

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075153.D
 Acq On : 03 Nov 2022 18:49
 Operator : JC\MD
 Sample : PB148771ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148771ZHE#05

Quant Time: Nov 04 04:11:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

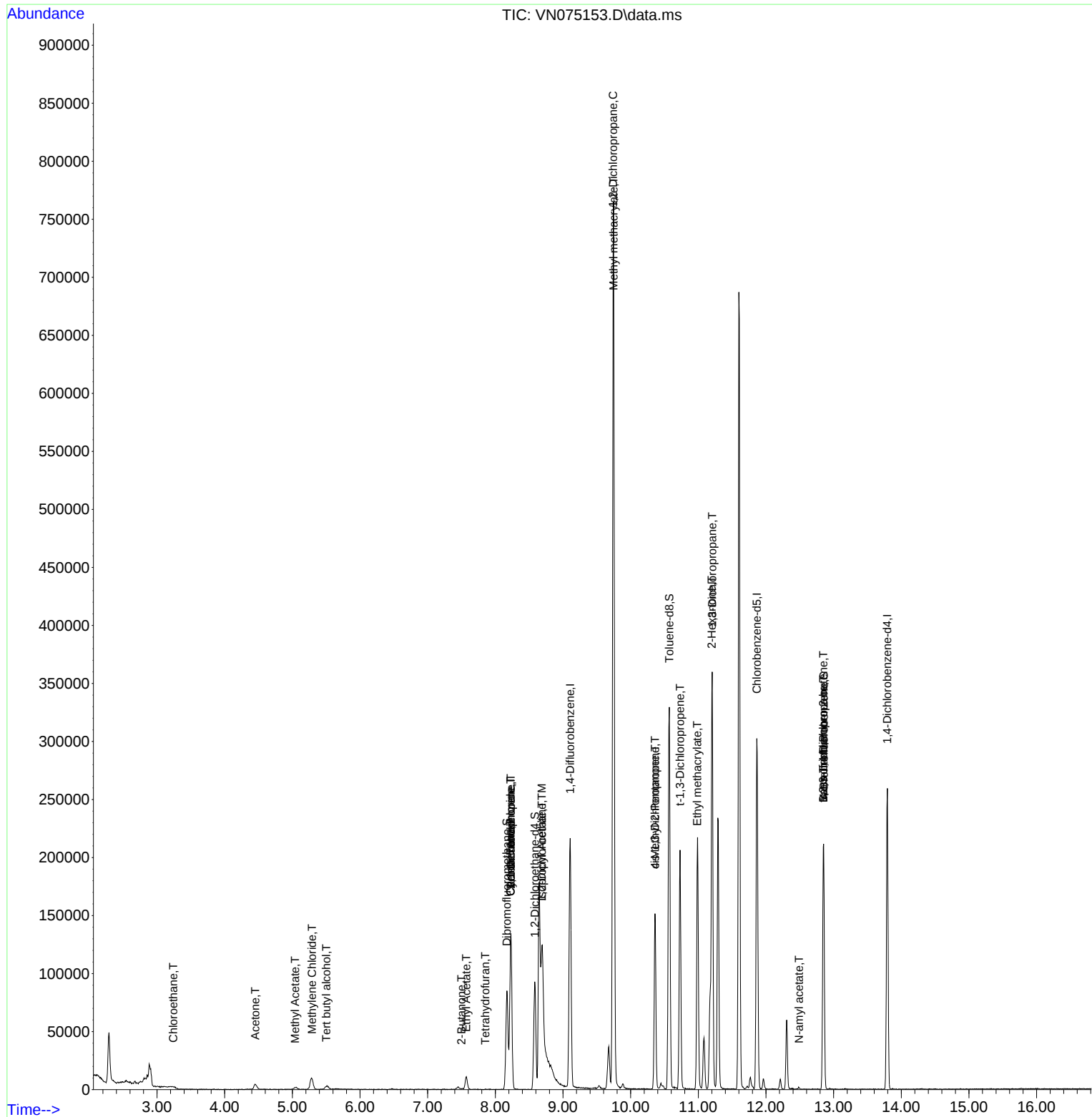
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	92143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	186305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	173284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	66110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	76524	61.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.280%	
35) Dibromofluoromethane	8.171	113	58503	53.491	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.980%	
50) Toluene-d8	10.571	98	233621	55.057	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.120%	
62) 4-Bromofluorobenzene	12.853	95	75010	50.323	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.924	94	136	Below Cal	#	5
6) Chloroethane	3.242	64	766	0.588	ug/l #	45
11) Tert butyl alcohol	5.500	59	3077	10.628	ug/l #	72
16) Acetone	4.453	43	8965	17.054	ug/l	89
18) Methyl Acetate	5.041	43	4113	2.395	ug/l	97
20) Methylene Chloride	5.289	84	8221	7.014	ug/l #	90
25) 2-Butanone	7.500	43	1754	2.121	ug/l #	43
29) Tetrahydrofuran	7.853	42	148	0.277	ug/l #	26
31) Cyclohexane	8.224	56	2514	1.362	ug/l #	23
36) 1,1-Dichloropropene	8.229	75	8493	5.016	ug/l #	51
37) Ethyl Acetate	7.571	43	15477	8.335	ug/l	98
38) Carbon Tetrachloride	8.224	117	10266	5.512	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1003	0.532	ug/l #	75
43) Isopropyl Acetate	8.688	43	138084	47.940	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	977	0.792	ug/l #	42
48) Methyl methacrylate	9.747	41	69293	52.444	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	54741	29.451	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	634	0.323	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	27492	13.192	ug/l #	70
56) Ethyl methacrylate	10.982	69	822	0.392	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3803	1.662	ug/l #	42
59) 2-Hexanone	11.200	43	47416	33.612	ug/l #	50
71) Bromoform	12.847	173	626	0.609	ug/l #	1
74) N-amyl acetate	12.488	43	967	0.493	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41151	29.316	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41151	75.255	ug/l #	10

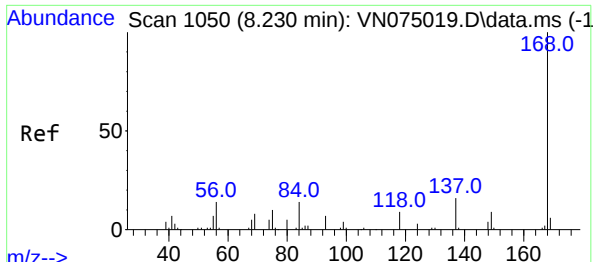
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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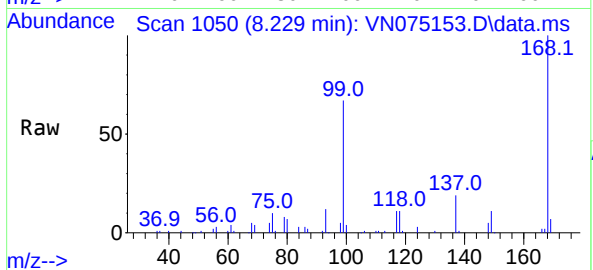
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
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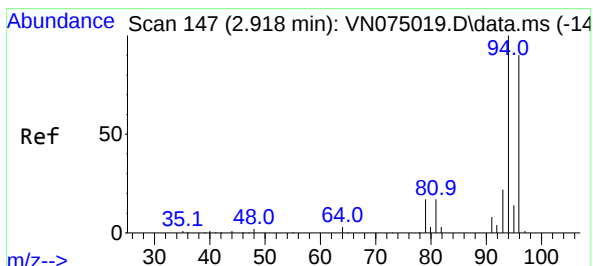
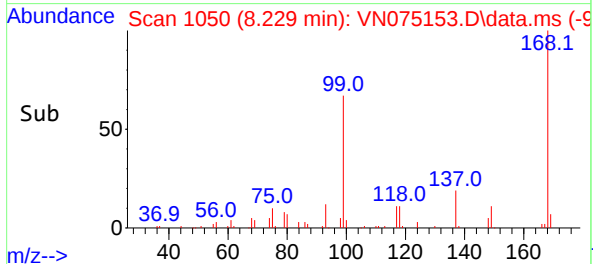
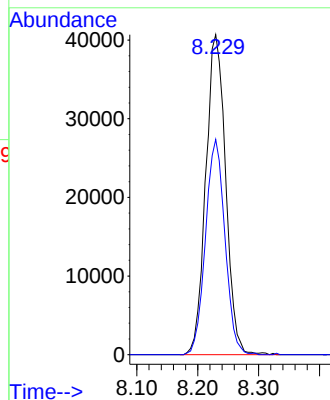


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

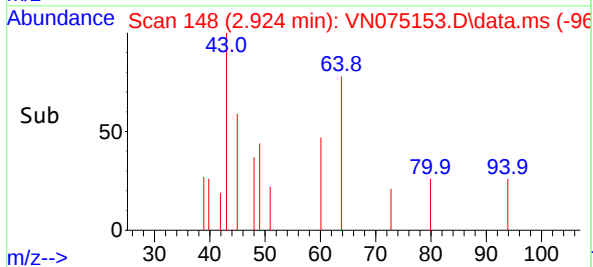
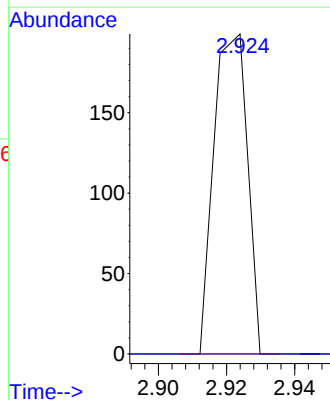
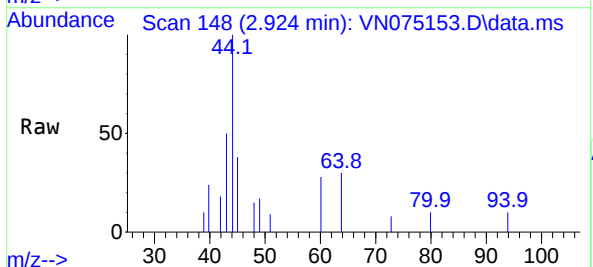


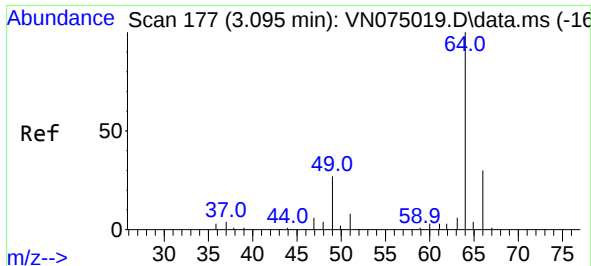
Tgt Ion:168 Resp: 92143
Ion Ratio Lower Upper
168 100
99 67.3 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.924 min Scan# 148
Delta R.T. 0.006 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 94 Resp: 136
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

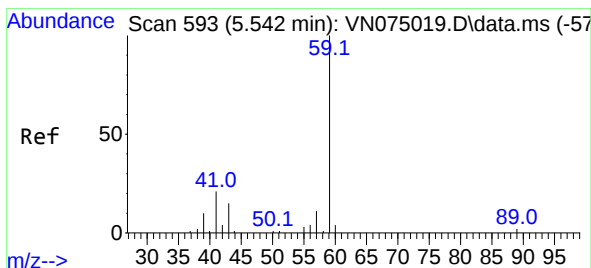
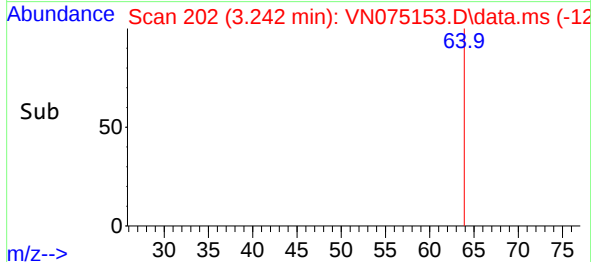
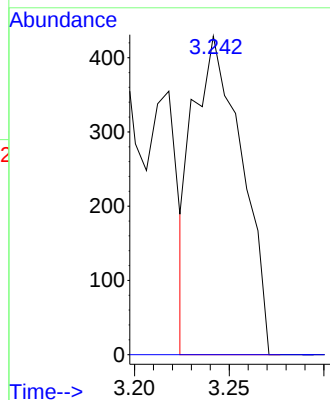
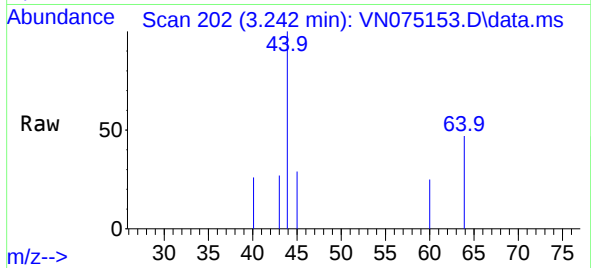




#6
Chloroethane
Concen: 0.588 ug/l
RT: 3.242 min Scan# 20
Delta R.T. 0.147 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

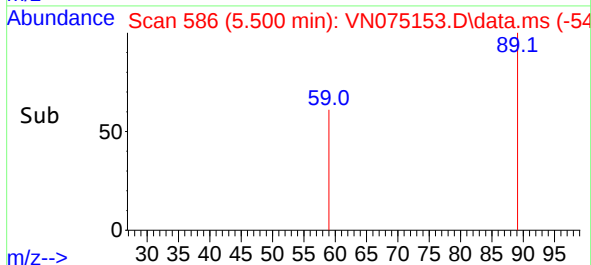
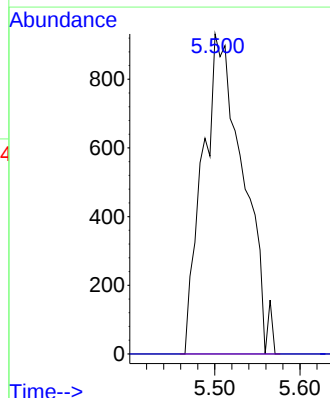
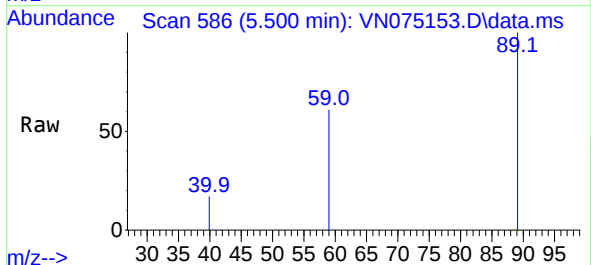
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

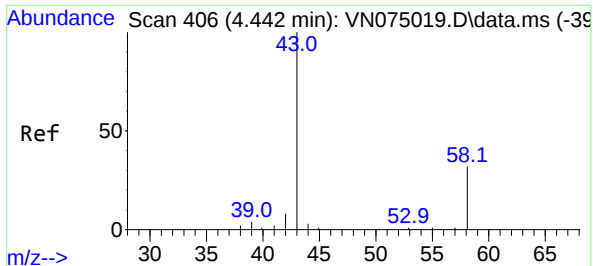
Tgt Ion: 64 Resp: 766
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 10.628 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 59 Resp: 3077
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

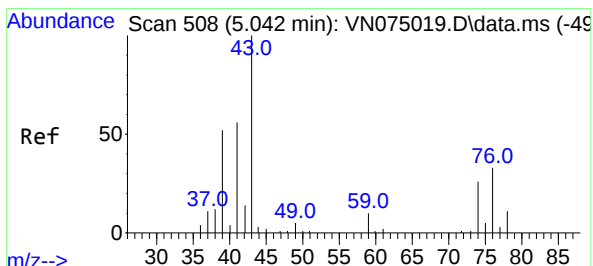
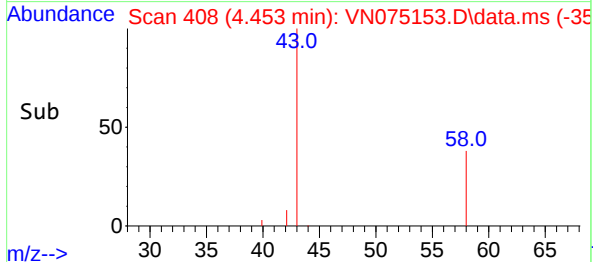
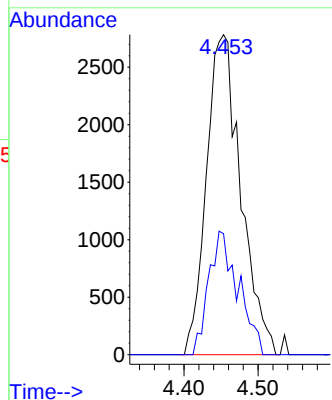
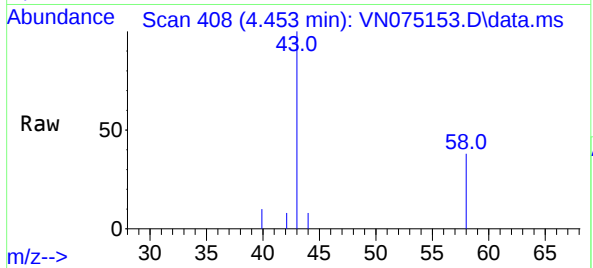




#16
Acetone
Concen: 17.054 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

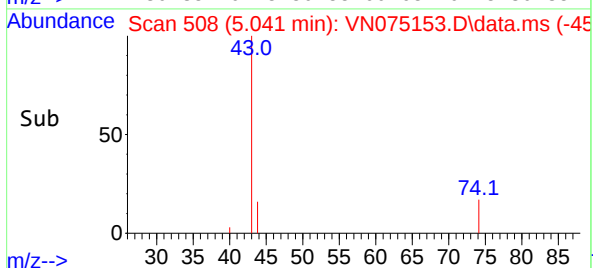
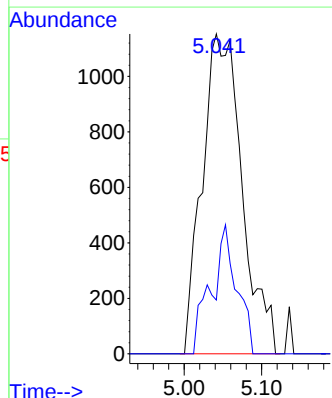
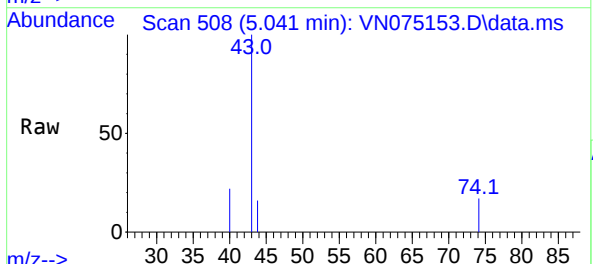
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

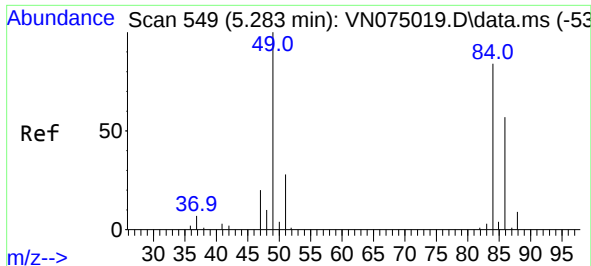
Tgt Ion: 43 Resp: 8965
Ion Ratio Lower Upper
43 100
58 37.8 25.5 38.3



#18
Methyl Acetate
Concen: 2.395 ug/l
RT: 5.041 min Scan# 508
Delta R.T. -0.001 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

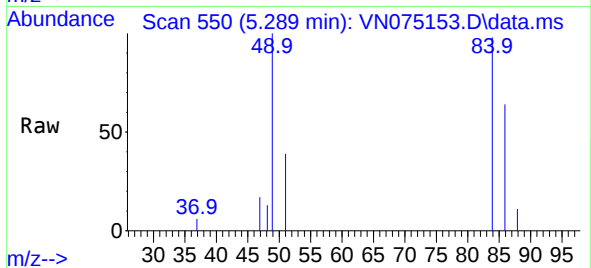
Tgt Ion: 43 Resp: 4113
Ion Ratio Lower Upper
43 100
74 25.8 22.0 33.0





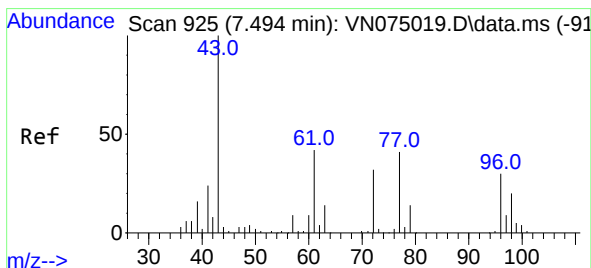
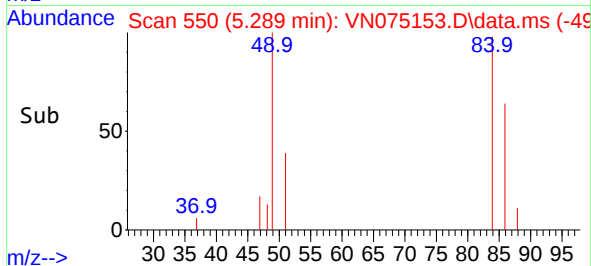
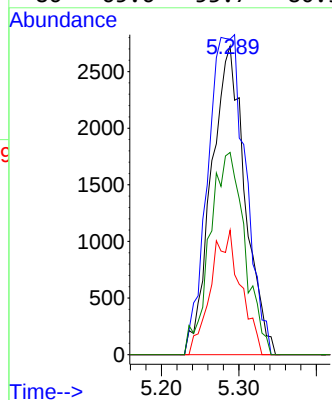
#20
Methylene Chloride
Concen: 7.014 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05



Tgt Ion: 84 Resp: 8221

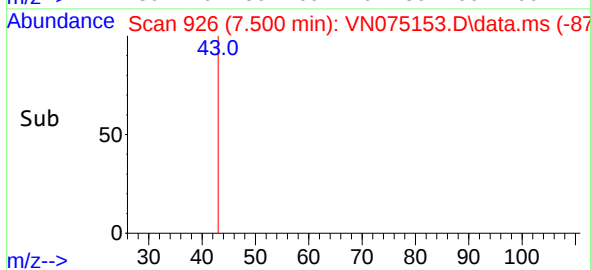
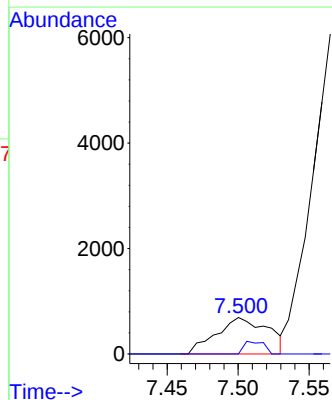
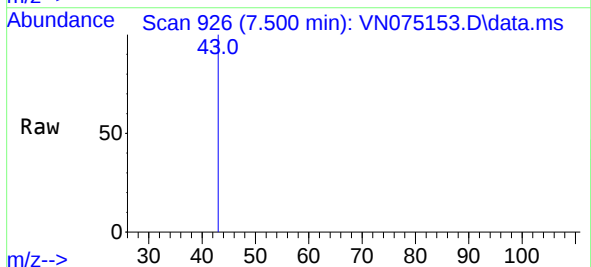
Ion	Ratio	Lower	Upper
84	100		
49	102.3	94.9	142.3
51	40.3	26.8	40.2#
86	65.6	53.7	80.5

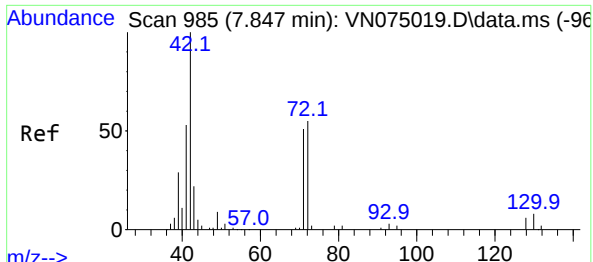


#25
2-Butanone
Concen: 2.121 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 43 Resp: 1754

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

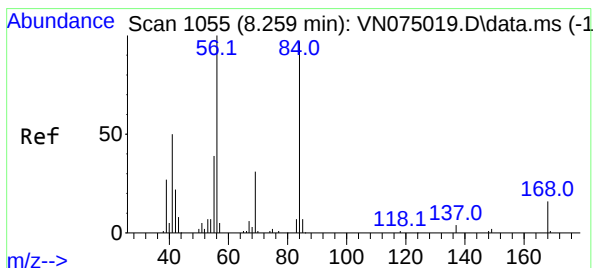
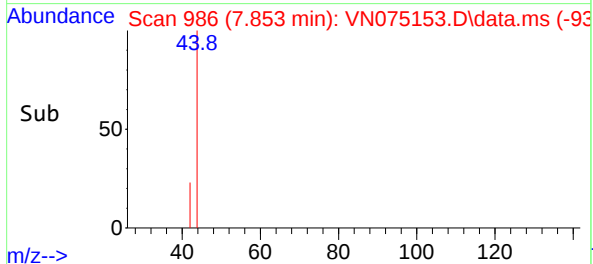
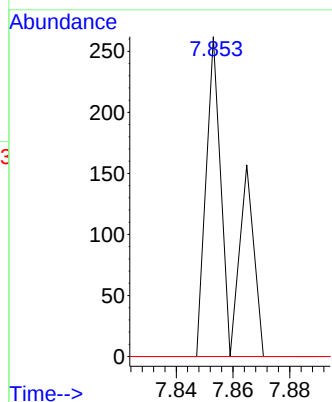
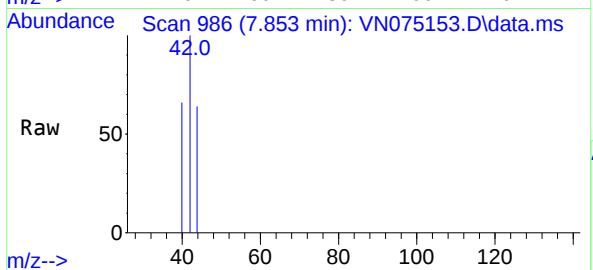




#29
Tetrahydrofuran
Concen: 0.277 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

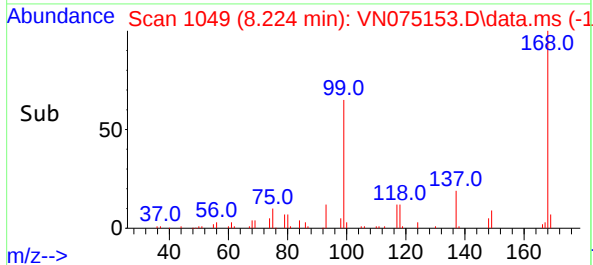
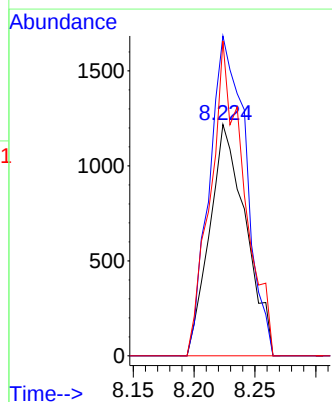
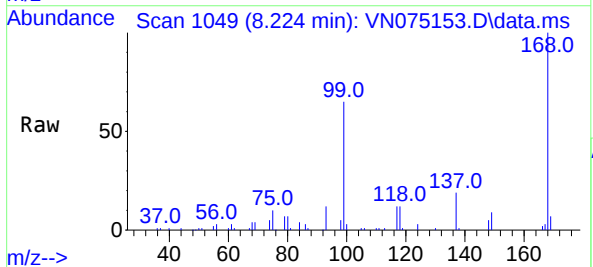
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ClientSampleId :
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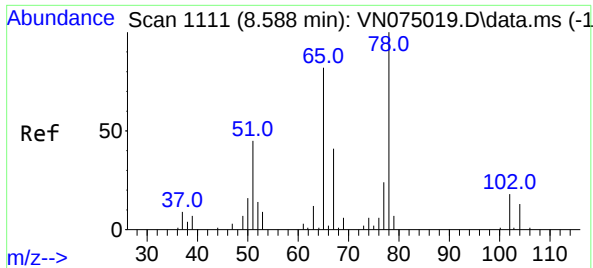
Tgt Ion:	42	Resp:	148
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.6#
71	0.0	39.9	59.9#



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion:	56	Resp:	2514
Ion	Ratio	Lower	Upper
56	100		
69	138.3	25.2	37.8#
84	136.1	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 61.637 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075153.D

Acq: 03 Nov 2022 18:49

Instrument :

MSVOA_N

ClientSampleId :

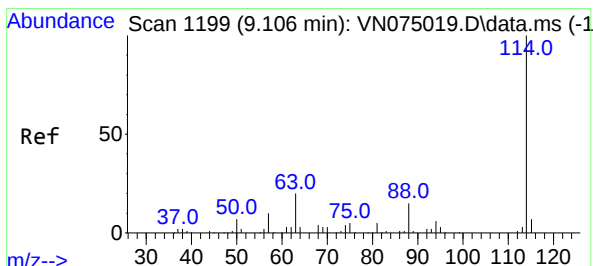
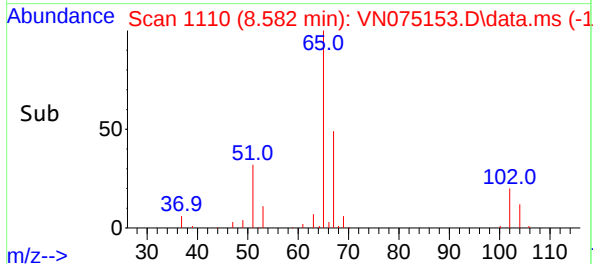
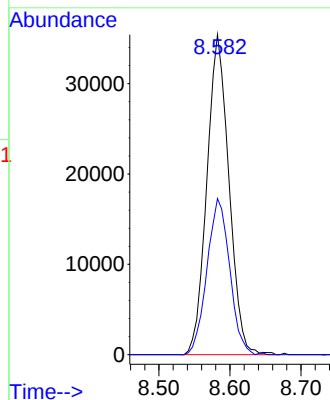
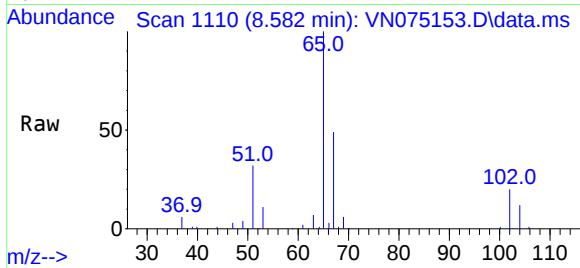
PB148771ZHE#05

Tgt Ion: 65 Resp: 76524

Ion Ratio Lower Upper

65 100

67 50.2 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: VN075153.D

Acq: 03 Nov 2022 18:49

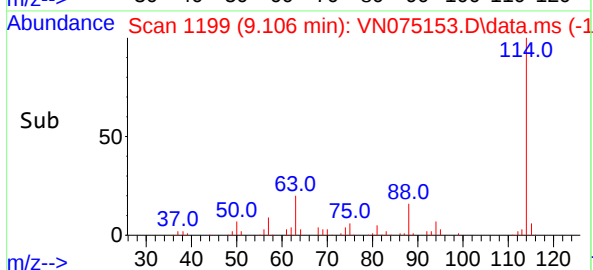
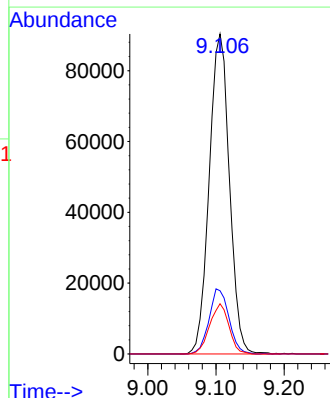
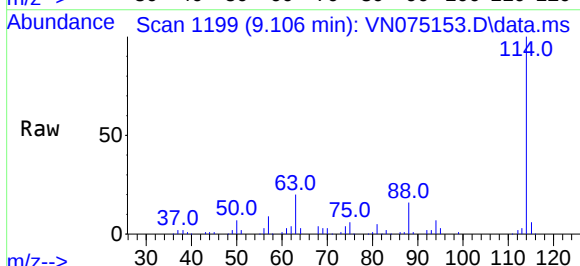
Tgt Ion: 114 Resp: 186305

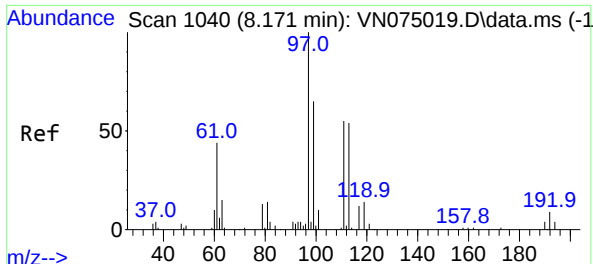
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

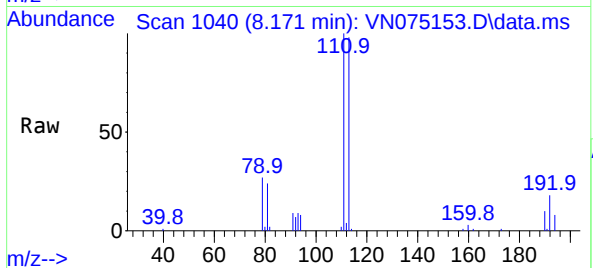
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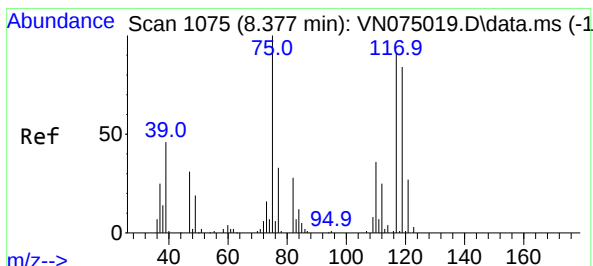
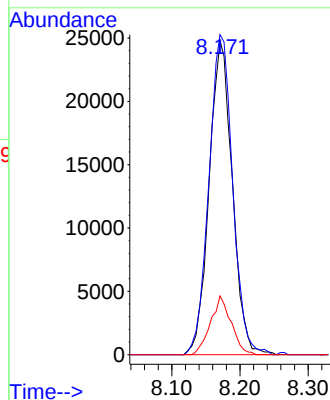
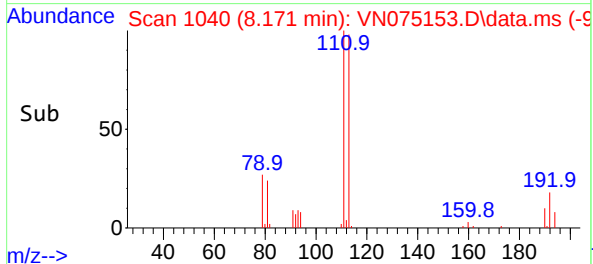


#35
Dibromofluoromethane
Concen: 53.491 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

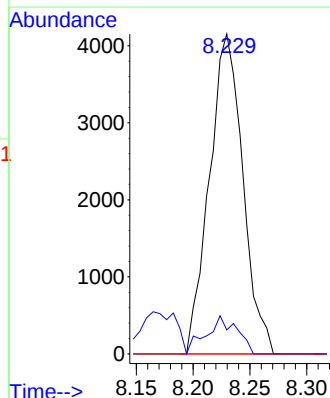
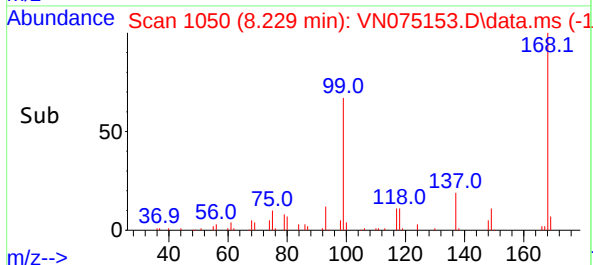
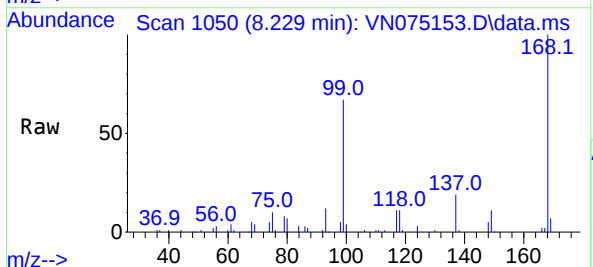


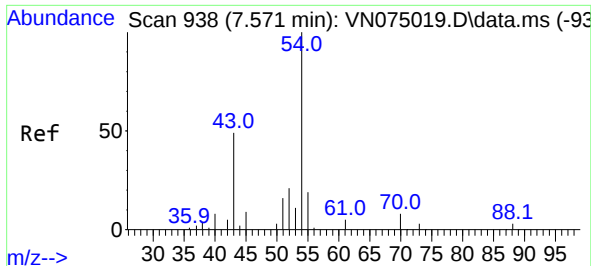
Tgt Ion:113 Resp: 58503
Ion Ratio Lower Upper
113 100
111 104.7 80.5 120.7
192 16.7 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.016 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 75 Resp: 8493
Ion Ratio Lower Upper
75 100
110 10.8 17.8 53.3#
77 0.0 24.6 37.0#

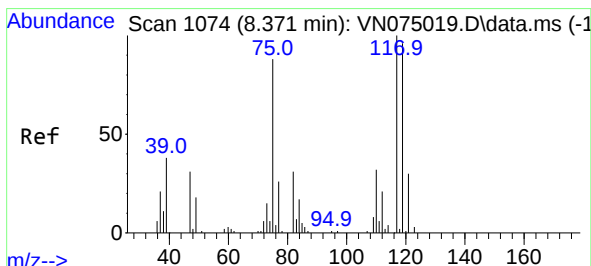
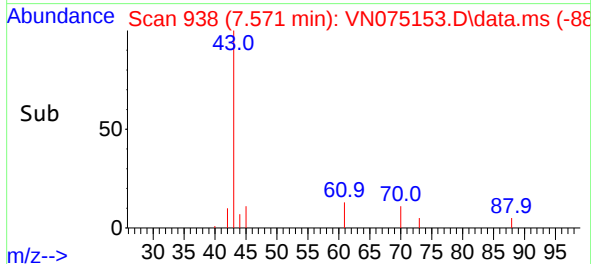
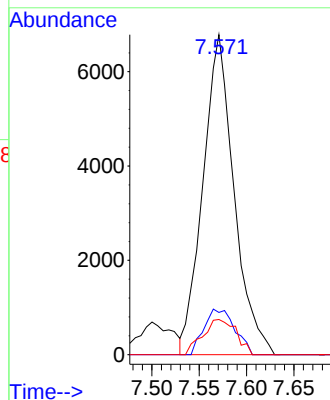
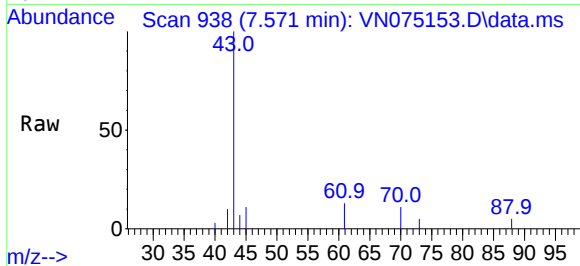




#37
Ethyl Acetate
Concen: 8.335 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

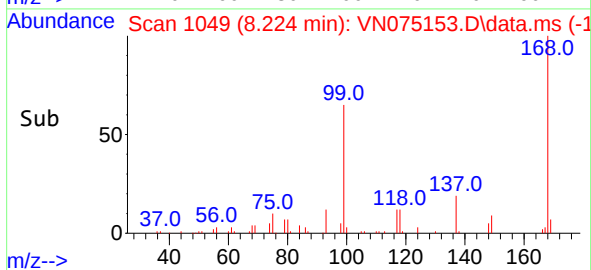
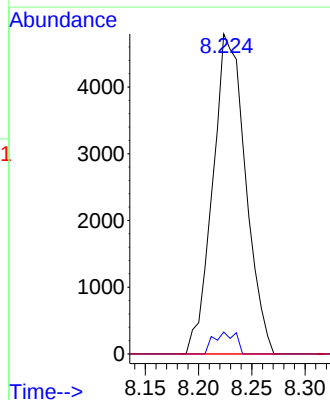
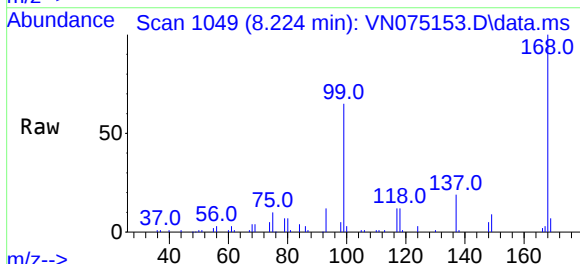
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

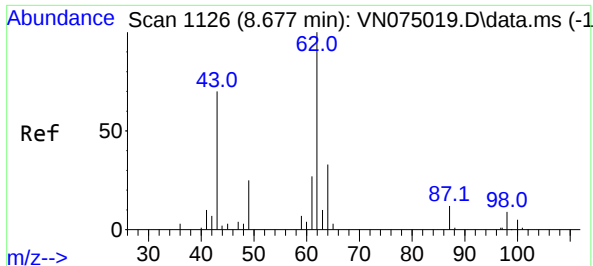
Tgt Ion:	43	Resp:	15477
Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.2	18.4
70	11.9	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.512 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion:	117	Resp:	10266
Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.7	115.1#
121	0.0	23.9	35.9#

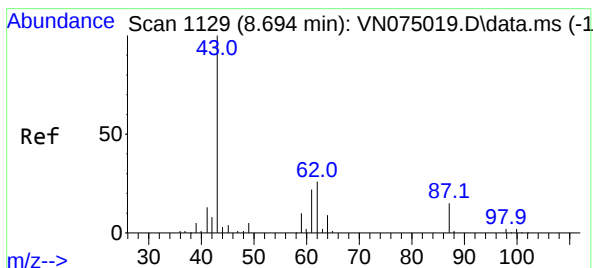
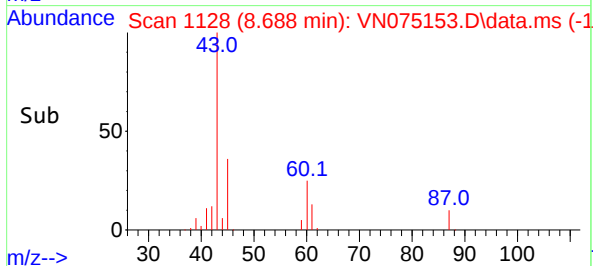
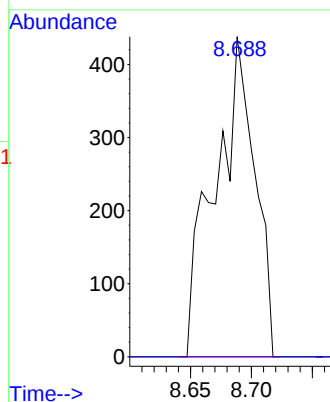
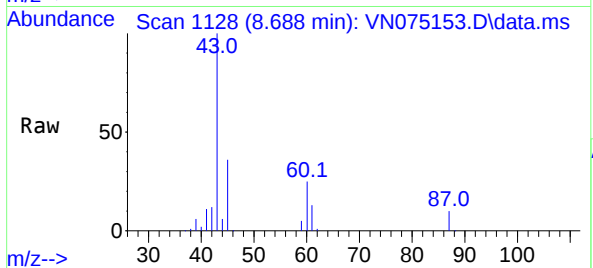




#42
1,2-Dichloroethane
Concen: 0.532 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

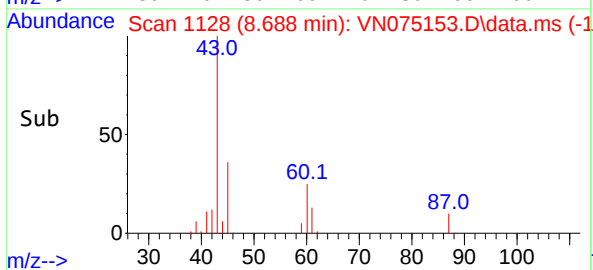
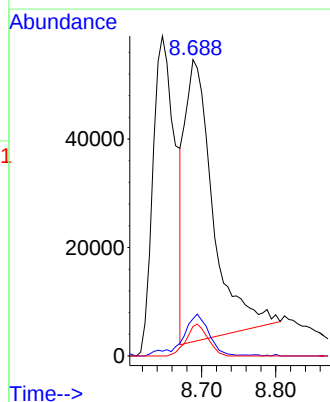
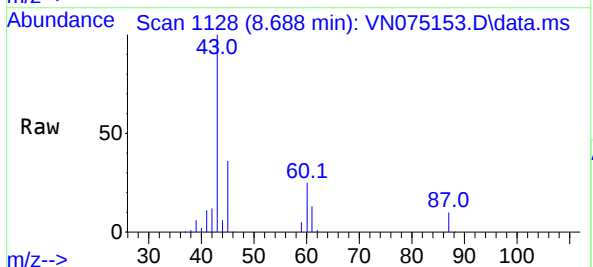
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

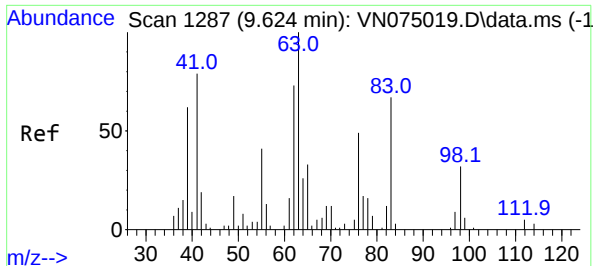
Tgt Ion: 62 Resp: 1003
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 47.940 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 43 Resp: 138084
Ion Ratio Lower Upper
43 100
61 13.8 22.4 33.6#
87 8.6 12.5 18.7#

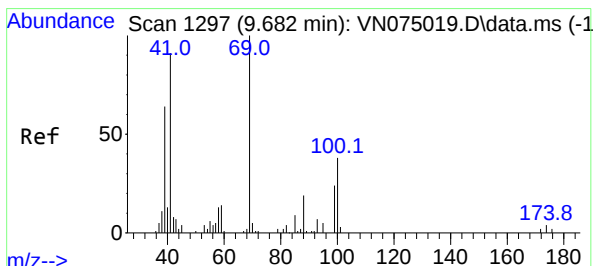
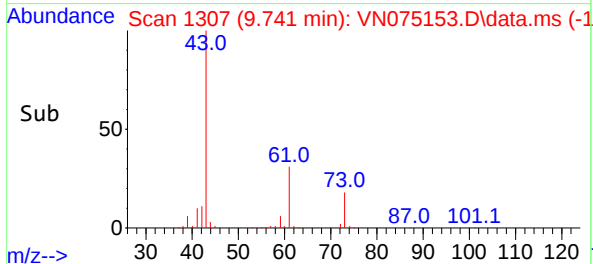
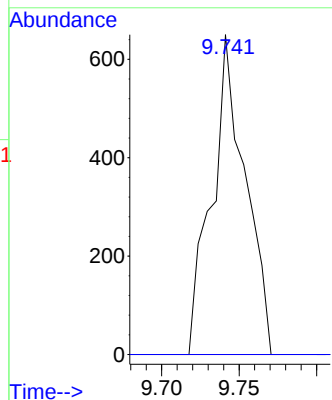
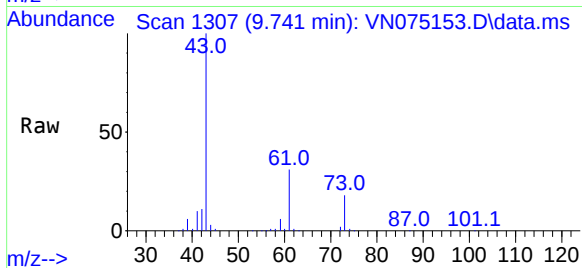




#45
1,2-Dichloropropane
Concen: 0.792 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

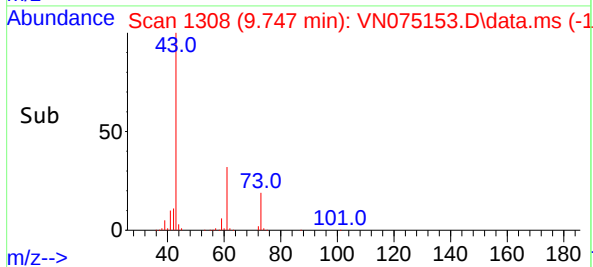
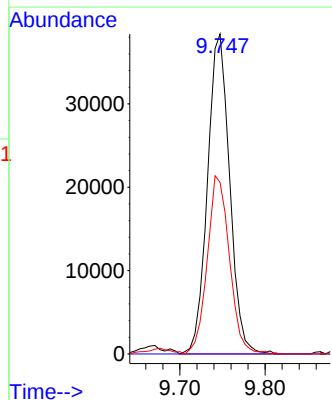
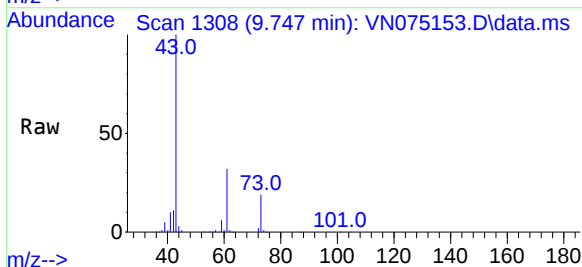
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

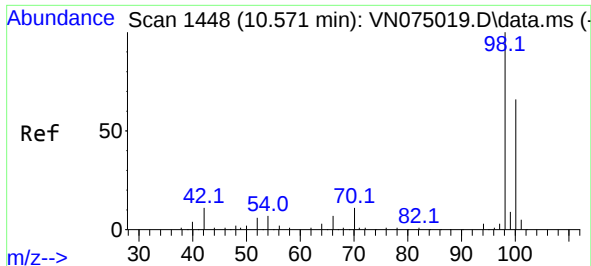
Tgt Ion: 63 Resp: 977
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 52.444 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 41 Resp: 69293
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 55.9 56.2 84.2#

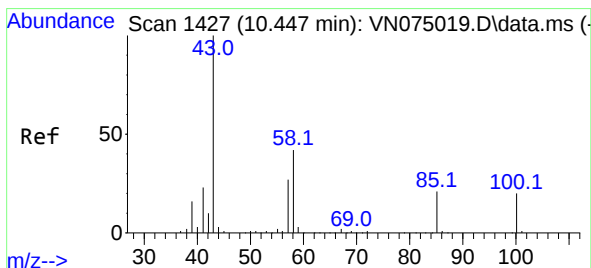
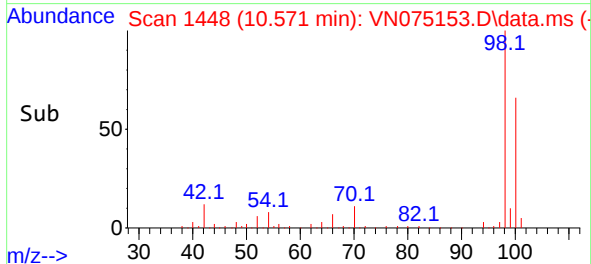
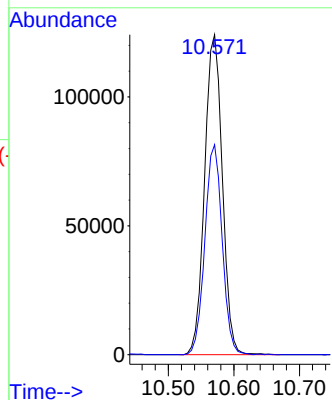
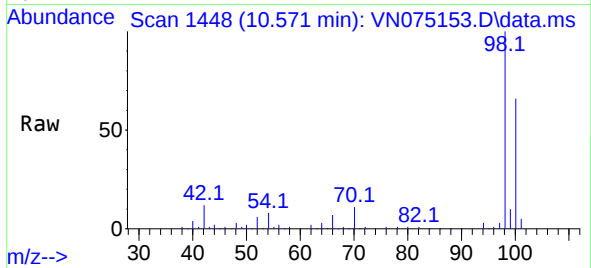




#50
Toluene-d8
Concen: 55.057 ug/l
RT: 10.571 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

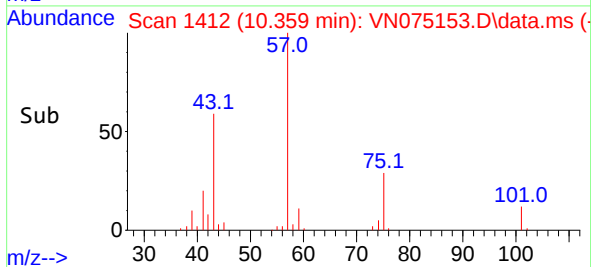
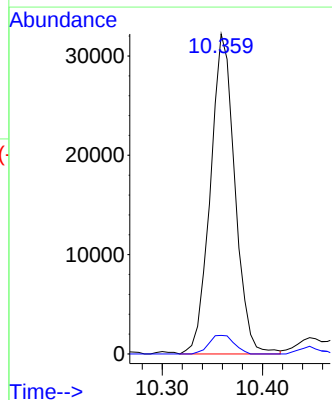
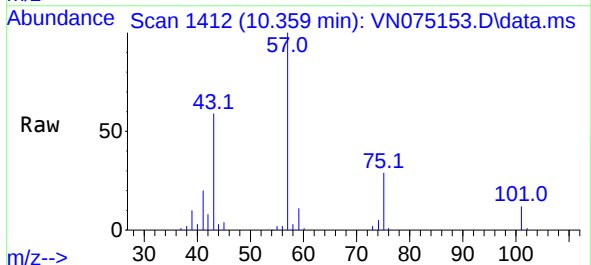
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

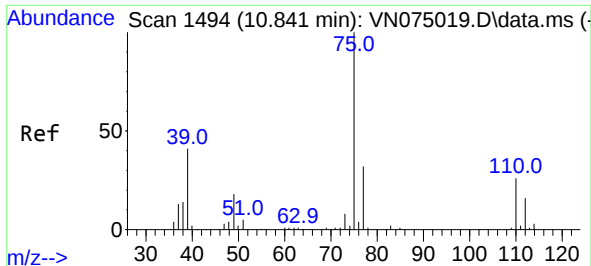
Tgt Ion: 98 Resp: 233621
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 29.451 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 43 Resp: 54741
Ion Ratio Lower Upper
43 100
58 6.0 33.6 50.4#

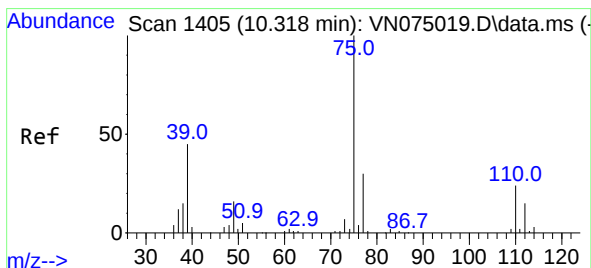
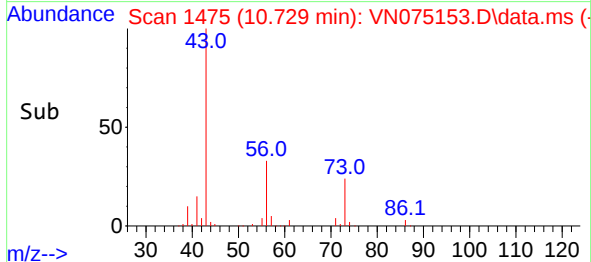
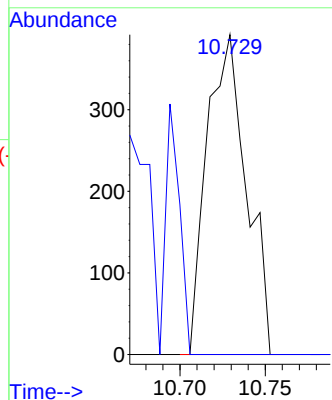
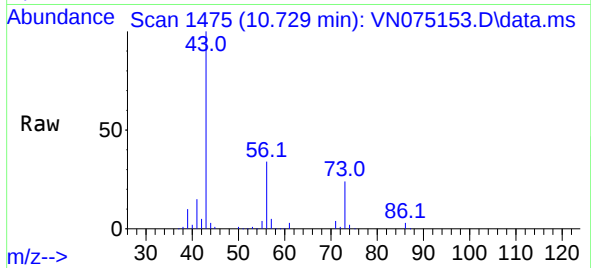




#53
 t-1,3-Dichloropropene
 Concen: 0.323 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.112 min
 Lab File: VN075153.D
 Acq: 03 Nov 2022 18:49

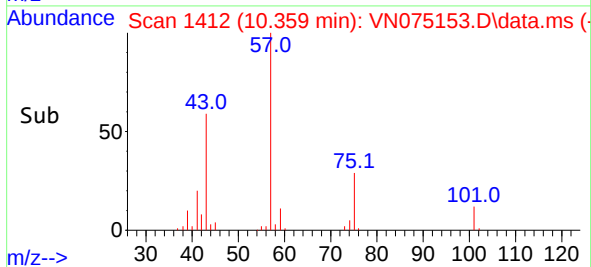
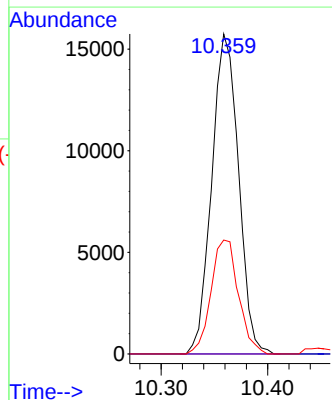
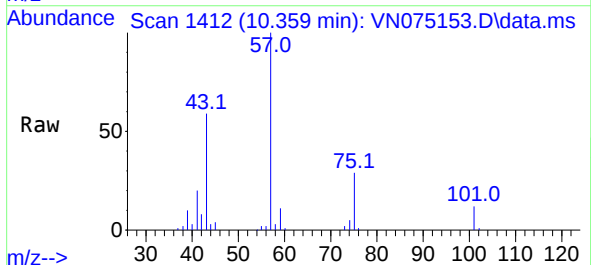
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148771ZHE#05

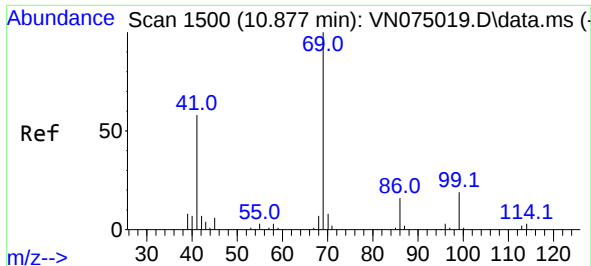
Tgt Ion: 75 Resp: 634
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 13.192 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075153.D
 Acq: 03 Nov 2022 18:49

Tgt Ion: 75 Resp: 27492
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 35.6 35.8 53.6#

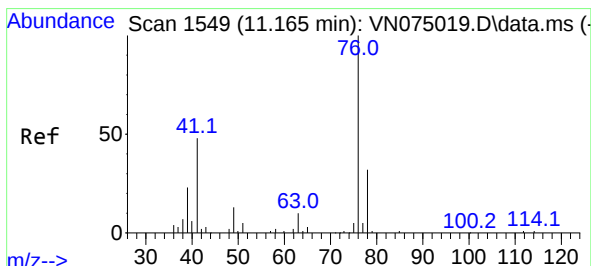
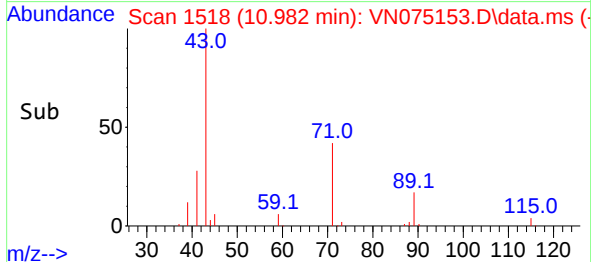
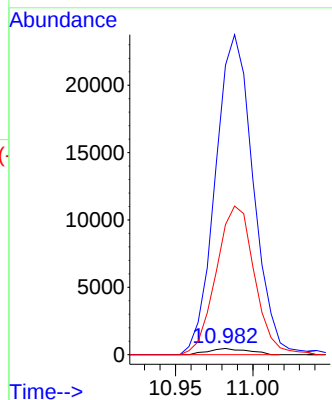
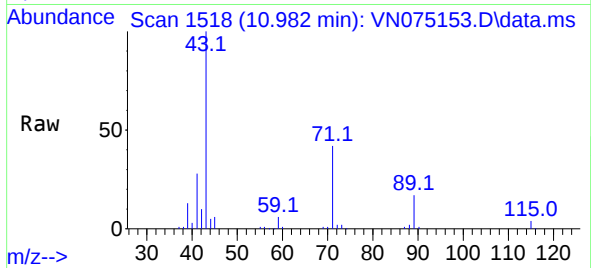




#56
Ethyl methacrylate
Concen: 0.392 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

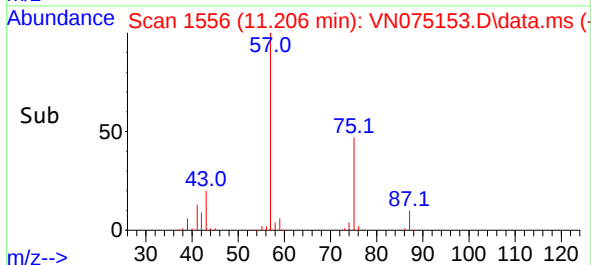
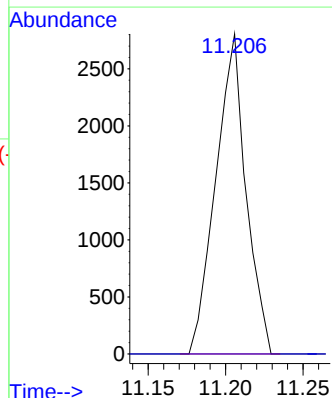
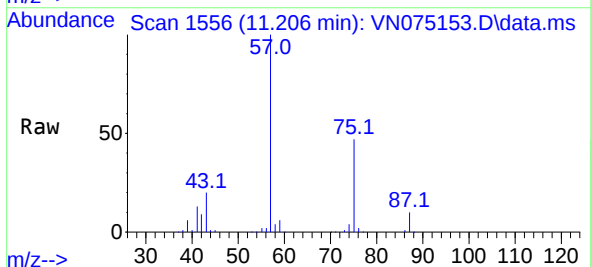
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

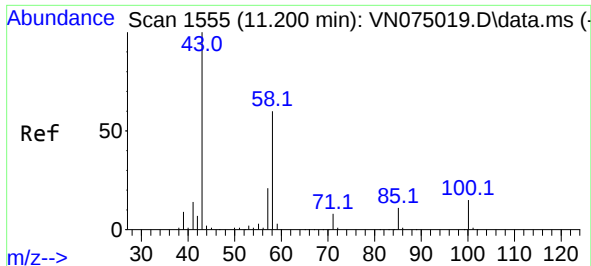
Tgt Ion: 69 Resp: 822
Ion Ratio Lower Upper
69 100
41 4932.7 45.6 68.4#
39 2311.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.662 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 76 Resp: 3803
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

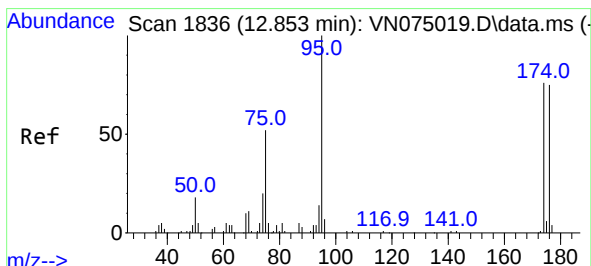
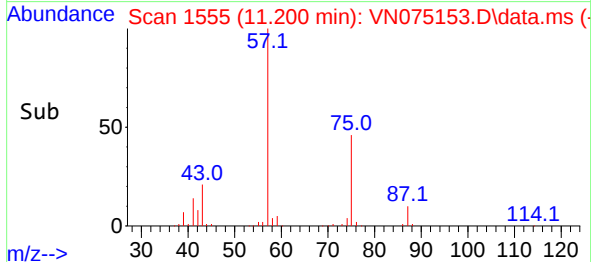
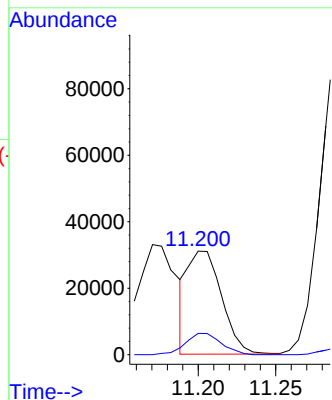
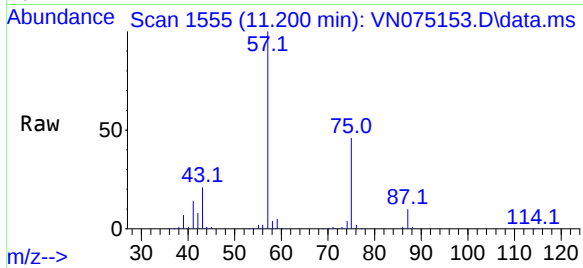




#59
2-Hexanone
Concen: 33.612 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

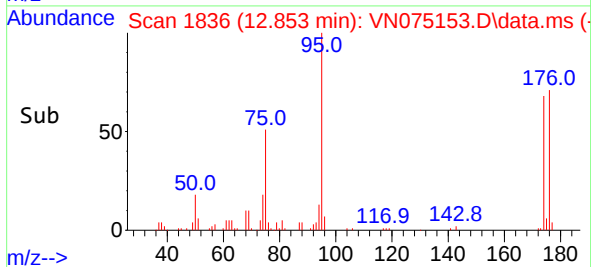
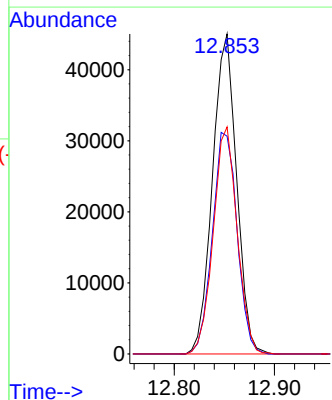
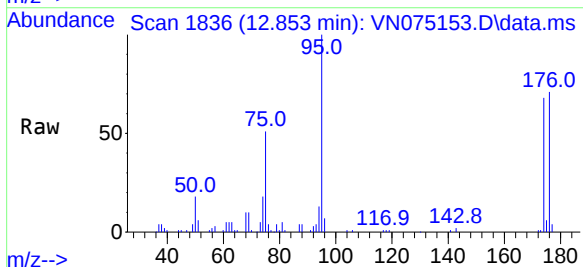
Instrument :
MSVOA_N
ClientSampleId :
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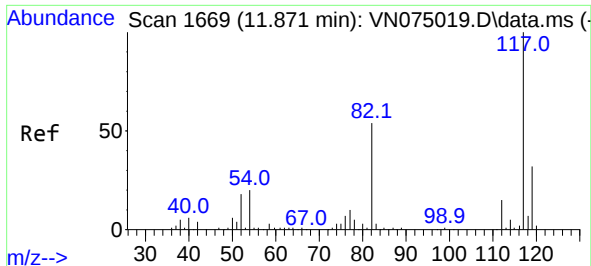
Tgt Ion: 43 Resp: 47416
Ion Ratio Lower Upper
43 100
58 21.7 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.323 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 95 Resp: 75010
Ion Ratio Lower Upper
95 100
174 71.1 0.0 147.4
176 70.5 0.0 142.2

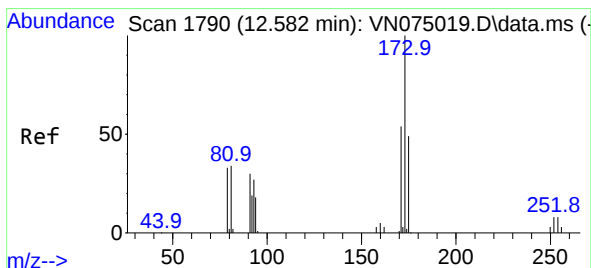
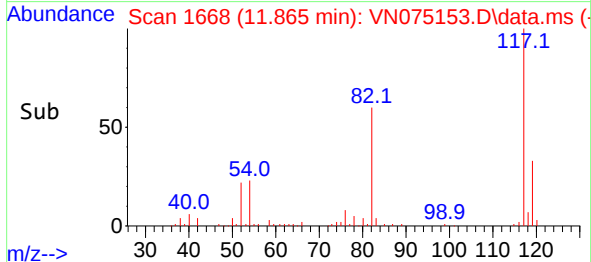
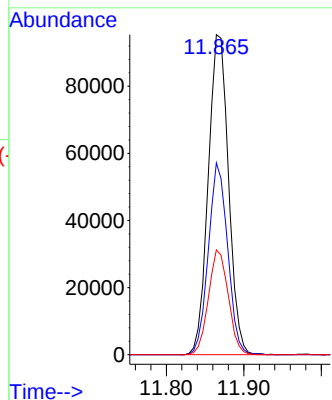
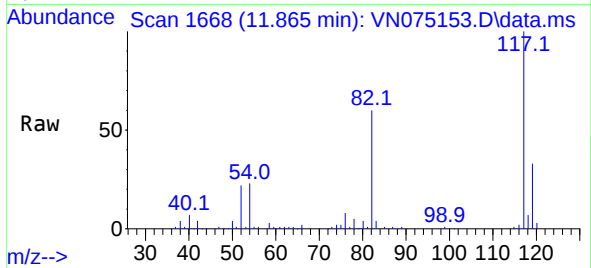




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

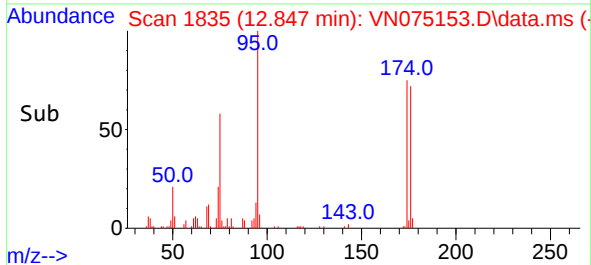
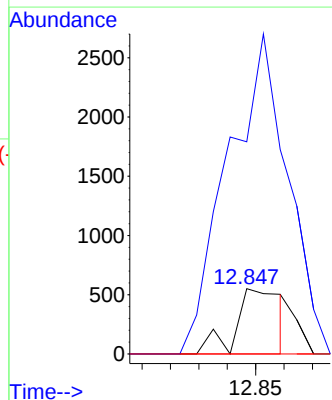
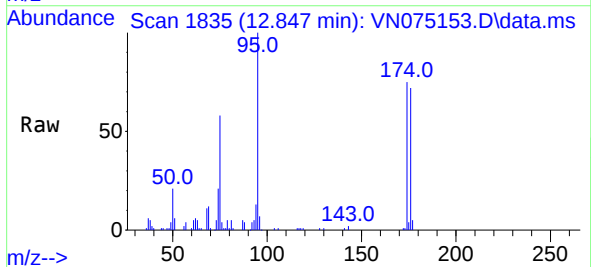
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

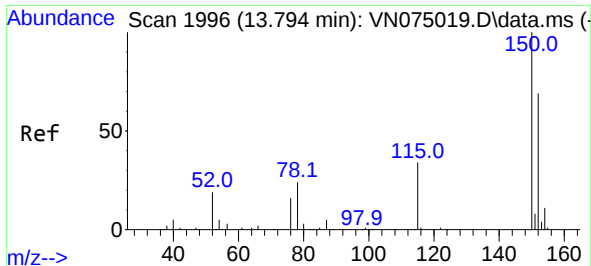
Tgt Ion:117 Resp: 173284
Ion Ratio Lower Upper
117 100
82 59.9 43.1 64.7
119 32.7 25.5 38.3



#71
Bromoform
Concen: 0.609 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

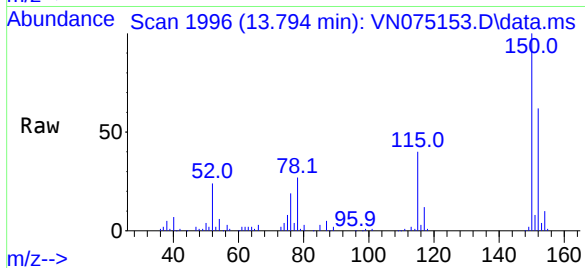
Tgt Ion:173 Resp: 626
Ion Ratio Lower Upper
173 100
175 540.1 24.6 74.0#
254 0.0 0.0 0.0



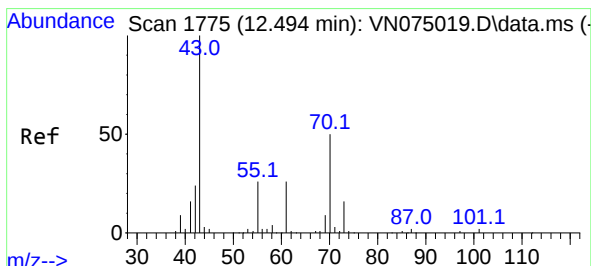
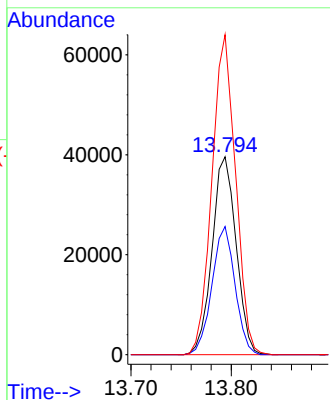
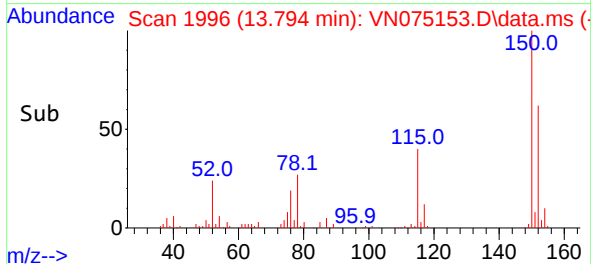


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

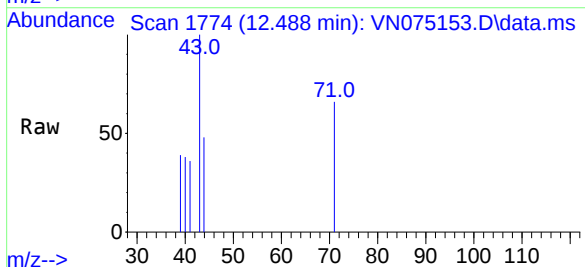
Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05



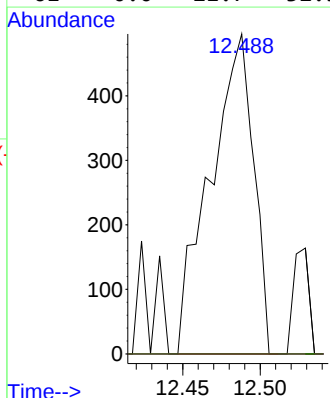
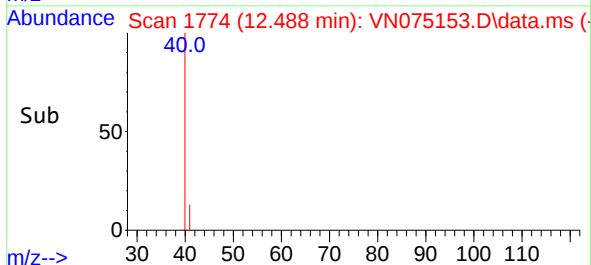
Tgt Ion:152 Resp: 66110
Ion Ratio Lower Upper
152 100
115 62.1 30.2 90.6
150 158.8 0.0 348.4

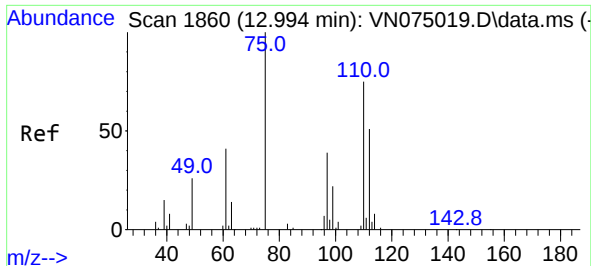


#74
N-ethyl acetate
Concen: 0.493 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49



Tgt Ion: 43 Resp: 967
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#

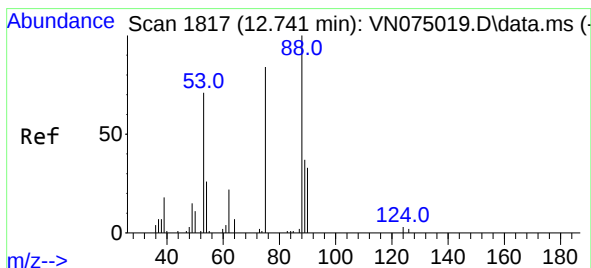
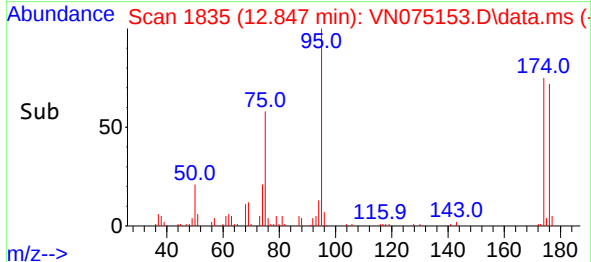
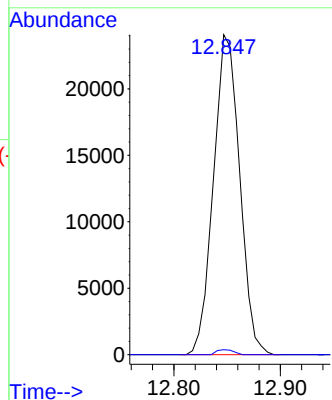
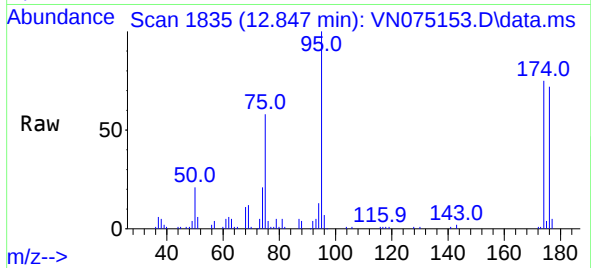




#76
1,2,3-Trichloropropane
Concen: 29.316 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Instrument :
MSVOA_N
ClientSampleId :
PB148771ZHE#05

Tgt Ion: 75 Resp: 41151
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.255 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075153.D
Acq: 03 Nov 2022 18:49

Tgt Ion: 75 Resp: 41151
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

