

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075150.D
 Acq On : 03 Nov 2022 17:37
 Operator : JC\MD
 Sample : PB148771ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148771ZHE#02

Quant Time: Nov 04 04:11:34 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)

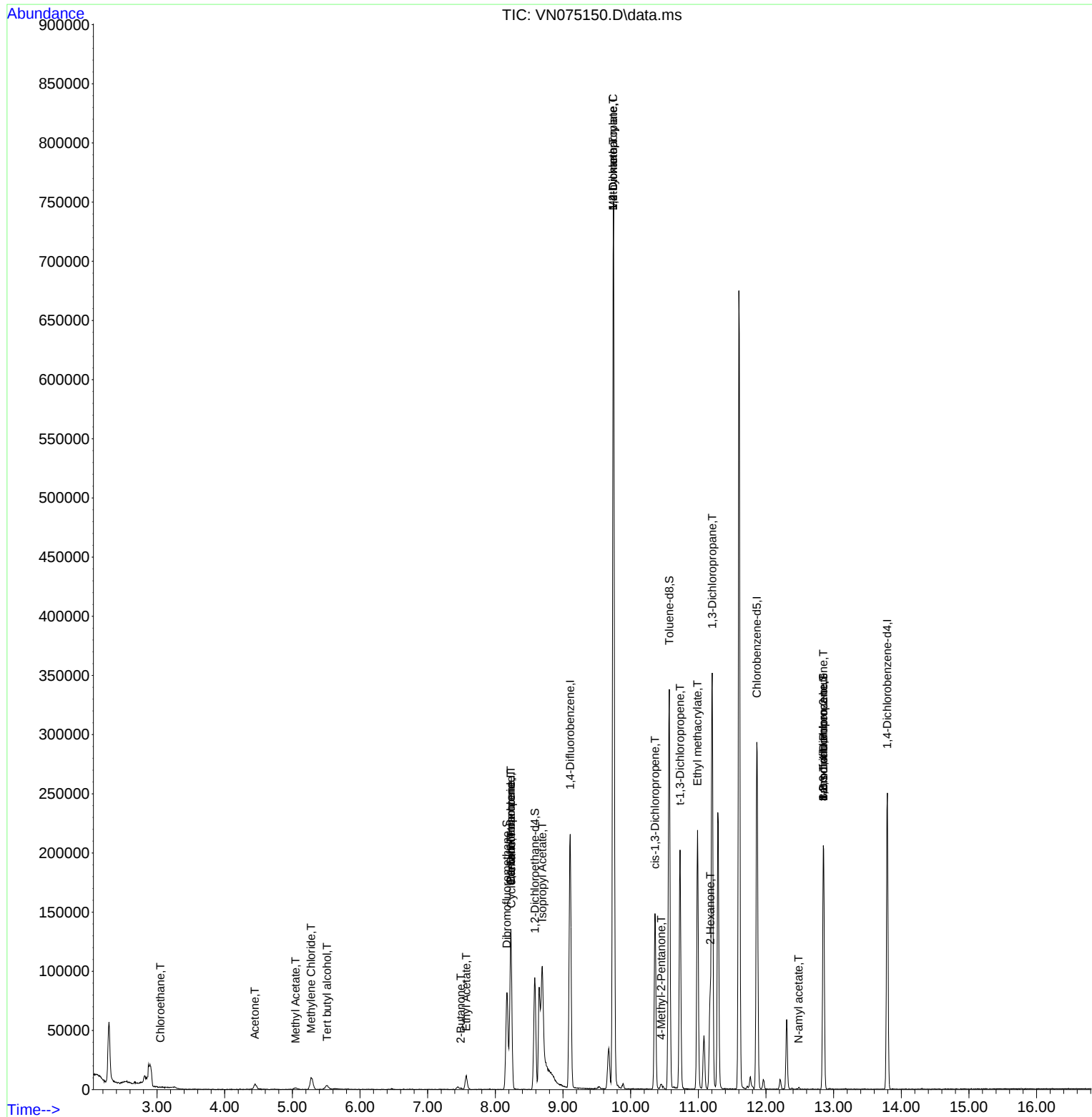
Internal Standards						
1) Pentafluorobenzene	8.230	168	90000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	186762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	168675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	63374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75879	62.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.140%#	
35) Dibromofluoromethane	8.171	113	58787	53.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.240%	
50) Toluene-d8	10.571	98	227082	53.385	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.760%	
62) 4-Bromofluorobenzene	12.847	95	71856	48.089	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.180%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	268	Below Cal		93
6) Chloroethane	3.048	64	469	0.369	ug/l #	45
11) Tert butyl alcohol	5.512	59	3634	12.850	ug/l #	72
16) Acetone	4.448	43	8923	17.378	ug/l	99
18) Methyl Acetate	5.048	43	2967	1.769	ug/l #	73
20) Methylene Chloride	5.277	84	8478	7.405	ug/l	88
25) 2-Butanone	7.489	43	1539	1.906	ug/l #	43
31) Cyclohexane	8.236	56	2245	1.245	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	8338	4.912	ug/l #	49
37) Ethyl Acetate	7.571	43	15938	8.562	ug/l	96
38) Carbon Tetrachloride	8.230	117	9833	5.266	ug/l #	15
43) Isopropyl Acetate	8.694	43	122490	42.422	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	799	0.646	ug/l #	42
48) Methyl methacrylate	9.741	41	66957	50.552	ug/l #	34
49) 1,4-Dioxane	9.741	88	53	1.528	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	2813	1.510	ug/l	93
53) t-1,3-Dichloropropene	10.729	75	455	0.231	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	27408	13.120	ug/l #	69
56) Ethyl methacrylate	10.988	69	646	0.307	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3993	1.741	ug/l #	42
59) 2-Hexanone	11.177	43	58716	41.520	ug/l #	21
71) Bromoform	12.847	173	578	0.578	ug/l #	1
74) N-amyl acetate	12.482	43	592	0.315	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	39538	29.383	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	39538	75.426	ug/l #	10

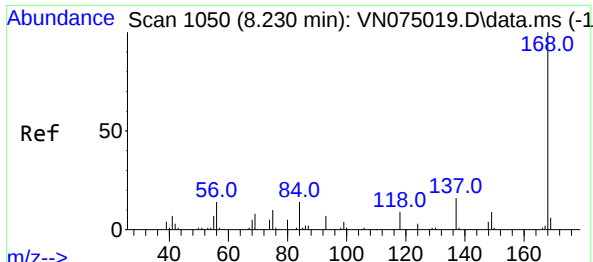
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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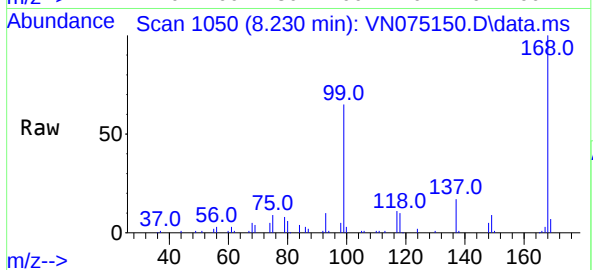
Quant Time: Nov 04 04:11:34 2022
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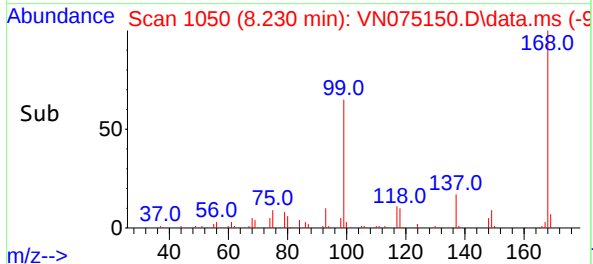
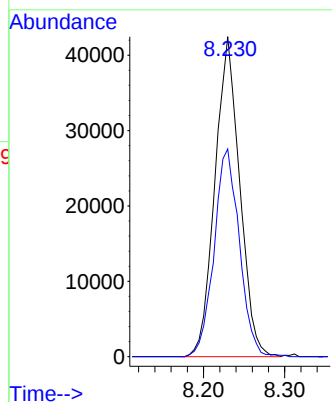


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

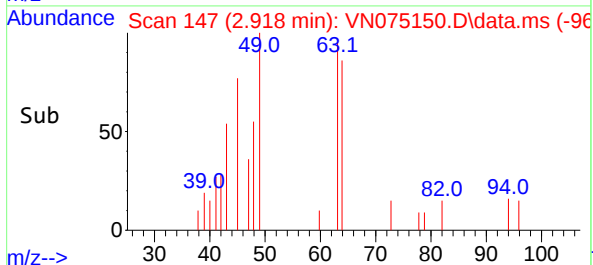
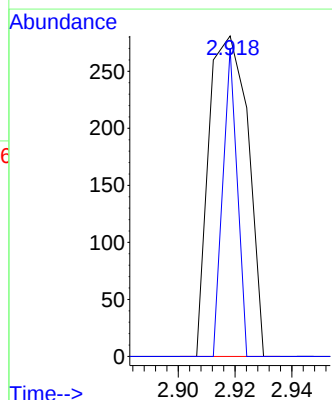
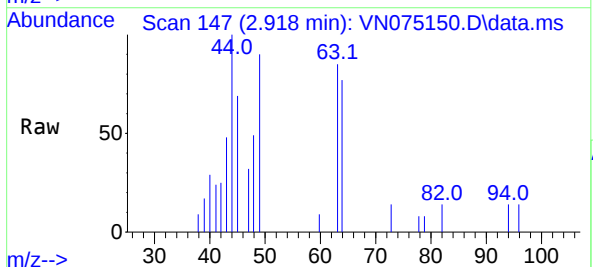


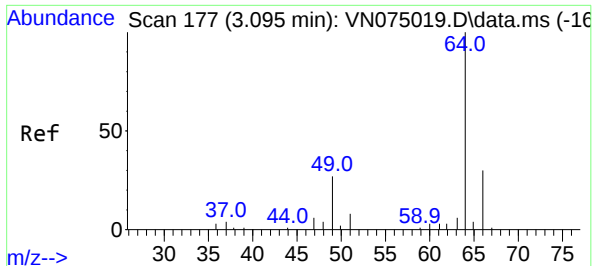
Tgt Ion:168 Resp: 90000
Ion Ratio Lower Upper
168 100
99 64.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 96.1 71.8 107.6

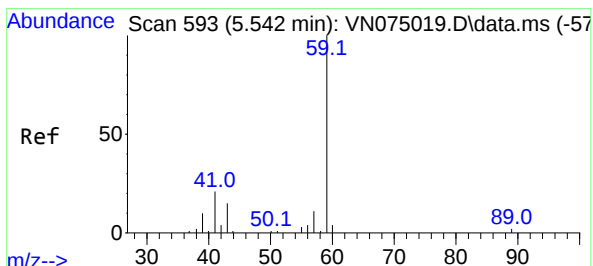
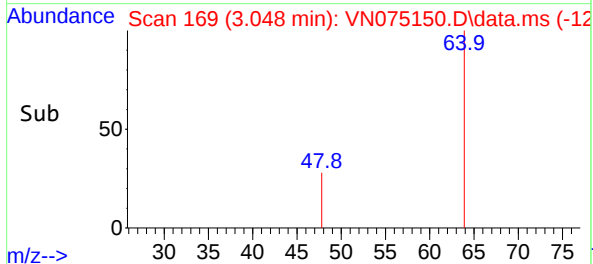
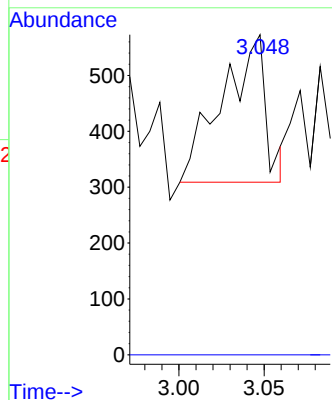
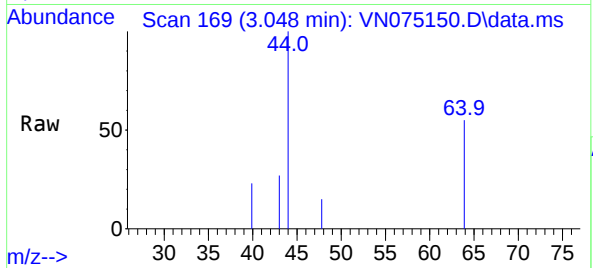




#6
Chloroethane
Concen: 0.369 ug/l
RT: 3.048 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

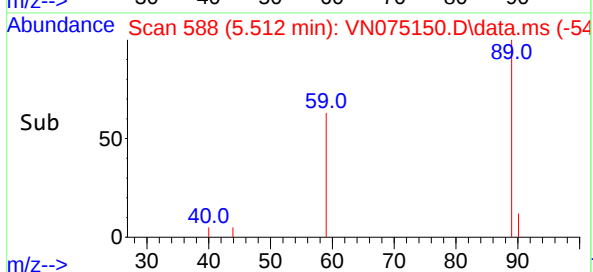
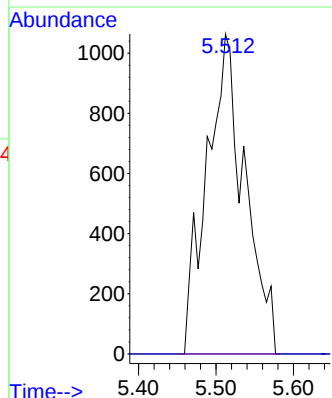
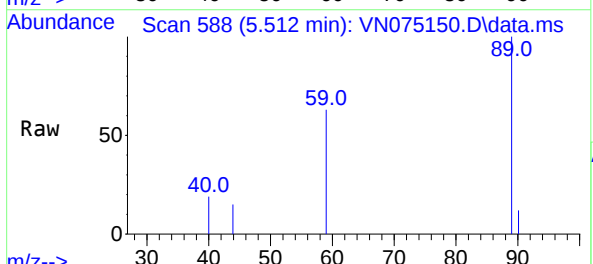
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

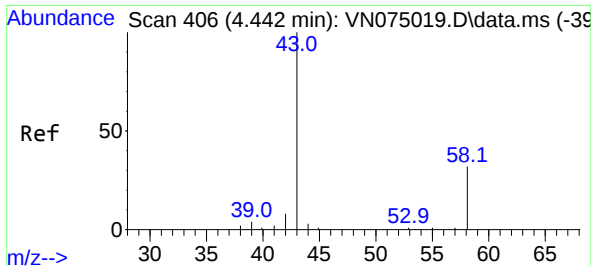
Tgt Ion: 64 Resp: 469
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 12.850 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 59 Resp: 3634
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

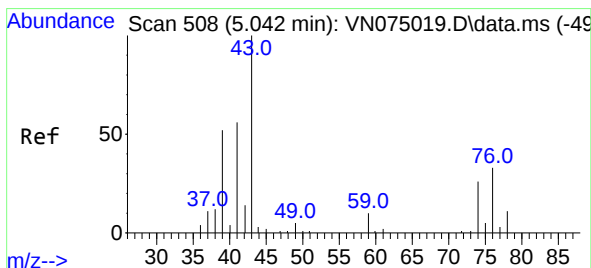
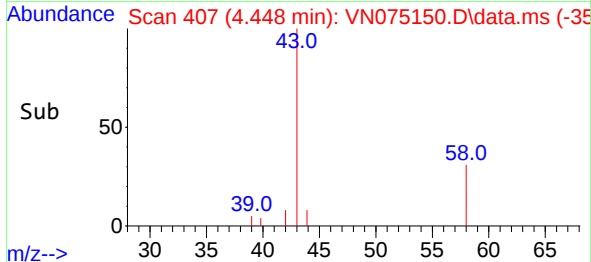
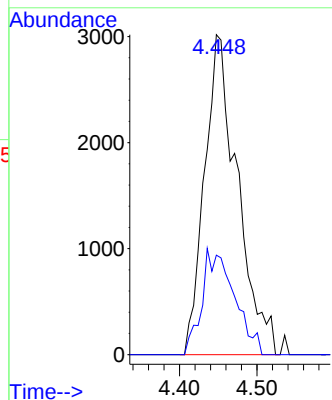
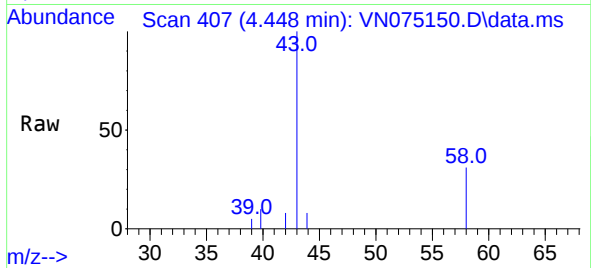




#16
Acetone
Concen: 17.378 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

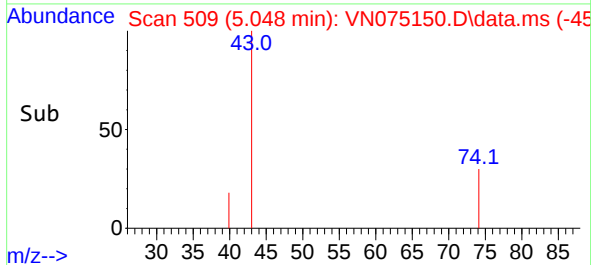
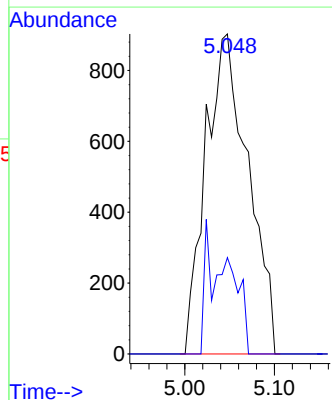
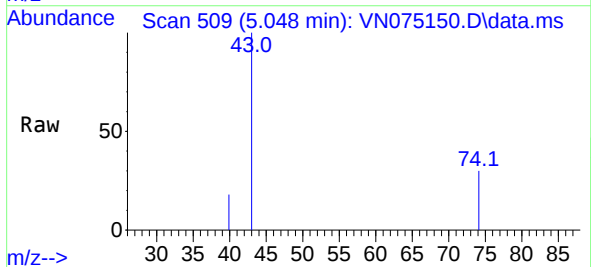
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

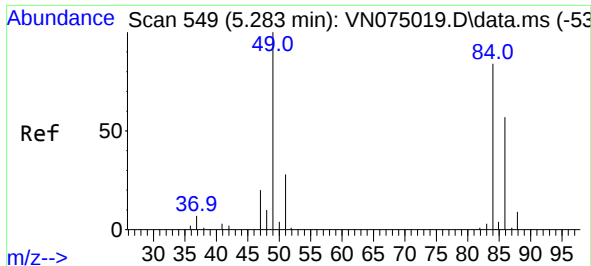
Tgt Ion: 43 Resp: 8923
Ion Ratio Lower Upper
43 100
58 31.1 25.5 38.3



#18
Methyl Acetate
Concen: 1.769 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.006 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 43 Resp: 2967
Ion Ratio Lower Upper
43 100
74 13.2 22.0 33.0#

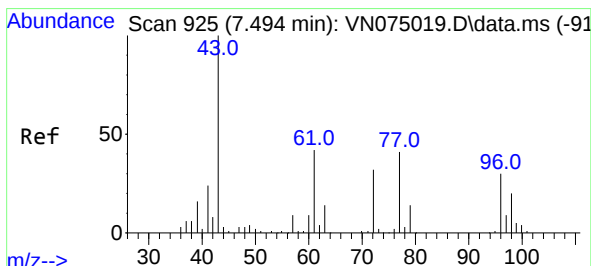
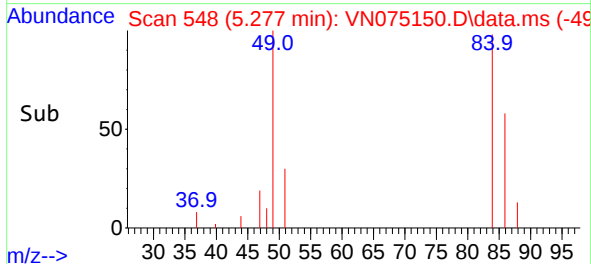
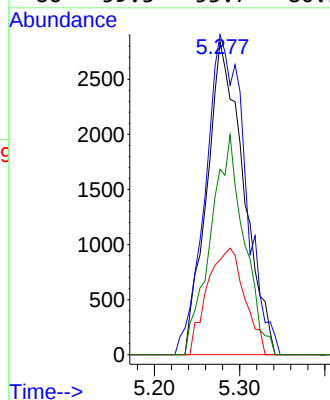
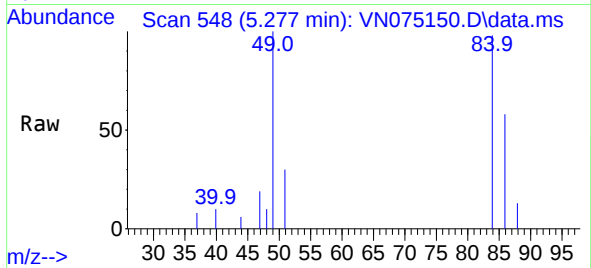




#20
Methylene Chloride
Concen: 7.405 ug/l
RT: 5.277 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

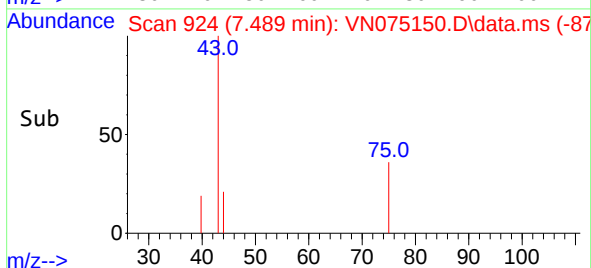
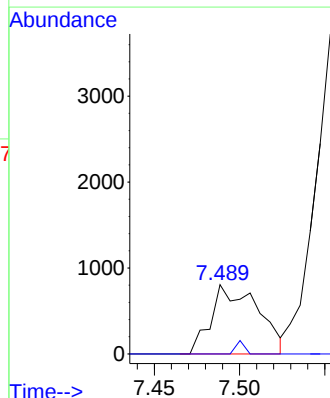
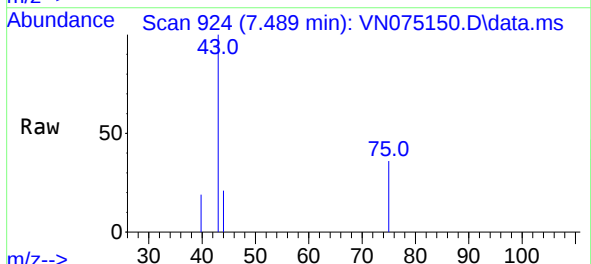
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

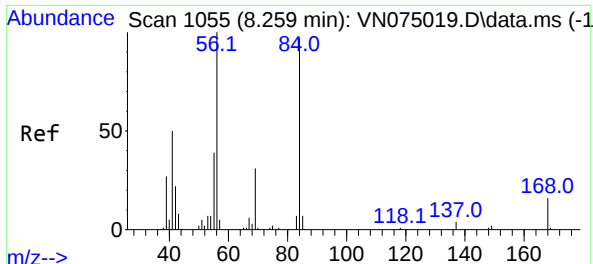
Tgt Ion:	84	Resp:	8478
Ion	Ratio	Lower	Upper
84	100		
49	102.4	94.9	142.3
51	30.4	26.8	40.2
86	59.3	53.7	80.5



#25
2-Butanone
Concen: 1.906 ug/l
RT: 7.489 min Scan# 924
Delta R.T. -0.005 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

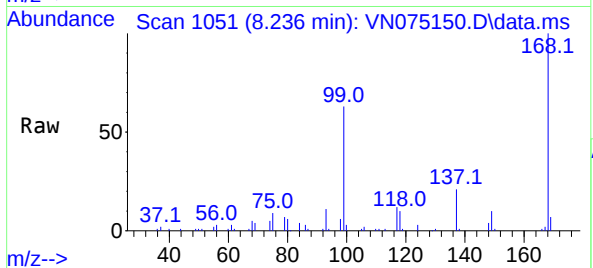
Tgt Ion:	43	Resp:	1539
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#



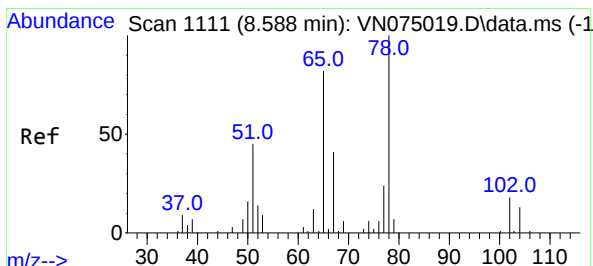
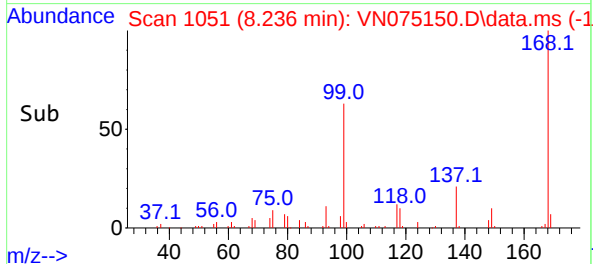
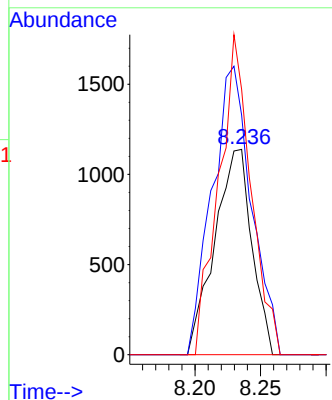


#31
Cyclohexane
Concen: 1.245 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

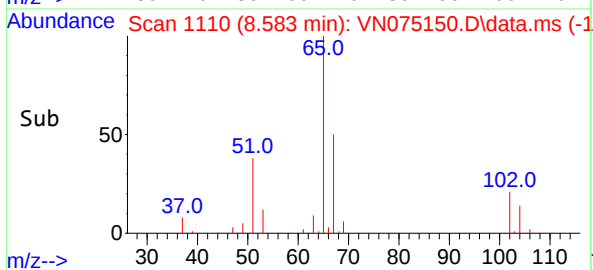
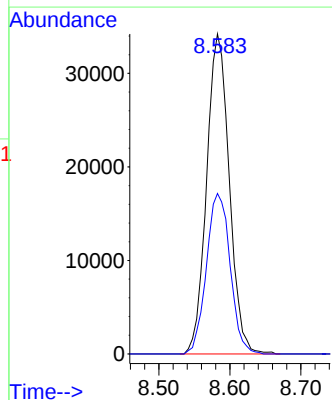
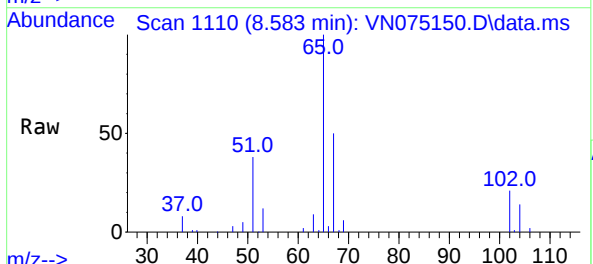


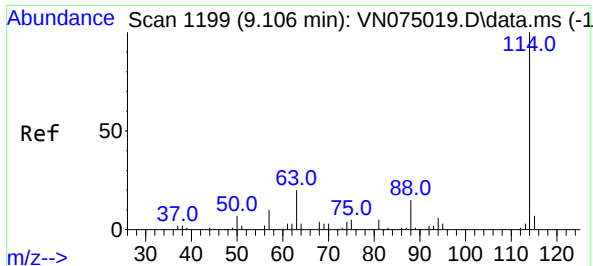
Tgt Ion: 56 Resp: 2245
Ion Ratio Lower Upper
56 100
69 116.7 25.2 37.8#
84 129.1 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 62.573 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 65 Resp: 75879
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: VN075150.D

Acq: 03 Nov 2022 17:37

Instrument :

MSVOA_N

ClientSampleId :

PB148771ZHE#02

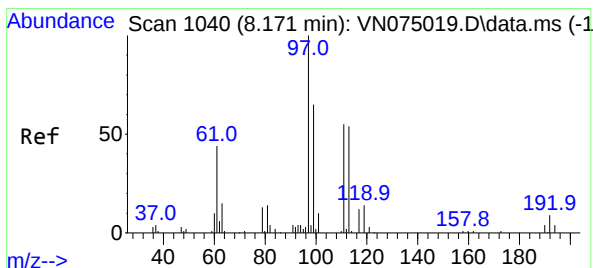
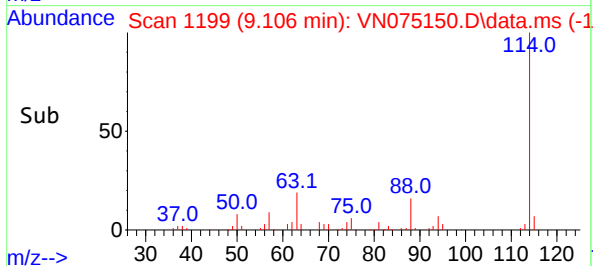
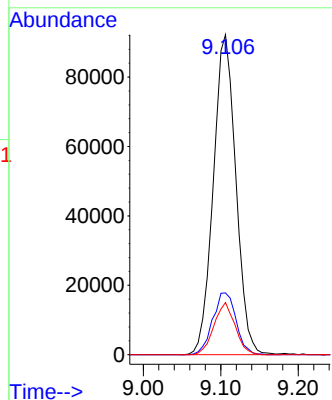
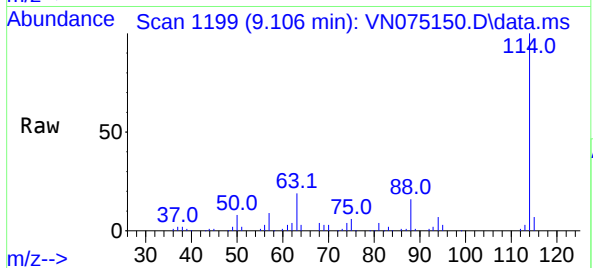
Tgt Ion:114 Resp: 186762

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.619 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075150.D

Acq: 03 Nov 2022 17:37

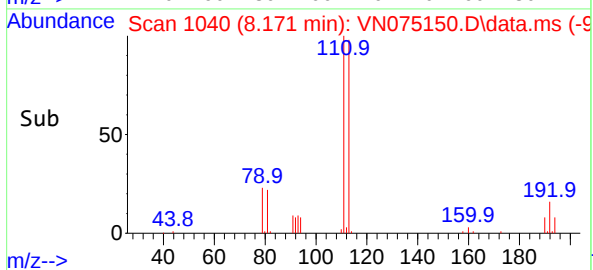
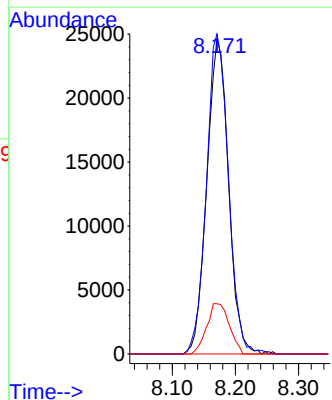
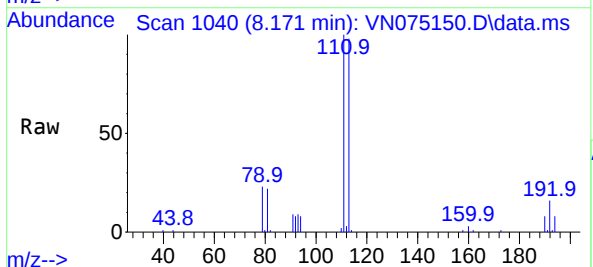
Tgt Ion:113 Resp: 58787

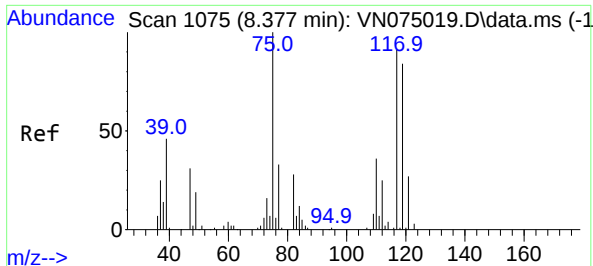
Ion Ratio Lower Upper

113 100

111 102.8 80.5 120.7

192 16.6 13.2 19.8

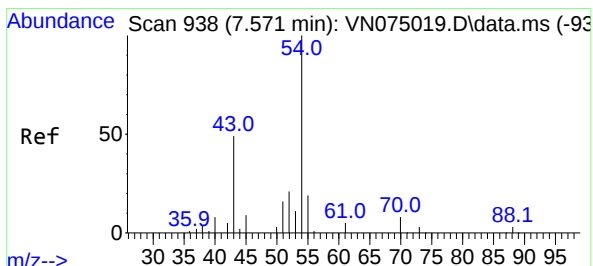
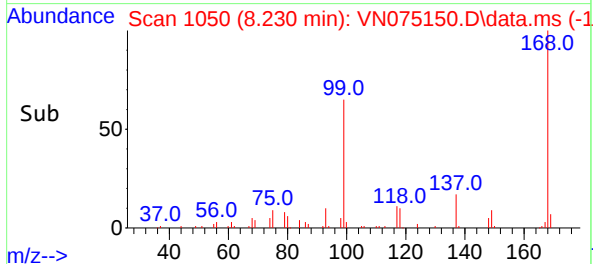
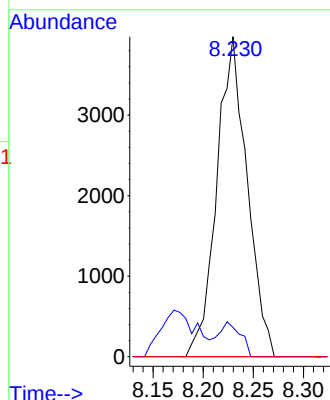
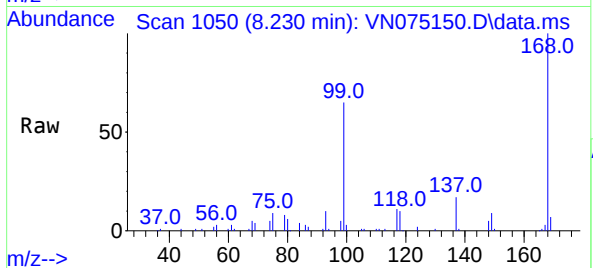




#36
1,1-Dichloropropene
Concen: 4.912 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

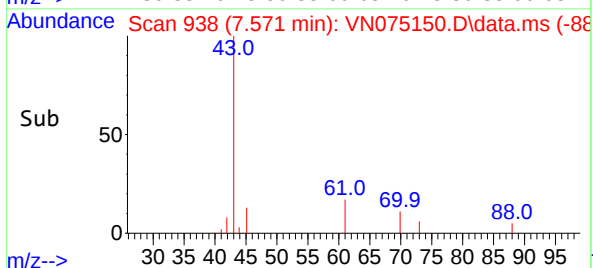
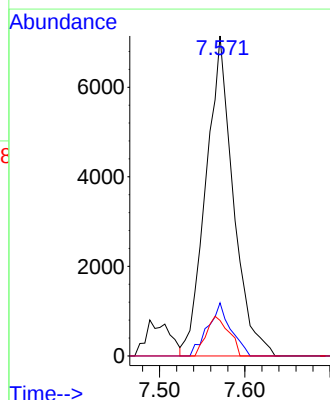
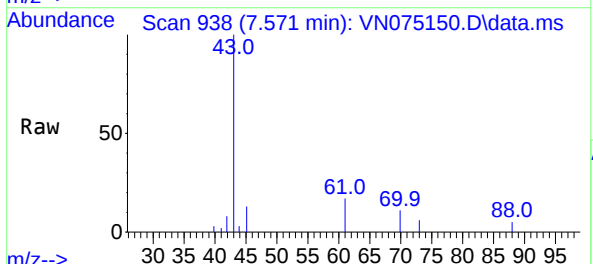
Instrument :
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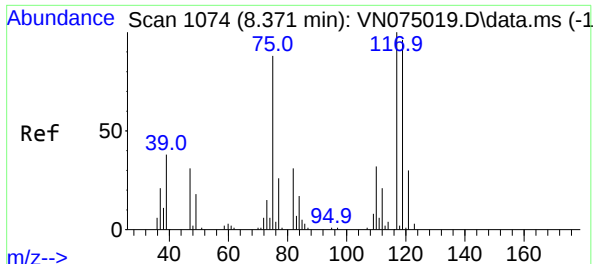
Tgt Ion: 75 Resp: 8338
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 8.562 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

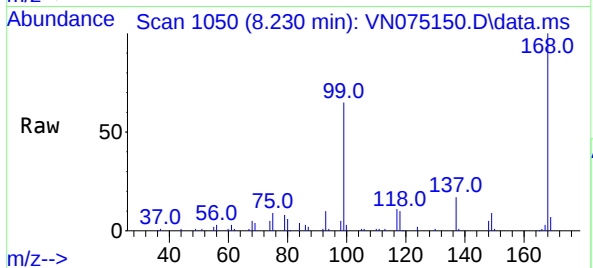
Tgt Ion: 43 Resp: 15938
Ion Ratio Lower Upper
43 100
61 13.9 12.2 18.4
70 10.1 9.4 14.2



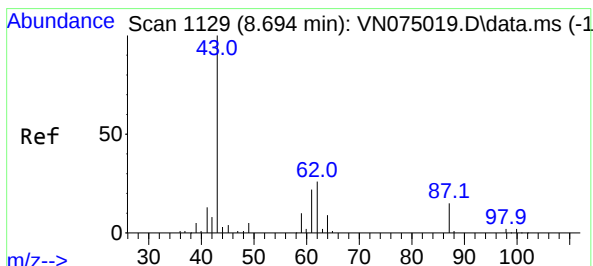
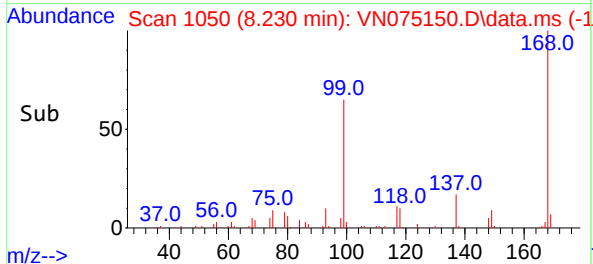
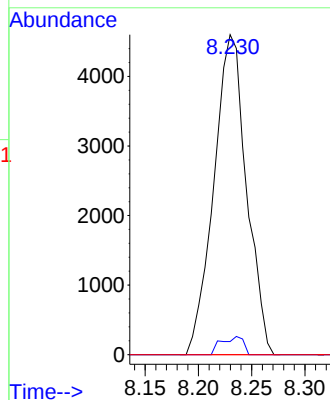


#38
Carbon Tetrachloride
Concen: 5.266 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

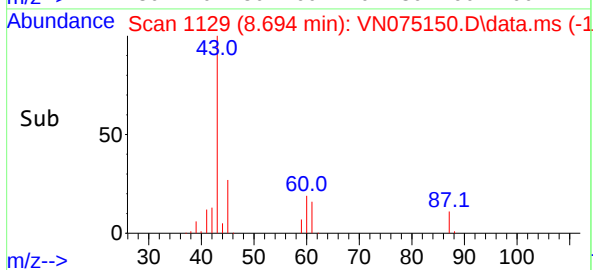
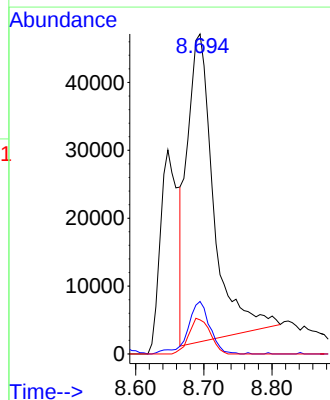
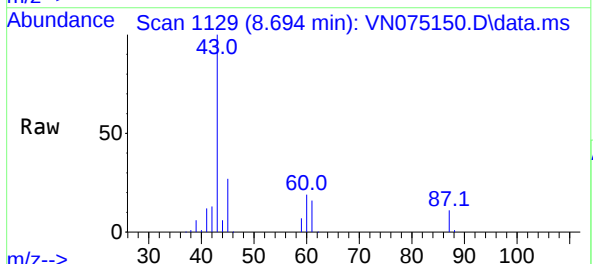


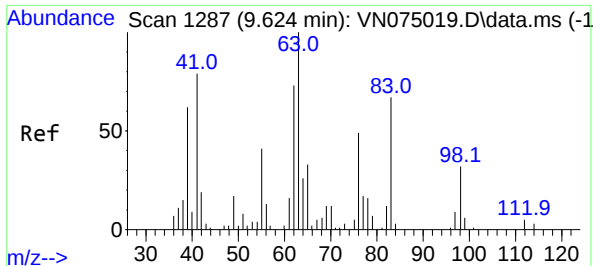
Tgt Ion:117 Resp: 9833
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 42.422 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 43 Resp: 122490
Ion Ratio Lower Upper
43 100
61 14.1 22.4 33.6#
87 9.3 12.5 18.7#

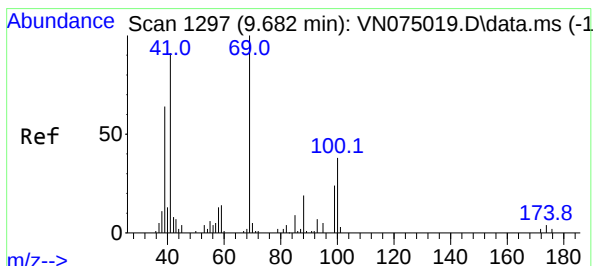
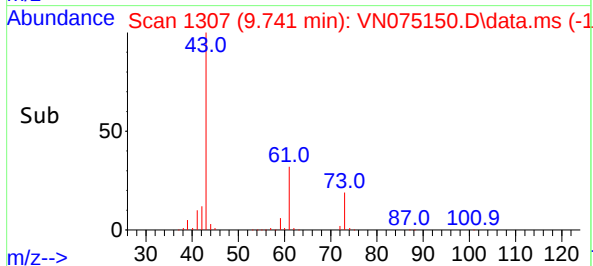
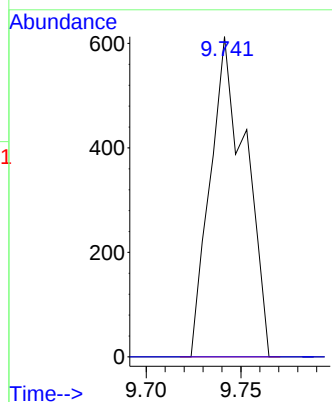
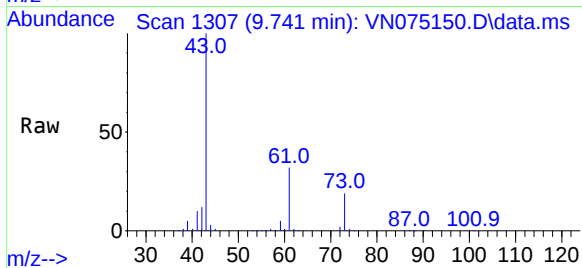




#45
1,2-Dichloropropane
Concen: 0.646 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

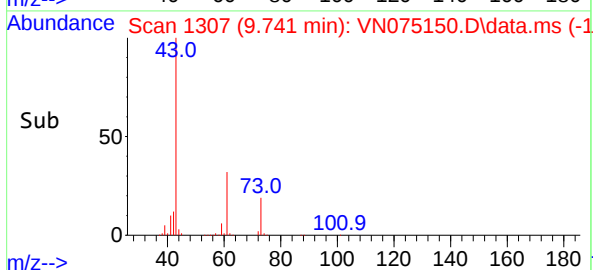
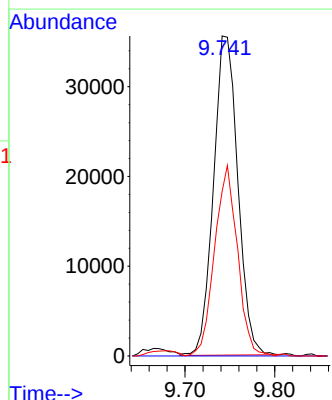
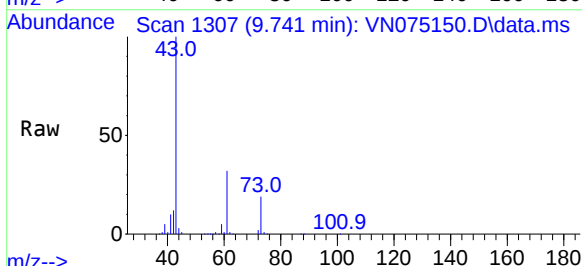
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

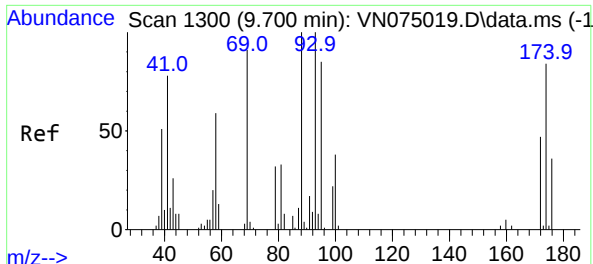
Tgt Ion: 63 Resp: 799
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 50.552 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.059 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 41 Resp: 66957
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 56.1 56.2 84.2#

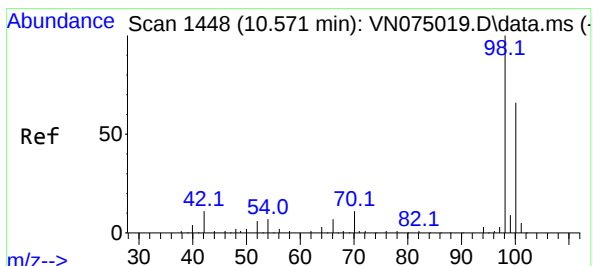
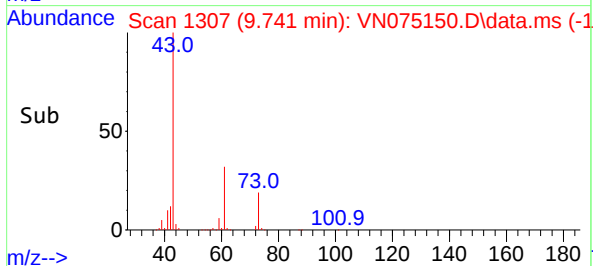
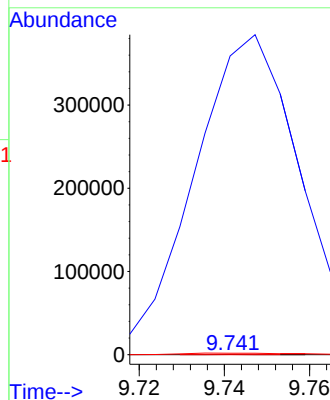
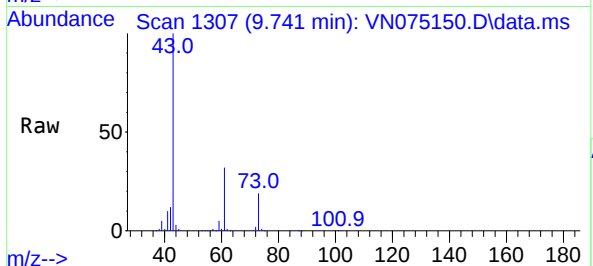




#49
1,4-Dioxane
Concen: 1.528 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

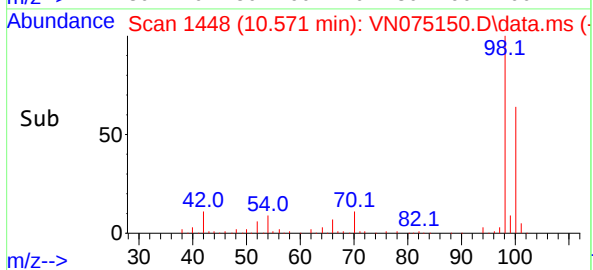
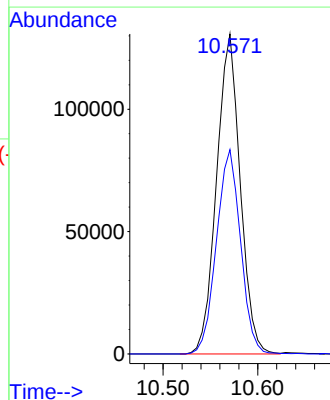
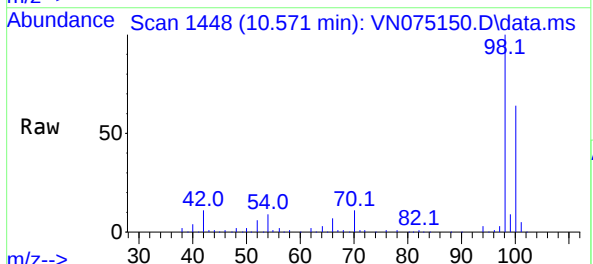
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

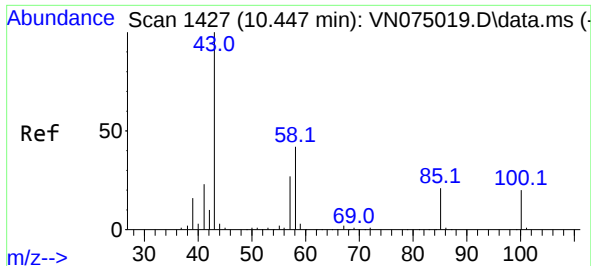
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 1296205.7 17.5 26.3#
58 6379.2 49.8 74.8#



#50
Toluene-d8
Concen: 53.385 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 98 Resp: 227082
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6

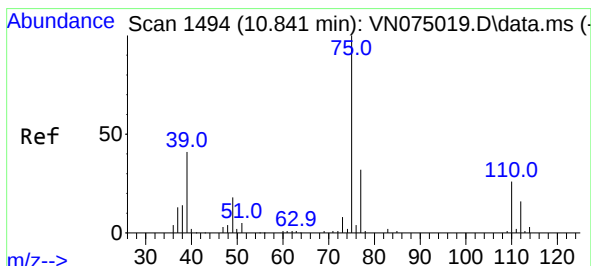
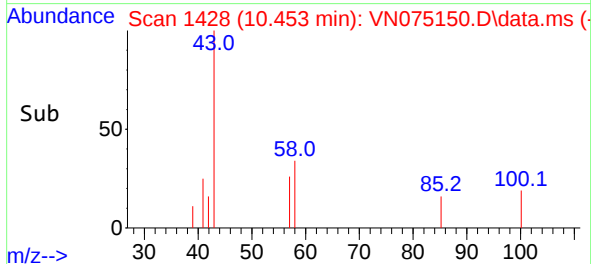
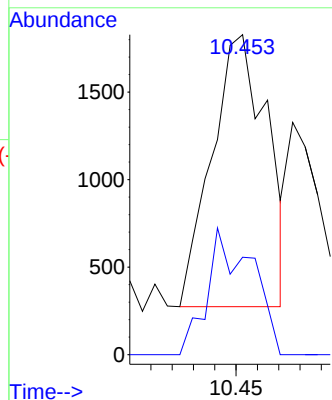
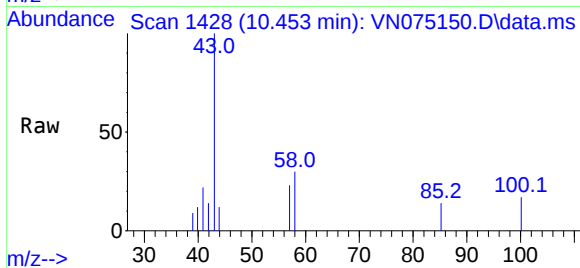




#51
4-Methyl-2-Pentanone
Concen: 1.510 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

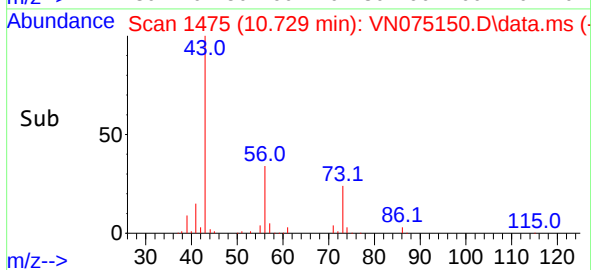
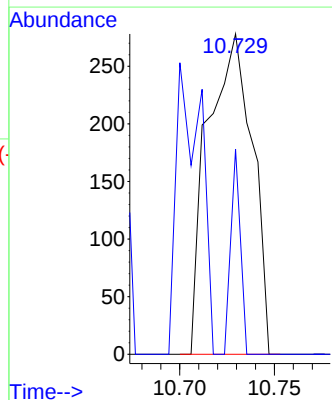
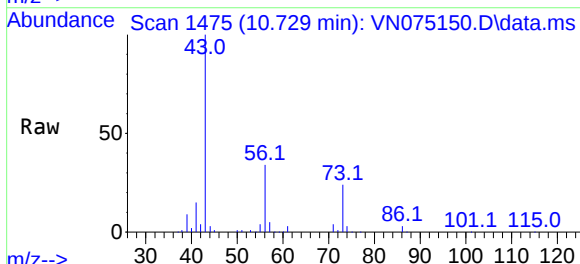
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

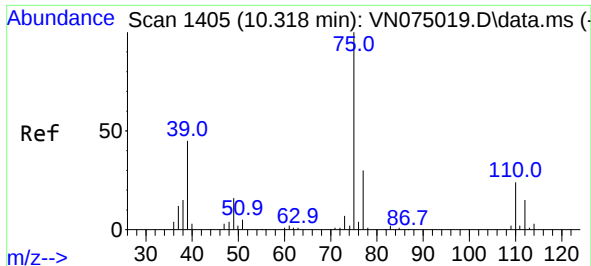
Tgt Ion: 43 Resp: 2813
Ion Ratio Lower Upper
43 100
58 37.4 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.231 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 75 Resp: 455
Ion Ratio Lower Upper
75 100
77 64.0 25.4 38.2#

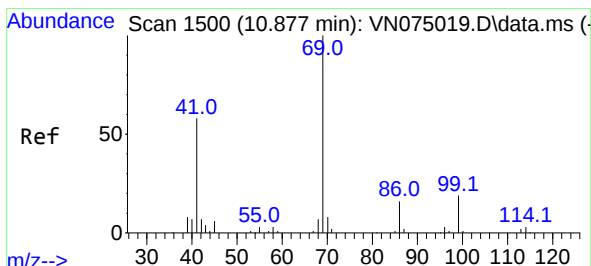
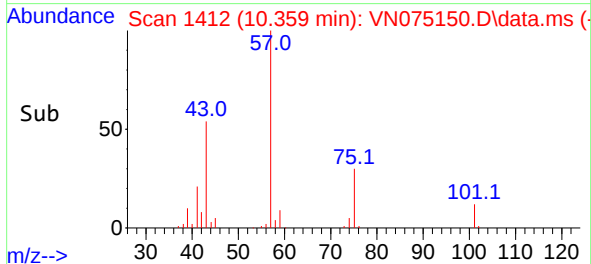
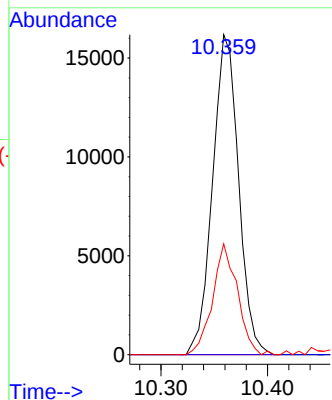
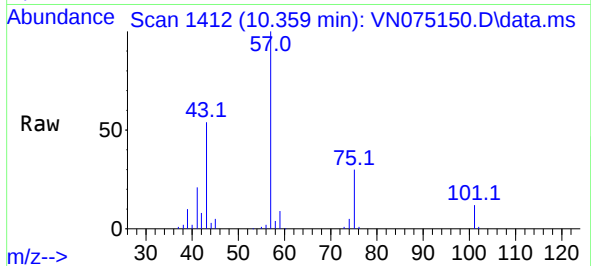




#54
cis-1,3-Dichloropropene
Concen: 13.120 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

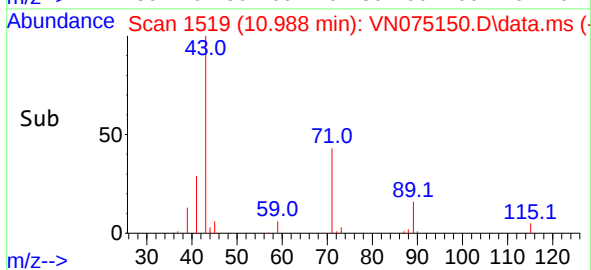
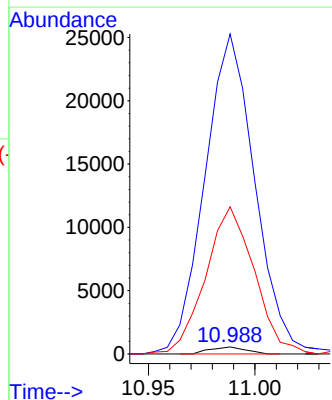
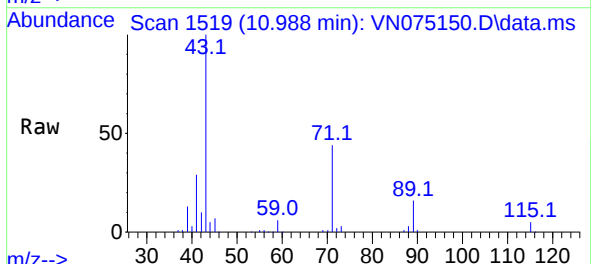
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

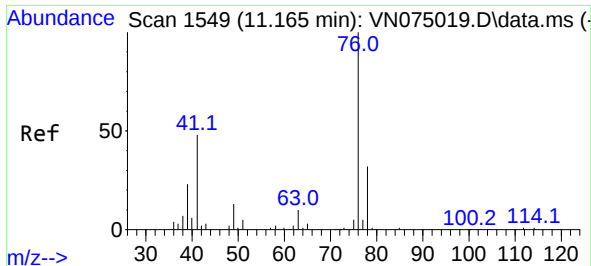
Tgt Ion: 75 Resp: 27408
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 34.7 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.307 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 69 Resp: 646
Ion Ratio Lower Upper
69 100
41 6447.1 45.6 68.4#
39 2873.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.741 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075150.D

Acq: 03 Nov 2022 17:37

Instrument :

MSVOA_N

ClientSampleId :

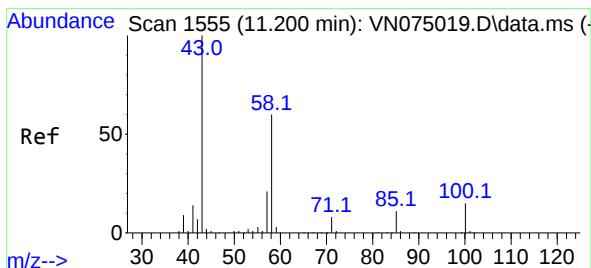
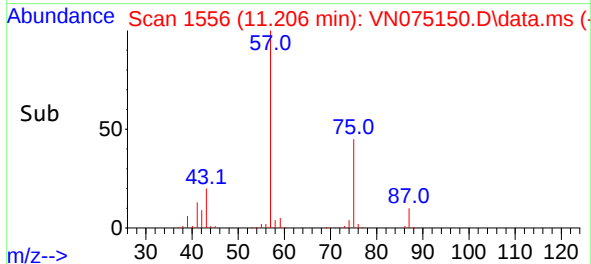
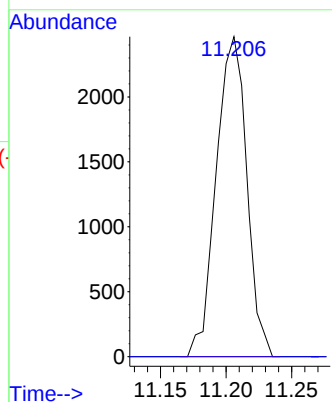
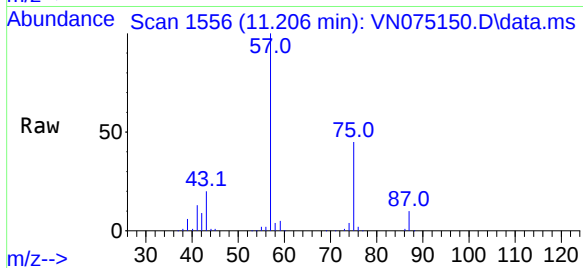
PB148771ZHE#02

Tgt Ion: 76 Resp: 3993

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 41.520 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.023 min

Lab File: VN075150.D

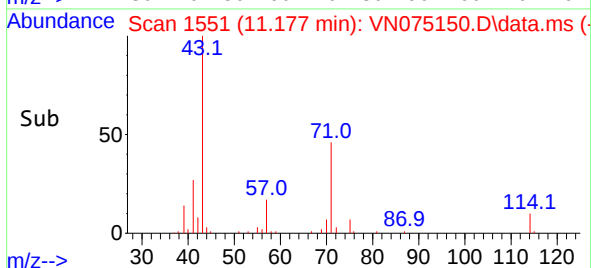
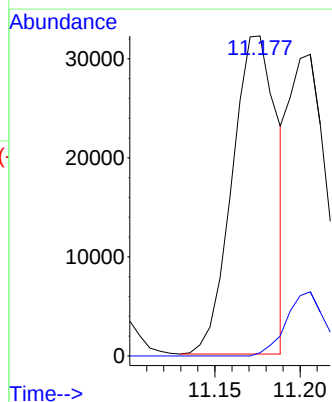
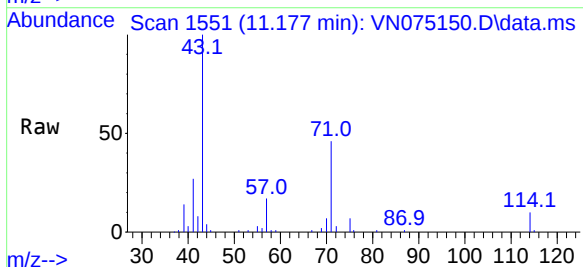
Acq: 03 Nov 2022 17:37

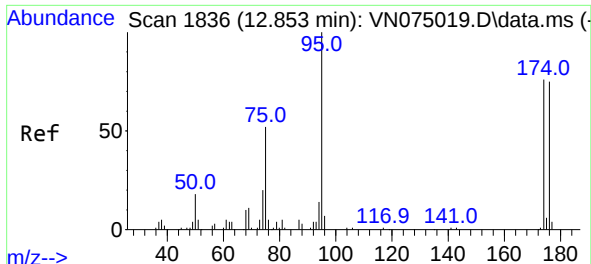
Tgt Ion: 43 Resp: 58716

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

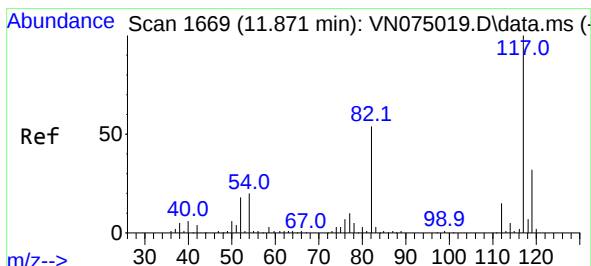
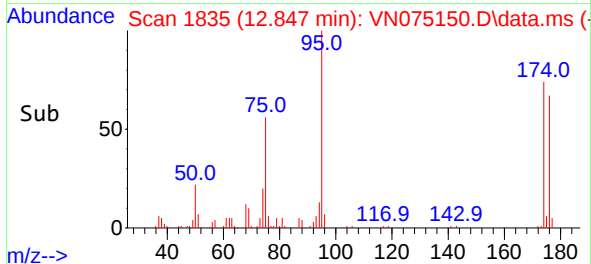
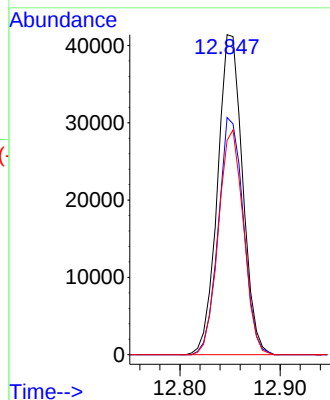
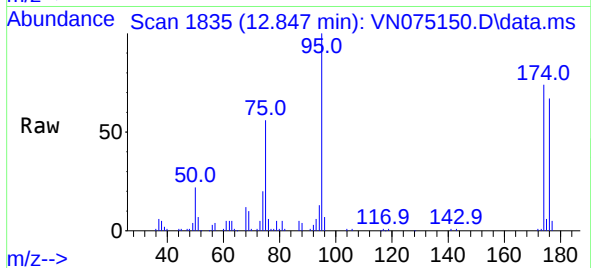




#62
4-Bromofluorobenzene
Concen: 48.089 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

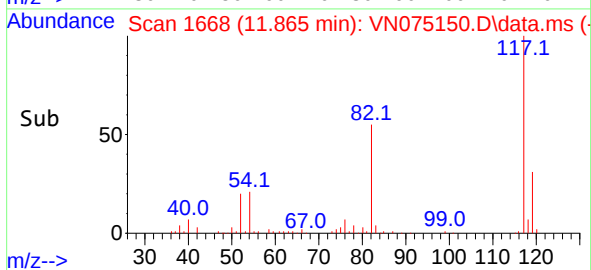
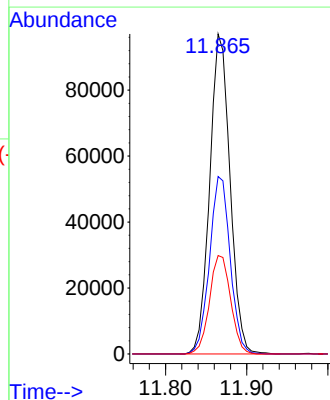
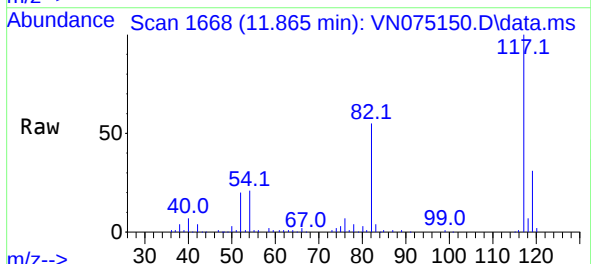
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

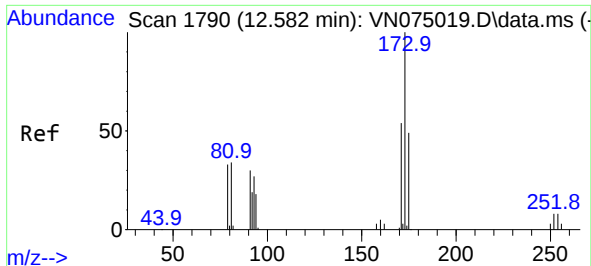
Tgt Ion: 95 Resp: 71856
Ion Ratio Lower Upper
95 100
174 74.1 0.0 147.4
176 70.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 117 Resp: 168675
Ion Ratio Lower Upper
117 100
82 55.5 43.1 64.7
119 30.7 25.5 38.3

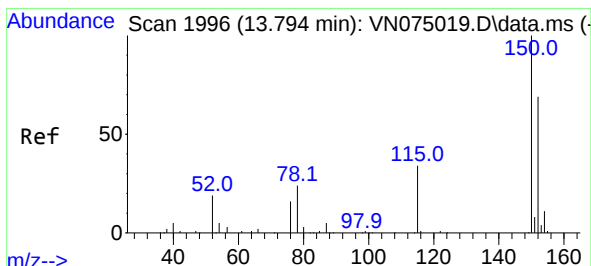
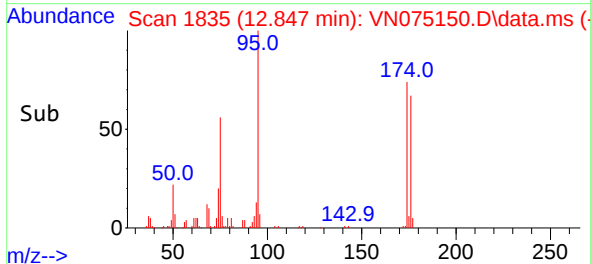
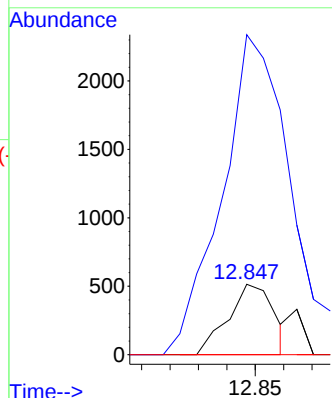
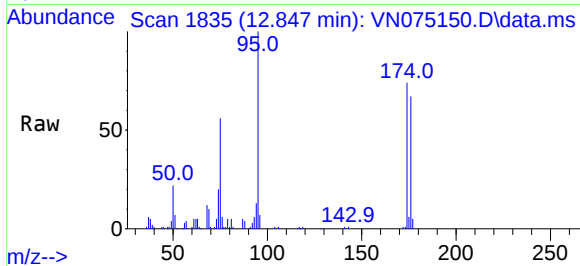




#71
Bromoform
Concen: 0.578 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

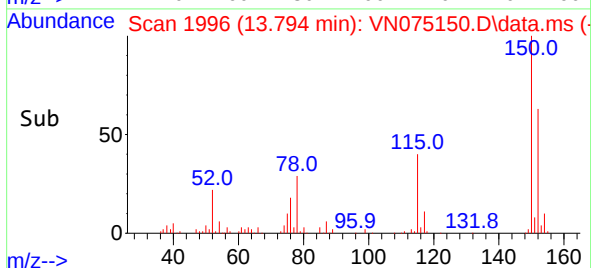
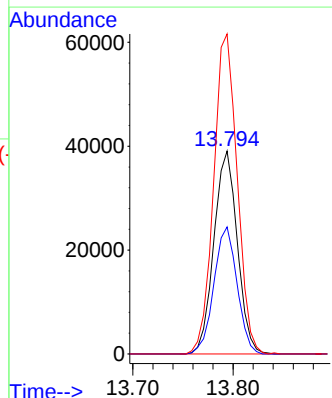
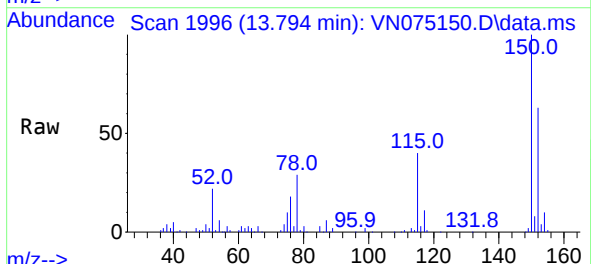
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

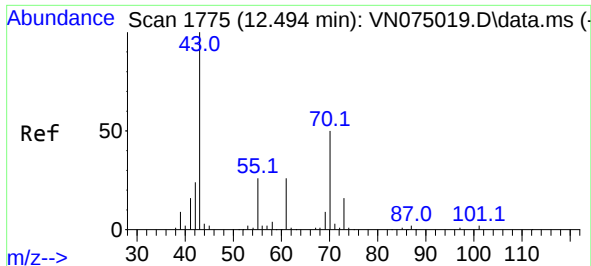
Tgt Ion:173 Resp: 578
Ion Ratio Lower Upper
173 100
175 568.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion:152 Resp: 63374
Ion Ratio Lower Upper
152 100
115 62.0 30.2 90.6
150 158.4 0.0 348.4

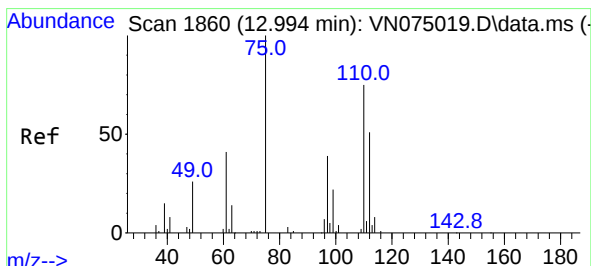
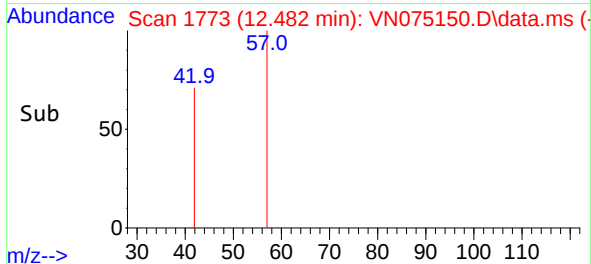
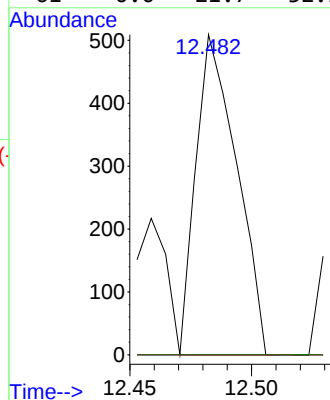
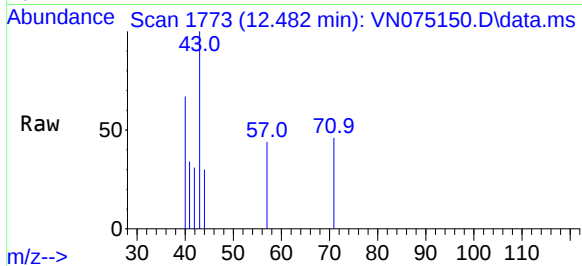




#74
N-amy1 acetate
Concen: 0.315 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

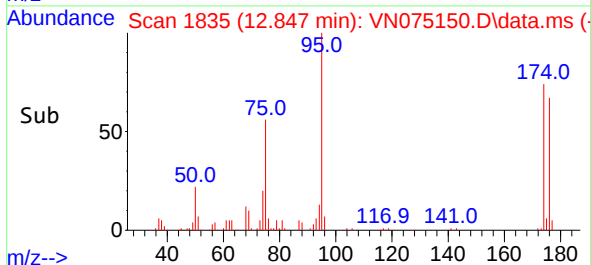
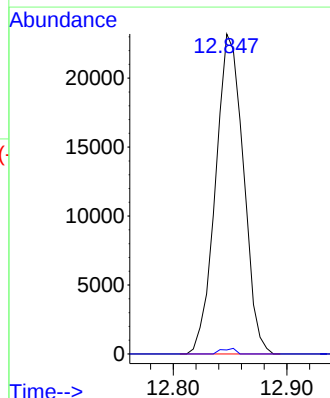
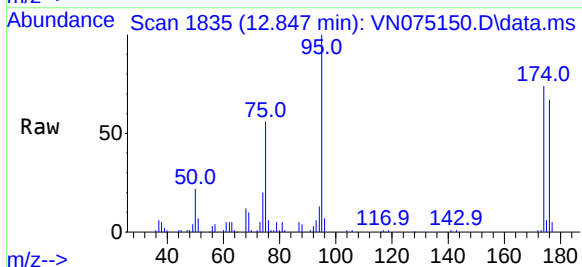
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

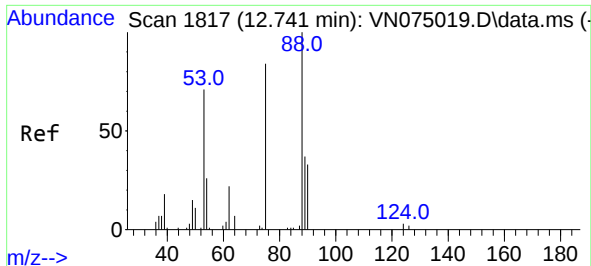
Tgt Ion: 43	Resp: 592
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 29.383 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Tgt Ion: 75	Resp:	39538	
Ion Ratio	Lower	Upper	
75 100			
77 0.9	75.6	226.8#	





#81
trans-1,4-Dichloro-2-butene
Concen: 75.426 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075150.D
Acq: 03 Nov 2022 17:37

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#02

Tgt Ion: 75 Resp: 39538
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

