

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075631.D
 Acq On : 08 Dec 2022 01:08
 Operator : JC\MD
 Sample : PB149441ZHE03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149441ZHE03

Quant Time: Dec 08 06:44:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

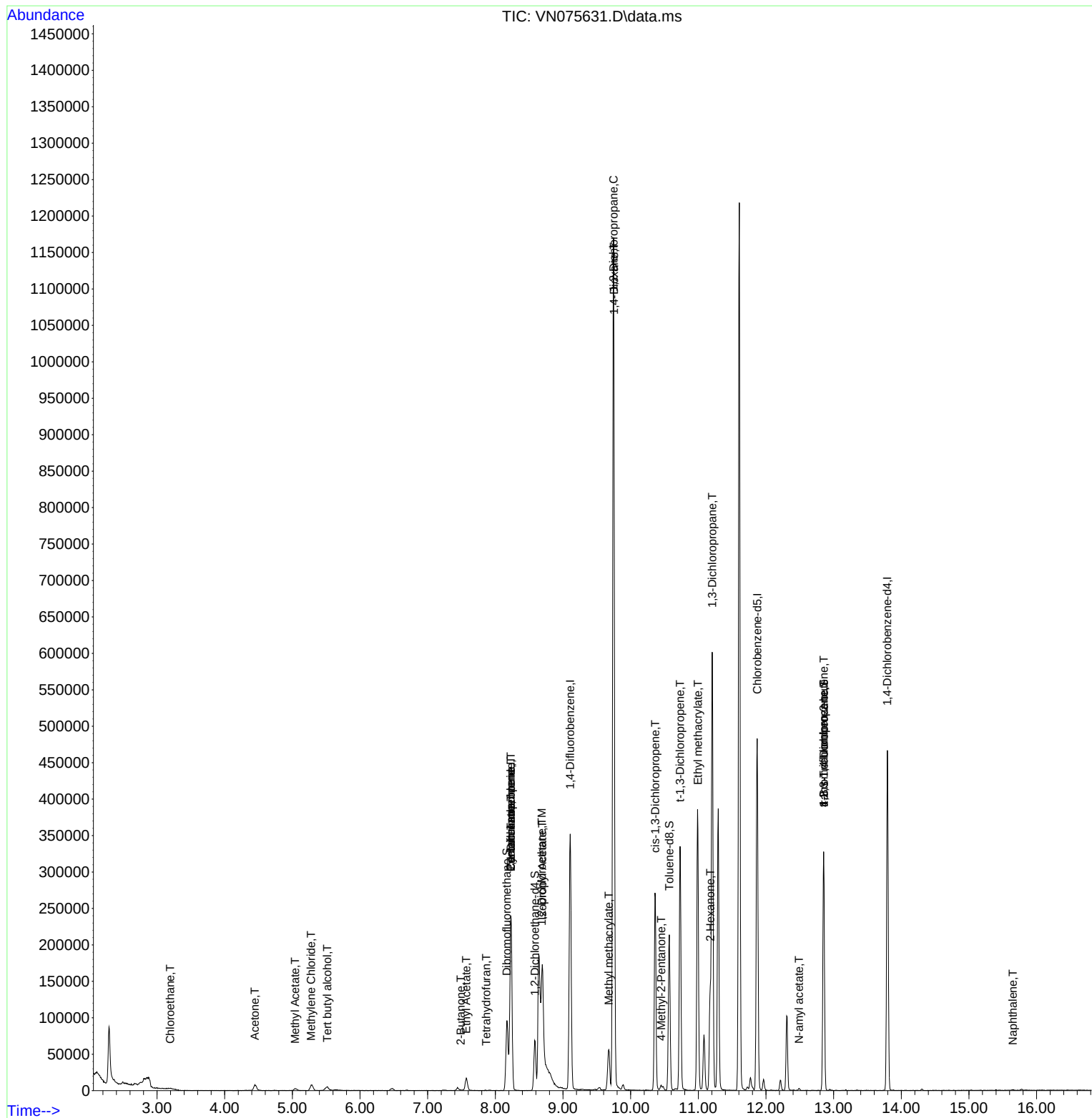
Internal Standards						
1) Pentafluorobenzene	8.230	168	190779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	298579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	55236	53.937	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.880%	
35) Dibromofluoromethane	8.171	113	67854	52.737	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.480%	
50) Toluene-d8	10.571	98	149767	51.682	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.853	95	108520	50.735	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.480%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.195	64	2532	1.461	ug/l #	45
11) Tert butyl alcohol	5.518	59	5095	11.852	ug/l #	72
16) Acetone	4.447	43	15817	16.559	ug/l	93
18) Methyl Acetate	5.042	43	5275	0.919	ug/l	91
20) Methylene Chloride	5.277	84	6973	2.382	ug/l #	87
25) 2-Butanone	7.488	43	775	0.581	ug/l #	86
29) Tetrahydrofuran	7.865	42	360	0.444	ug/l #	48
31) Cyclohexane	8.230	56	3256	1.001	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	13141	4.683	ug/l #	50
37) Ethyl Acetate	7.571	43	25214	9.980	ug/l	99
38) Carbon Tetrachloride	8.230	117	18348	5.953	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1177	0.409	ug/l #	75
43) Isopropyl Acetate	8.694	43	241884	59.646	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1424	0.696	ug/l #	42
48) Methyl methacrylate	9.677	41	3192	1.702	ug/l #	33
49) 1,4-Dioxane	9.753	88	81	1.521	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	4397	1.702	ug/l	98
53) t-1,3-Dichloropropene	10.729	75	932	0.310	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	55921	17.103	ug/l #	62
56) Ethyl methacrylate	10.994	69	1215	0.399	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6690	1.820	ug/l #	42
59) 2-Hexanone	11.176	43	98354	50.711	ug/l #	21
74) N-amyl acetate	12.488	43	1334	0.447	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	54582	21.741	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54582	64.326	ug/l #	10
95) Naphthalene	15.647	128	1752	0.246	ug/l #	69

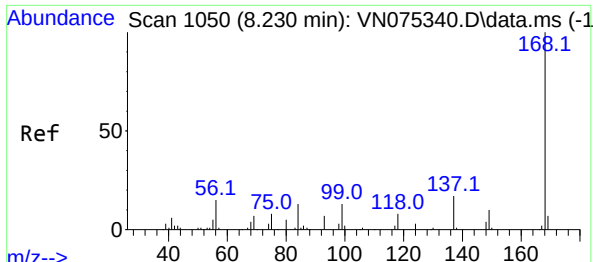
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

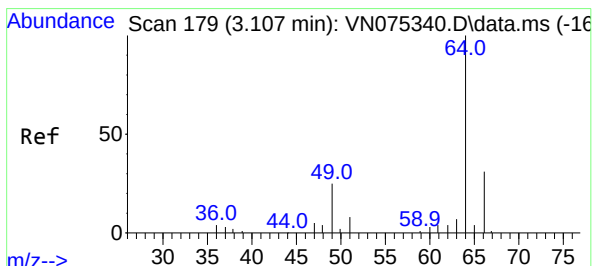
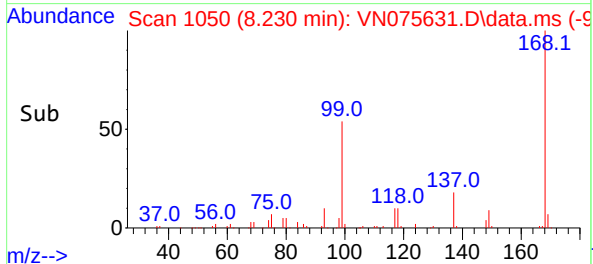
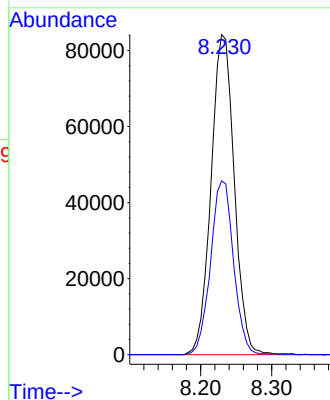
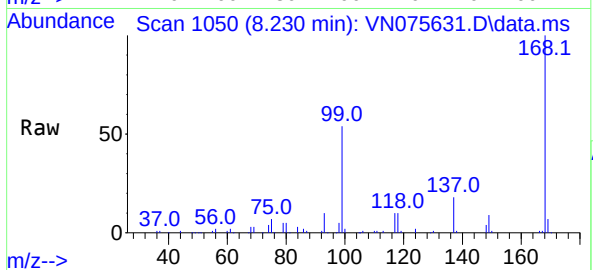




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

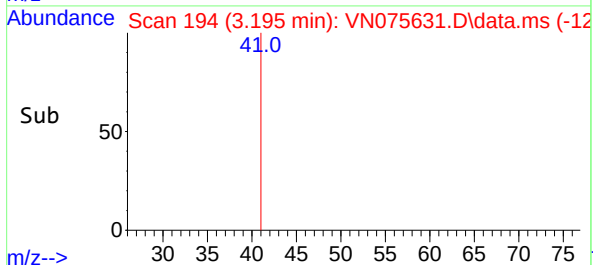
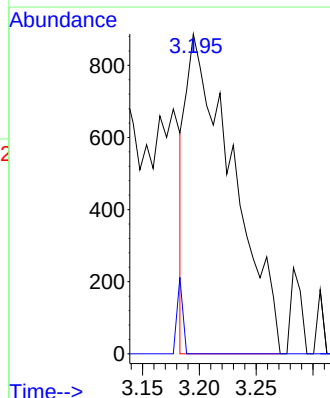
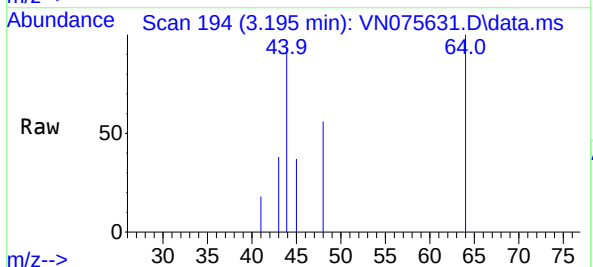
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

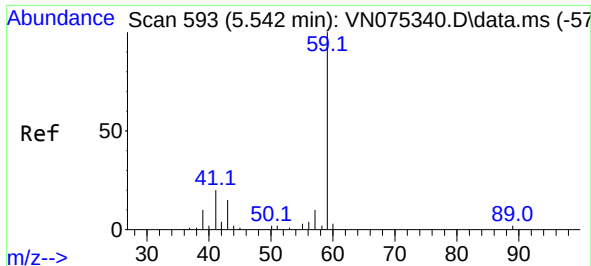
Tgt Ion:168 Resp: 190779
Ion Ratio Lower Upper
168 100
99 54.3 51.6 77.4



#6
Chloroethane
Concen: 1.461 ug/l
RT: 3.195 min Scan# 194
Delta R.T. 0.088 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 64 Resp: 2532
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 11.852 ug/l

RT: 5.518 min Scan# 509

Delta R.T. -0.024 min

Lab File: VN075631.D

Acq: 08 Dec 2022 01:08

Instrument :

MSVOA_N

ClientSampleId :

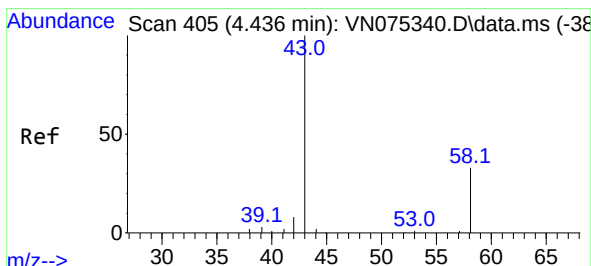
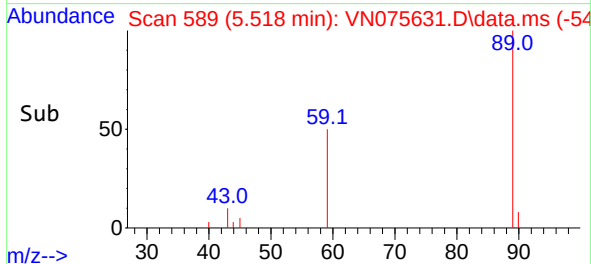
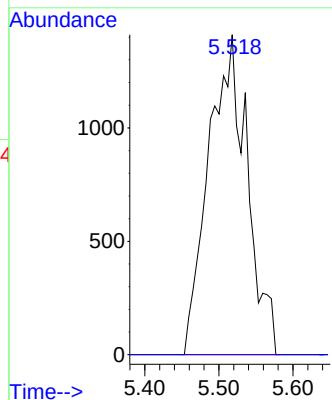
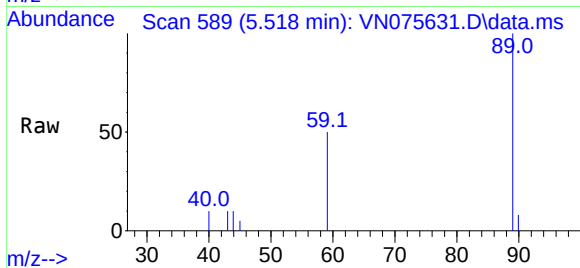
PB149441ZHE03

Tgt Ion: 59 Resp: 5095

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 16.559 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.011 min

Lab File: VN075631.D

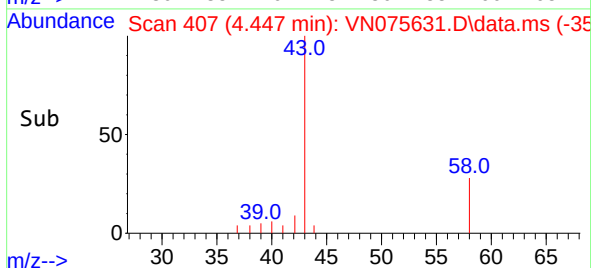
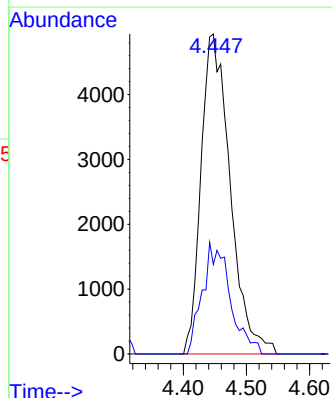
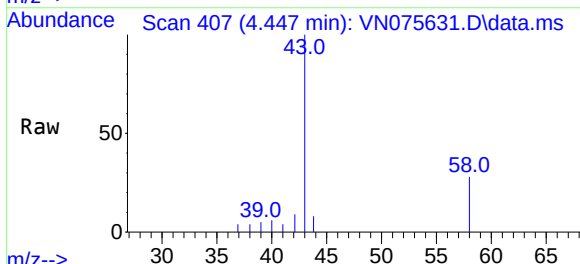
Acq: 08 Dec 2022 01:08

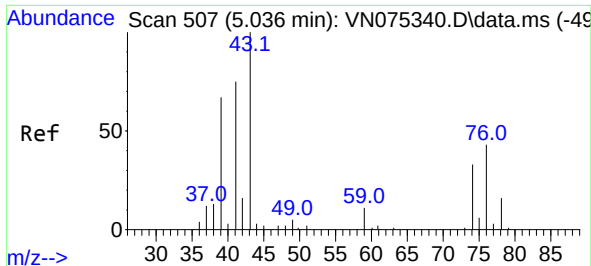
Tgt Ion: 43 Resp: 15817

Ion Ratio Lower Upper

43 100

58 28.0 25.5 38.3

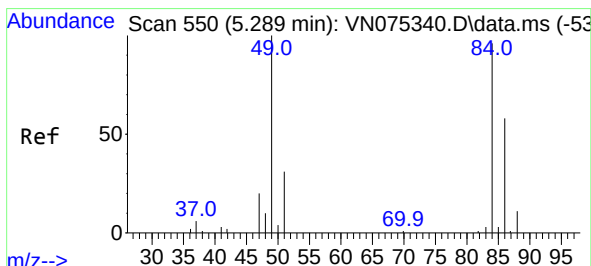
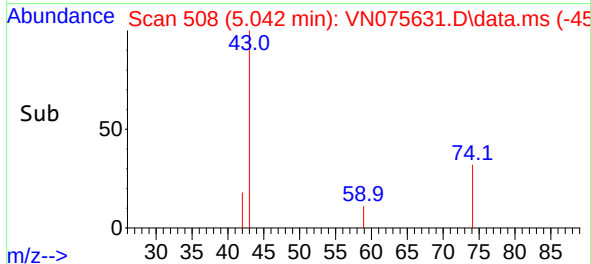
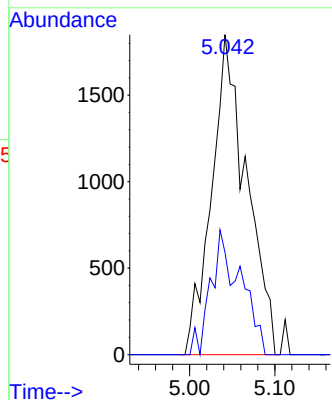
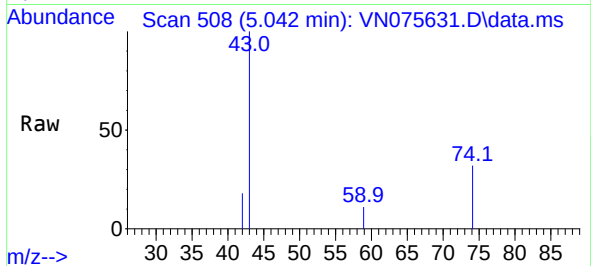




#18
Methyl Acetate
Concen: 0.919 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

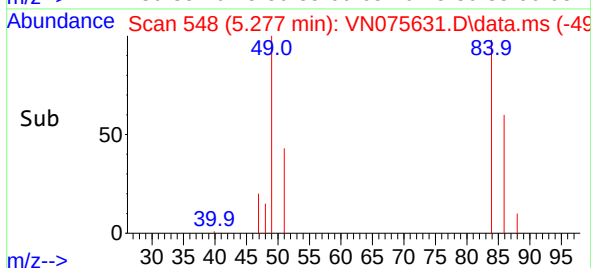
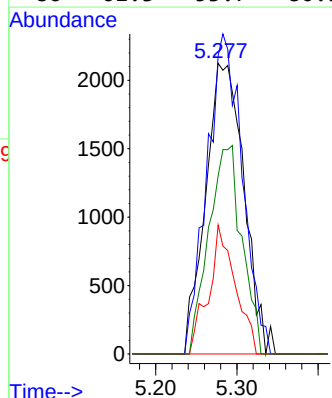
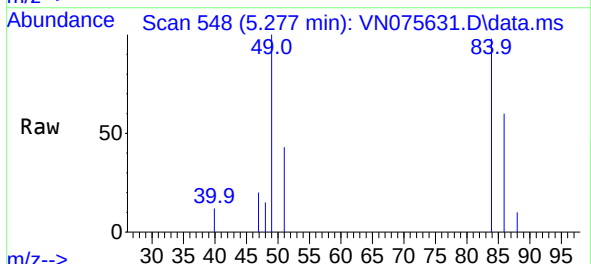
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

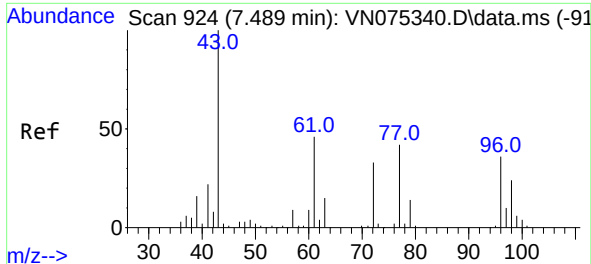
Tgt Ion: 43 Resp: 5275
Ion Ratio Lower Upper
43 100
74 22.6 22.0 33.0



#20
Methylene Chloride
Concen: 2.382 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 84 Resp: 6973
Ion Ratio Lower Upper
84 100
49 102.5 94.9 142.3
51 44.4 26.8 40.2#
86 61.3 53.7 80.5





#25

2-Butanone

Concen: 0.581 ug/l

RT: 7.488 min Scan# 91

Delta R.T. -0.001 min

Lab File: VN075631.D

Acq: 08 Dec 2022 01:08

Instrument :

MSVOA_N

ClientSampleId :

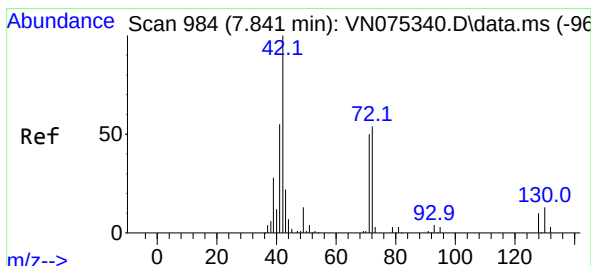
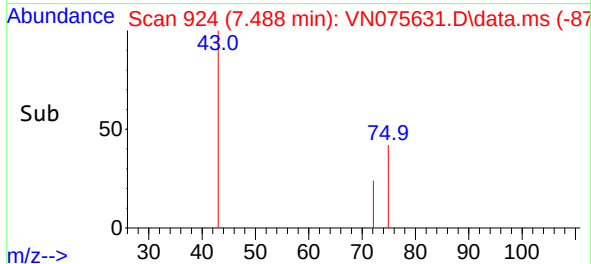
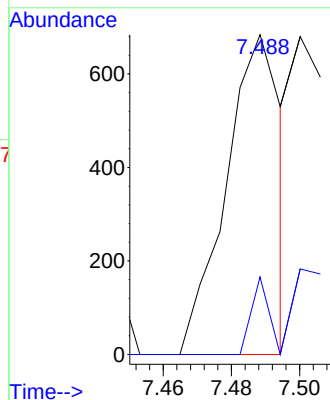
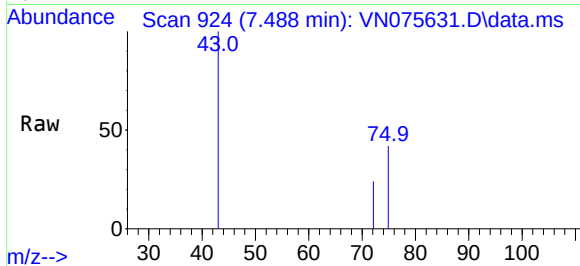
PB149441ZHE03

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 24.3 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.444 ug/l

RT: 7.865 min Scan# 988

Delta R.T. 0.024 min

Lab File: VN075631.D

Acq: 08 Dec 2022 01:08

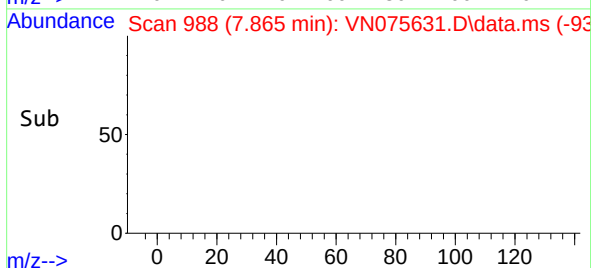
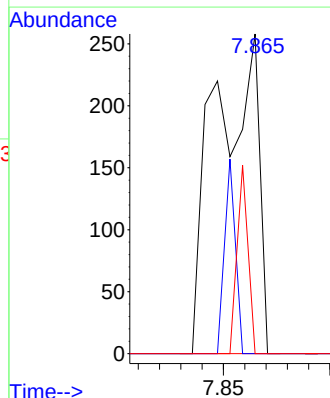
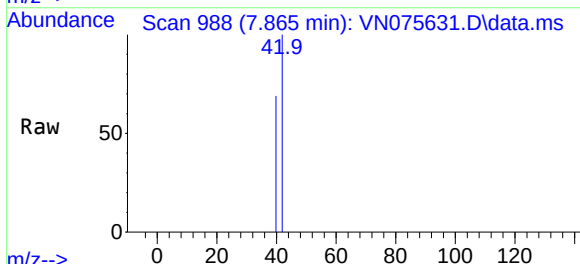
Tgt Ion: 42 Resp: 360

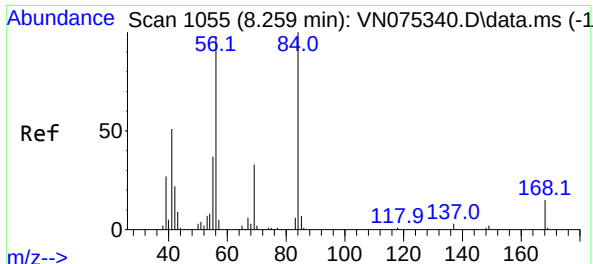
Ion Ratio Lower Upper

42 100

72 15.3 43.0 64.6#

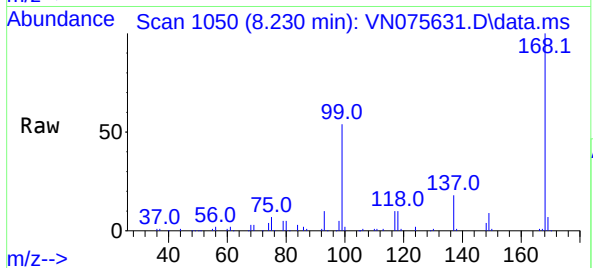
71 15.0 39.9 59.9#



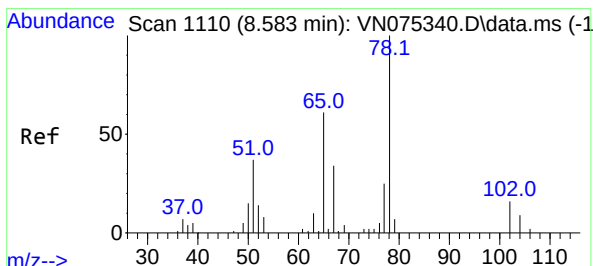
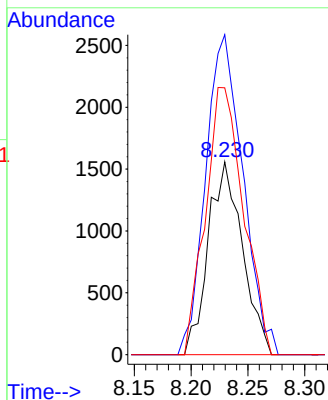
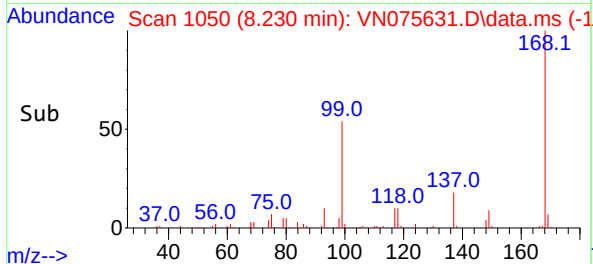


#31
Cyclohexane
Concen: 1.001 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

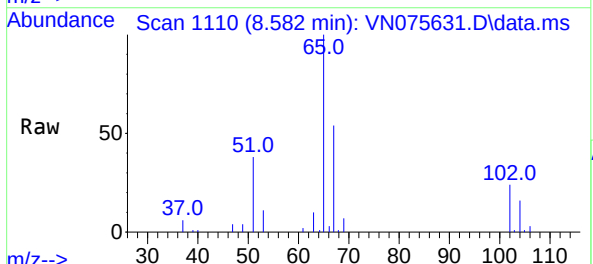
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03



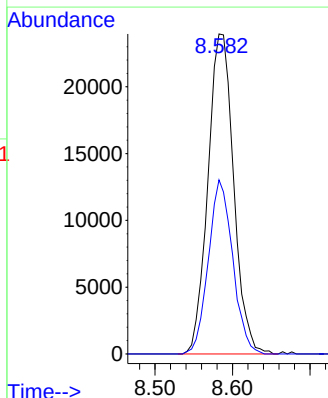
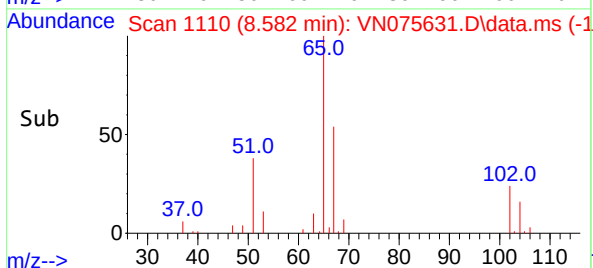
Tgt Ion: 56 Resp: 3256
Ion Ratio Lower Upper
56 100
69 165.9 25.2 37.8#
84 138.4 77.8 116.8#

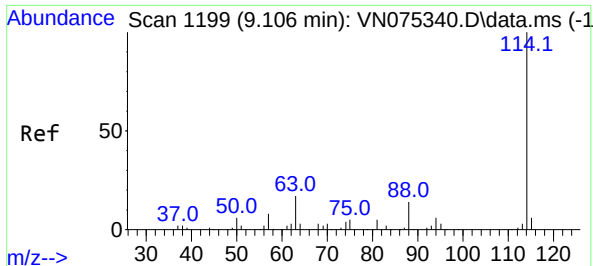


#33
1,2-Dichloroethane-d4
Concen: 53.937 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08



Tgt Ion: 65 Resp: 55236
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.0

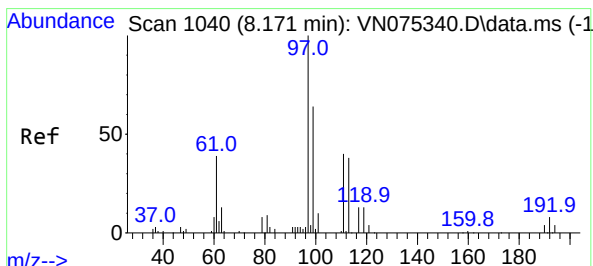
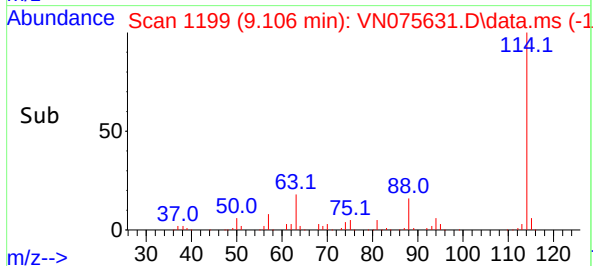
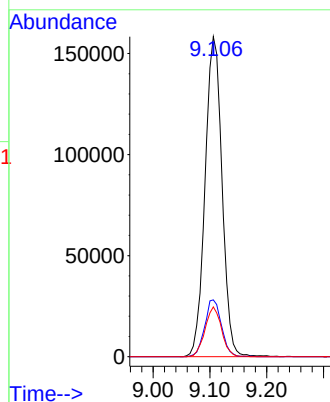
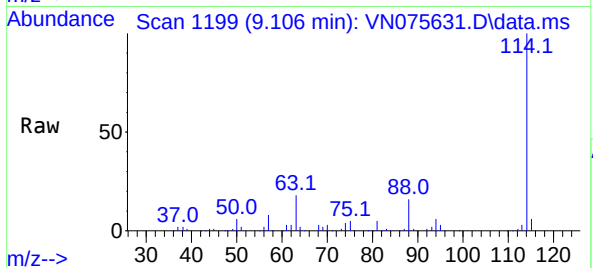




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

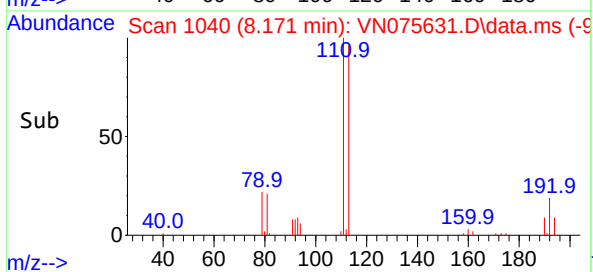
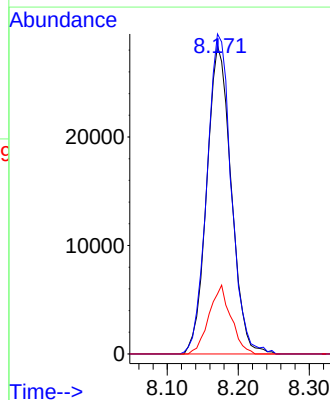
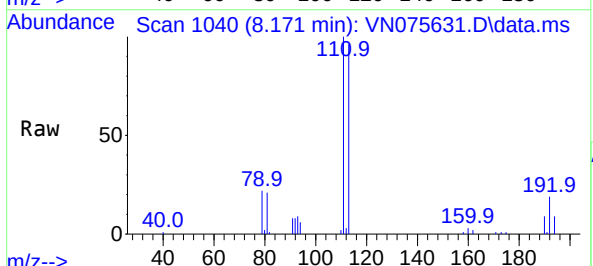
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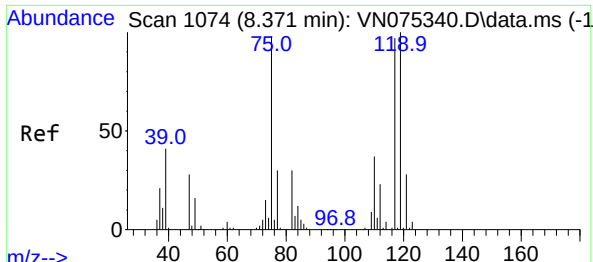
Tgt Ion:114 Resp: 327528
Ion Ratio Lower Upper
114 100
63 17.8 0.0 39.6
88 15.5 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.737 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

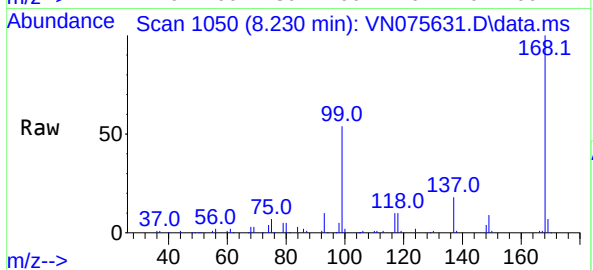
Tgt Ion:113 Resp: 67854
Ion Ratio Lower Upper
113 100
111 103.7 80.5 120.7
192 20.1 13.2 19.8#



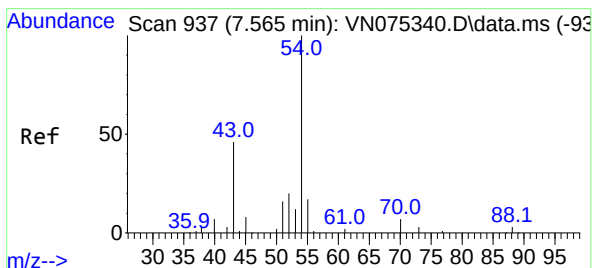
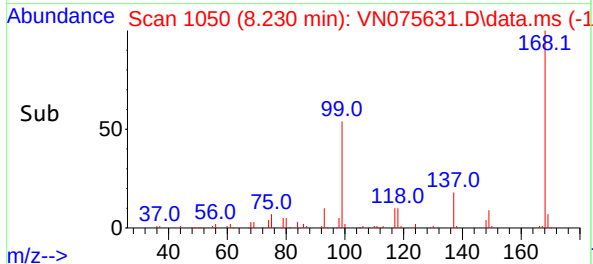
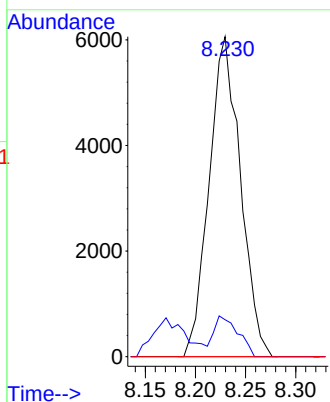


#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

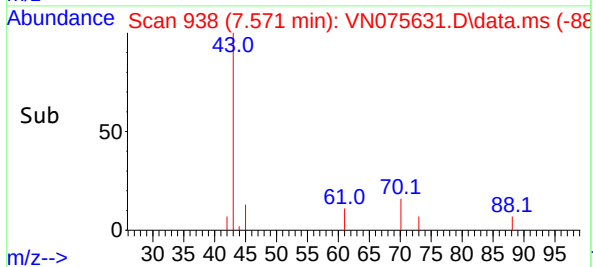
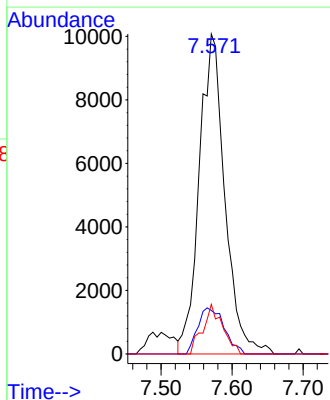
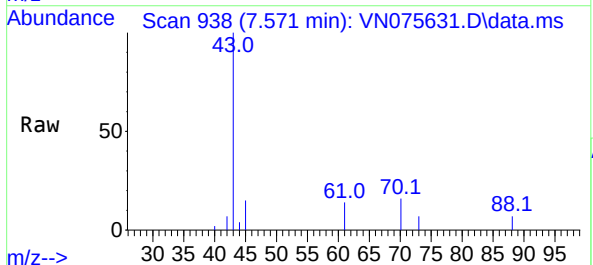


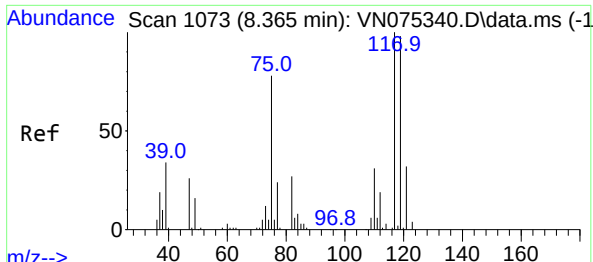
Tgt Ion: 75 Resp: 13141
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.980 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

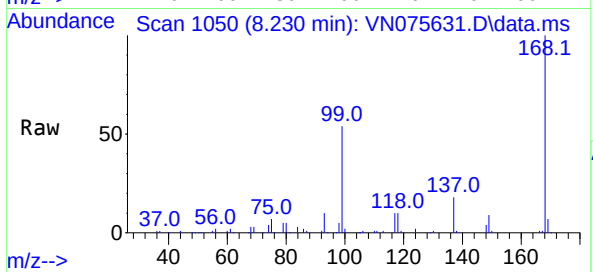
Tgt Ion: 43 Resp: 25214
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.4
70 12.0 9.4 14.2



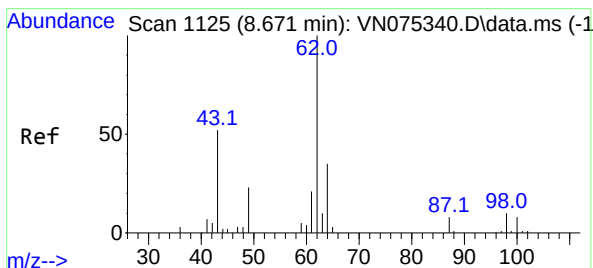
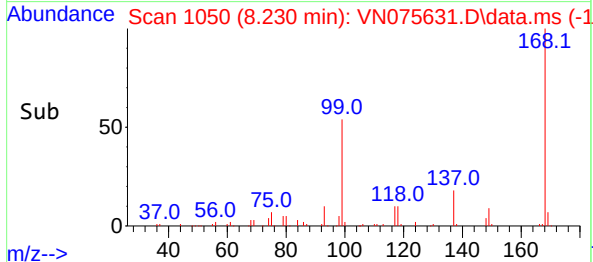
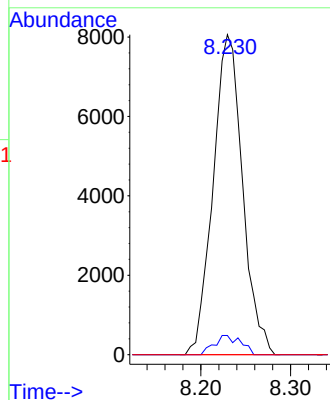


#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

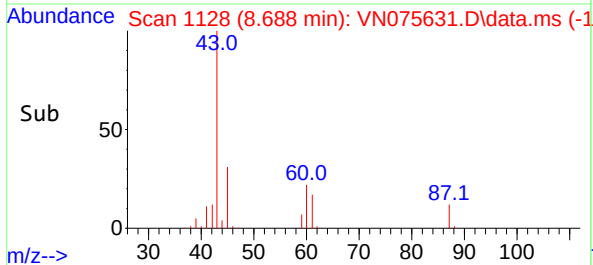
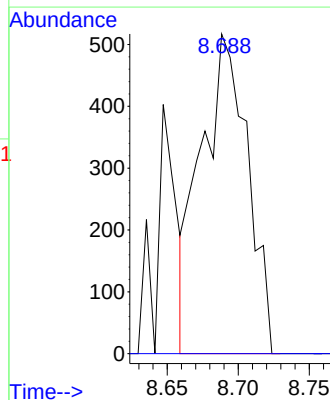
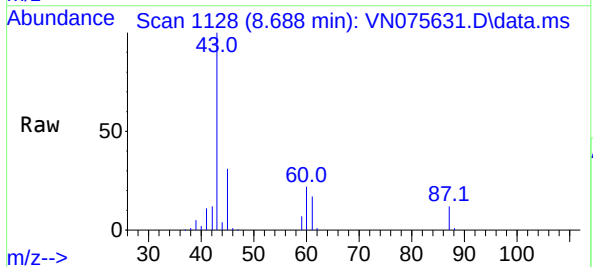


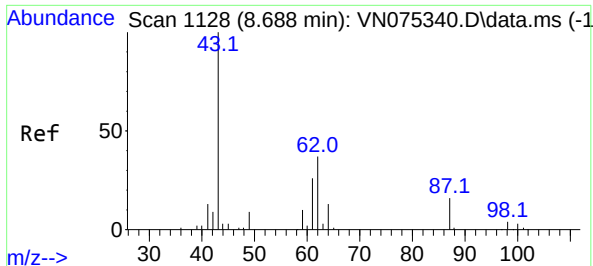
Tgt Ion:117 Resp: 18348
Ion Ratio Lower Upper
117 100
119 6.0 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.409 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 62 Resp: 1177
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

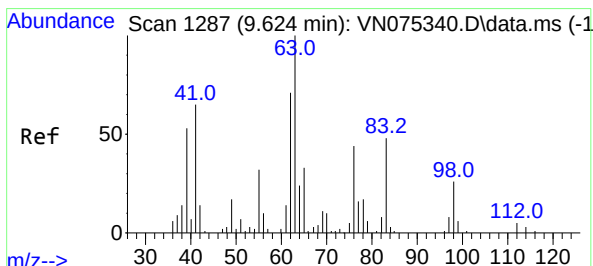
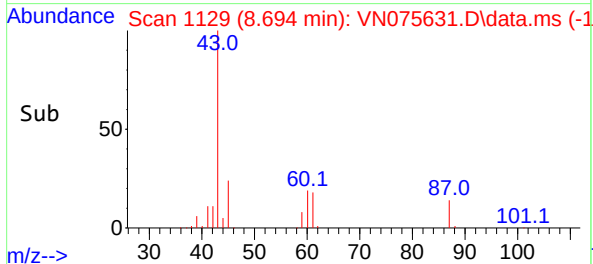
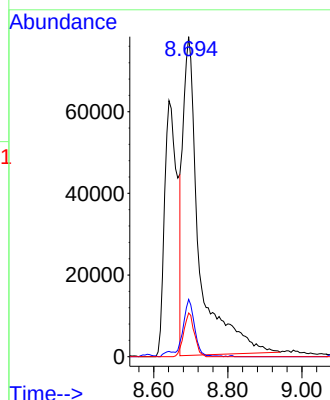
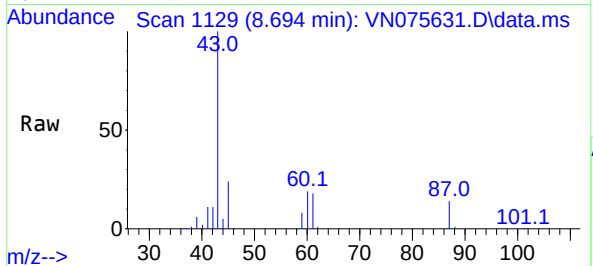




#43
Isopropyl Acetate
Concen: 59.646 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

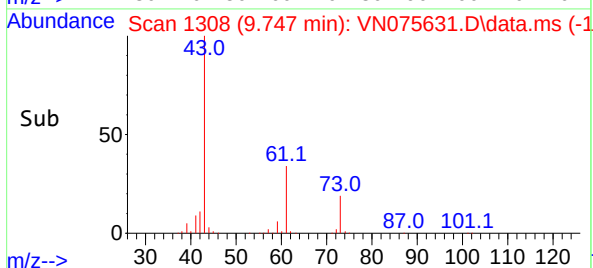
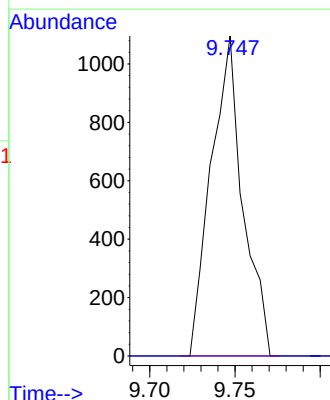
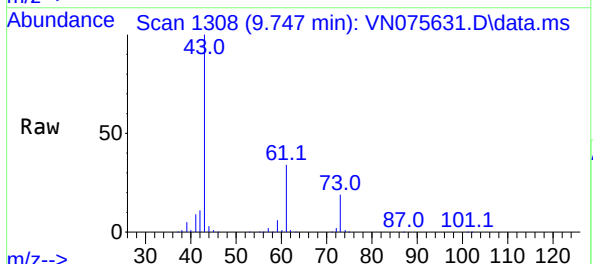
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

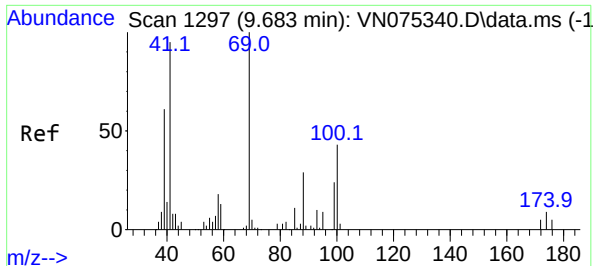
Tgt Ion: 43 Resp: 241884
Ion Ratio Lower Upper
43 100
61 12.3 22.4 33.6#
87 8.9 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.696 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 63 Resp: 1424
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

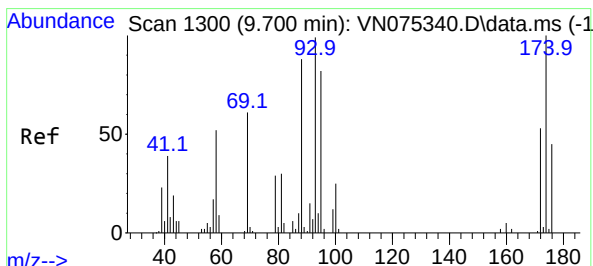
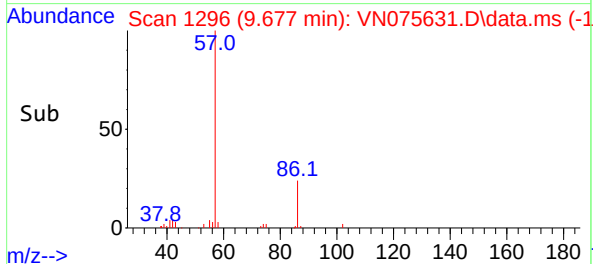
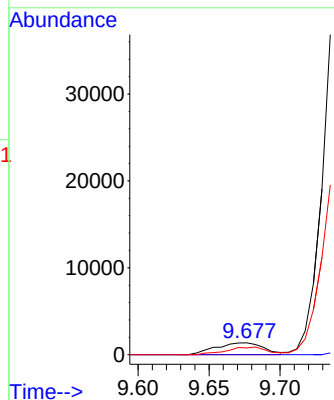
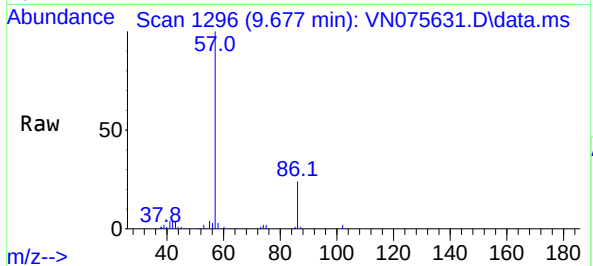




#48
Methyl methacrylate
Concen: 1.702 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

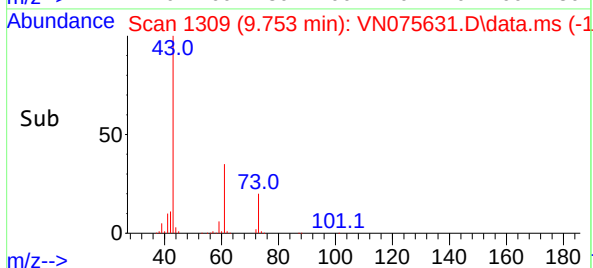
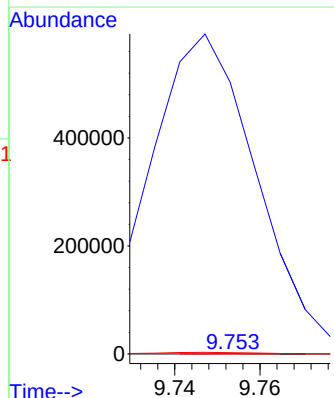
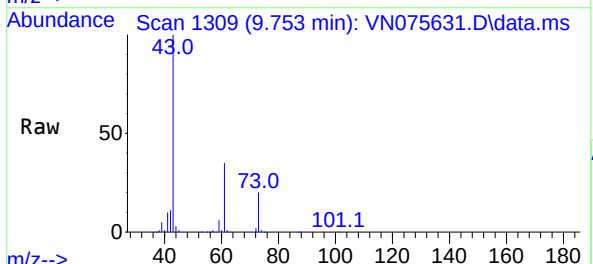
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

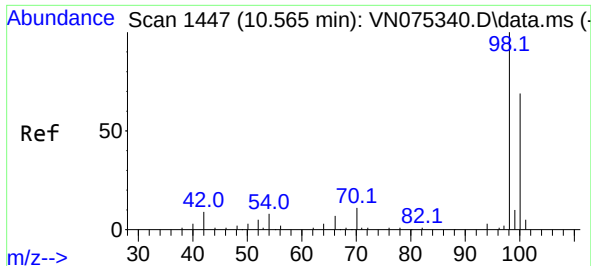
Tgt Ion: 41 Resp: 3192
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 53.8 56.2 84.2#



#49
1,4-Dioxane
Concen: 1.521 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 1317067.9 17.5 26.3#
58 6221.0 49.8 74.8#

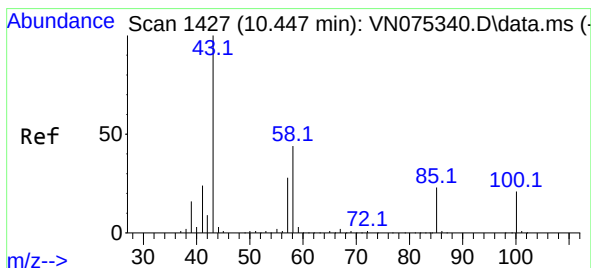
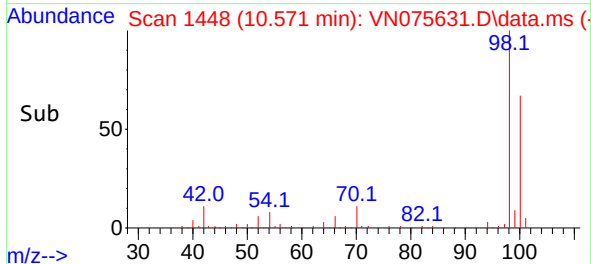
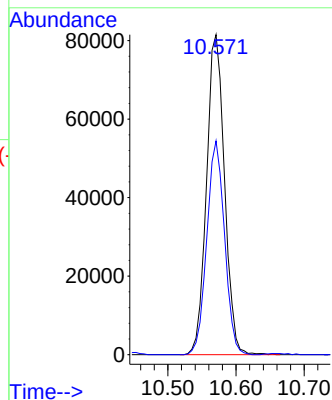
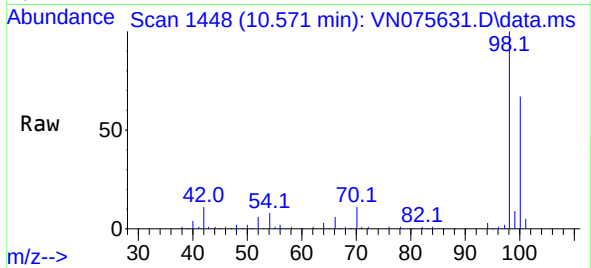




#50
Toluene-d8
Concen: 51.682 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

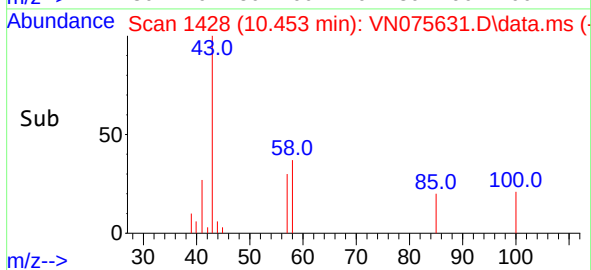
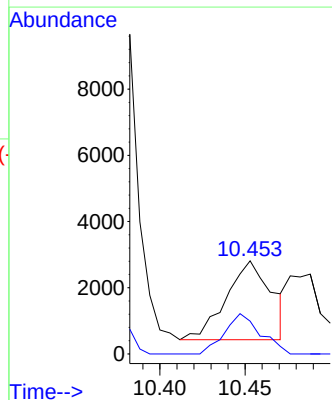
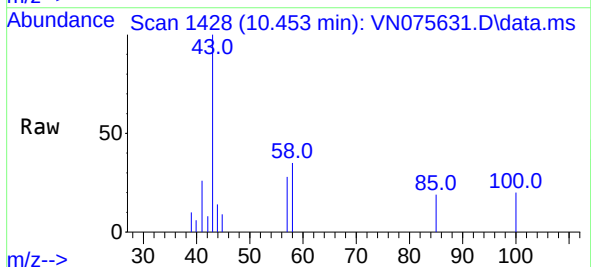
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

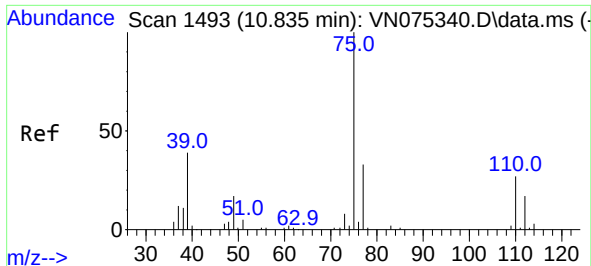
Tgt Ion: 98 Resp: 149767
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.702 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 43 Resp: 4397
Ion Ratio Lower Upper
43 100
58 40.8 33.6 50.4

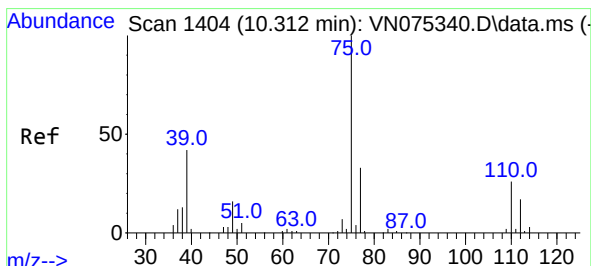
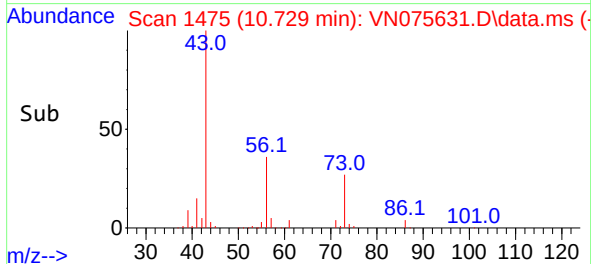
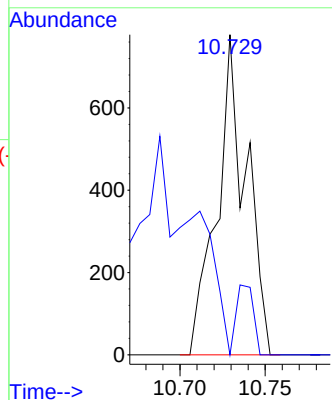
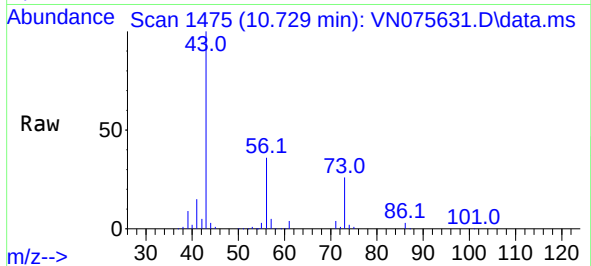




#53
t-1,3-Dichloropropene
Concen: 0.310 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

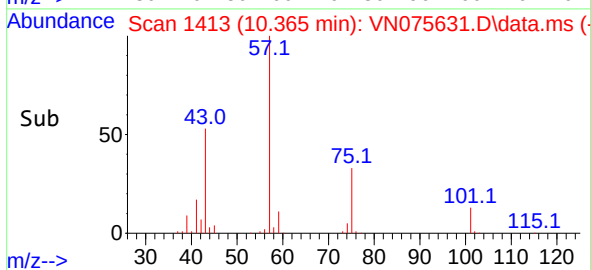
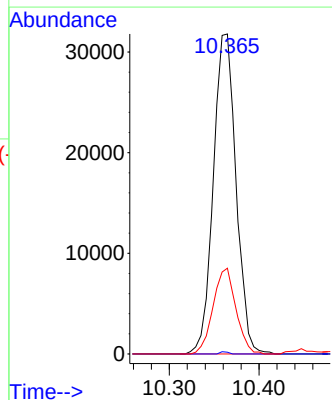
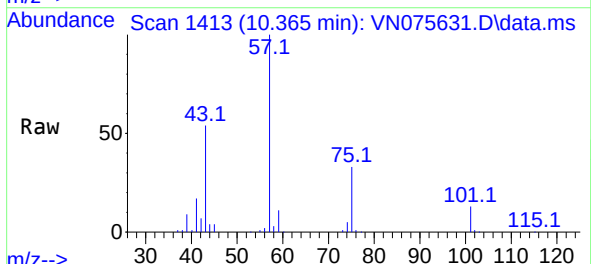
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

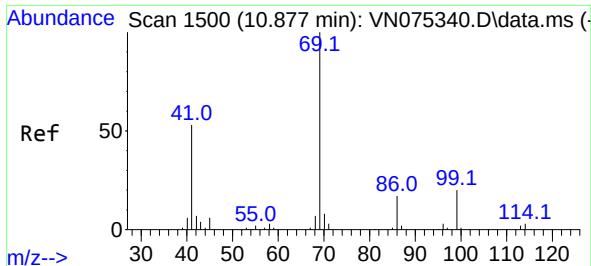
Tgt Ion: 75 Resp: 932
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 17.103 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 75 Resp: 55921
Ion Ratio Lower Upper
75 100
77 0.6 23.7 35.5#
39 26.8 35.8 53.6#

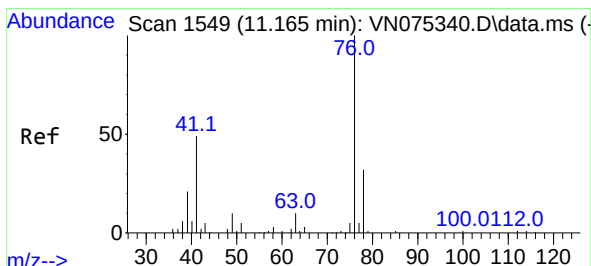
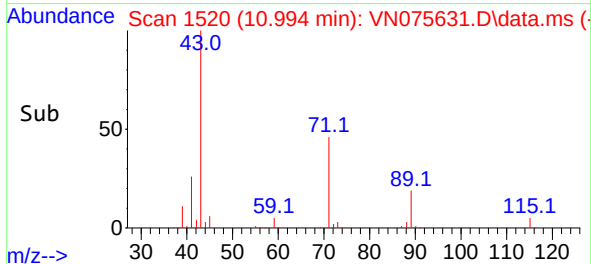
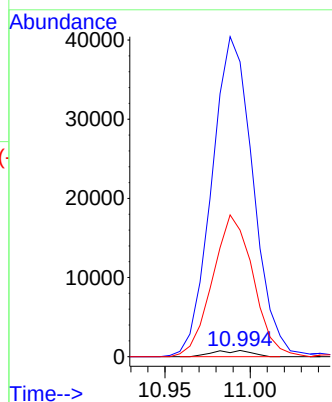
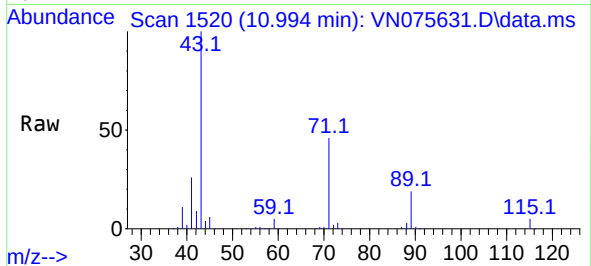




#56
Ethyl methacrylate
Concen: 0.399 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

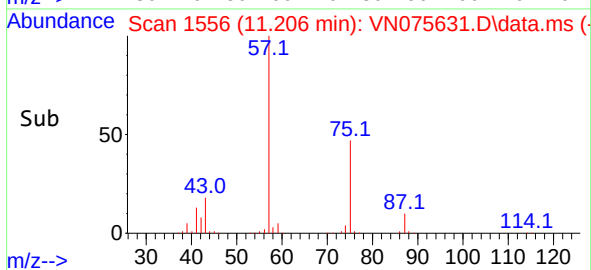
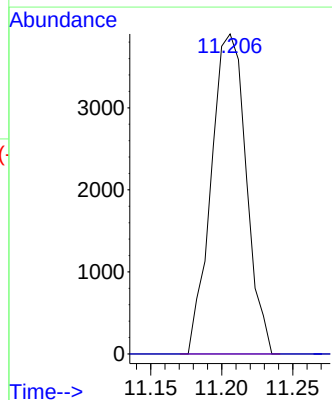
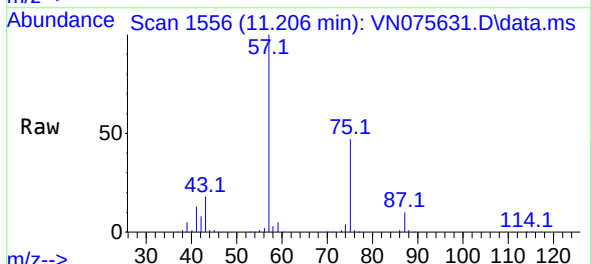
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

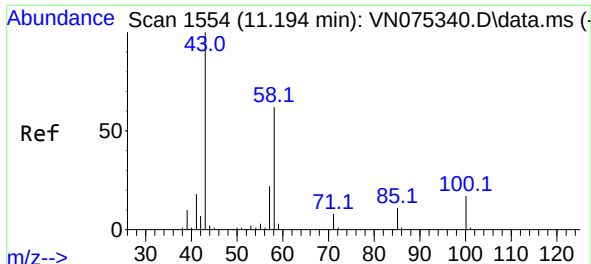
Tgt Ion: 69 Resp: 1215
Ion Ratio Lower Upper
69 100
41 5661.6 45.6 68.4#
39 2454.7 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.820 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 76 Resp: 6690
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

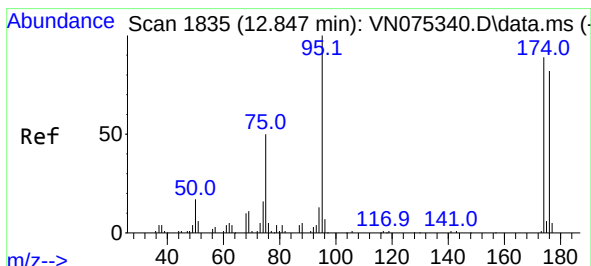
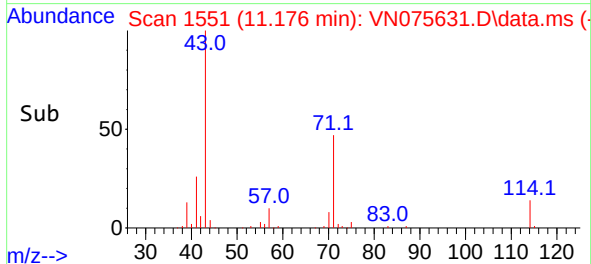
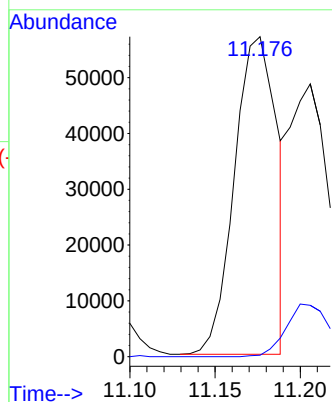
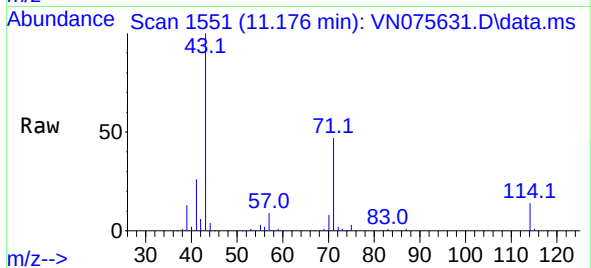




#59
2-Hexanone
Concen: 50.711 ug/l
RT: 11.176 min Scan# 1115
Delta R.T. -0.018 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

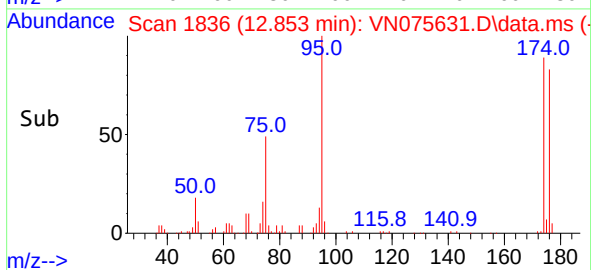
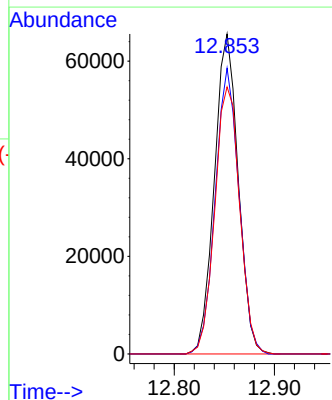
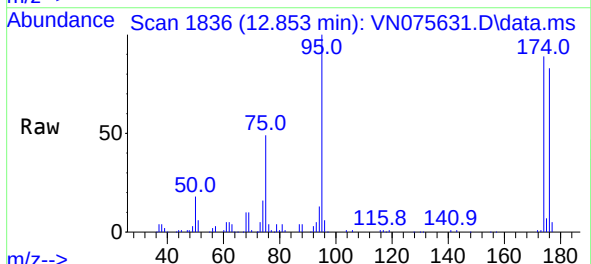
Instrument :
MSVOA_N
ClientSampleId :
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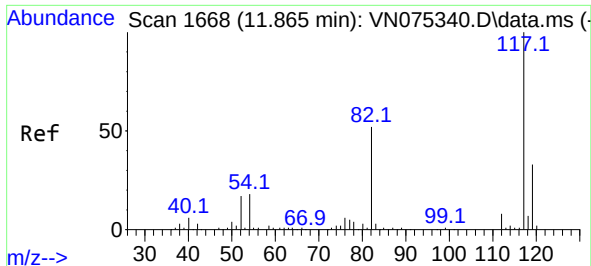
Tgt Ion: 43 Resp: 98354
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.735 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 95 Resp: 108520
Ion Ratio Lower Upper
95 100
174 88.8 0.0 147.4
176 87.0 0.0 142.2

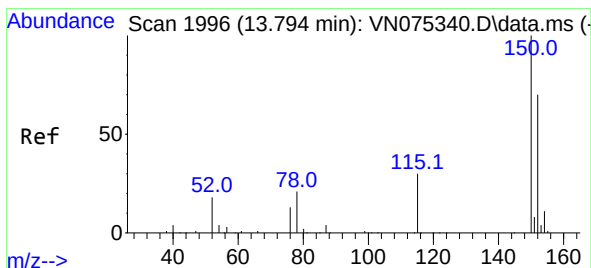
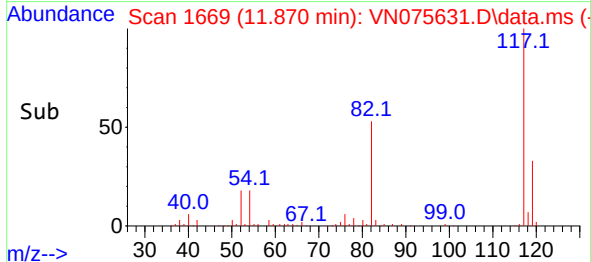
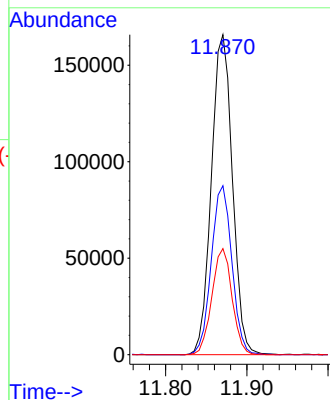
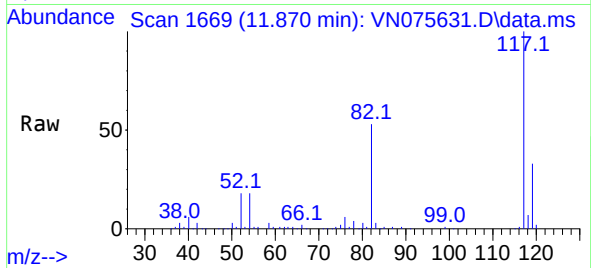




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

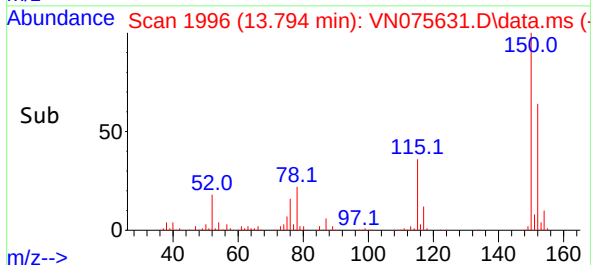
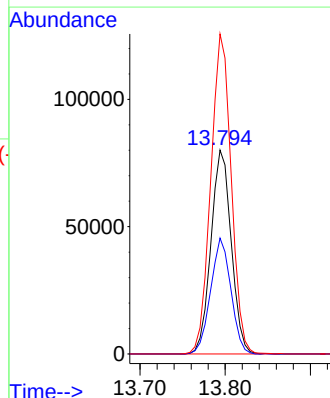
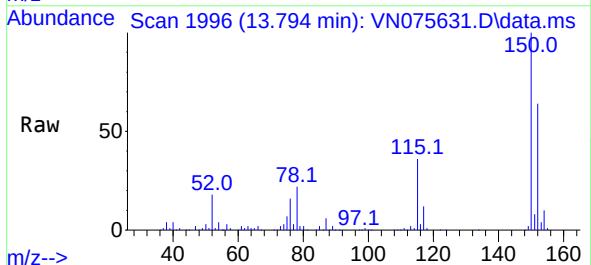
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

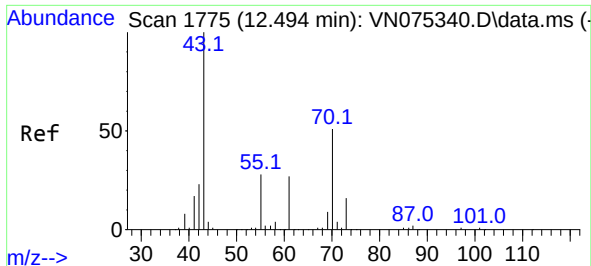
Tgt Ion:117 Resp: 298579
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 33.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion:152 Resp: 132783
Ion Ratio Lower Upper
152 100
115 56.7 30.2 90.6
150 157.9 0.0 348.4



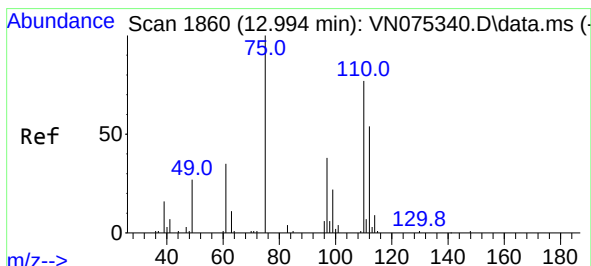
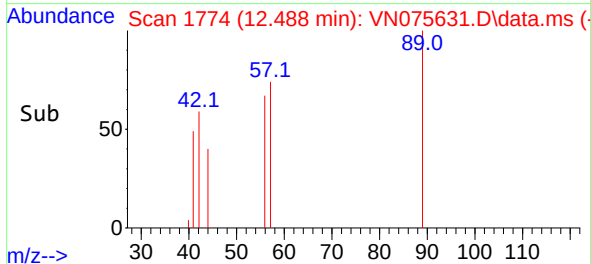
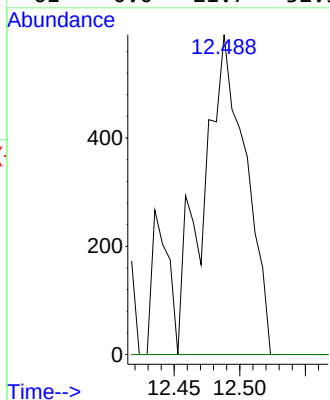
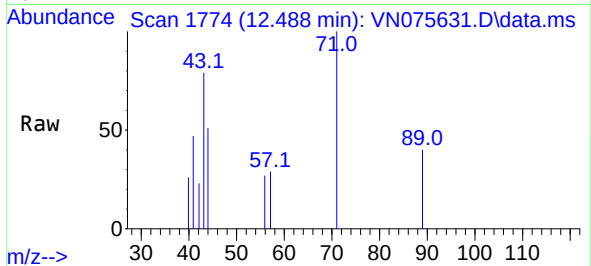


#74
N-amy1 acetate
Concen: 0.447 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

Tgt Ion: 43 Resp: 1334

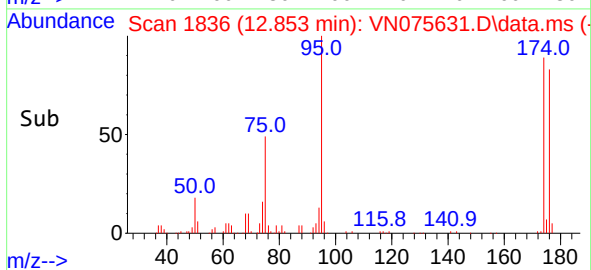
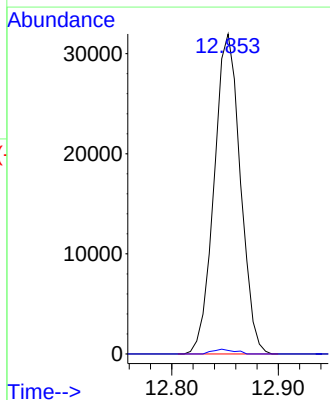
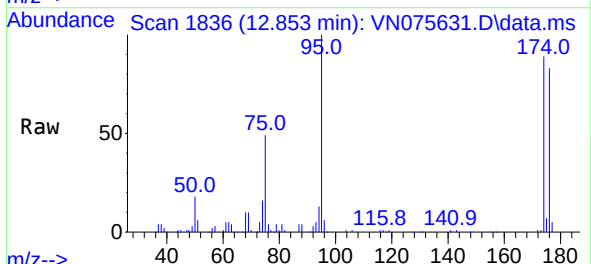
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

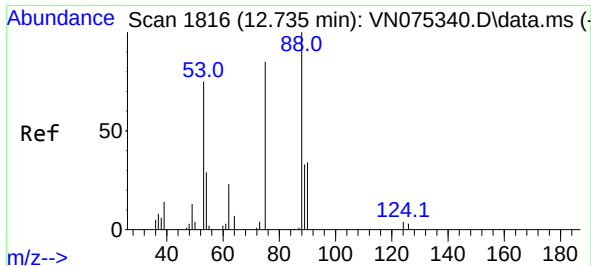


#76
1,2,3-Trichloropropane
Concen: 21.741 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 75 Resp: 54582

Ion	Ratio	Lower	Upper
75	100		
77	1.2	75.6	226.8#

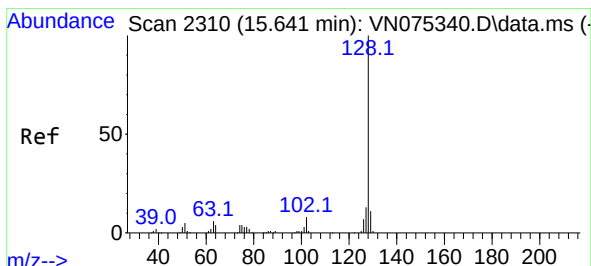
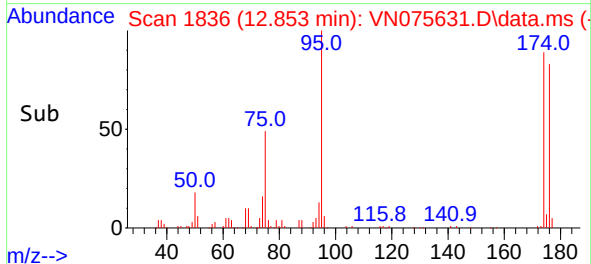
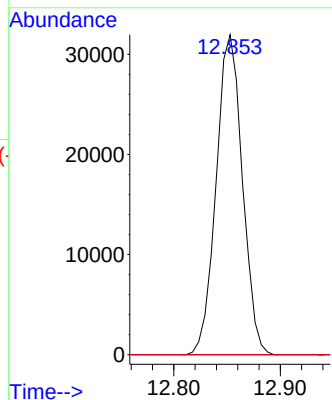
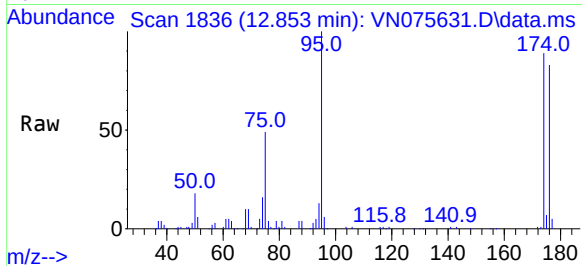




#81
trans-1,4-Dichloro-2-butene
Concen: 64.326 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE03

Tgt Ion: 75 Resp: 54582
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.246 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075631.D
Acq: 08 Dec 2022 01:08

Tgt Ion: 128 Resp: 1752
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

