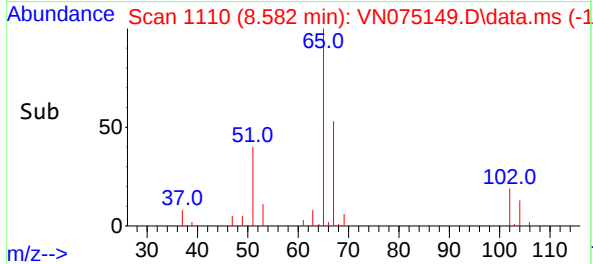
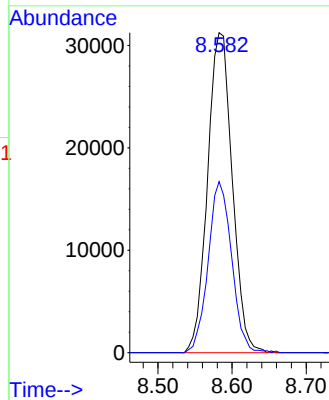
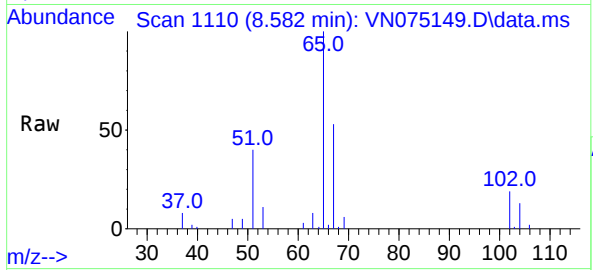




#33
1,2-Dichloroethane-d4
Concen: 59.489 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.005 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

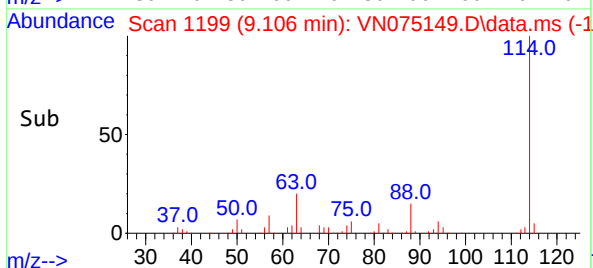
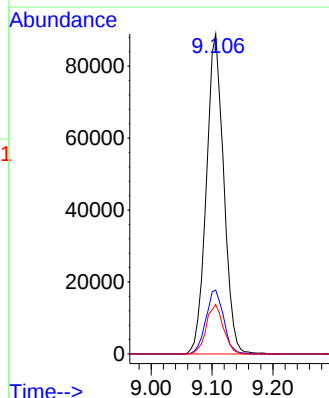
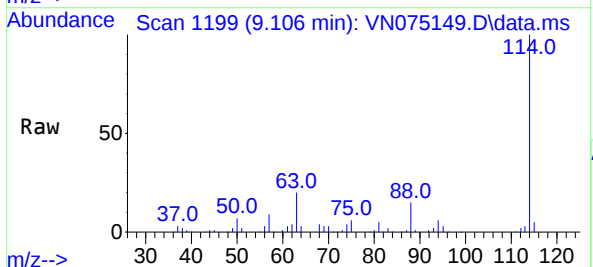
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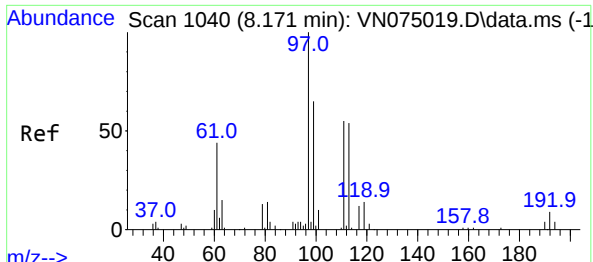
Tgt Ion: 65 Resp: 72362
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

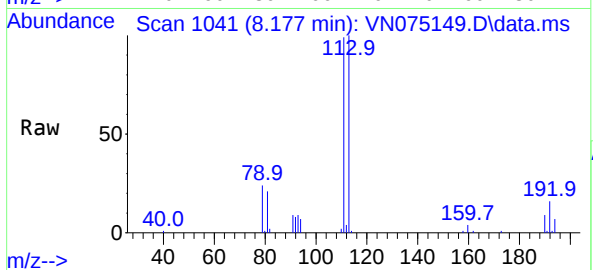
Tgt Ion: 114 Resp: 176305
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 15.5 0.0 29.0



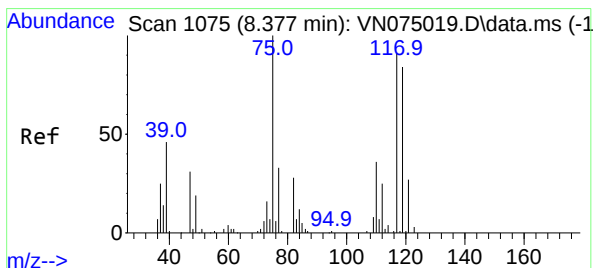
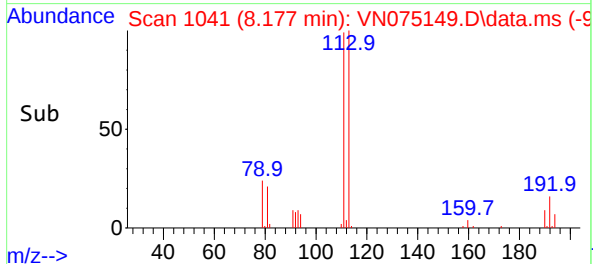
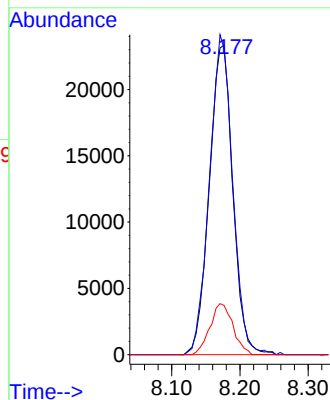


#35
Dibromofluoromethane
Concen: 54.156 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

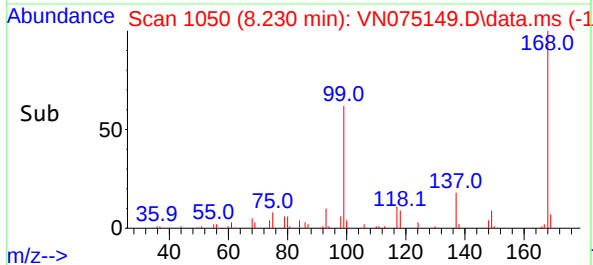
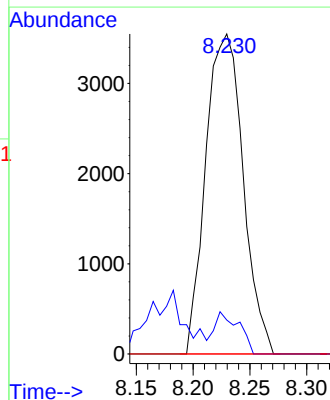
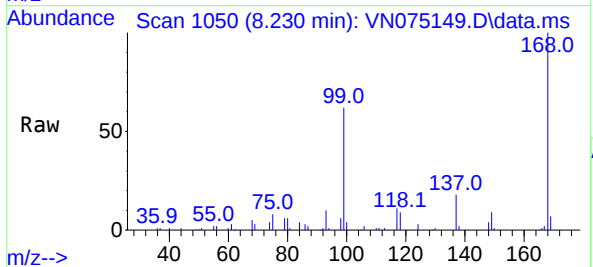


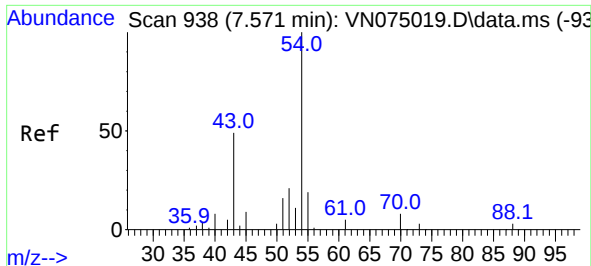
Tgt Ion:113 Resp: 56051
Ion Ratio Lower Upper
113 100
111 102.2 80.5 120.7
192 16.1 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 75 Resp: 8126
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 24.6 37.0#

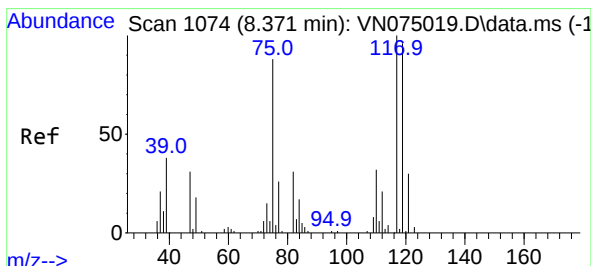
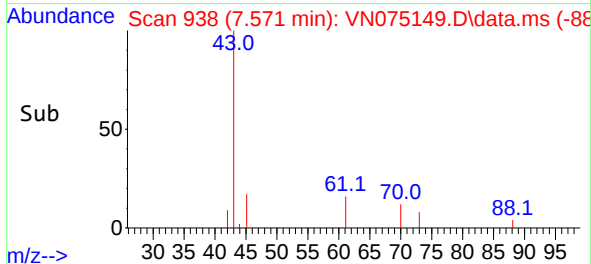
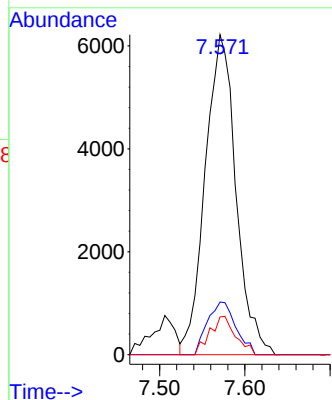
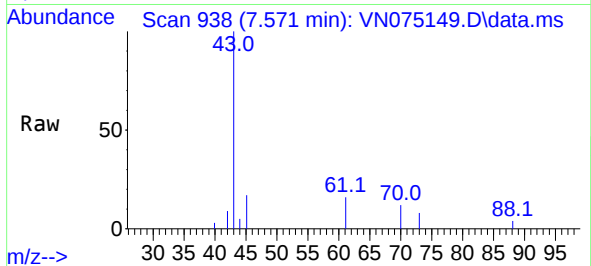




#37
Ethyl Acetate
Concen: 8.883 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

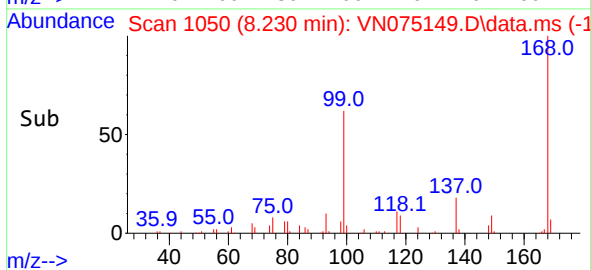
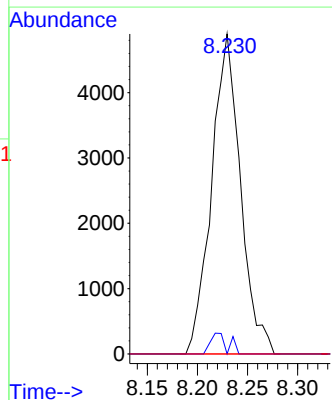
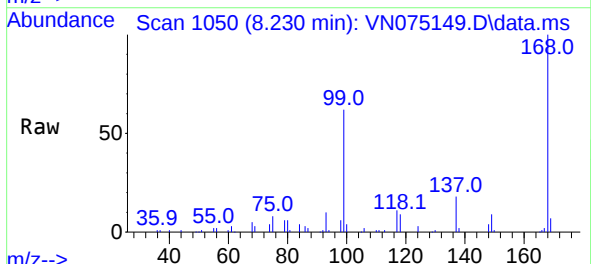
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

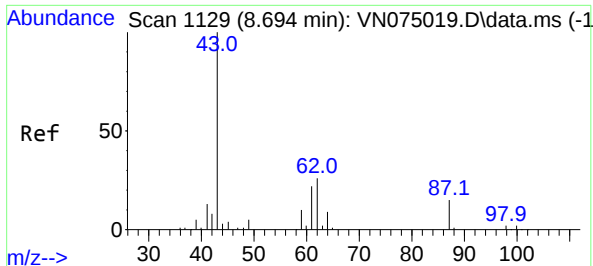
Tgt Ion:	43	Resp:	15609
Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.4
70	10.0	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion:	117	Resp:	9815
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.7	115.1#
121	0.0	23.9	35.9#

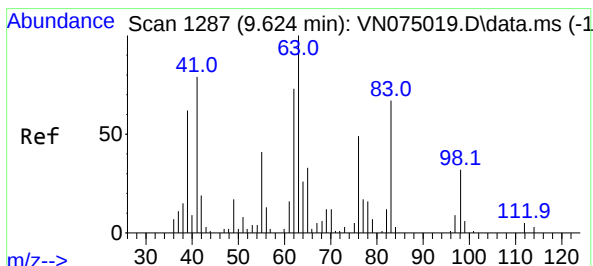
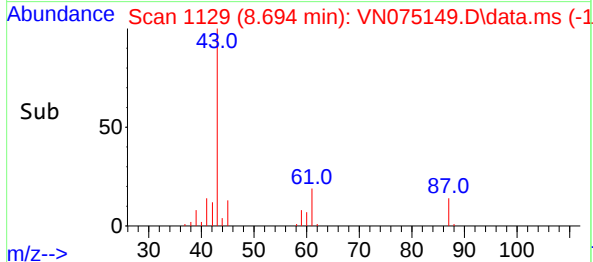
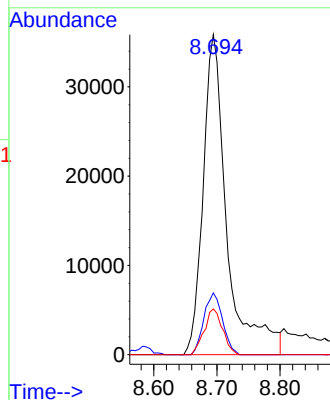
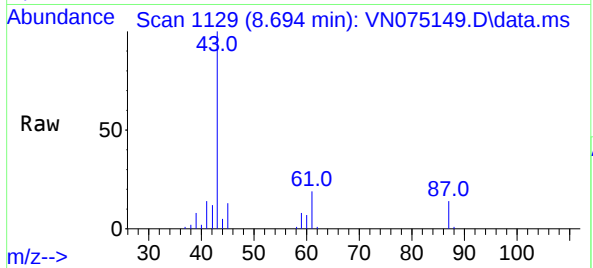




#43
Isopropyl Acetate
Concen: 34.281 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

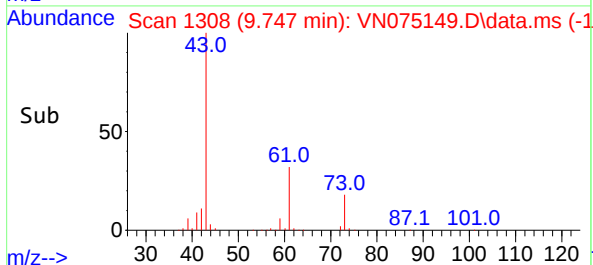
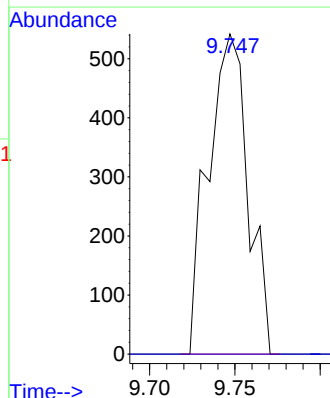
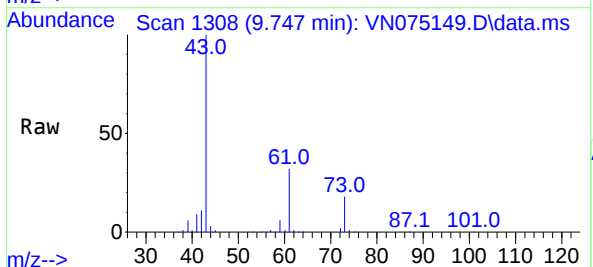
Instrument : MSVOA_N
ClientSampleId : PB148771ZHE#01

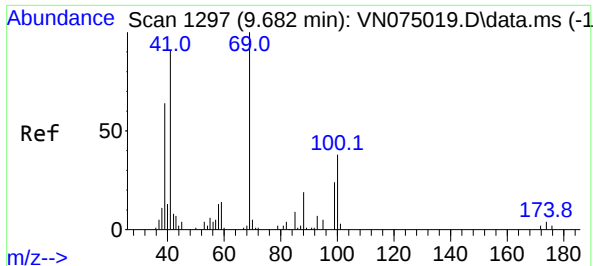
Tgt Ion: 43 Resp: 93442
Ion Ratio Lower Upper
43 100
61 15.2 22.4 33.6#
87 11.1 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.757 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 63 Resp: 884
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.594 ug/l

RT: 9.671 min Scan# 1297

Delta R.T. -0.011 min

Lab File: VN075149.D

Acq: 03 Nov 2022 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB148771ZHE#01

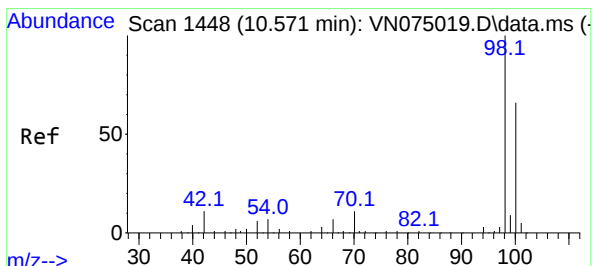
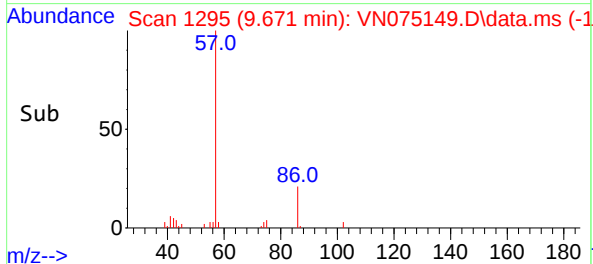
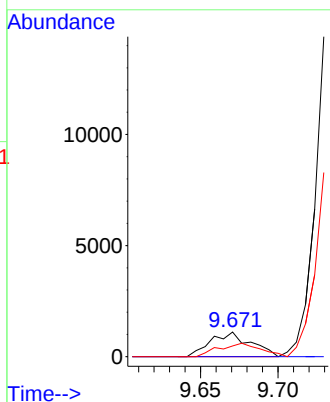
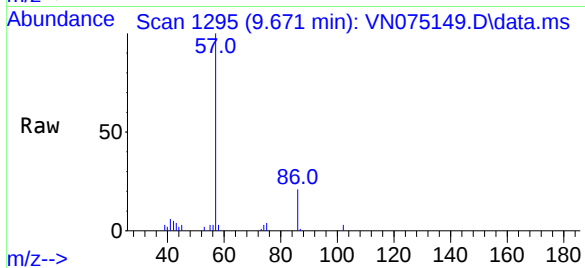
Tgt Ion: 41 Resp: 1993

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.6 56.2 84.2



#50

Toluene-d8

Concen: 54.738 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075149.D

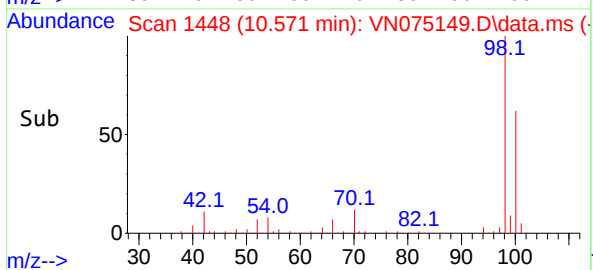
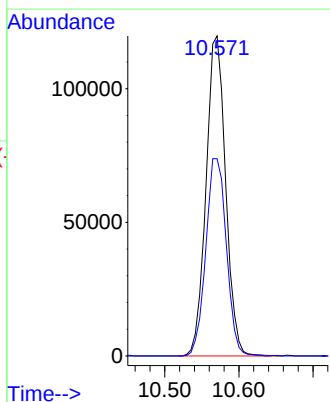
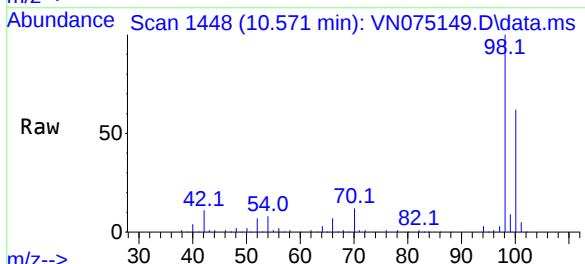
Acq: 03 Nov 2022 17:13

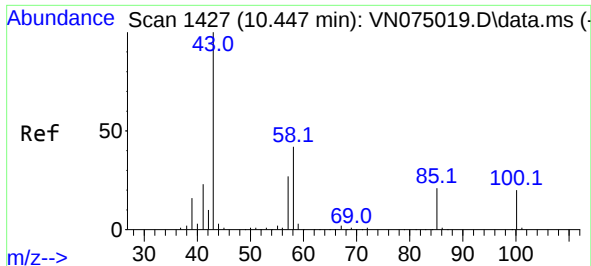
Tgt Ion: 98 Resp: 219803

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.6

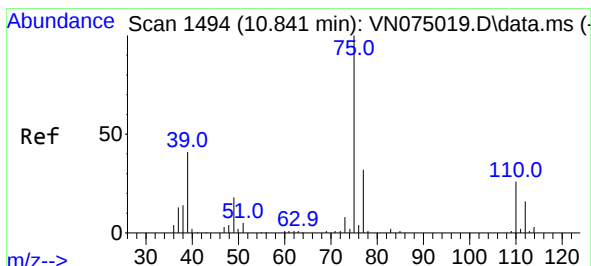
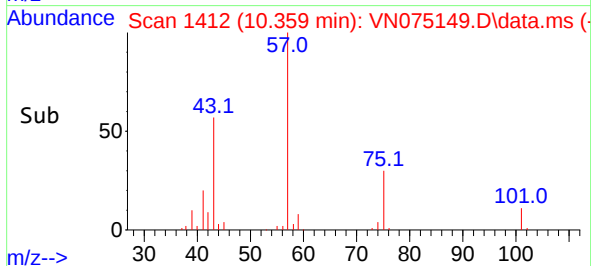
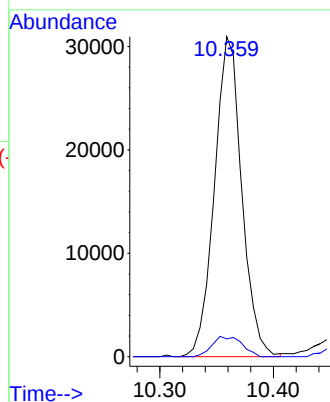
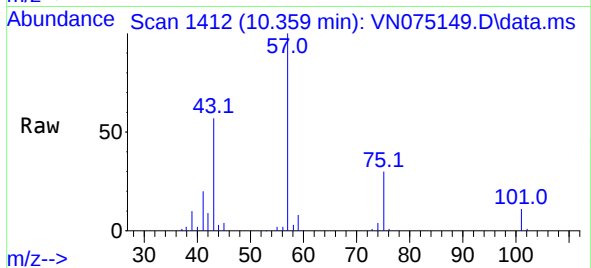




#51
4-Methyl-2-Pentanone
Concen: 29.353 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

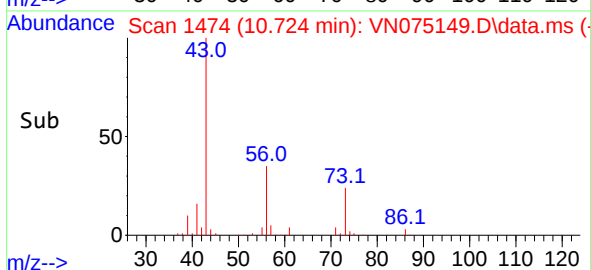
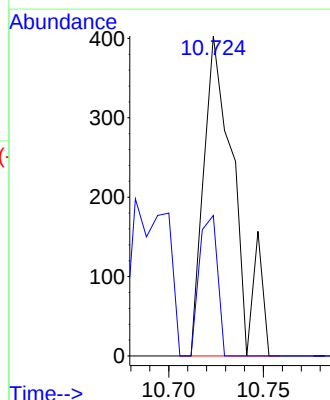
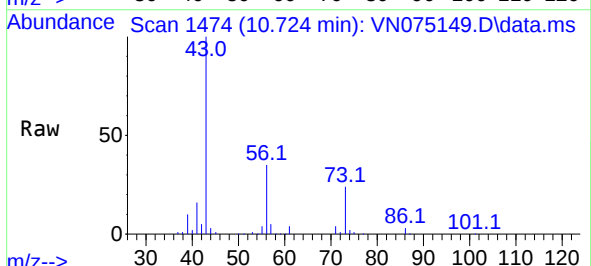
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

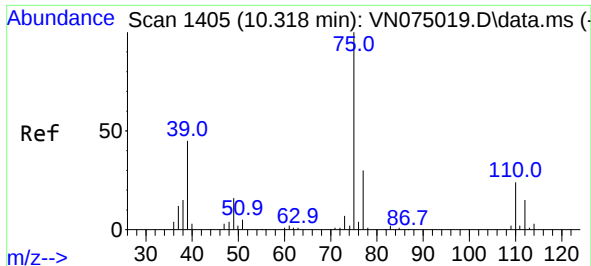
Tgt Ion: 43 Resp: 51631
Ion Ratio Lower Upper
43 100
58 6.9 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.246 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.117 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 75 Resp: 458
Ion Ratio Lower Upper
75 100
77 43.9 25.4 38.2#

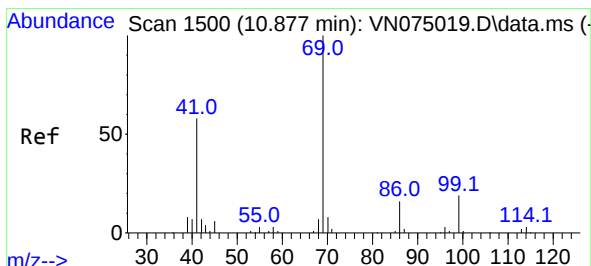
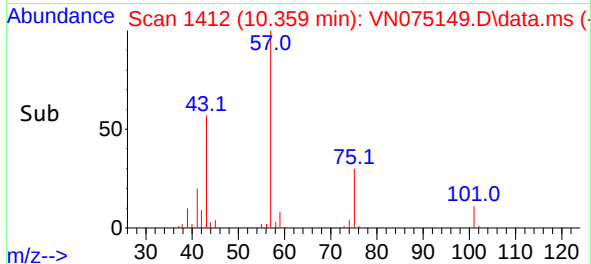
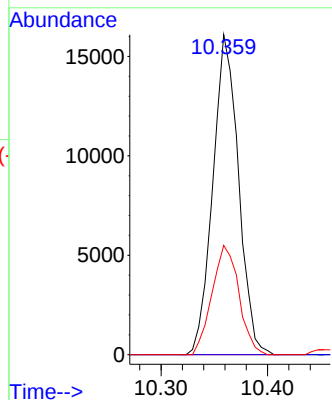
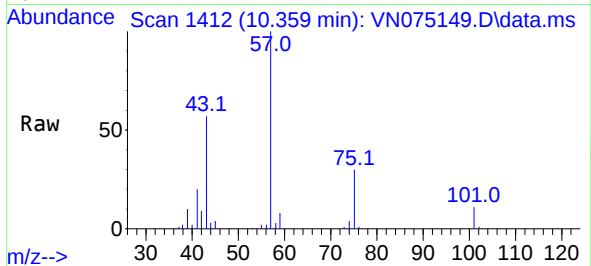




#54
cis-1,3-Dichloropropene
Concen: 13.650 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

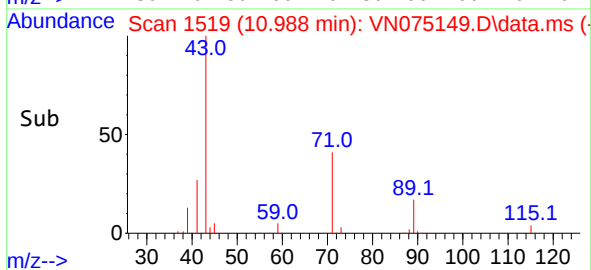
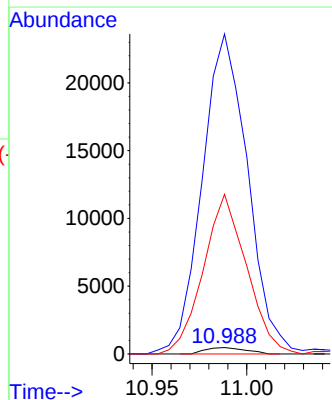
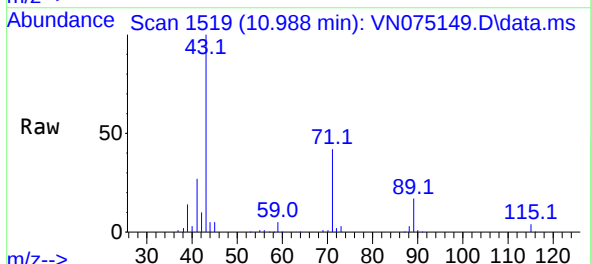
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

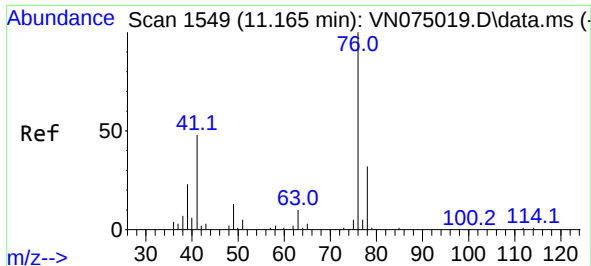
Tgt Ion: 75 Resp: 26918
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 34.2 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.349 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 69 Resp: 693
Ion Ratio Lower Upper
69 100
41 5747.5 45.6 68.4#
39 2695.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.626 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075149.D

Acq: 03 Nov 2022 17:13

Instrument :

MSVOA_N

ClientSampleId :

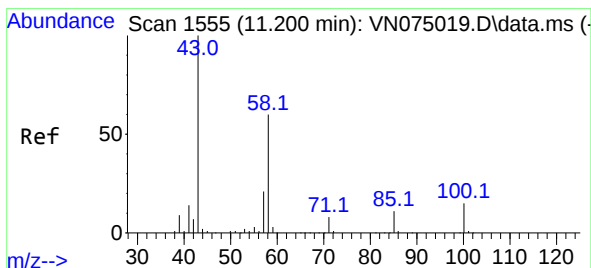
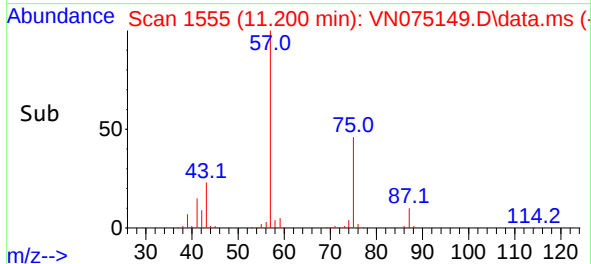
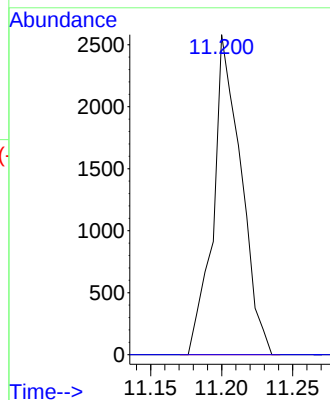
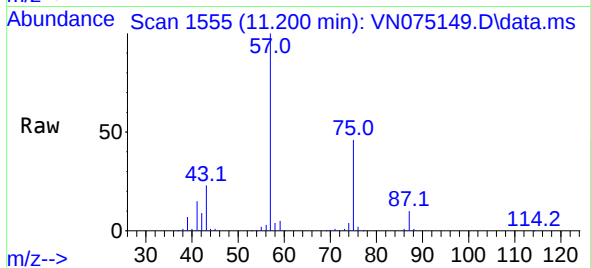
PB148771ZHE#01

Tgt Ion: 76 Resp: 3521

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 42.330 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075149.D

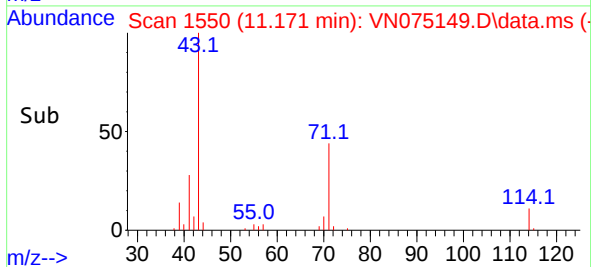
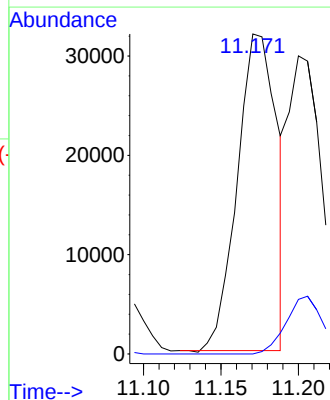
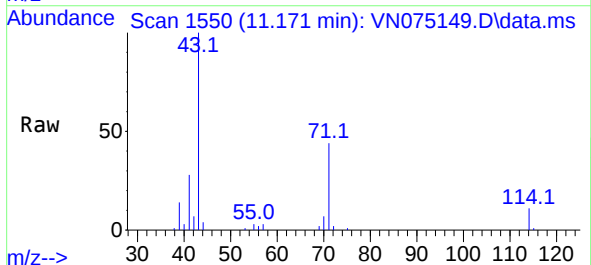
Acq: 03 Nov 2022 17:13

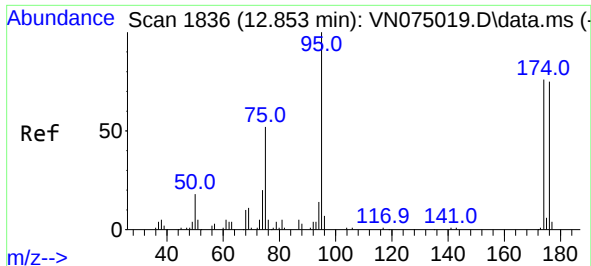
Tgt Ion: 43 Resp: 56510

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

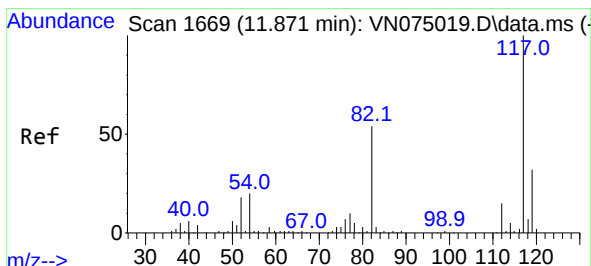
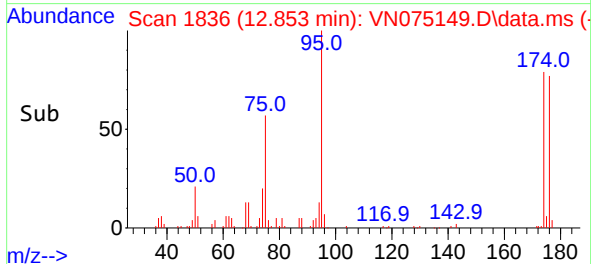
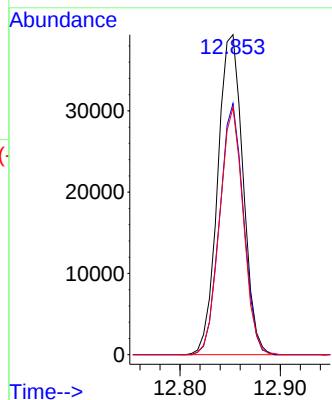
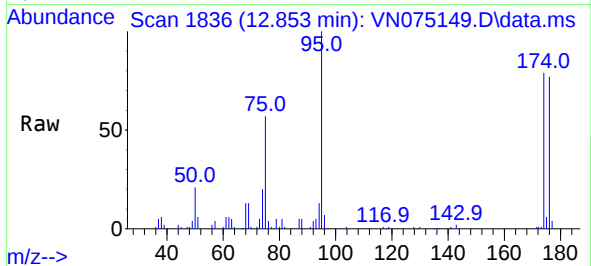




#62
4-Bromofluorobenzene
Concen: 48.845 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

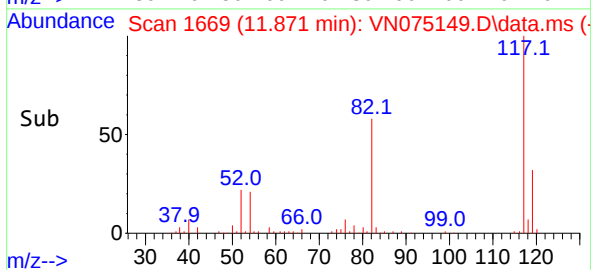
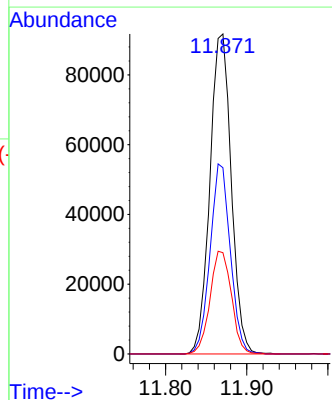
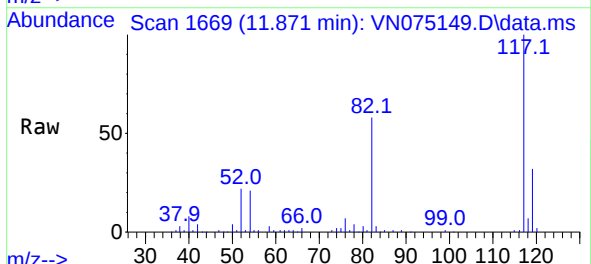
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

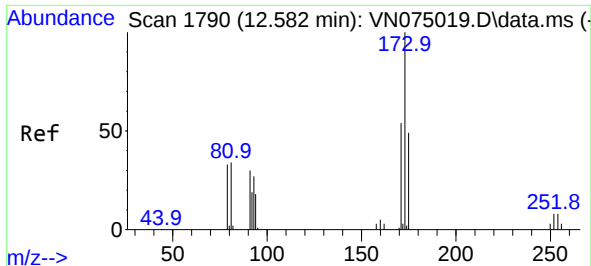
Tgt Ion: 95 Resp: 68899
Ion Ratio Lower Upper
95 100
174 74.1 0.0 147.4
176 72.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion: 117 Resp: 167509
Ion Ratio Lower Upper
117 100
82 58.2 43.1 64.7
119 31.6 25.5 38.3

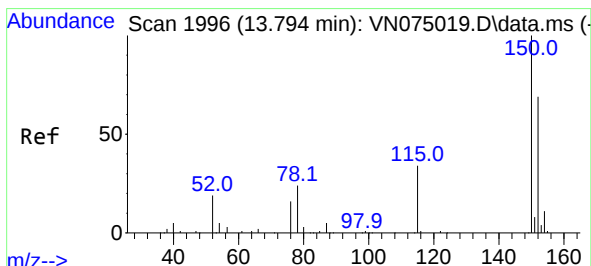
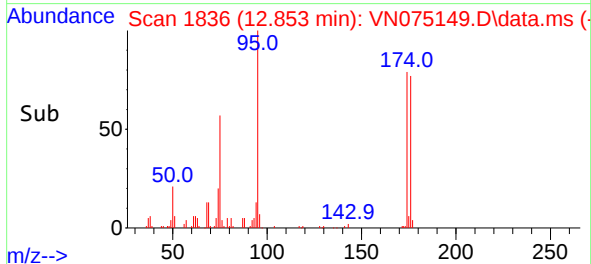
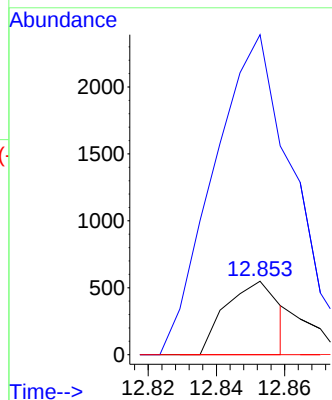
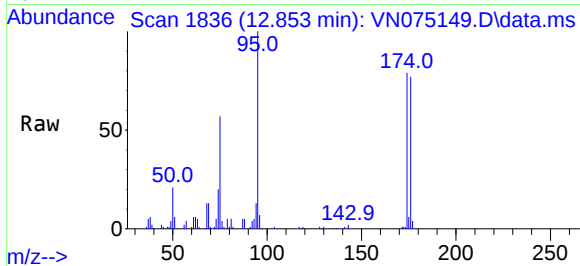




#71
Bromoform
Concen: 0.605 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

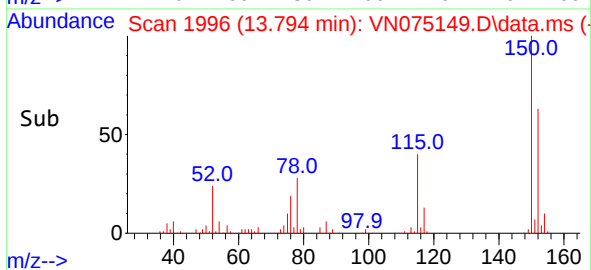
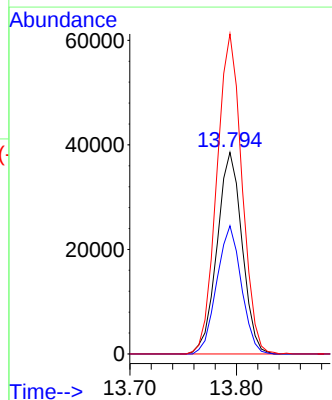
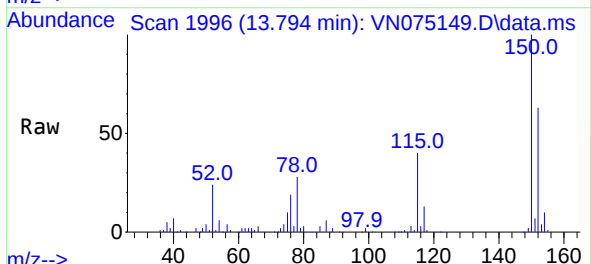
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

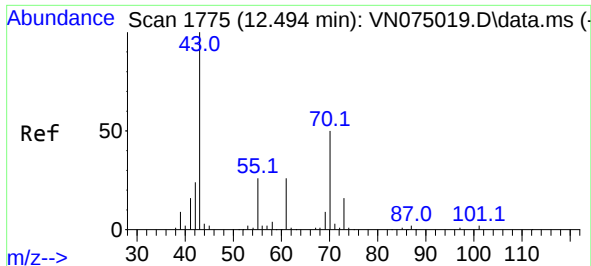
Tgt Ion:173 Resp: 601
Ion Ratio Lower Upper
173 100
175 527.3 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

Tgt Ion:152 Resp: 62841
Ion Ratio Lower Upper
152 100
115 62.5 30.2 90.6
150 159.6 0.0 348.4

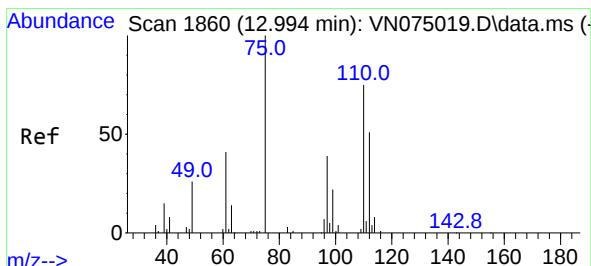
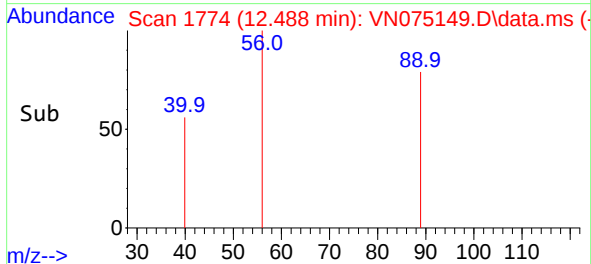
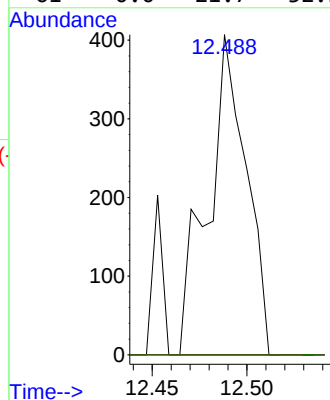
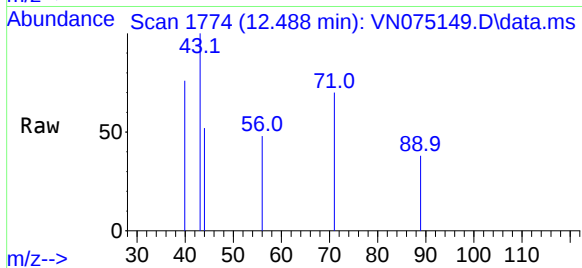




#74
N-amy1 acetate
Concen: 0.308 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

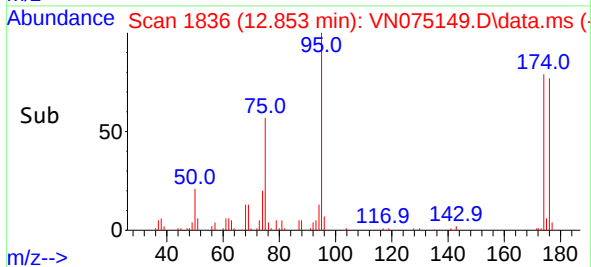
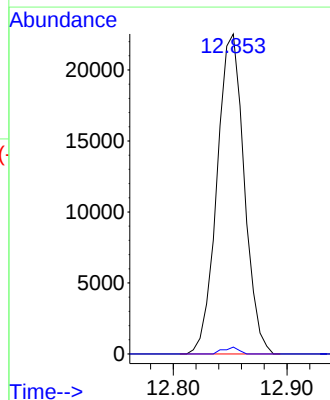
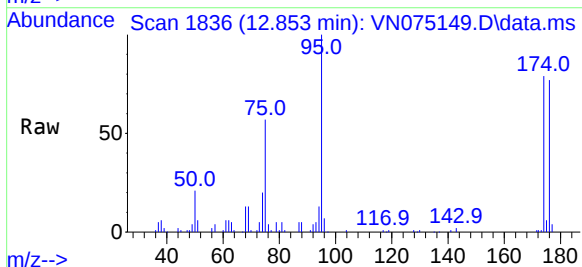
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#01

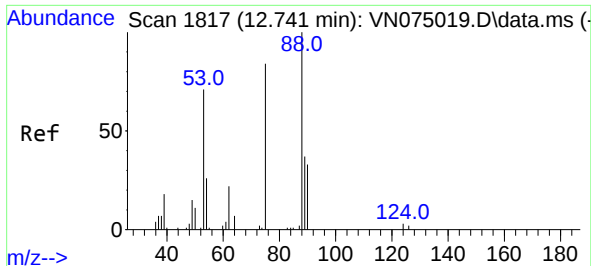
Tgt Ion: 43	Resp: 574
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 28.111 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075149.D
Acq: 03 Nov 2022 17:13

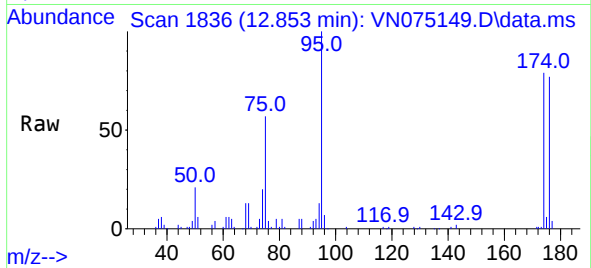
Tgt Ion: 75	Resp:	37508	
Ion Ratio	Lower	Upper	
75 100			
77 1.2	75.6	226.8#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.161 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075149.D
 Acq: 03 Nov 2022 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148771ZHE#01



Tgt Ion: 75 Resp: 37508
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

