

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075505.D
 Acq On : 30 Nov 2022 16:41
 Operator : JC\MD
 Sample : PB149341ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#09

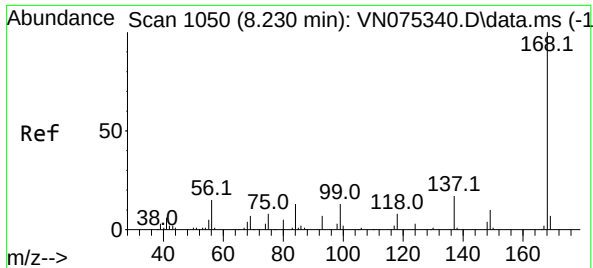
Quant Time: Dec 01 02:17:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.971	168	116	50.000	ug/l	#-0.26
34) 1,4-Difluorobenzene	8.865	114	239821	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.812	117	160830	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.782	152	86289	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.265	65	34871	56002.238	ug/l	-0.32
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112004.480%	#
35) Dibromofluoromethane	7.794	113	41357	43.899	ug/l	-0.38
Spiked Amount	50.000	Range	75 - 124	Recovery	= 87.800%	
50) Toluene-d8	10.453	98	90884	42.832	ug/l	-0.11
Spiked Amount	50.000	Range	86 - 113	Recovery	= 85.660%	#
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	= 0.000%	#
Target Compounds						
					Qvalue	
8) Diethyl Ether	4.042	74	1631	2341.796	ug/l	# 10
16) Acetone	4.153	43	129	222.107	ug/l	# 43
22) Diisopropyl ether	6.671	45	56	17.661	ug/l	# 35
25) 2-Butanone	7.077	43	22055	27199.162	ug/l	# 43
29) Tetrahydrofuran	7.430	42	58	117.593	ug/l	# 26
31) Cyclohexane	7.871	56	2473	1250.052	ug/l	# 49
38) Carbon Tetrachloride	7.877	117	10225	4.531	ug/l	# 15
42) 1,2-Dichloroethane	8.412	62	1454	0.690	ug/l	# 75
43) Isopropyl Acetate	8.412	43	439954	148.164	ug/l	# 64
45) 1,2-Dichloropropane	9.577	63	1399	0.933	ug/l	# 42
48) Methyl methacrylate	9.494	41	2965	2.159	ug/l	# 6
49) 1,4-Dioxane	9.588	88	71	1.821	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.335	43	4052	2.143	ug/l	92
53) t-1,3-Dichloropropene	10.641	75	754	0.342	ug/l	# 12
54) cis-1,3-Dichloropropene	10.247	75	44606	18.632	ug/l	# 64
55) 1,1,2-Trichloroethane	10.459	97	2035	1.233	ug/l	# 1
56) Ethyl methacrylate	10.588	69	672	0.301	ug/l	# 29
59) 2-Hexanone	10.912	43	213594	150.403	ug/l	# 22
71) Bromoform	12.817	173	408	0.432	ug/l	# 1
74) N-amyl acetate	12.459	43	1097	0.566	ug/l	# 38
76) 1,2,3-Trichloropropane	12.823	75	31564	19.347	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.823	75	31564	57.242	ug/l	# 10

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

Quant Time: Dec 01 02:17:24 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

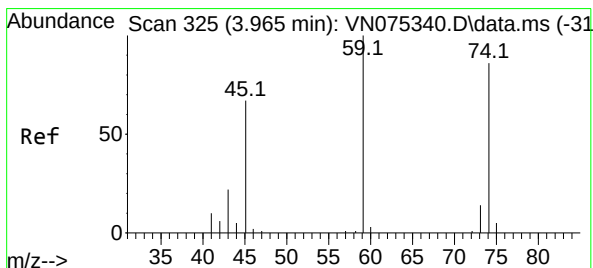
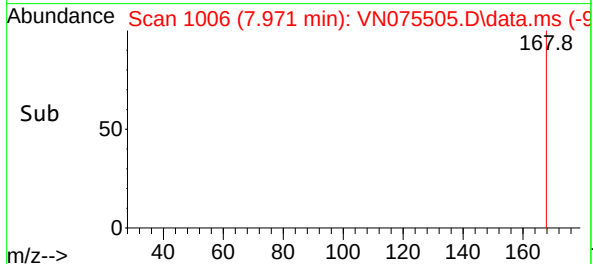
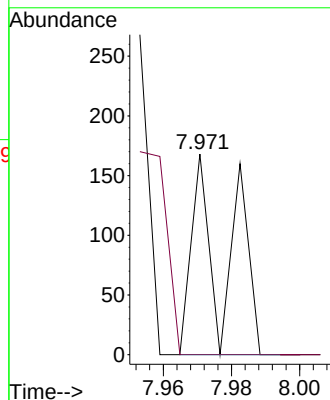
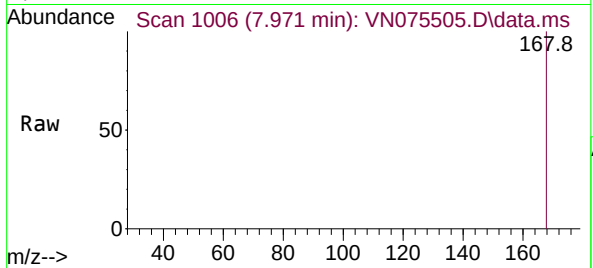




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.971 min Scan# 10
Delta R.T. -0.259 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

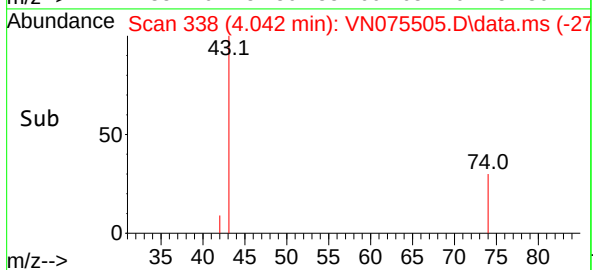
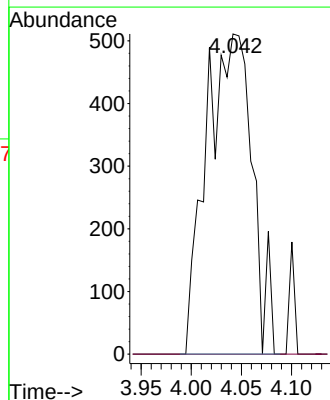
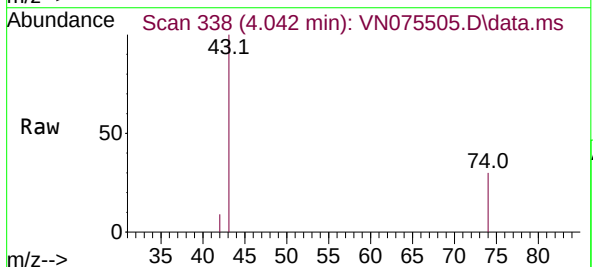
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

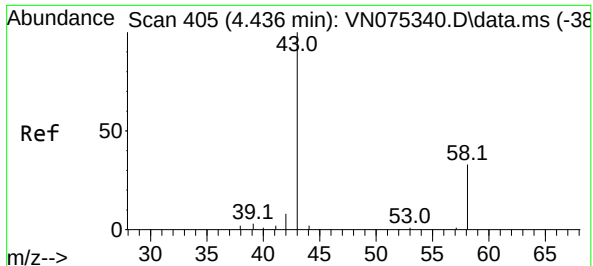
Tgt Ion:168 Resp: 116
Ion Ratio Lower Upper
168 100
99 0.0 51.6 77.4#



#8
Diethyl Ether
Concen: 2341.796 ug/l
RT: 4.042 min Scan# 338
Delta R.T. 0.077 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 74 Resp: 1631
Ion Ratio Lower Upper
74 100
45 0.0 39.3 117.9#

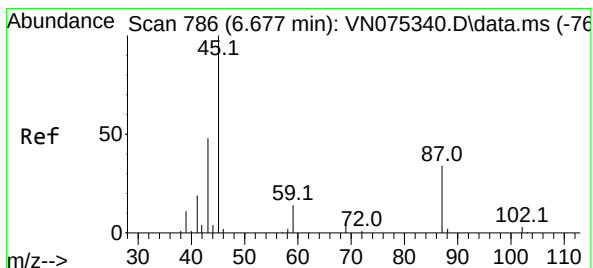
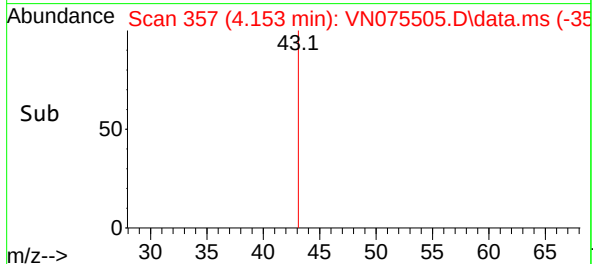
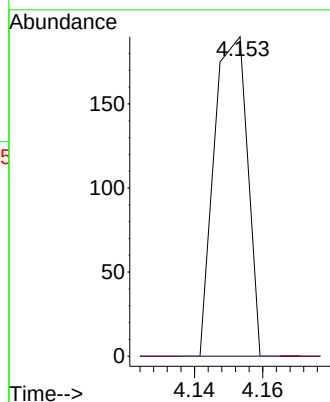
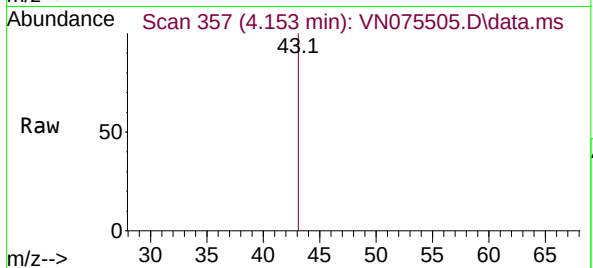




#16
Acetone
Concen: 222.107 ug/l
RT: 4.153 min Scan# 31
Delta R.T. -0.283 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

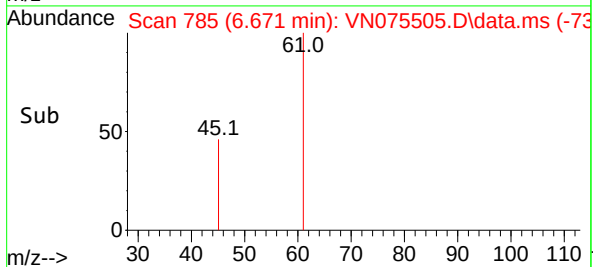
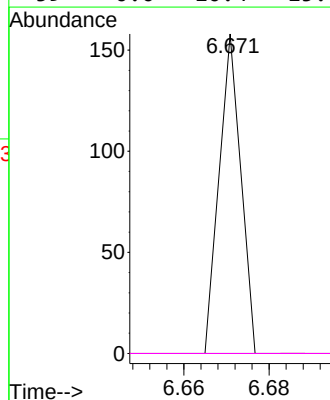
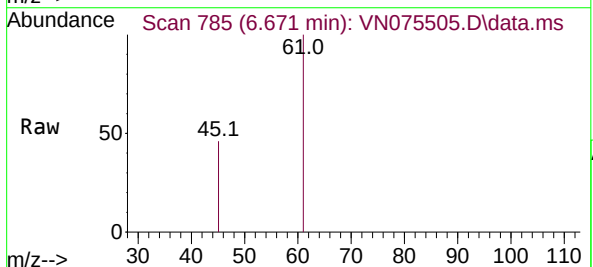
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

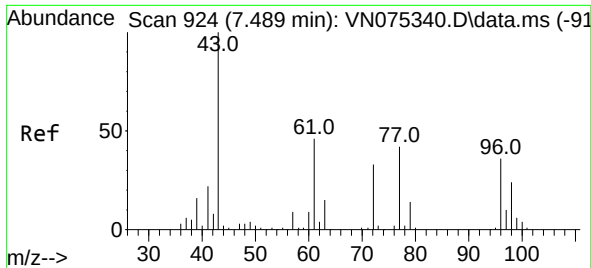
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#



#22
Diisopropyl ether
Concen: 17.661 ug/l
RT: 6.671 min Scan# 785
Delta R.T. -0.006 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 45 Resp: 56
Ion Ratio Lower Upper
45 100
43 0.0 42.8 64.2#
87 0.0 28.4 42.6#
59 0.0 10.4 15.6#

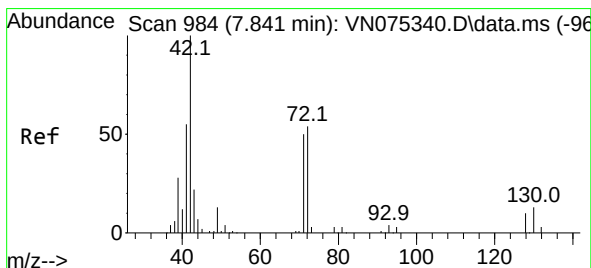
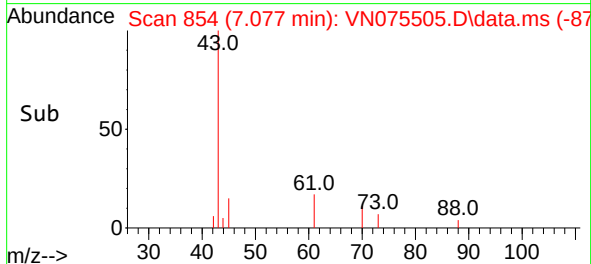
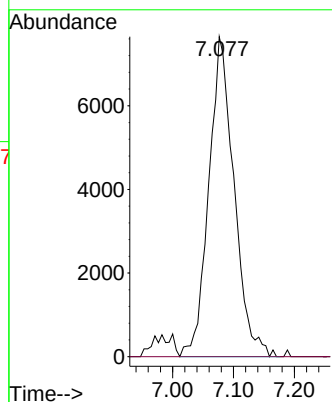
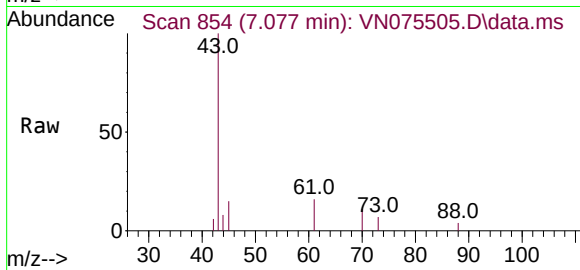




#25
2-Butanone
Concen: 27199.162 ug/l
RT: 7.077 min Scan# 81
Delta R.T. -0.412 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

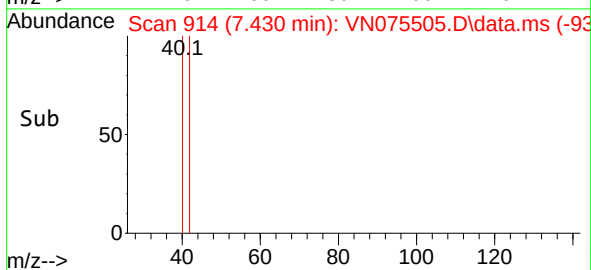
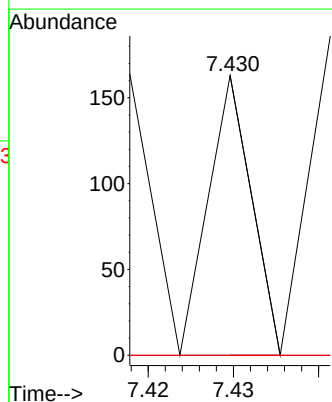
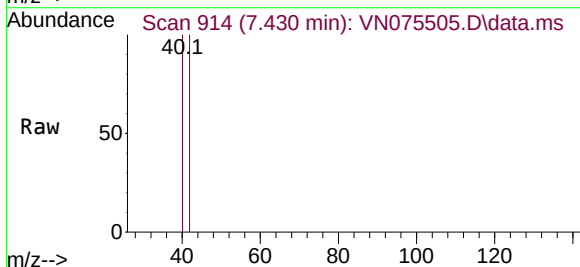
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

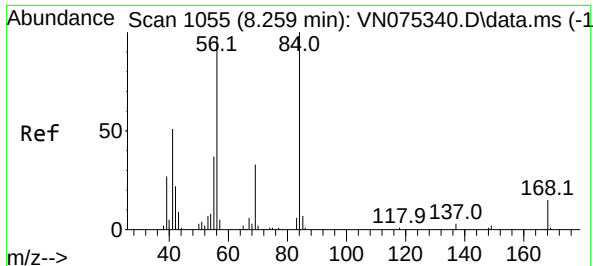
Tgt Ion: 43 Resp: 22055
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#29
Tetrahydrofuran
Concen: 117.593 ug/l
RT: 7.430 min Scan# 914
Delta R.T. -0.411 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#

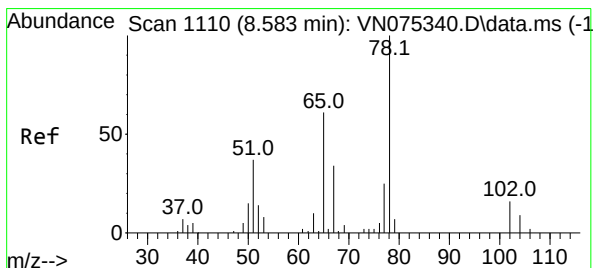
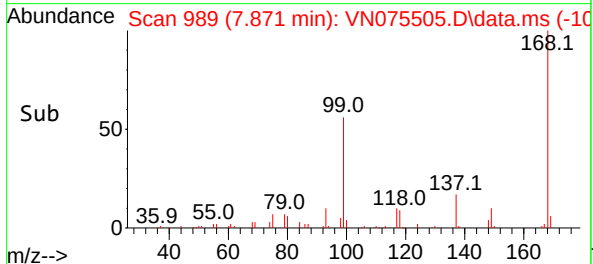
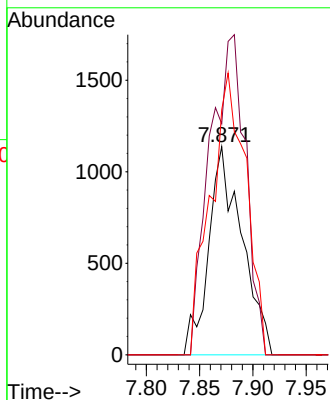
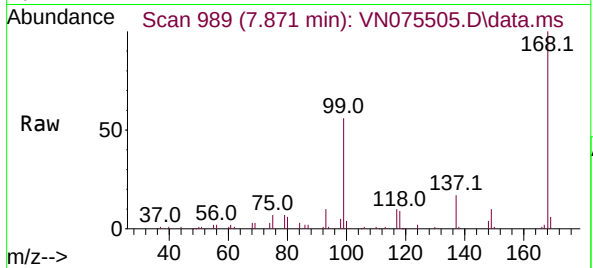




#31
Cyclohexane
Concen: 1250.052 ug/l
RT: 7.871 min Scan# 91
Delta R.T. -0.388 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

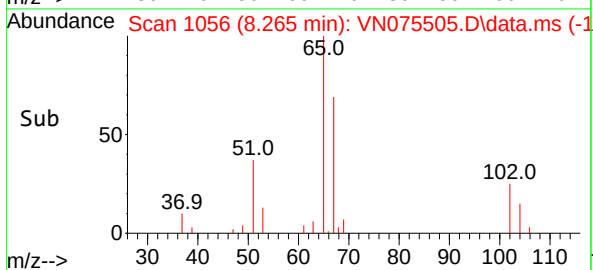
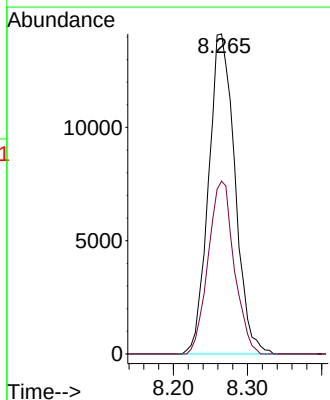
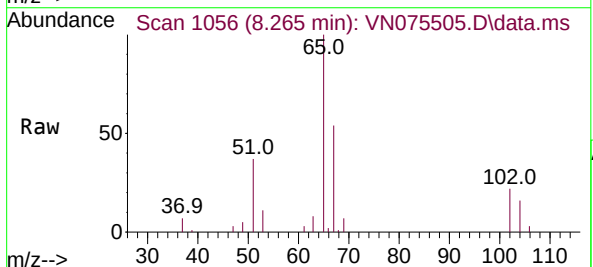
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

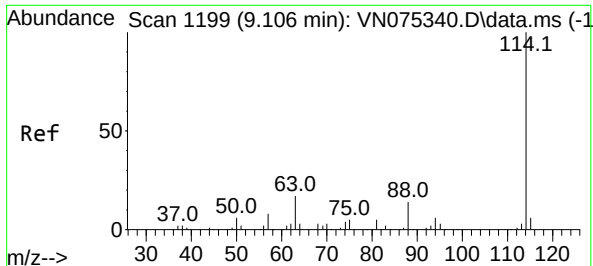
Tgt Ion: 56 Resp: 2473
Ion Ratio Lower Upper
56 100
69 111.0 25.2 37.8#
84 117.7 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 56002.238 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. -0.318 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 65 Resp: 34871
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.865 min Scan# 1199

Delta R.T. -0.241 min

Lab File: VN075505.D

Acq: 30 Nov 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#09

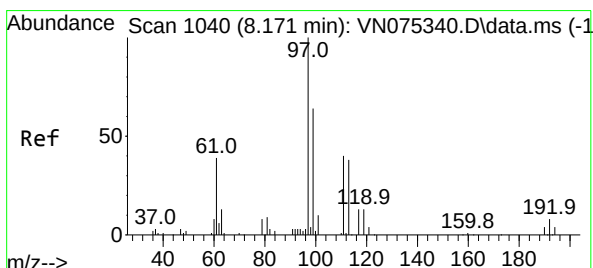
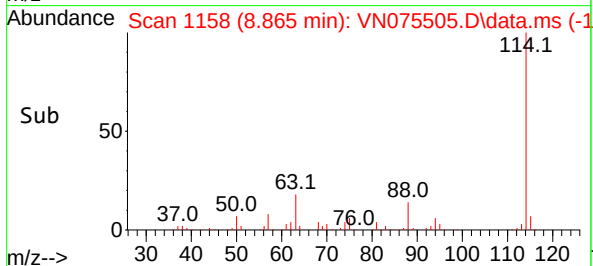
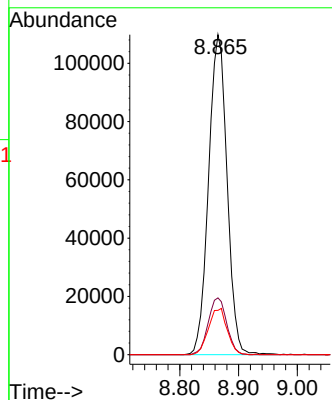
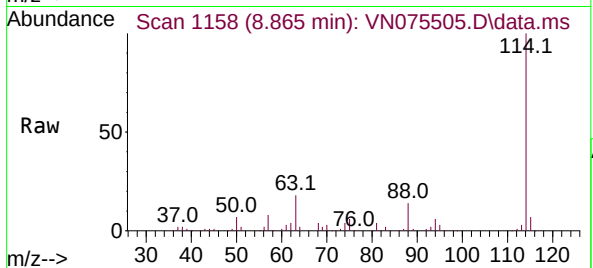
Tgt Ion:114 Resp: 239821

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.899 ug/l

RT: 7.794 min Scan# 976

Delta R.T. -0.377 min

Lab File: VN075505.D

Acq: 30 Nov 2022 16:41

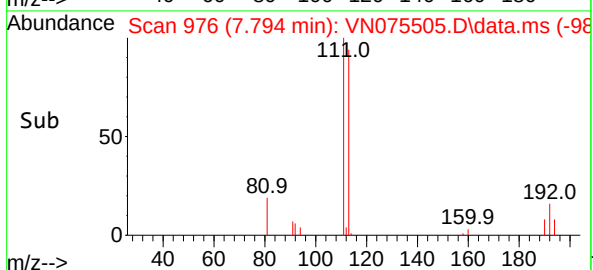
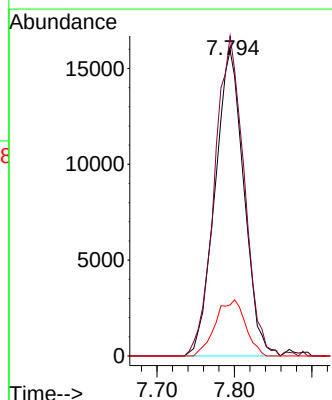
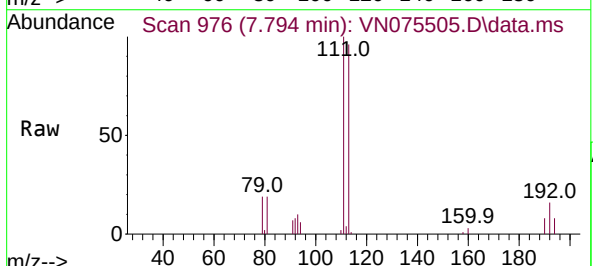
Tgt Ion:113 Resp: 41357

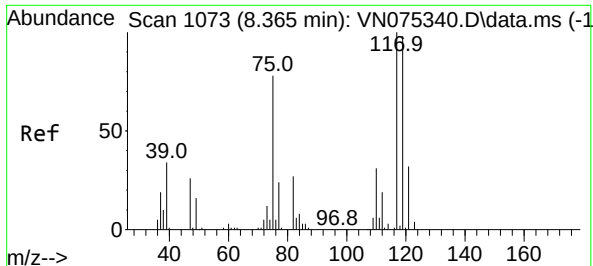
Ion Ratio Lower Upper

113 100

111 106.3 80.5 120.7

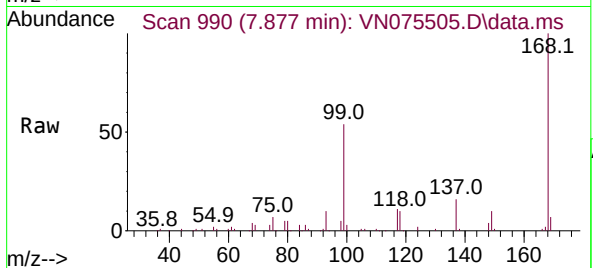
192 19.0 13.2 19.8



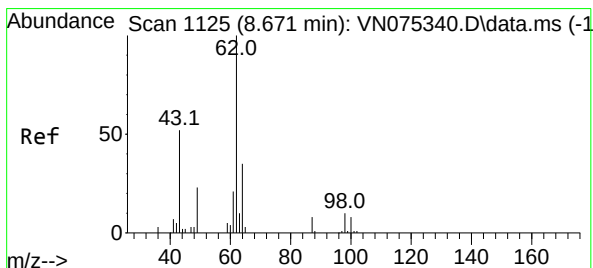
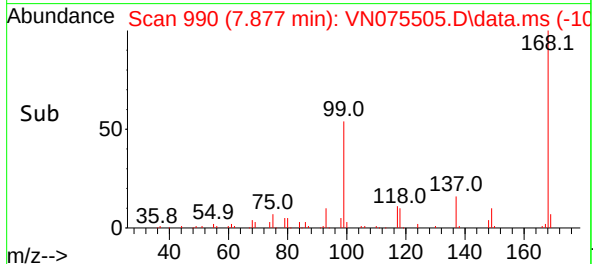
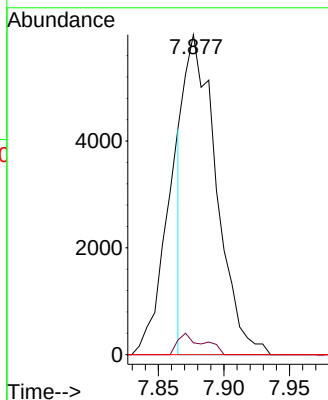


#38
Carbon Tetrachloride
Concen: 4.531 ug/l
RT: 7.877 min Scan# 91
Delta R.T. -0.488 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

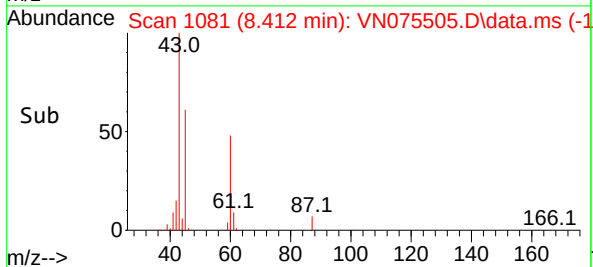
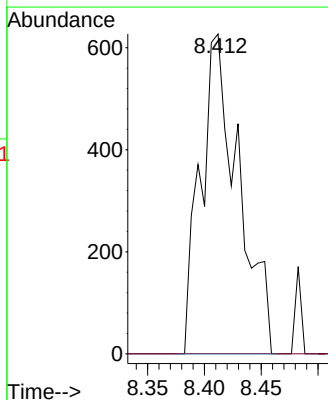
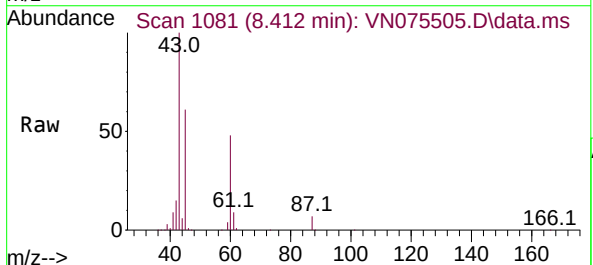


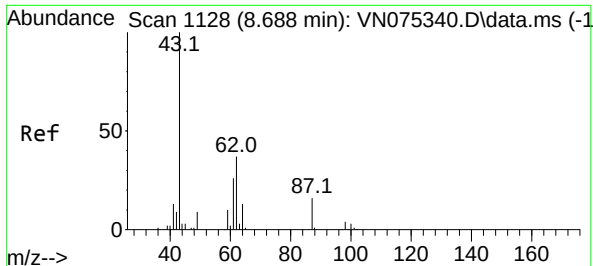
Tgt Ion:117 Resp: 10225
Ion Ratio Lower Upper
117 100
119 3.7 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.690 ug/l
RT: 8.412 min Scan# 1081
Delta R.T. -0.259 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 62 Resp: 1454
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 148.164 ug/l

RT: 8.412 min Scan# 1081

Delta R.T. -0.276 min

Lab File: VN075505.D

Acq: 30 Nov 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#09

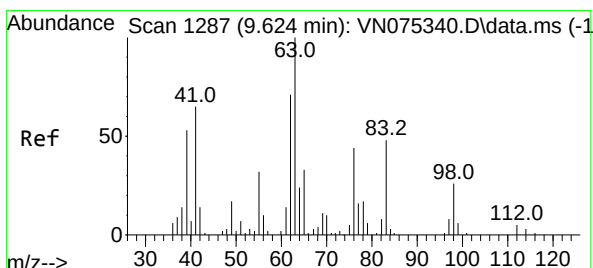
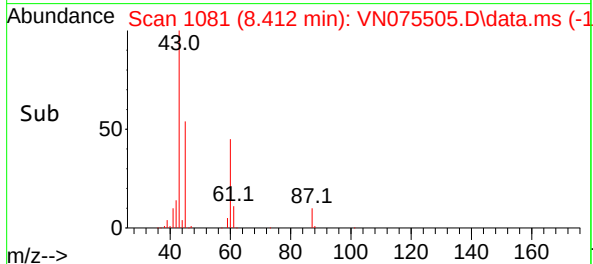
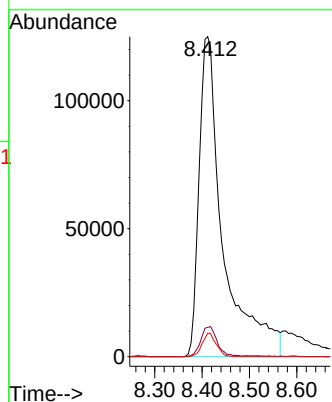
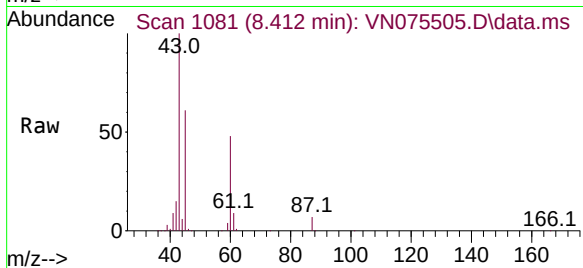
Tgt Ion: 43 Resp: 439954

Ion Ratio Lower Upper

43 100

61 6.5 22.4 33.6#

87 4.3 12.5 18.7#



#45

1,2-Dichloropropane

Concen: 0.933 ug/l

RT: 9.577 min Scan# 1279

Delta R.T. -0.047 min

Lab File: VN075505.D

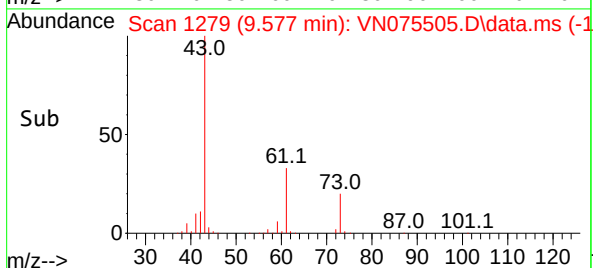
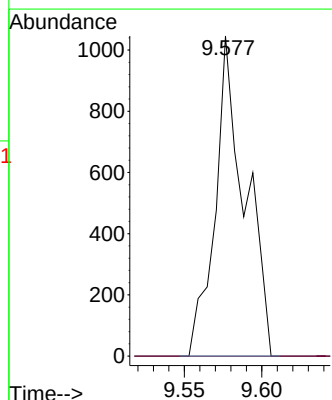
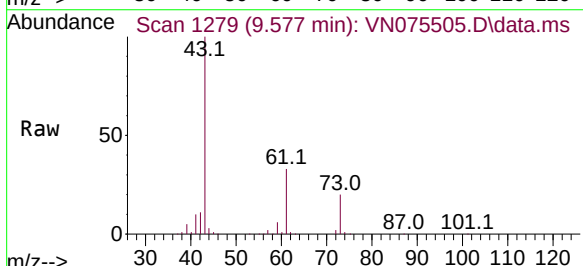
Acq: 30 Nov 2022 16:41

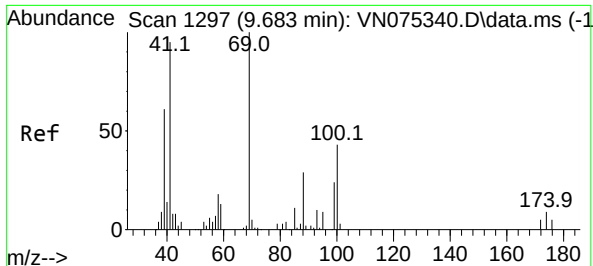
Tgt Ion: 63 Resp: 1399

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#

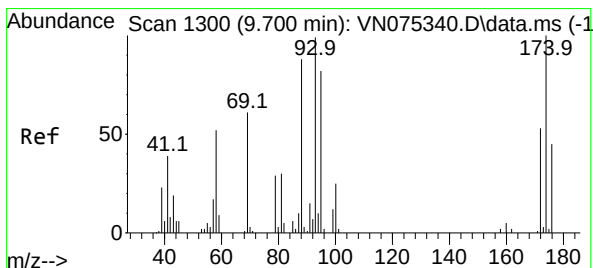
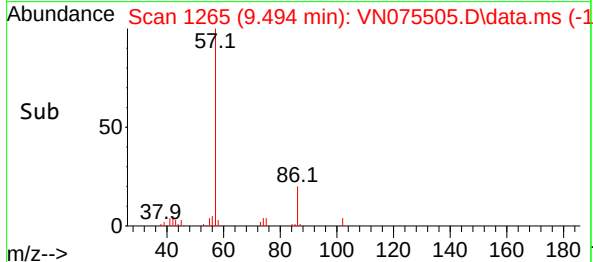
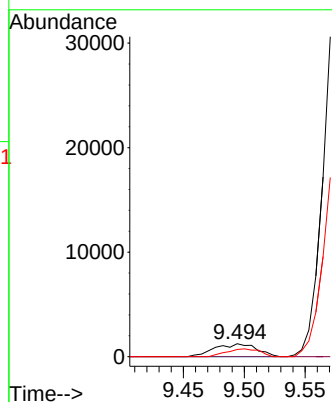
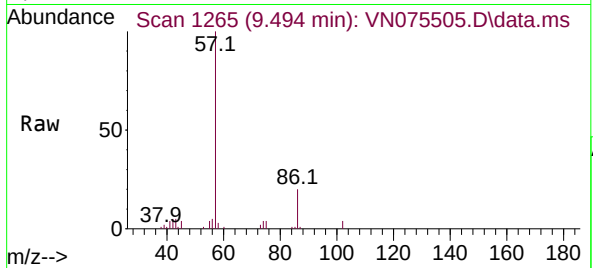




#48
Methyl methacrylate
Concen: 2.159 ug/l
RT: 9.494 min Scan# 11
Delta R.T. -0.189 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

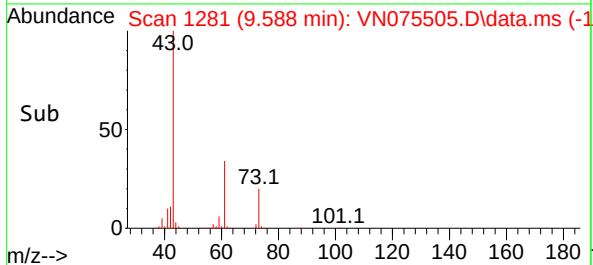
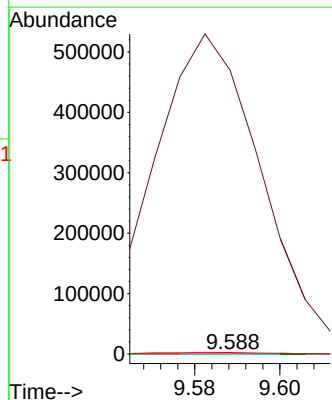
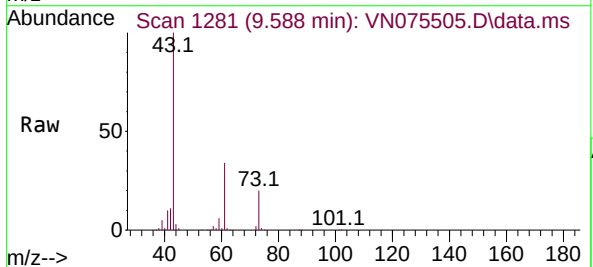
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

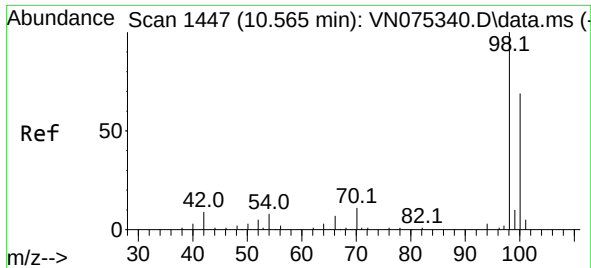
Tgt Ion: 41 Resp: 2965
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 0.0 56.2 84.2#



#49
1,4-Dioxane
Concen: 1.821 ug/l
RT: 9.588 min Scan# 1281
Delta R.T. -0.112 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 1367998.6 17.5 26.3#
58 7005.6 49.8 74.8#

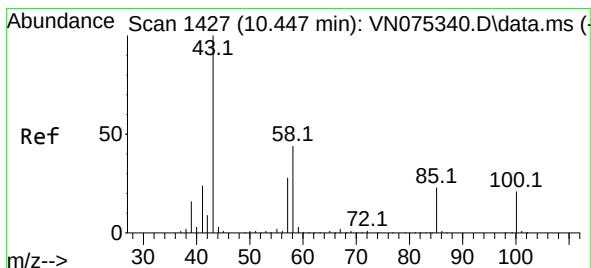
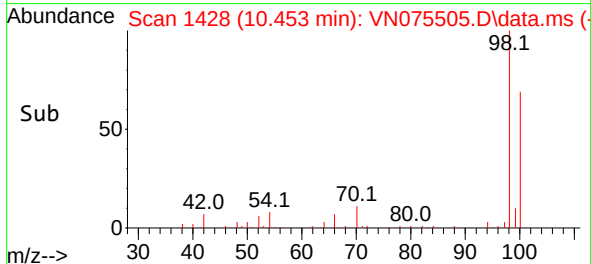
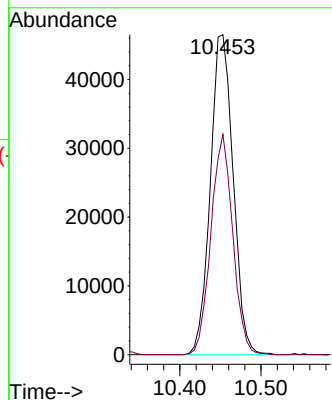
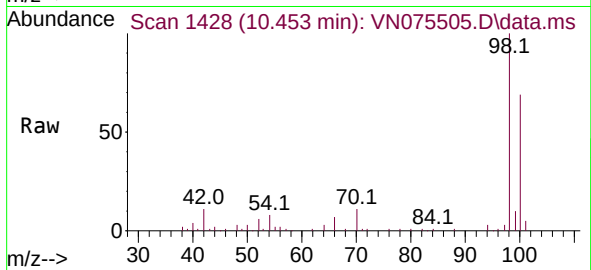




#50
Toluene-d8
Concen: 42.832 ug/l
RT: 10.453 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

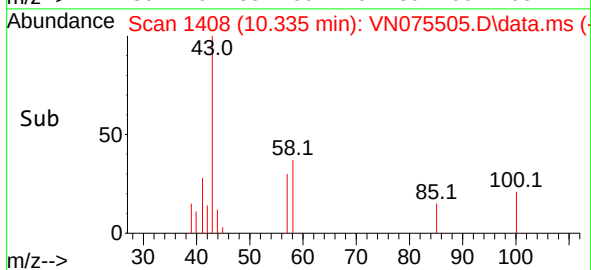
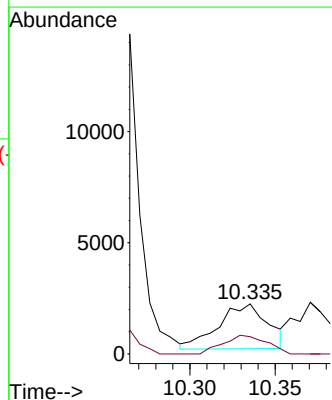
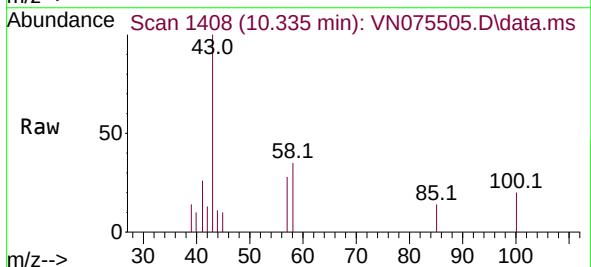
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

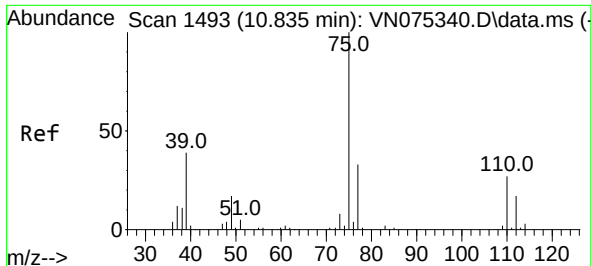
Tgt Ion: 98 Resp: 90884
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.143 ug/l
RT: 10.335 min Scan# 1408
Delta R.T. -0.112 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 43 Resp: 4052
Ion Ratio Lower Upper
43 100
58 36.9 33.6 50.4

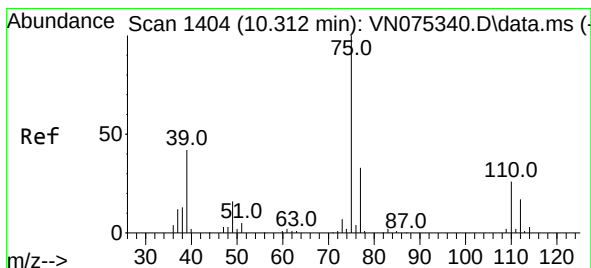
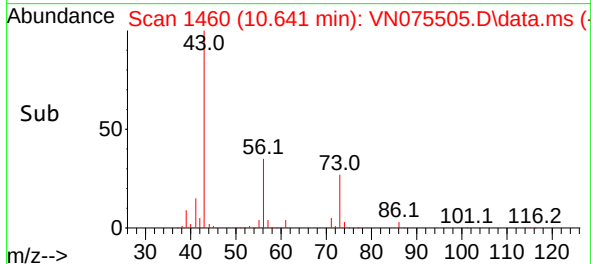
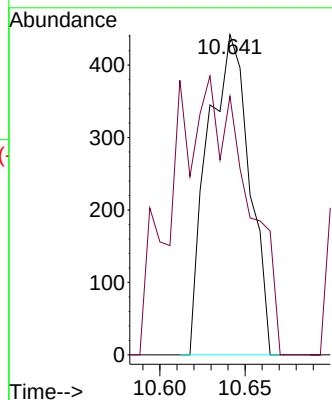
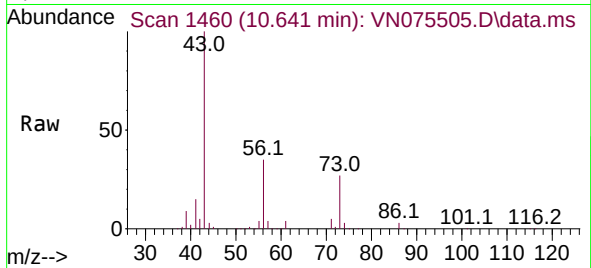




#53
t-1,3-Dichloropropene
Concen: 0.342 ug/l
RT: 10.641 min Scan# 1493
Delta R.T. -0.194 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

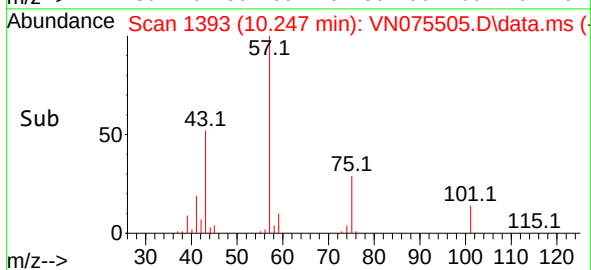
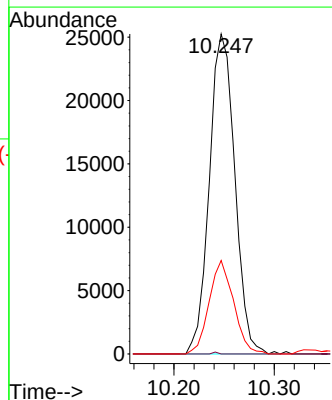
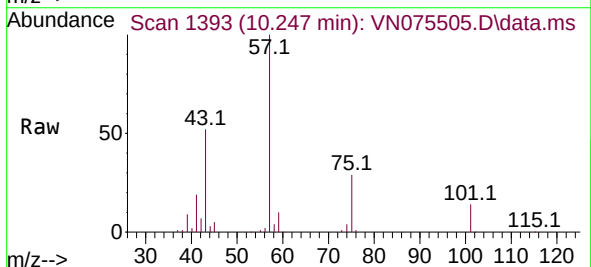
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

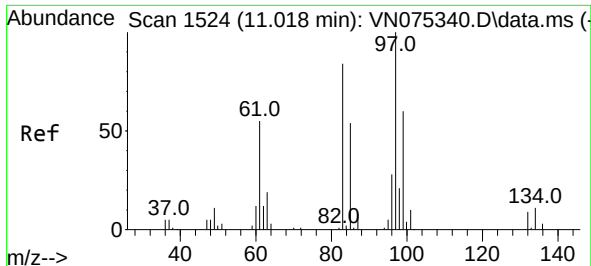
Tgt Ion: 75 Resp: 754
Ion Ratio Lower Upper
75 100
77 80.8 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 18.632 ug/l
RT: 10.247 min Scan# 1393
Delta R.T. -0.065 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 75 Resp: 44606
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 29.2 35.8 53.6#

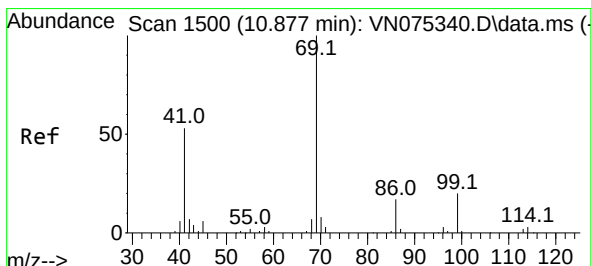
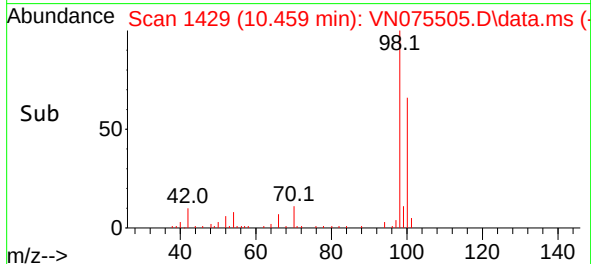
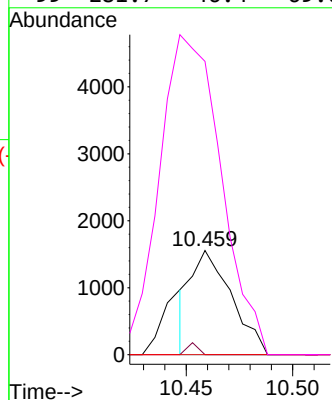
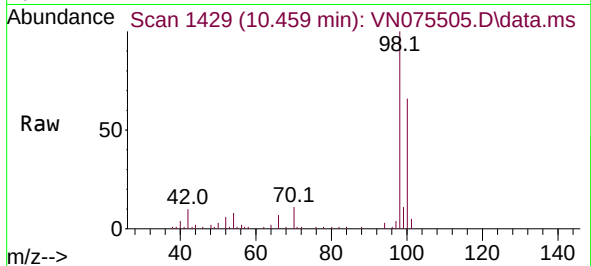




#55
 1,1,2-Trichloroethane
 Concen: 1.233 ug/l
 RT: 10.459 min Scan# 1429
 Delta R.T. -0.559 min
 Lab File: VN075505.D
 Acq: 30 Nov 2022 16:41

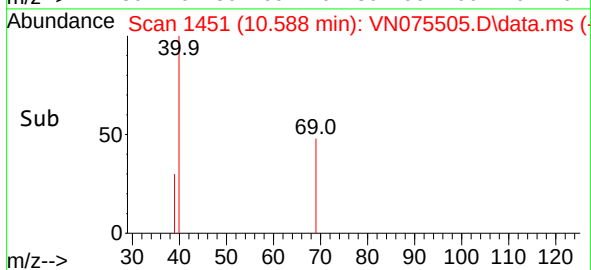
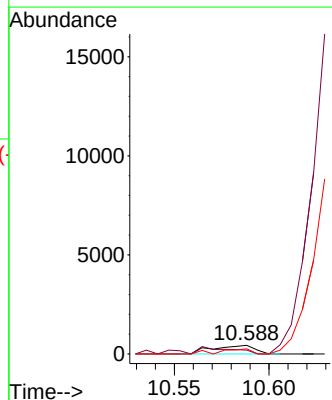
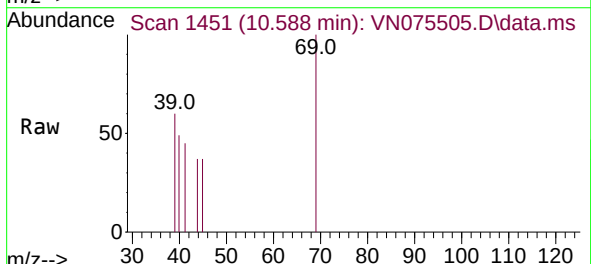
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#09

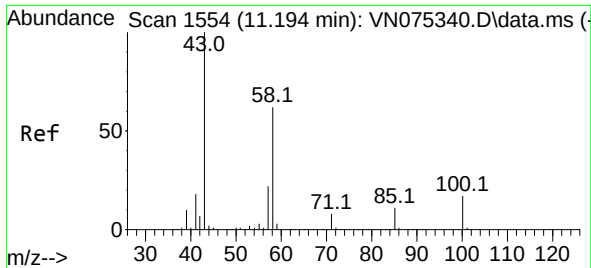
Tgt Ion: 97	Resp: 2035
Ion Ratio	Lower Upper
97 100	
83 0.0	65.9 98.9#
85 0.0	40.4 60.6#
99 281.7	46.4 69.6#



#56
 Ethyl methacrylate
 Concen: 0.301 ug/l
 RT: 10.588 min Scan# 1451
 Delta R.T. -0.289 min
 Lab File: VN075505.D
 Acq: 30 Nov 2022 16:41

Tgt Ion: 69	Resp: 672
Ion Ratio	Lower Upper
69 100	
41 0.0	45.6 68.4#
39 0.0	28.5 42.7#

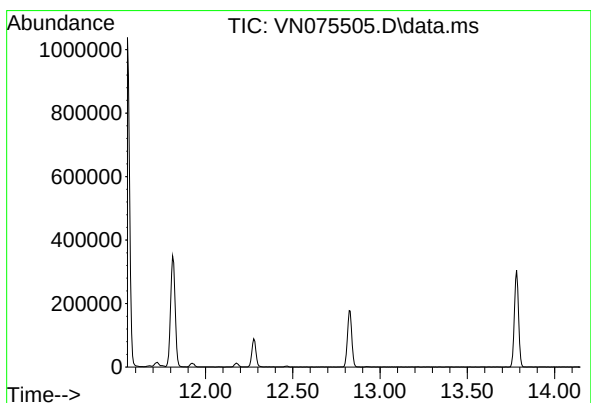
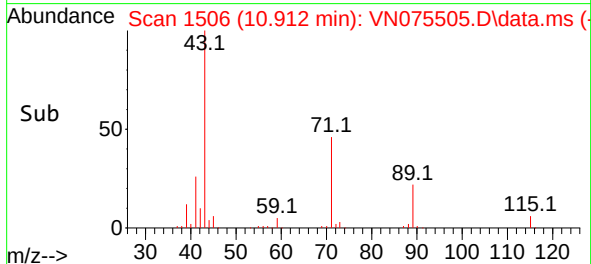
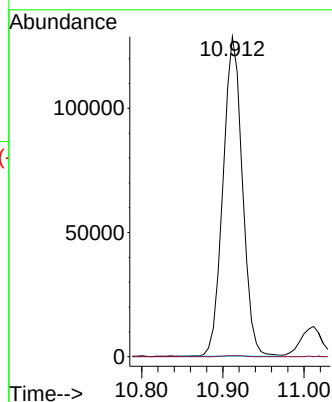
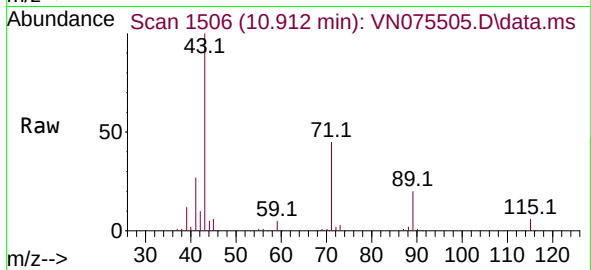




#59
2-Hexanone
Concen: 150.403 ug/l
RT: 10.912 min Scan# 11
Delta R.T. -0.282 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

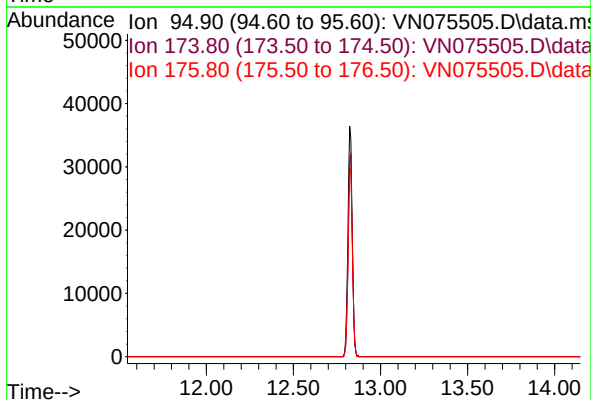
Tgt Ion: 43 Resp: 213594
Ion Ratio Lower Upper
43 100
58 0.3 29.6 88.8#

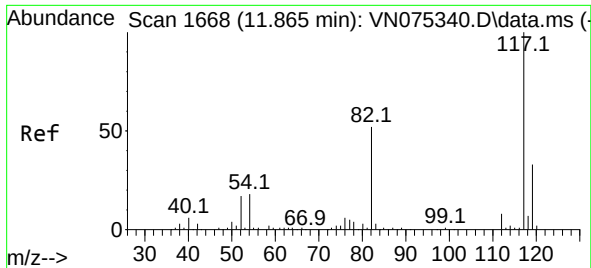


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 95
Sig Exp Ratio
95 100
174 73.7
176 71.1

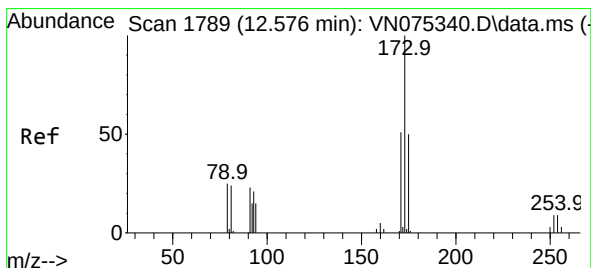
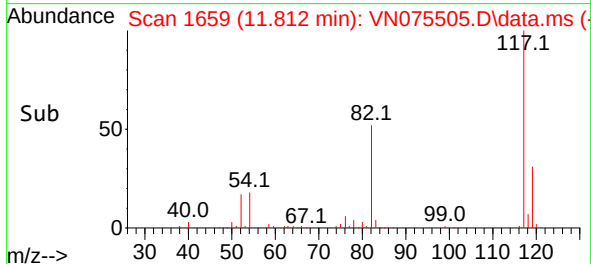
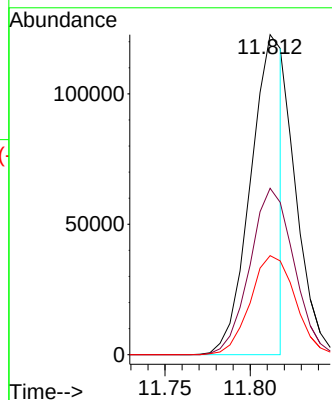
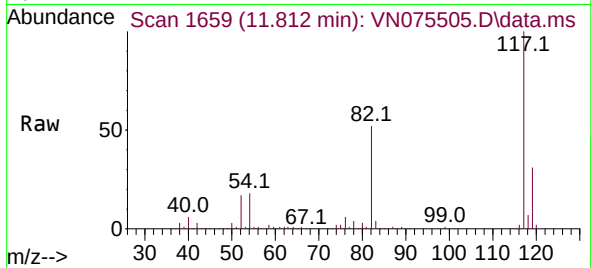




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.812 min Scan# 117
Delta R.T. -0.053 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

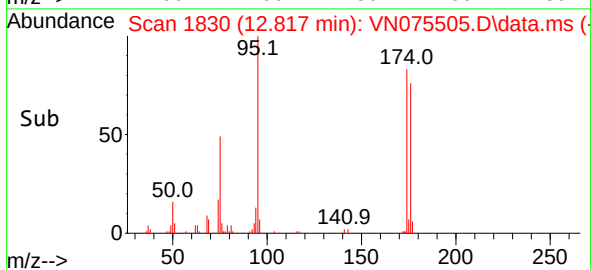
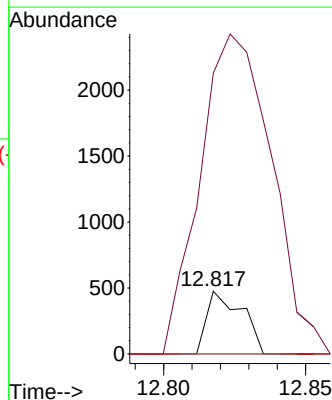
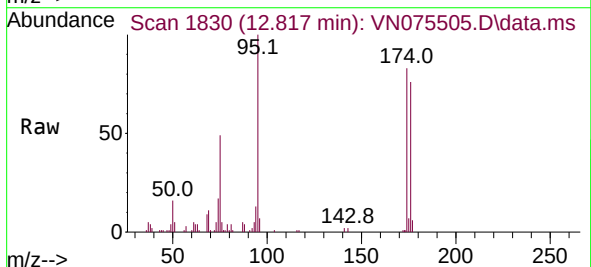
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

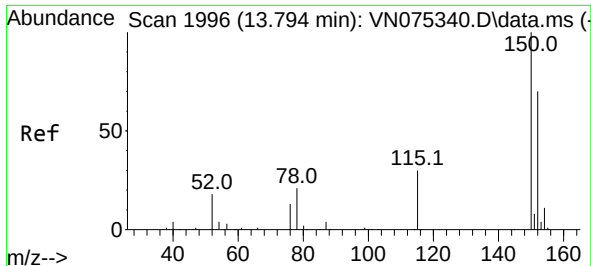
Tgt Ion:117 Resp: 160830
Ion Ratio Lower Upper
117 100
82 52.0 43.1 64.7
119 31.0 25.5 38.3



#71
Bromoform
Concen: 0.432 ug/l
RT: 12.817 min Scan# 1830
Delta R.T. 0.241 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion:173 Resp: 408
Ion Ratio Lower Upper
173 100
175 1045.3 24.6 74.0#
254 0.0 0.0 0.0

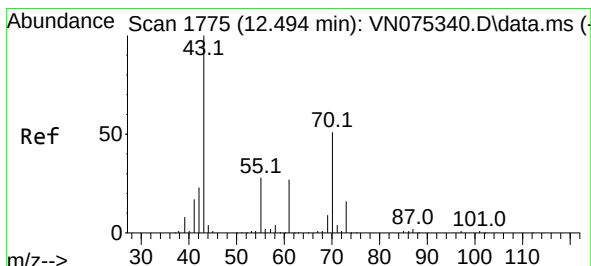
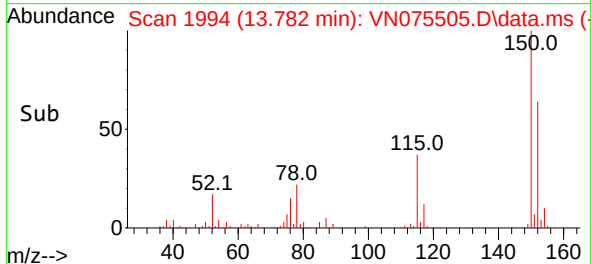
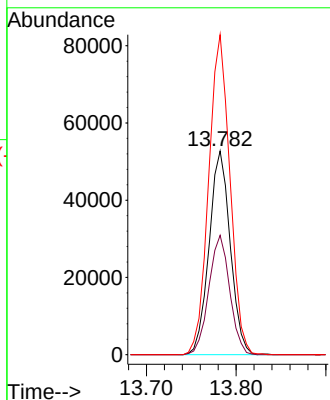
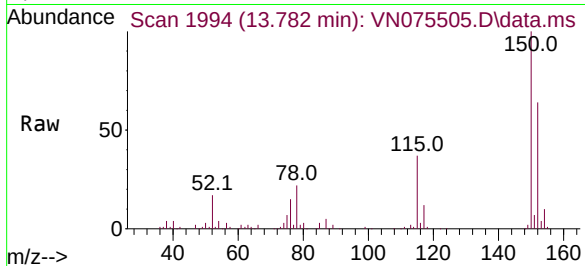




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.782 min Scan# 1994
 Delta R.T. -0.012 min
 Lab File: VN075505.D
 Acq: 30 Nov 2022 16:41

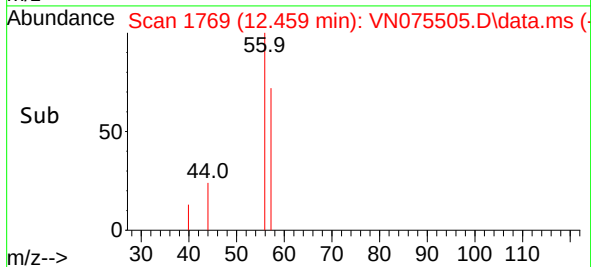
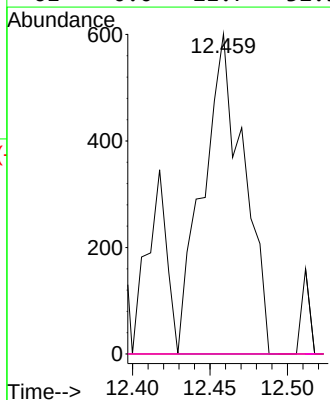
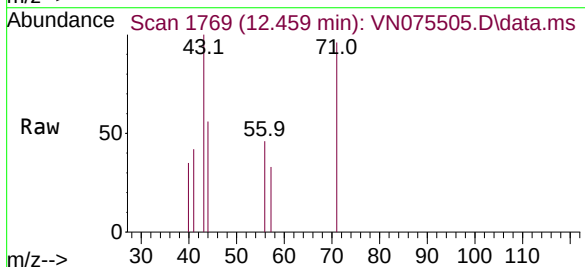
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#09

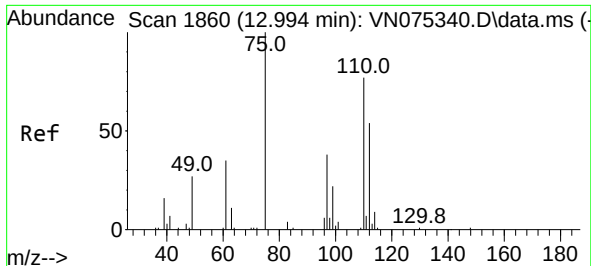
Tgt Ion:152 Resp: 86289
 Ion Ratio Lower Upper
 152 100
 115 57.8 30.2 90.6
 150 157.7 0.0 348.4



#74
 N-ethyl acetate
 Concen: 0.566 ug/l
 RT: 12.459 min Scan# 1769
 Delta R.T. -0.035 min
 Lab File: VN075505.D
 Acq: 30 Nov 2022 16:41

Tgt Ion: 43 Resp: 1097
 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#

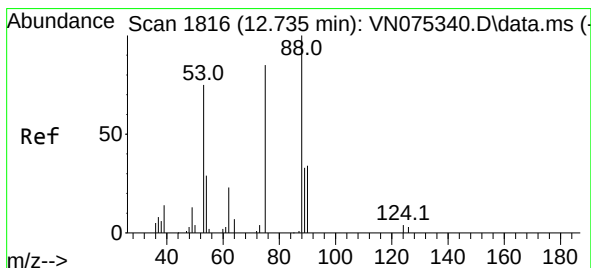
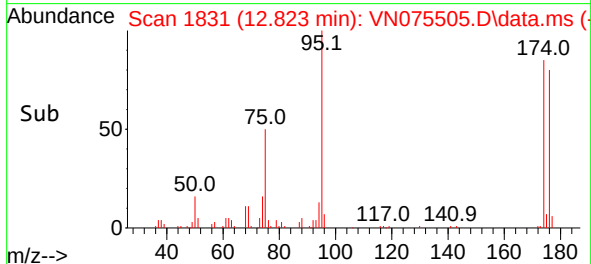
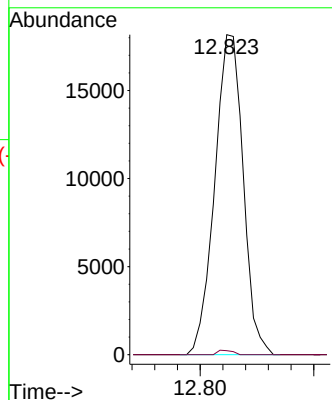
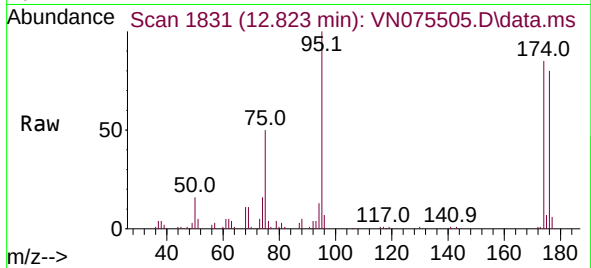




#76
1,2,3-Trichloropropane
Concen: 19.347 ug/l
RT: 12.823 min Scan# 1831
Delta R.T. -0.171 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#09

Tgt Ion: 75 Resp: 31564
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.242 ug/l
RT: 12.823 min Scan# 1831
Delta R.T. 0.088 min
Lab File: VN075505.D
Acq: 30 Nov 2022 16:41

Tgt Ion: 75 Resp: 31564
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

