

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075405.D
 Acq On : 23 Nov 2022 18:47
 Operator : JC\MD
 Sample : N5762-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Nov 24 06:53:35 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)

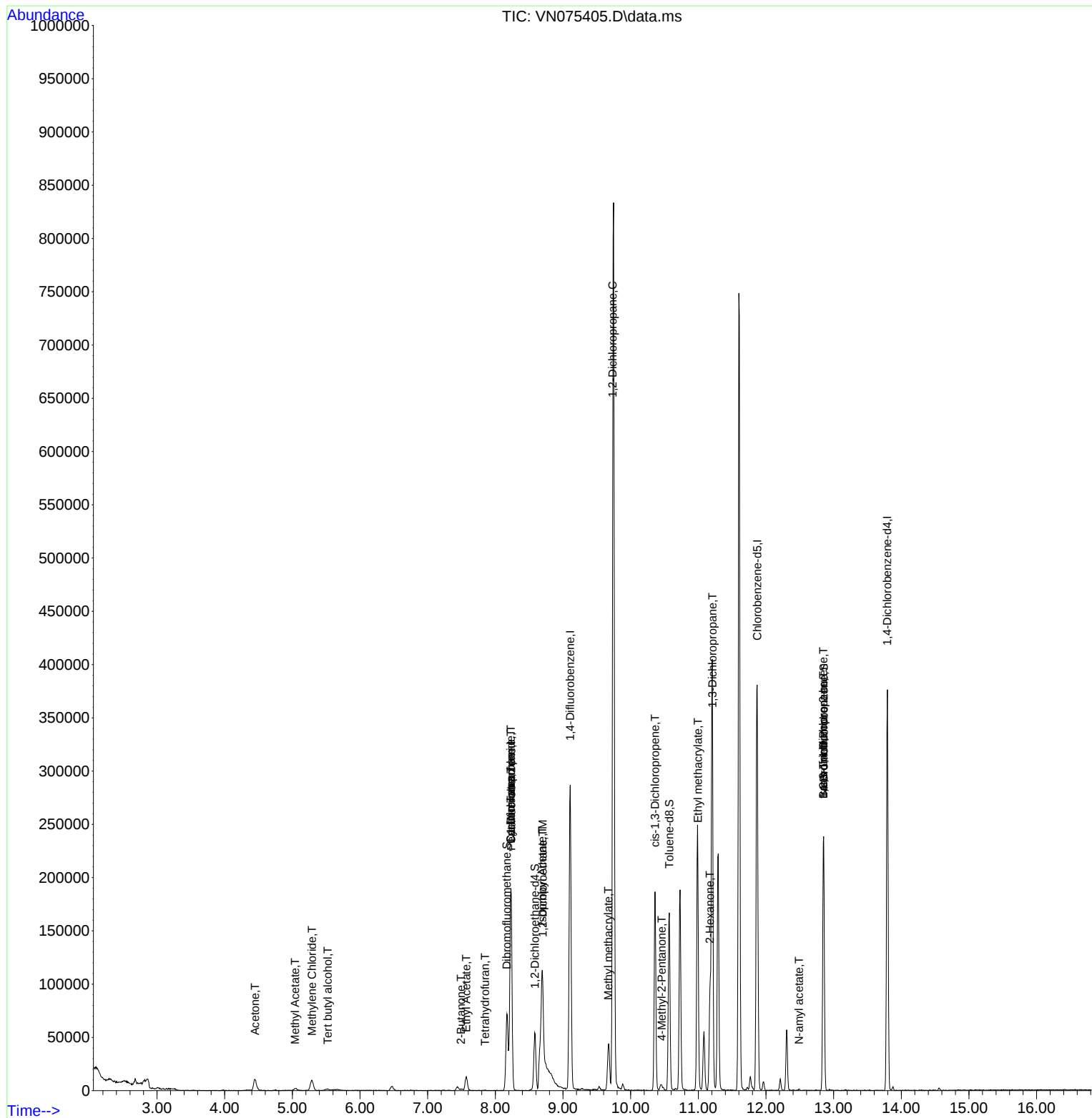
Internal Standards						
1) Pentafluorobenzene	8.235	168	150598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	265379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	242943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	43277	53.535	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.060%			
35) Dibromofluoromethane	8.171	113	53035	50.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	10.571	98	117361	49.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.853	95	84884	48.979	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.960%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	659	1.942	ug/l #	72
16) Acetone	4.447	43	21339	28.300	ug/l	95
18) Methyl Acetate	5.042	43	4496	1.099	ug/l	93
20) Methylene Chloride	5.289	84	8621	4.474	ug/l #	89
25) 2-Butanone	7.494	43	1175	1.116	ug/l #	85
29) Tetrahydrofuran	7.847	42	195	0.305	ug/l #	26
31) Cyclohexane	8.230	56	2844	1.107	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	10681	4.698	ug/l #	50
37) Ethyl Acetate	7.571	43	19049	9.305	ug/l	99
38) Carbon Tetrachloride	8.230	117	15484	6.200	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	764	0.328	ug/l #	75
43) Isopropyl Acetate	8.694	43	173889	52.921	ug/l #	75
45) 1,2-Dichloropropane	9.735	63	1133	0.683	ug/l #	42
48) Methyl methacrylate	9.671	41	2508	1.651	ug/l #	31
51) 4-Methyl-2-Pentanone	10.459	43	3503	1.674	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	37065	13.991	ug/l #	61
56) Ethyl methacrylate	10.994	69	814	0.330	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	4735	1.590	ug/l #	42
59) 2-Hexanone	11.171	43	71422	45.449	ug/l #	21
71) Bromoform	12.847	173	518	0.363	ug/l #	28
74) N-amyl acetate	12.488	43	547	0.230	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41015	20.502	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41015	60.660	ug/l #	10

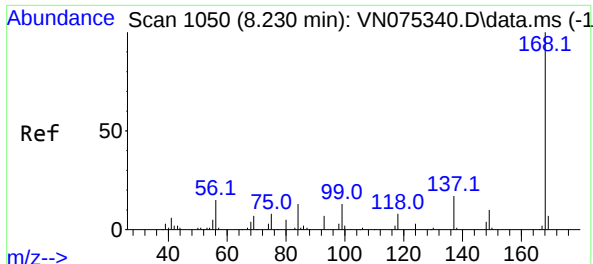
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN075405.D

Acq: 23 Nov 2022 18:47

Instrument :

MSVOA_N

ClientSampleId :

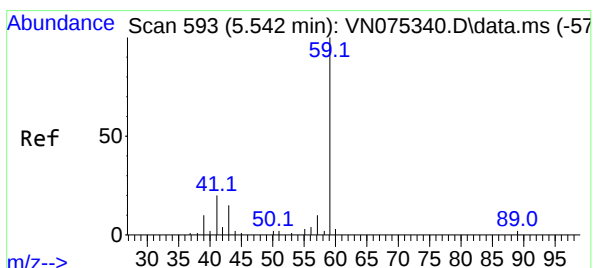
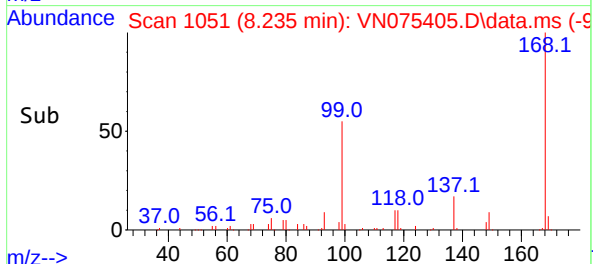
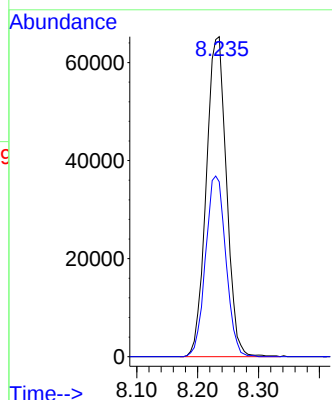
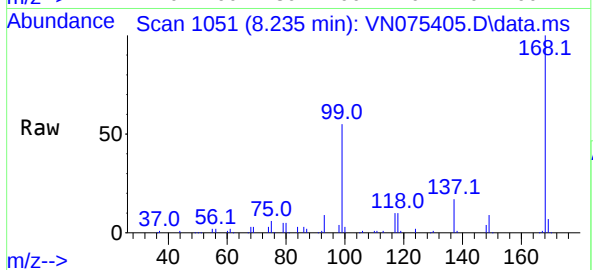
TP-2

Tgt Ion:168 Resp: 150598

Ion Ratio Lower Upper

168 100

99 54.7 51.6 77.4



#11

Tert butyl alcohol

Concen: 1.942 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.018 min

Lab File: VN075405.D

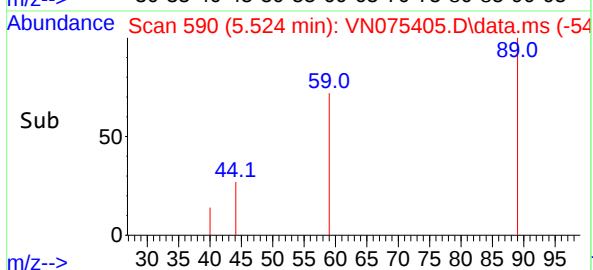
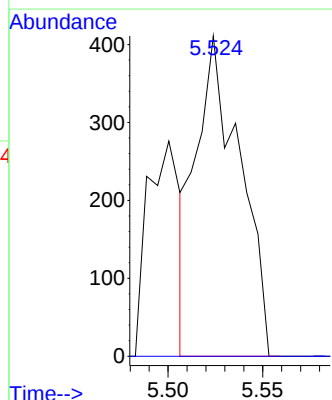
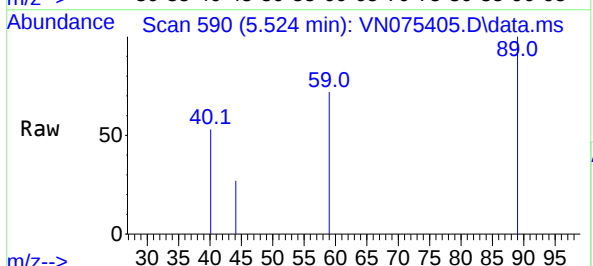
Acq: 23 Nov 2022 18:47

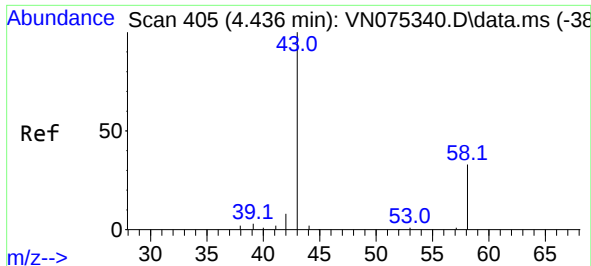
Tgt Ion: 59 Resp: 659

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

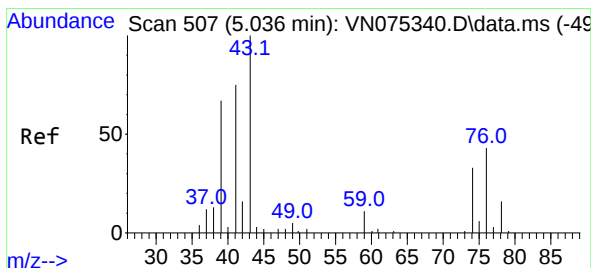
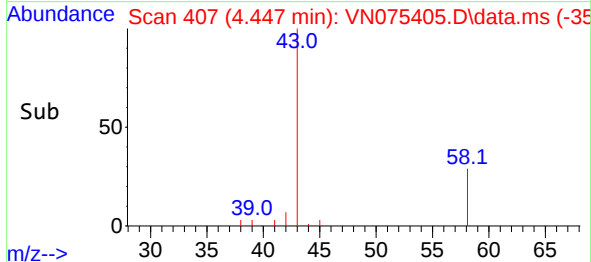
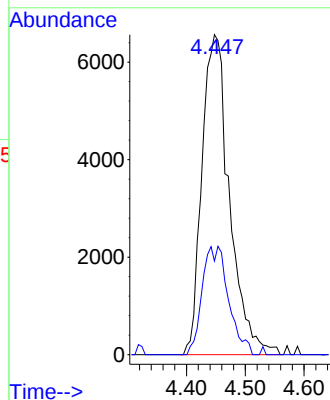
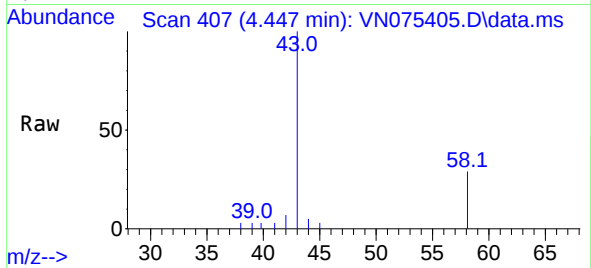




#16
Acetone
Concen: 28.300 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

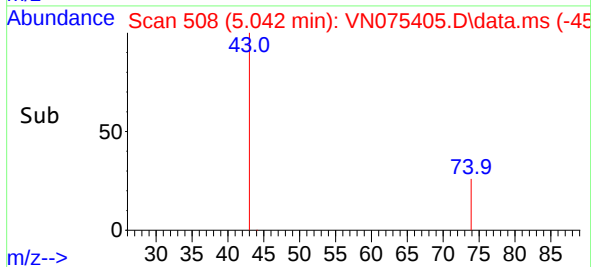
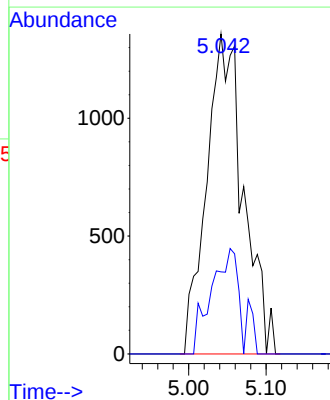
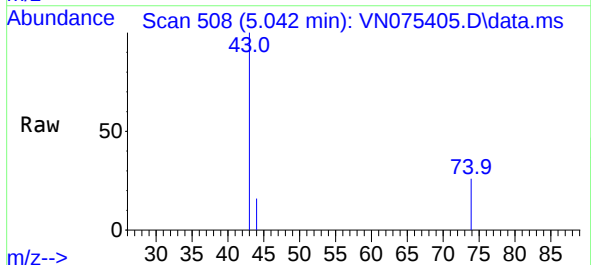
Instrument :
MSVOA_N
ClientSampleId :
TP-2

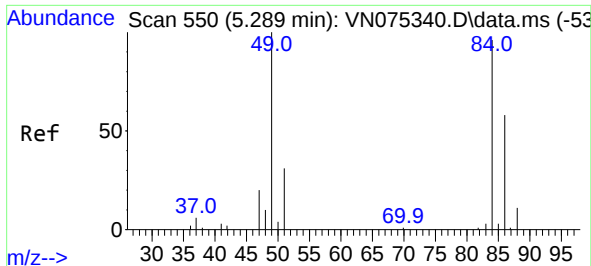
Tgt Ion: 43 Resp: 21339
Ion Ratio Lower Upper
43 100
58 29.3 25.5 38.3



#18
Methyl Acetate
Concen: 1.099 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion: 43 Resp: 4496
Ion Ratio Lower Upper
43 100
74 23.7 22.0 33.0



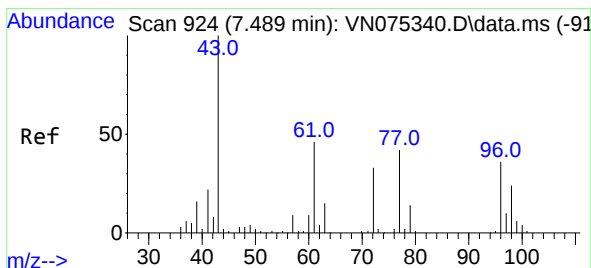
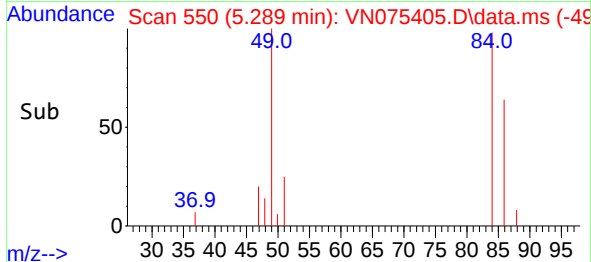
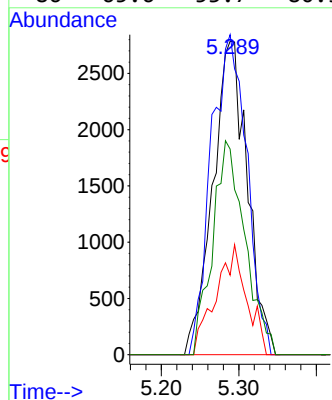
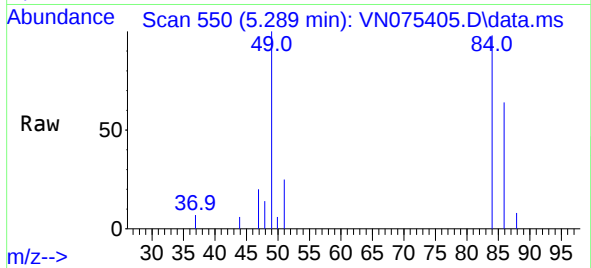


#20
Methylene Chloride
Concen: 4.474 ug/l
RT: 5.289 min Scan# 510
Delta R.T. -0.000 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Instrument :
MSVOA_N
ClientSampleId :
TP-2

Tgt Ion: 84 Resp: 8621

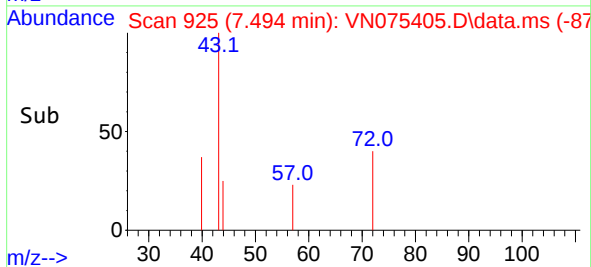
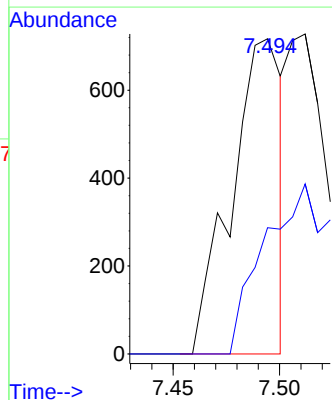
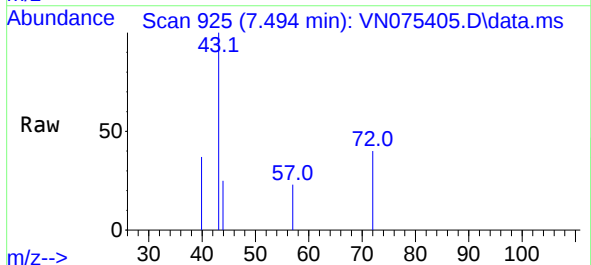
Ion	Ratio	Lower	Upper
84	100		
49	102.1	94.9	142.3
51	25.4	26.8	40.2#
86	65.6	53.7	80.5

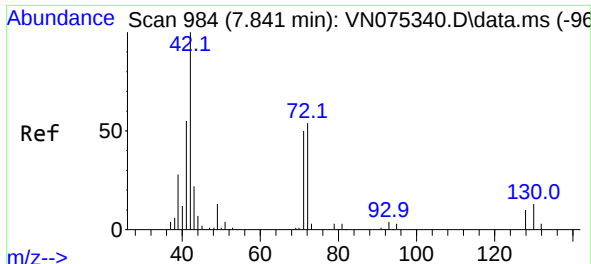


#25
2-Butanone
Concen: 1.116 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion: 43 Resp: 1175

Ion	Ratio	Lower	Upper
43	100		
72	40.0	25.5	38.3#





#29

Tetrahydrofuran

Concen: 0.305 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075405.D

Acq: 23 Nov 2022 18:47

Instrument :

MSVOA_N

ClientSampleId :

TP-2

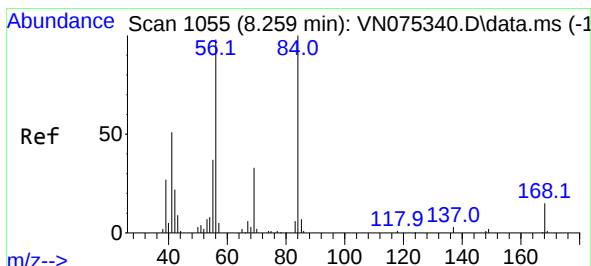
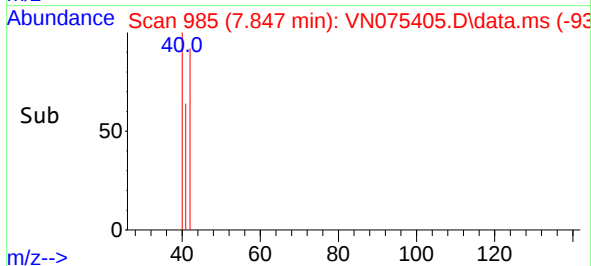
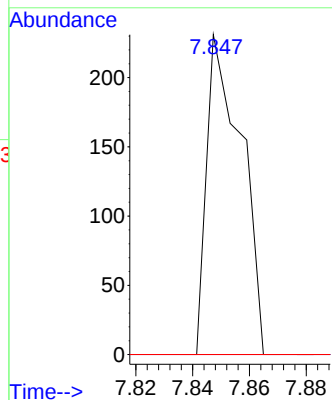
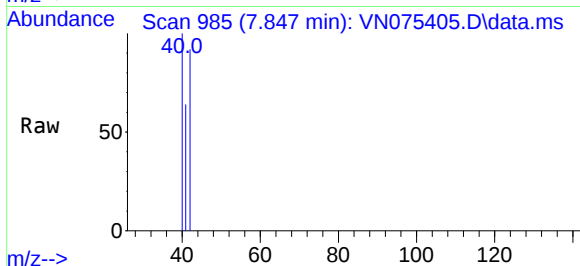
Tgt Ion: 42 Resp: 195

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075405.D

Acq: 23 Nov 2022 18:47

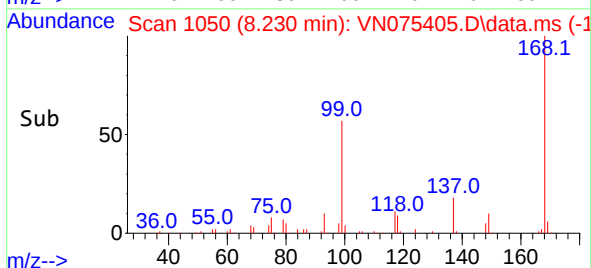
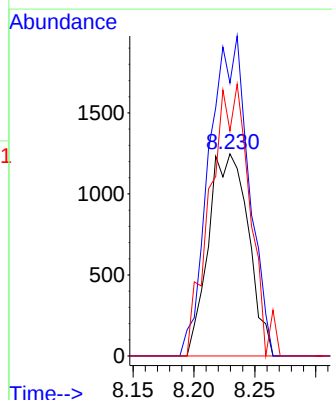
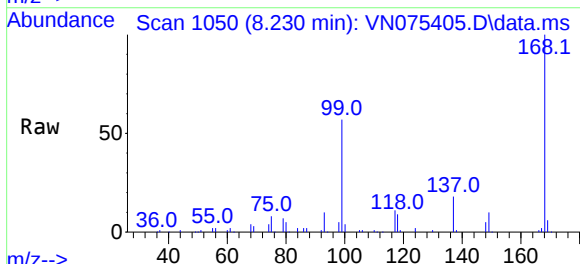
Tgt Ion: 56 Resp: 2844

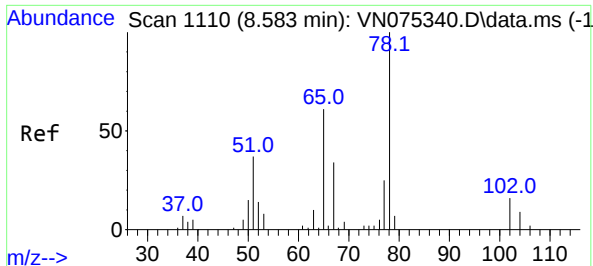
Ion Ratio Lower Upper

56 100

69 135.1 25.2 37.8#

84 111.5 77.8 116.8

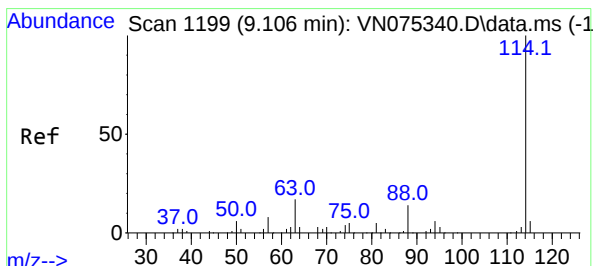
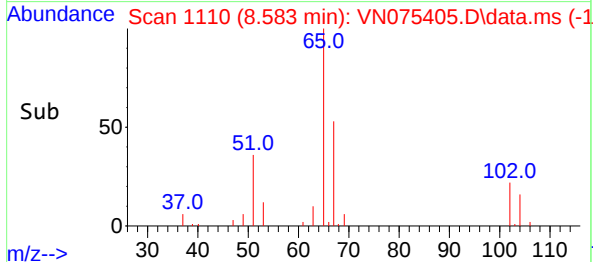
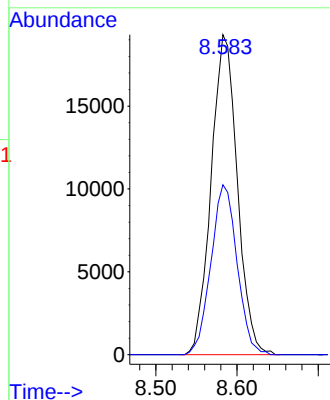
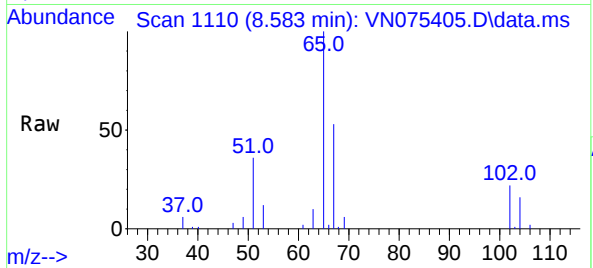




#33
1,2-Dichloroethane-d4
Concen: 53.535 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

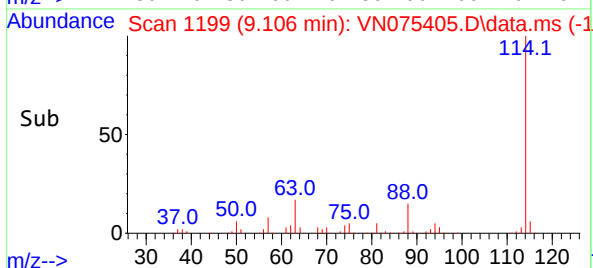
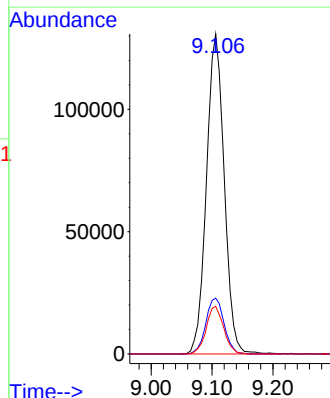
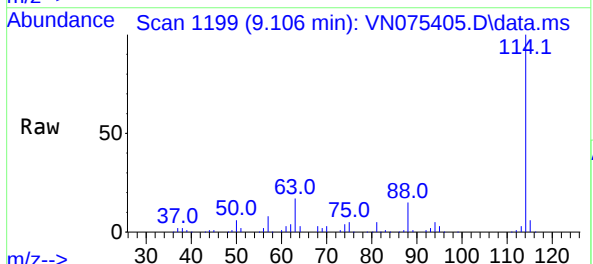
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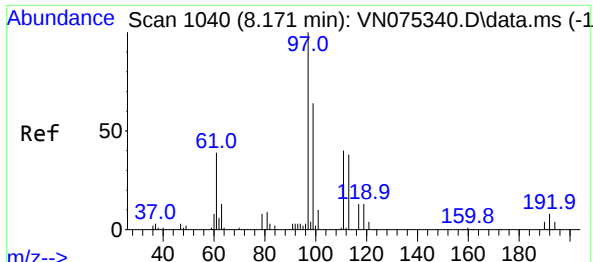
Tgt Ion: 65 Resp: 43277
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion:114 Resp: 265379
Ion Ratio Lower Upper
114 100
63 17.5 0.0 39.6
88 14.8 0.0 29.0

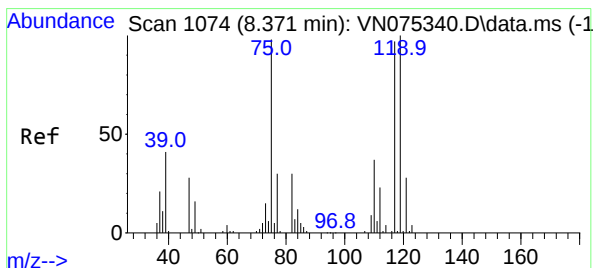
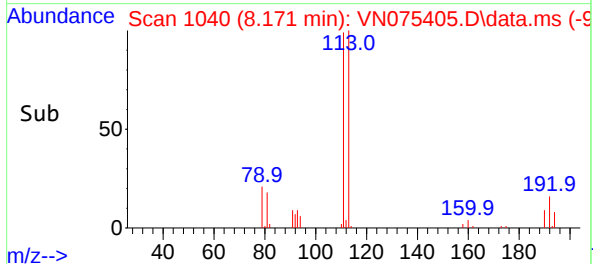
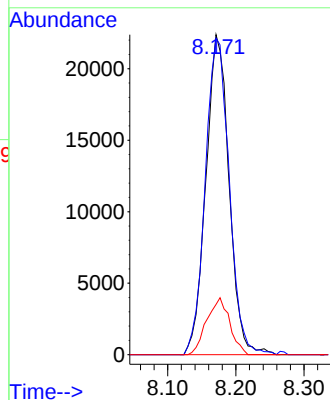
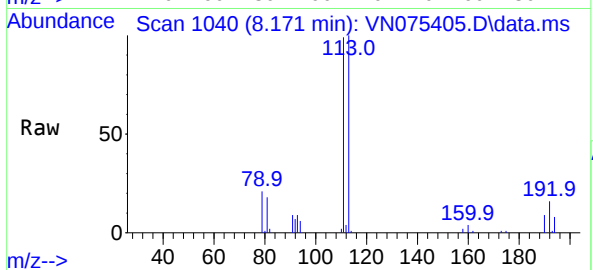




#35
Dibromofluoromethane
Concen: 50.873 ug/l
RT: 8.171 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

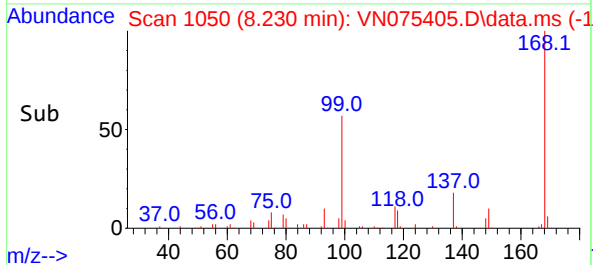
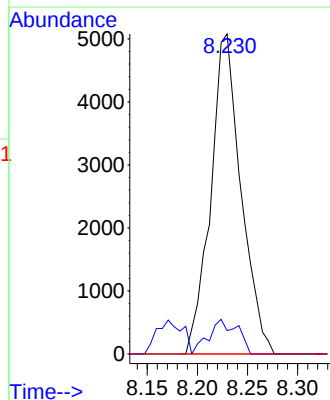
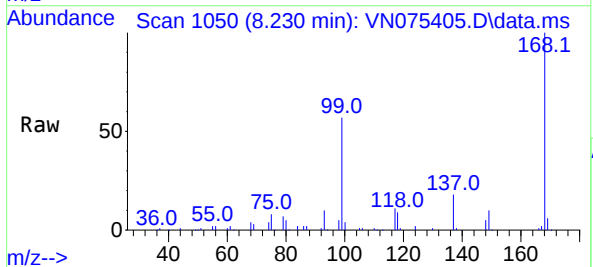
Instrument :
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ClientSampleId :
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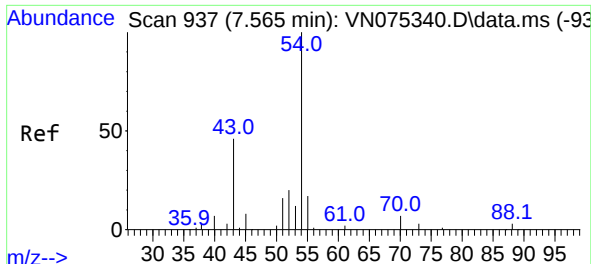
Tgt Ion:113 Resp: 53035
Ion Ratio Lower Upper
113 100
111 102.1 80.5 120.7
192 17.7 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion: 75 Resp: 10681
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 24.6 37.0#

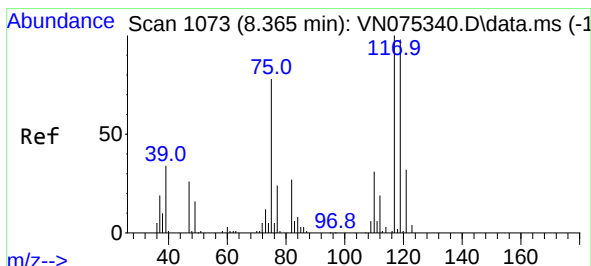
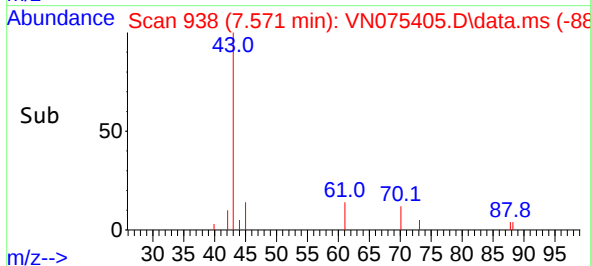
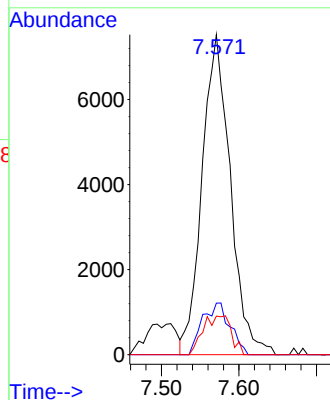
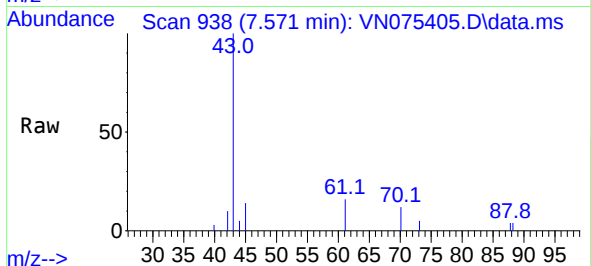




#37
Ethyl Acetate
Concen: 9.305 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

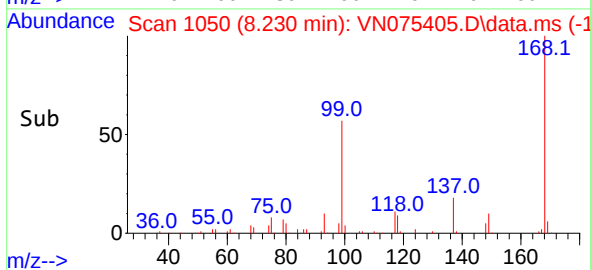
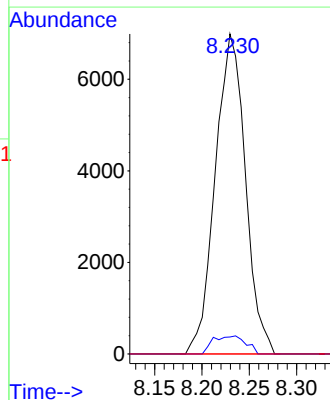
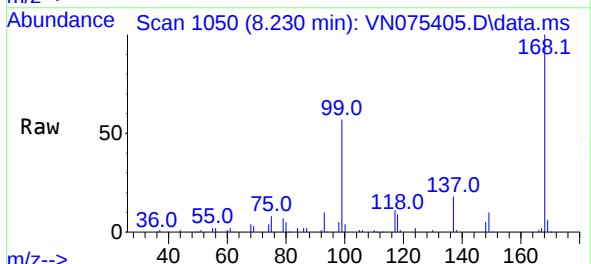
Instrument :
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ClientSampleId :
TP-2

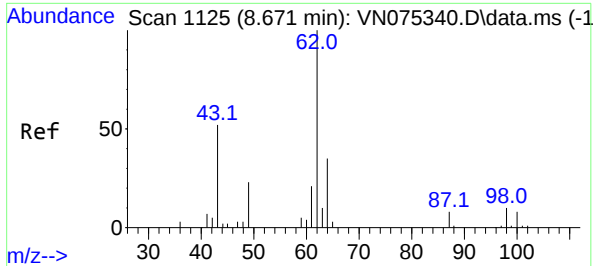
Tgt Ion:	43	Resp:	19049
Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.2	18.4
70	12.1	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion:	117	Resp:	15484
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.7	115.1#
121	0.0	23.9	35.9#

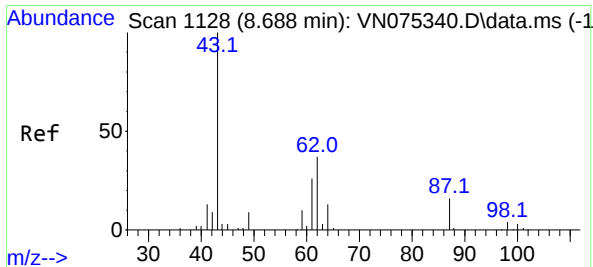
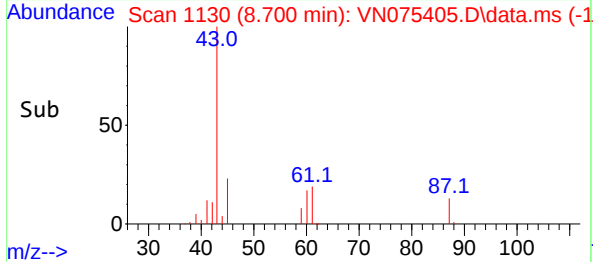
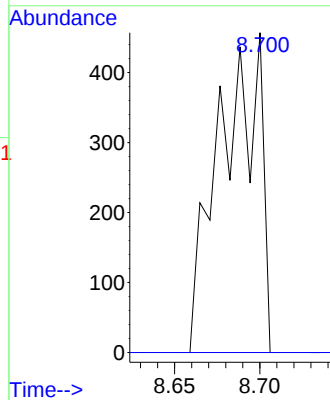
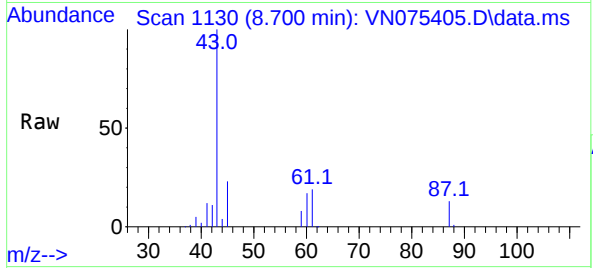




#42
 1,2-Dichloroethane
 Concen: 0.328 ug/l
 RT: 8.700 min Scan# 1125
 Delta R.T. 0.029 min
 Lab File: VN075405.D
 Acq: 23 Nov 2022 18:47

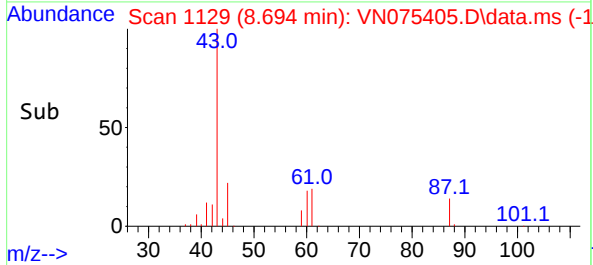
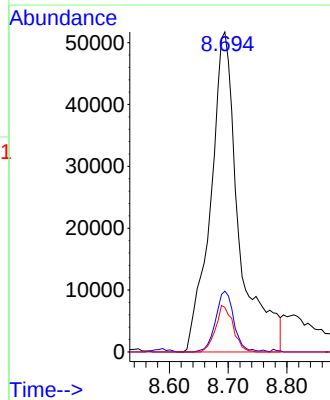
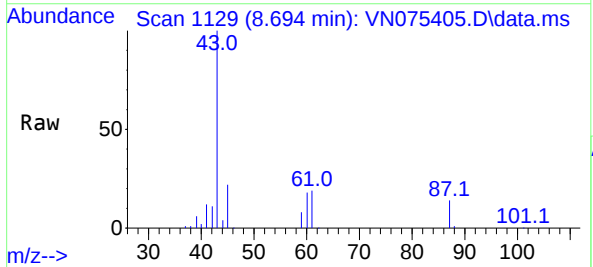
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

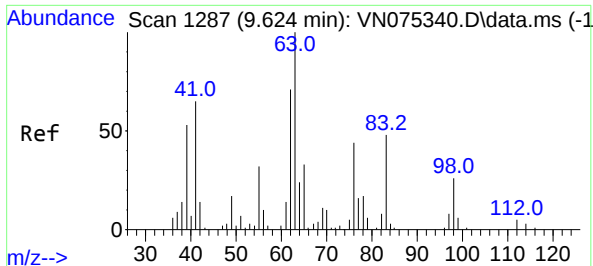
Tgt Ion:	62	Resp:	764
Ion Ratio	100	Lower	Upper
98	0.0	0.0	18.2



#43
 Isopropyl Acetate
 Concen: 52.921 ug/l
 RT: 8.694 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VN075405.D
 Acq: 23 Nov 2022 18:47

Tgt Ion:	43	Resp:	173889
Ion Ratio	100	Lower	Upper
61	12.3	22.4	33.6#
87	8.9	12.5	18.7#





#45

1,2-Dichloropropane

Concen: 0.683 ug/l

RT: 9.735 min Scan# 1133

Delta R.T. 0.111 min

Lab File: VN075405.D

Acq: 23 Nov 2022 18:47

Instrument :

MSVOA_N

ClientSampleId :

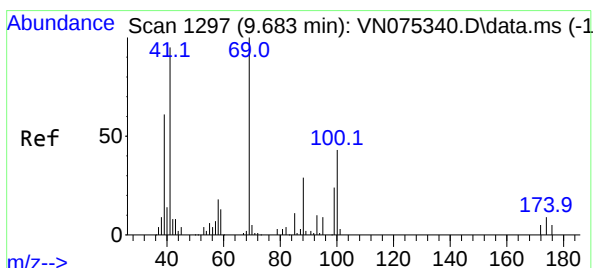
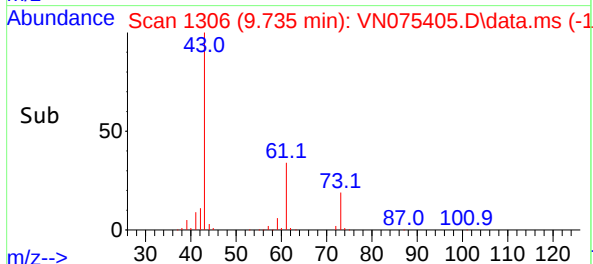
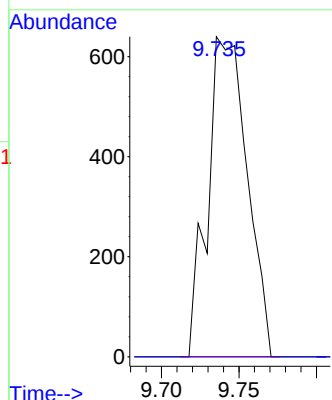
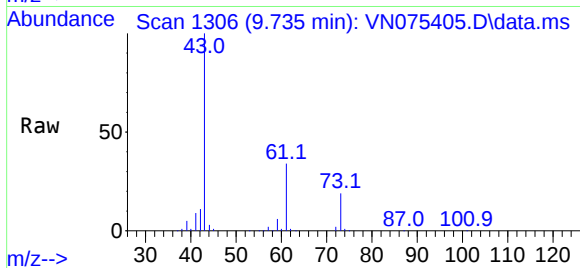
TP-2

Tgt Ion: 63 Resp: 1133

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.651 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075405.D

Acq: 23 Nov 2022 18:47

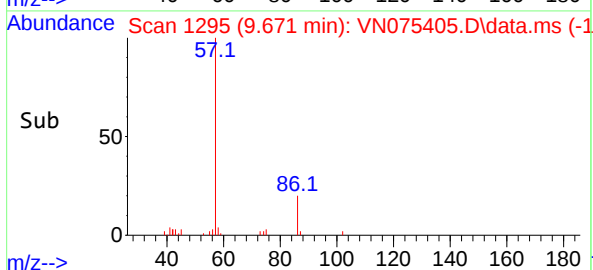
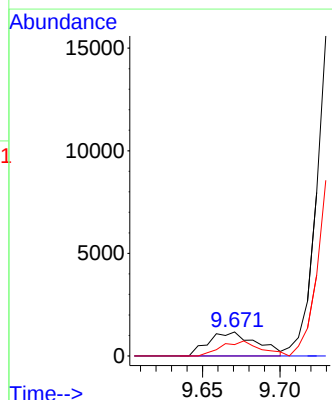
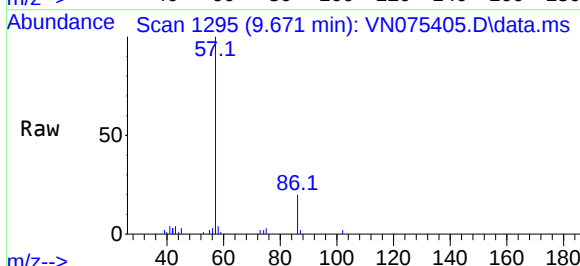
Tgt Ion: 41 Resp: 2508

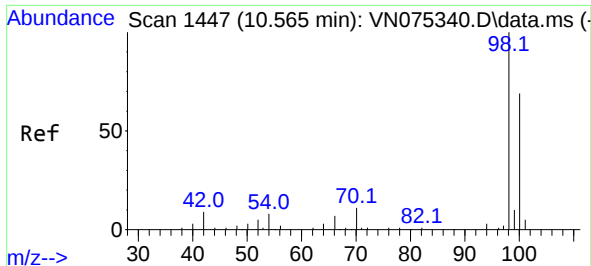
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 50.4 56.2 84.2#

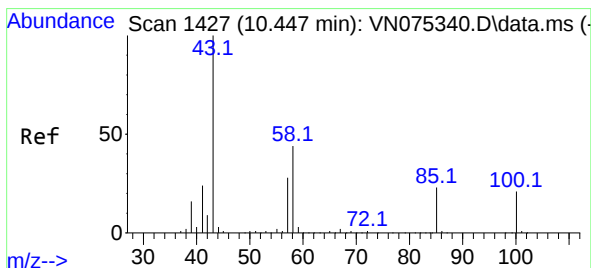
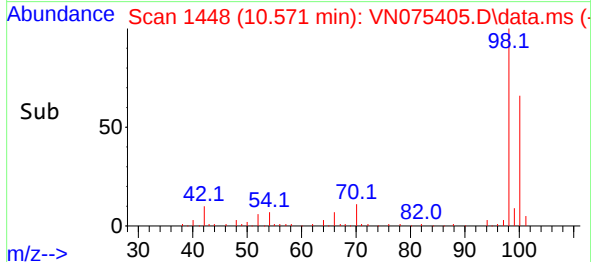
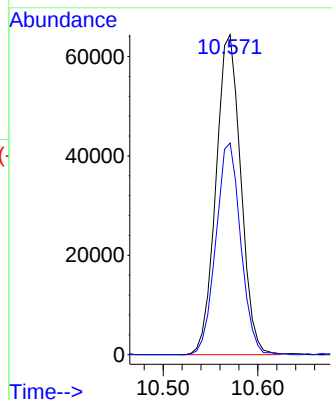
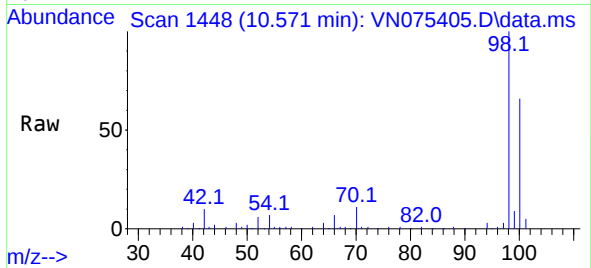




#50
Toluene-d8
Concen: 49.984 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

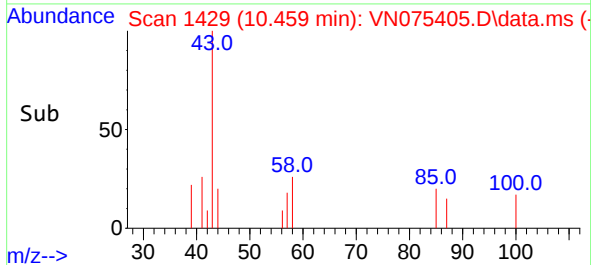
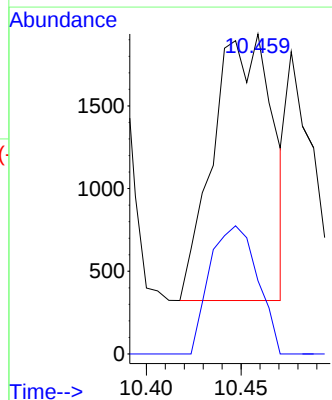
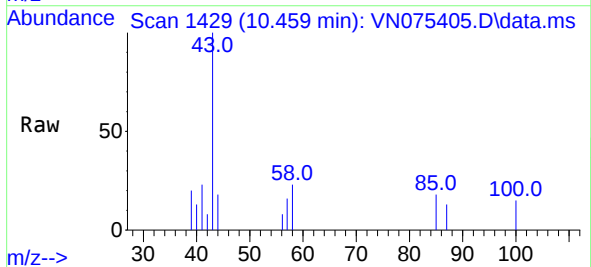
Instrument :
MSVOA_N
ClientSampleId :
TP-2

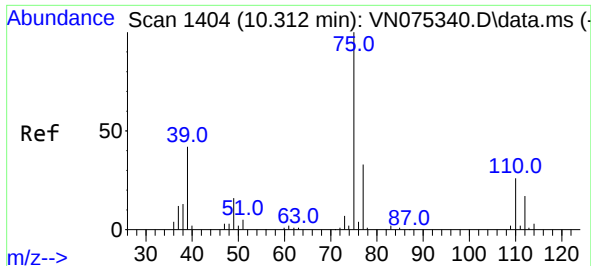
Tgt Ion: 98 Resp: 117361
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.674 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion: 43 Resp: 3503
Ion Ratio Lower Upper
43 100
58 38.9 33.6 50.4

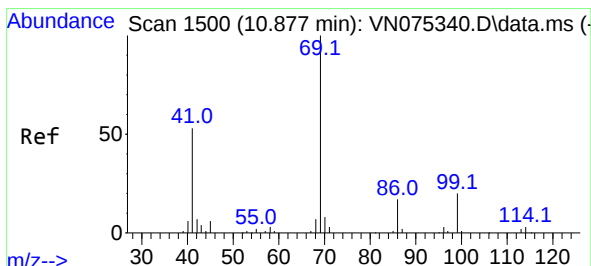
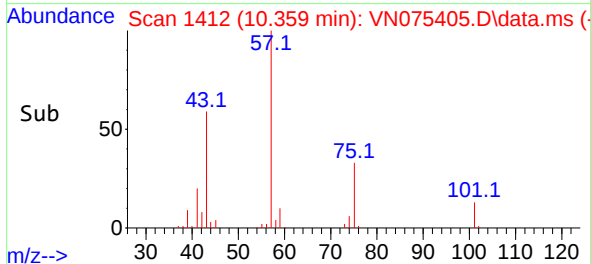
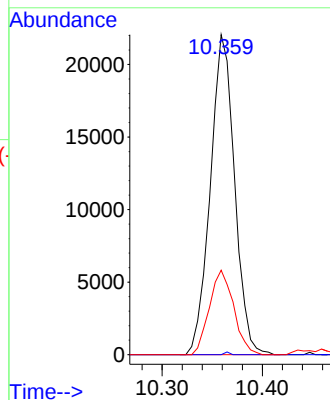
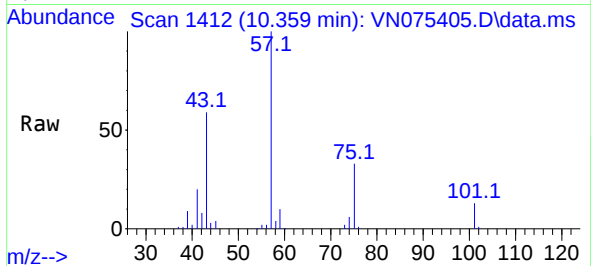




#54
 cis-1,3-Dichloropropene
 Concen: 13.991 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075405.D
 Acq: 23 Nov 2022 18:47

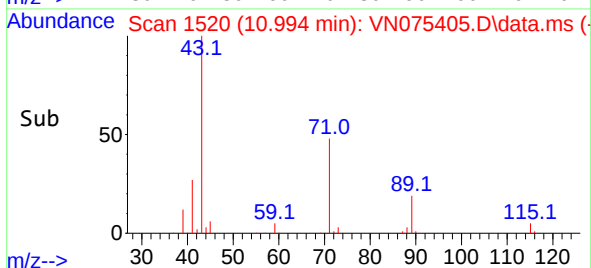
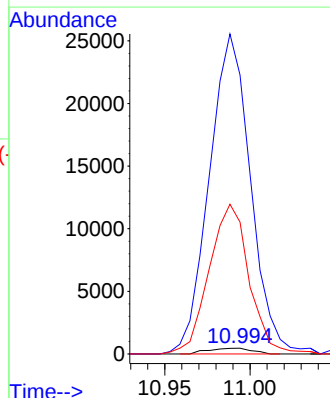
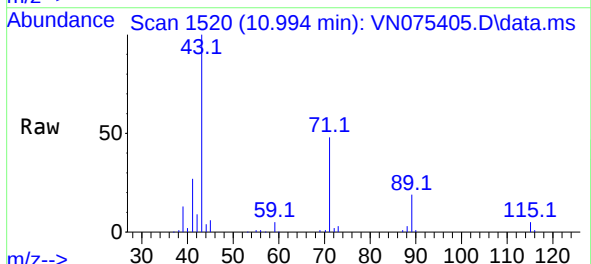
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

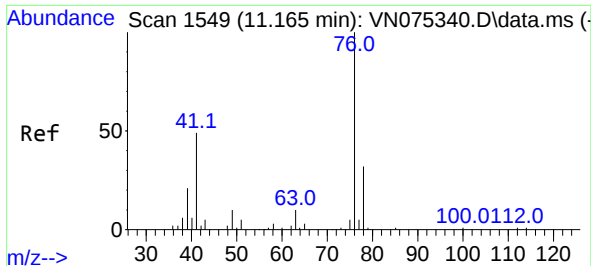
Tgt Ion: 75 Resp: 37065
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 26.4 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.330 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.117 min
 Lab File: VN075405.D
 Acq: 23 Nov 2022 18:47

Tgt Ion: 69 Resp: 814
 Ion Ratio Lower Upper
 69 100
 41 5304.5 45.6 68.4#
 39 2399.4 28.5 42.7#

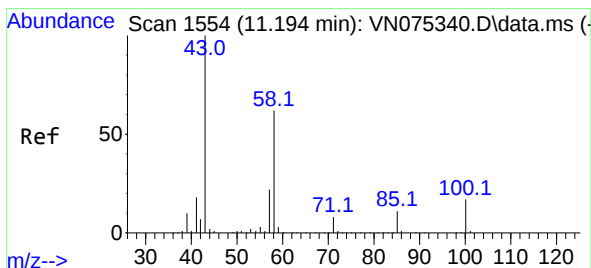
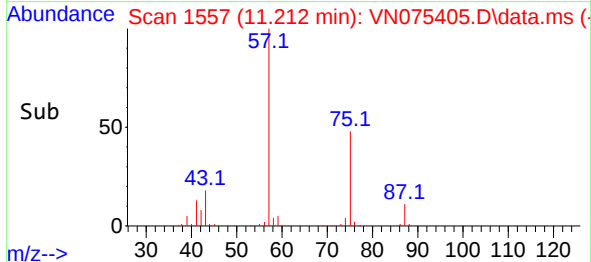
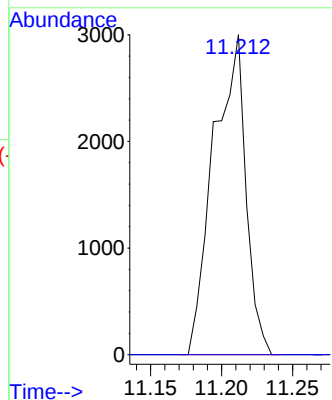
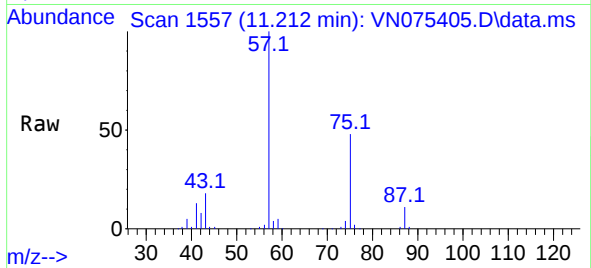




#57
1,3-Dichloropropane
Concen: 1.590 ug/l
RT: 11.212 min Scan# 1557
Delta R.T. 0.047 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

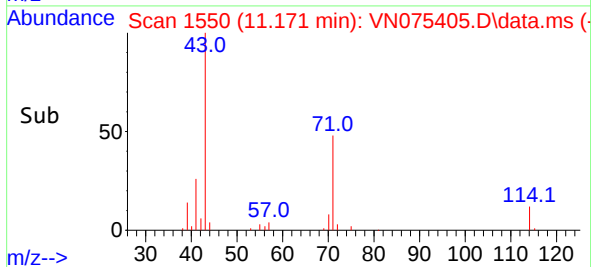
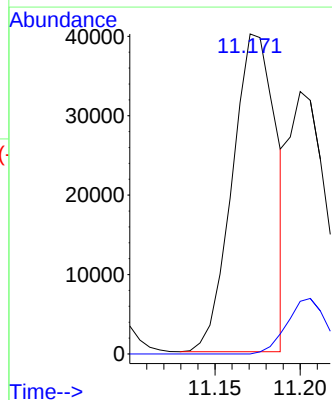
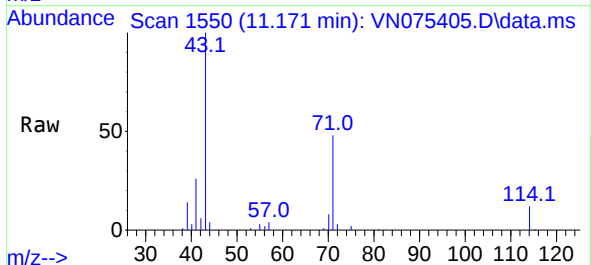
Instrument :
MSVOA_N
ClientSampleId :
TP-2

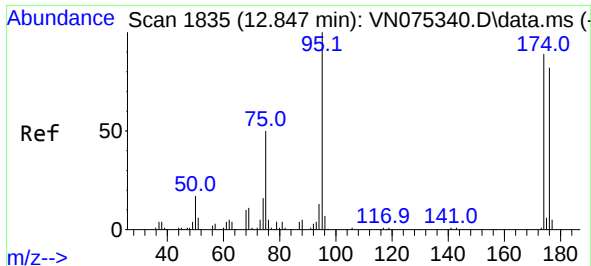
Tgt Ion: 76 Resp: 4735
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 45.449 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.023 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion: 43 Resp: 71422
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#

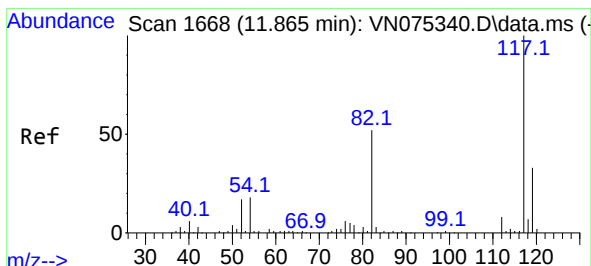
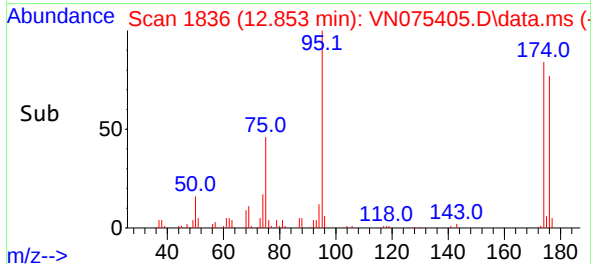
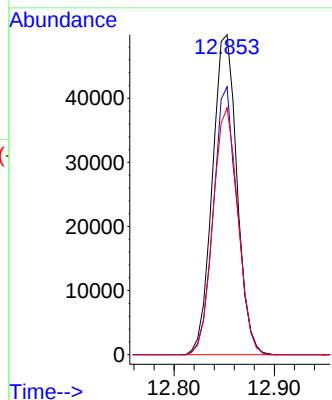
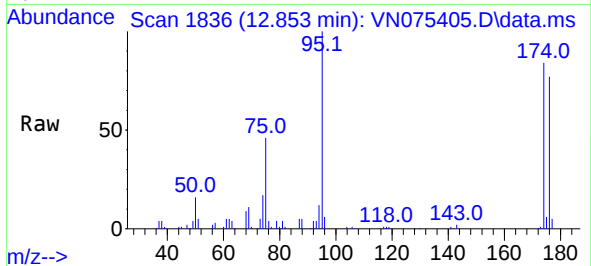




#62
4-Bromofluorobenzene
Concen: 48.979 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

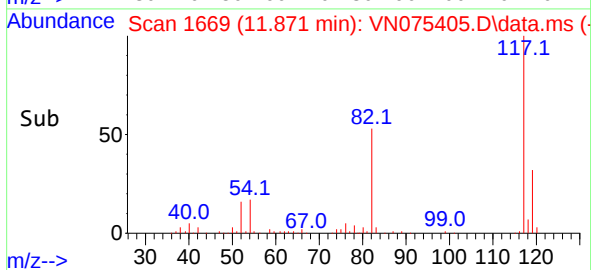
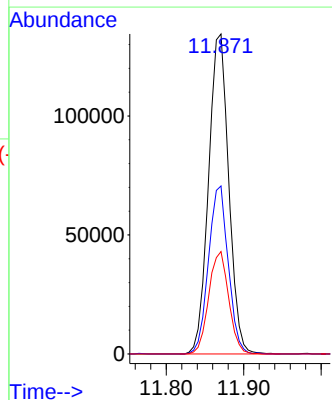
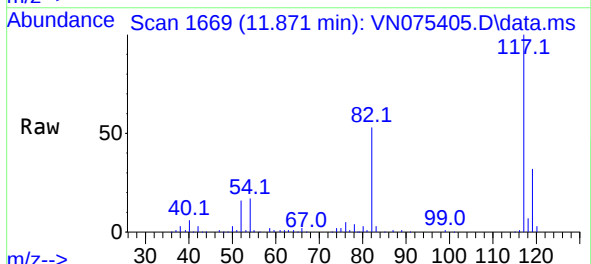
Instrument :
MSVOA_N
ClientSampleId :
TP-2

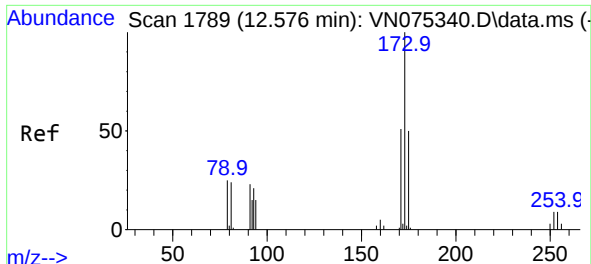
Tgt Ion: 95 Resp: 84884
Ion Ratio Lower Upper
95 100
174 81.2 0.0 147.4
176 78.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion: 117 Resp: 242943
Ion Ratio Lower Upper
117 100
82 52.5 43.1 64.7
119 32.0 25.5 38.3

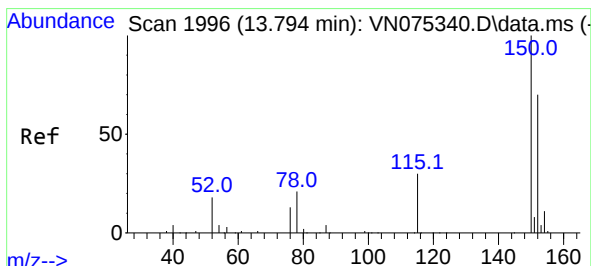
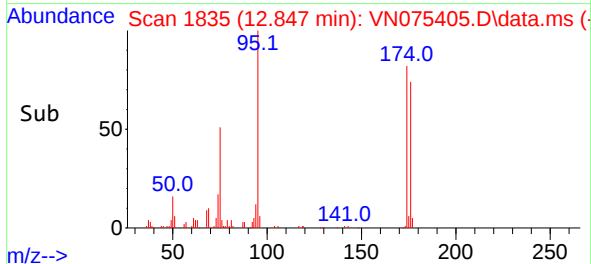
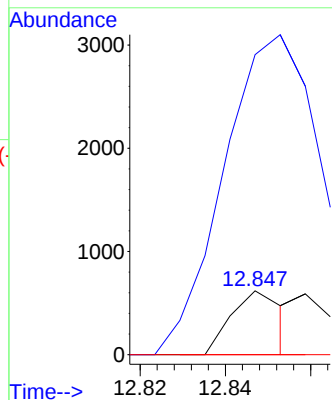
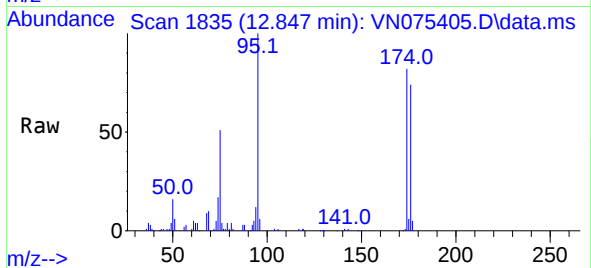




#71
Bromoform
Concen: 0.363 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

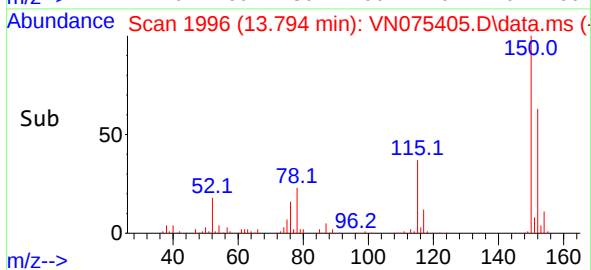
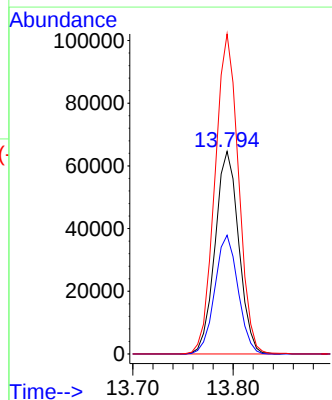
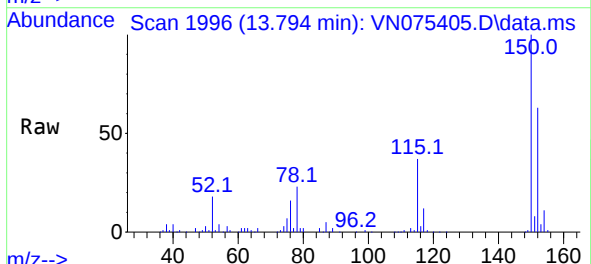
Instrument :
MSVOA_N
ClientSampleId :
TP-2

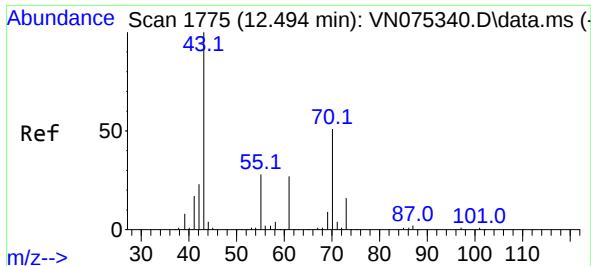
Tgt Ion:173 Resp: 518
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

Tgt Ion:152 Resp: 105809
Ion Ratio Lower Upper
152 100
115 57.6 30.2 90.6
150 157.6 0.0 348.4

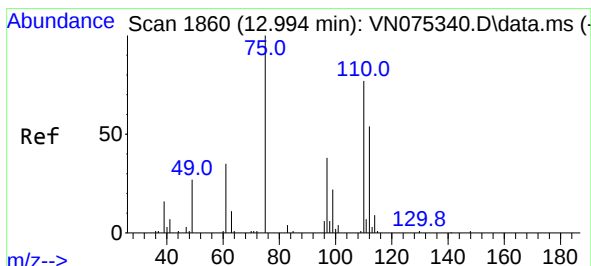
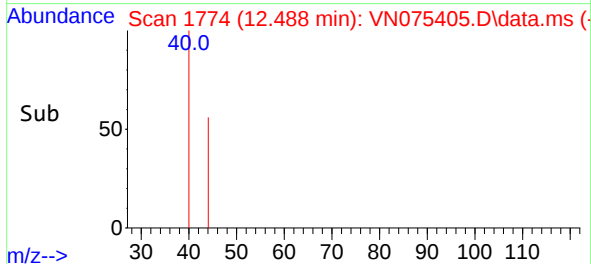
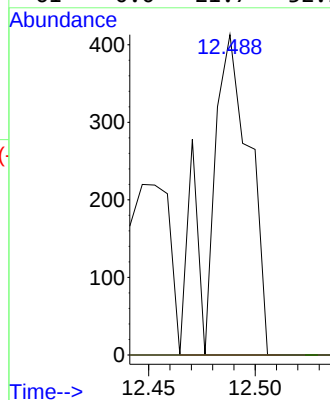
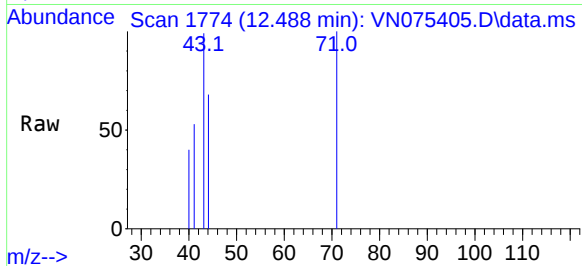




#74
N-amy1 acetate
Concen: 0.230 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

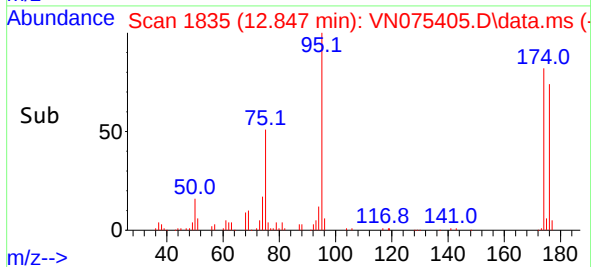
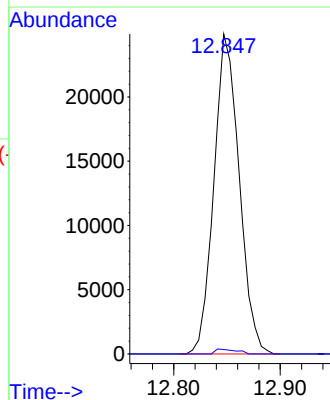
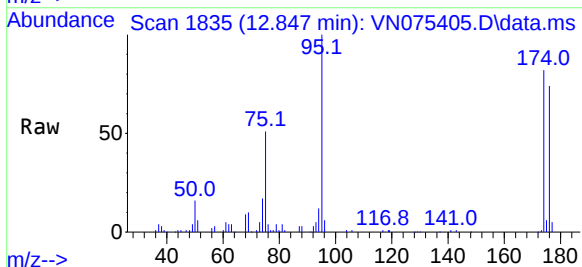
Instrument :
MSVOA_N
ClientSampleId :
TP-2

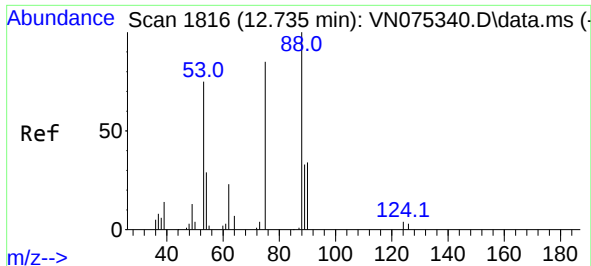
Tgt Ion: 43	Resp:	547
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 20.502 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075405.D
Acq: 23 Nov 2022 18:47

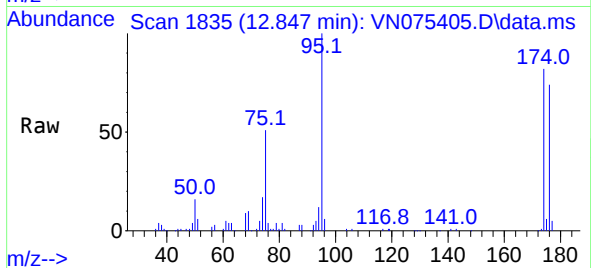
Tgt Ion: 75	Resp:	41015
Ion	Ratio	Lower Upper
75	100	
77	1.3	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.660 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075405.D
 Acq: 23 Nov 2022 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2



Tgt Ion: 75 Resp: 41015
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

