

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075542.D
 Acq On : 02 Dec 2022 19:17
 Operator : JC\MD
 Sample : N5752-25
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Dec 03 00:37:35 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)

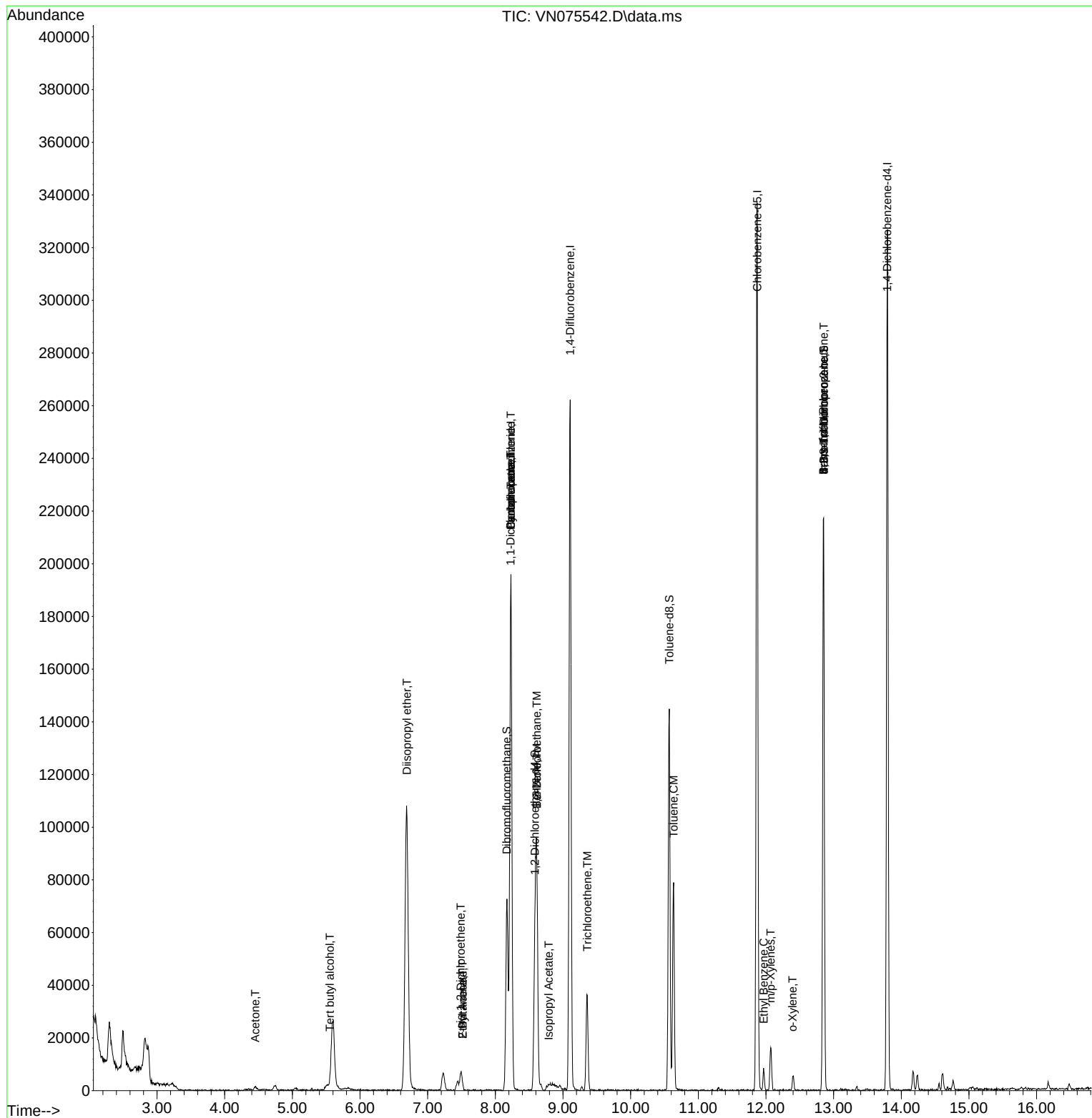
Internal Standards						
1) Pentafluorobenzene	8.230	168	154577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	246149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	214746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	39879	48.062	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.120%
35) Dibromofluoromethane	8.171	113	51931	53.706	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.420%
50) Toluene-d8	10.571	98	104153	47.824	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.640%
62) 4-Bromofluorobenzene	12.853	95	75936	47.239	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.553	59	909	2.610	ug/l #	72
16) Acetone	4.453	43	2583	3.337	ug/l	99
18) Methyl Acetate	5.047	43	1679	Below Cal	#	76
20) Methylene Chloride	5.289	84	64	Below Cal	#	66
22) Diisopropyl ether	6.694	45	4387	1.038	ug/l #	1
25) 2-Butanone	7.518	43	507	0.469	ug/l #	43
27) cis-1,2-Dichloroethene	7.488	96	4694	2.545	ug/l	81
31) Cyclohexane	8.230	56	2791	1.059	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10244	4.858	ug/l #	52
37) Ethyl Acetate	7.518	43	507	0.267	ug/l #	66
38) Carbon Tetrachloride	8.230	117	14411	6.221	ug/l #	17
40) Benzene	8.612	78	89878	13.921	ug/l	96
42) 1,2-Dichloroethane	8.612	62	669	0.309	ug/l #	75
43) Isopropyl Acetate	8.788	43	1773	0.582	ug/l #	53
44) Trichloroethene	9.359	130	14004	7.927	ug/l	86
52) Toluene	10.635	92	36143	8.687	ug/l	94
67) Ethyl Benzene	11.965	91	6114	0.808	ug/l	96
68) m/p-Xylenes	12.070	106	5915	1.925	ug/l	94
69) o-Xylene	12.394	106	2020	0.662	ug/l	92
71) Bromoform	12.847	173	642	0.510	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	37796	21.499	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	37796	63.610	ug/l #	10

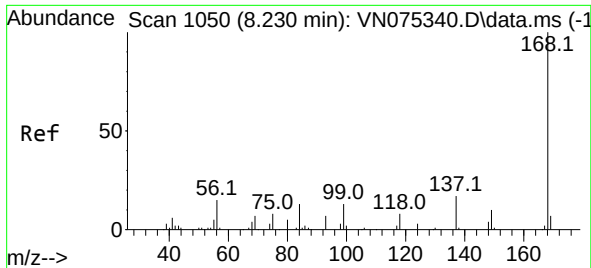
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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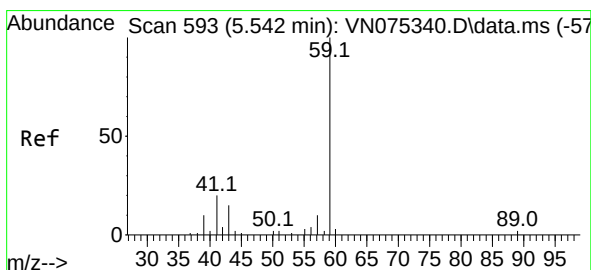
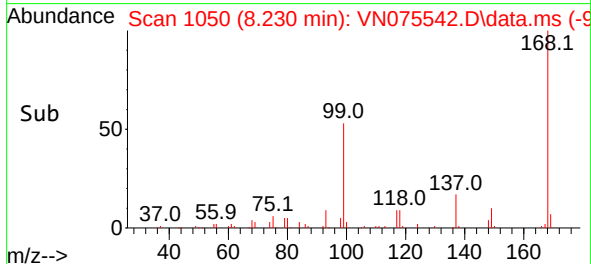
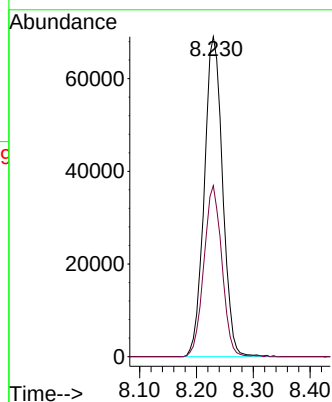
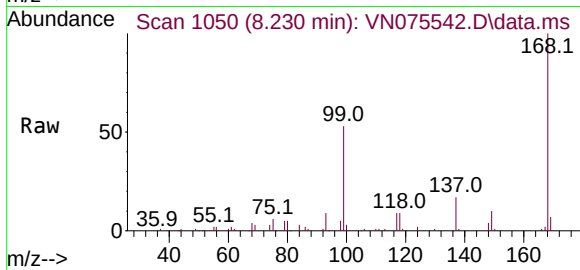




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

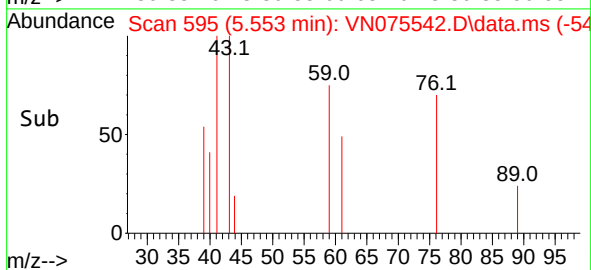
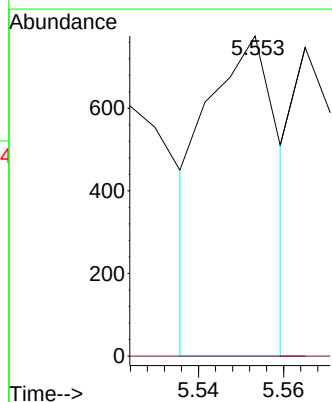
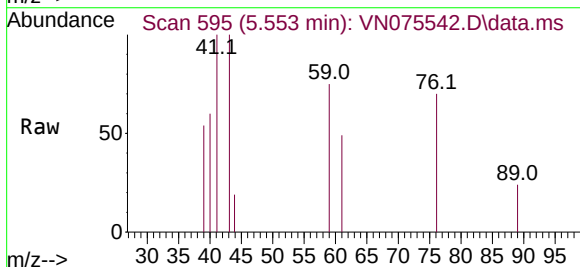
Instrument :
MSVOA_N
ClientSampleId :
TP-1

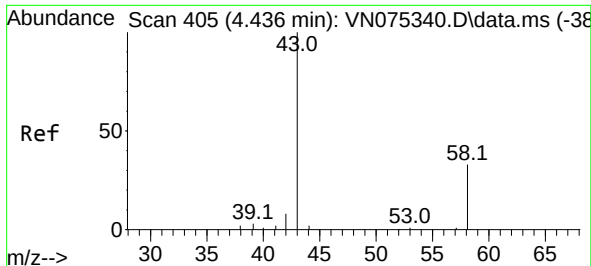
Tgt Ion:168 Resp: 154577
Ion Ratio Lower Upper
168 100
99 53.4 51.6 77.4



#11
Tert butyl alcohol
Concen: 2.610 ug/l
RT: 5.553 min Scan# 595
Delta R.T. 0.011 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion: 59 Resp: 909
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 3.337 ug/l

RT: 4.453 min Scan# 405

Delta R.T. 0.017 min

Lab File: VN075542.D

Acq: 02 Dec 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

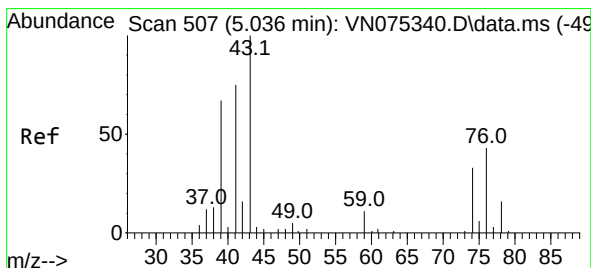
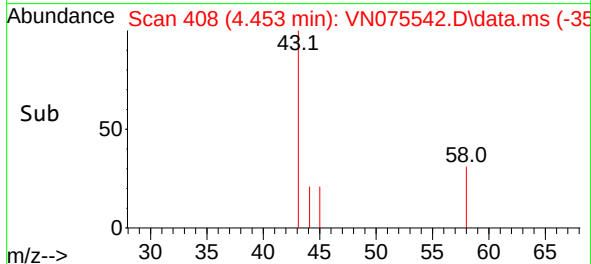
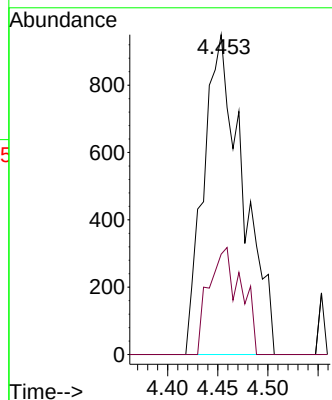
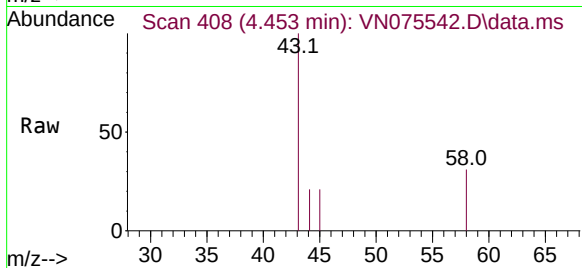
TP-1

Tgt Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

58 31.4 25.5 38.3



#18

Methyl Acetate

Concen: Below Cal

RT: 5.047 min Scan# 509

Delta R.T. 0.011 min

Lab File: VN075542.D

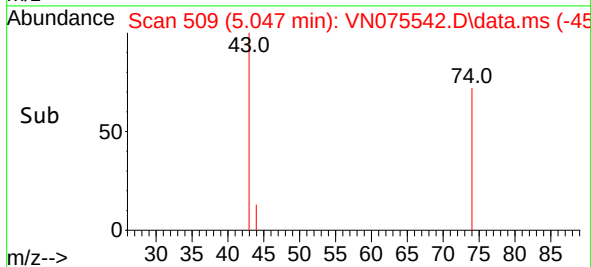
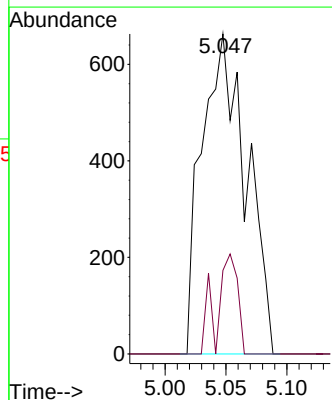
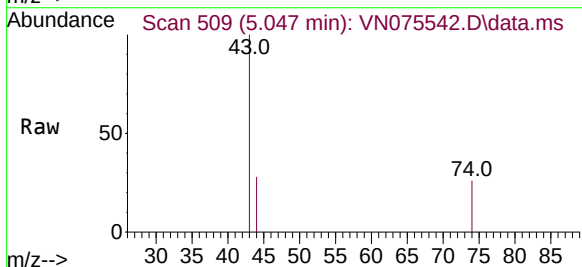
Acq: 02 Dec 2022 19:17

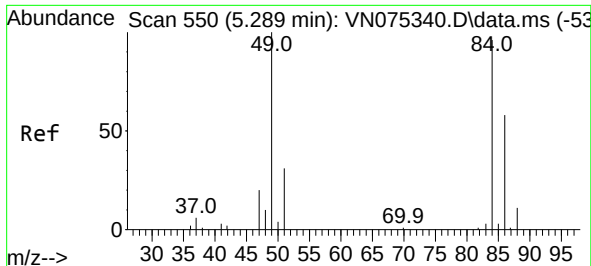
Tgt Ion: 43 Resp: 1679

Ion Ratio Lower Upper

43 100

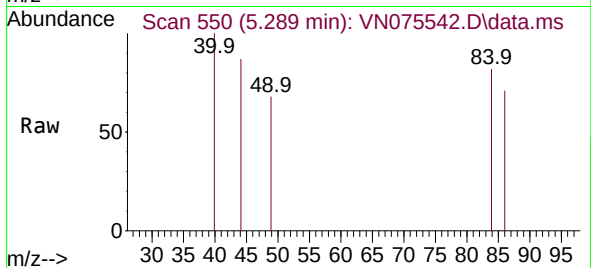
74 14.8 22.0 33.0#



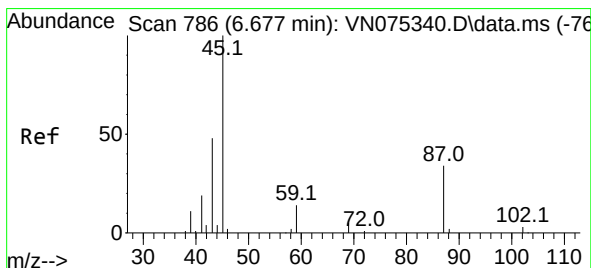
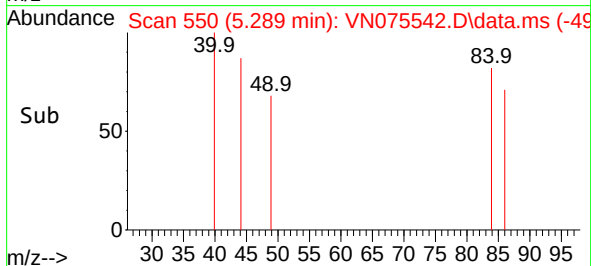
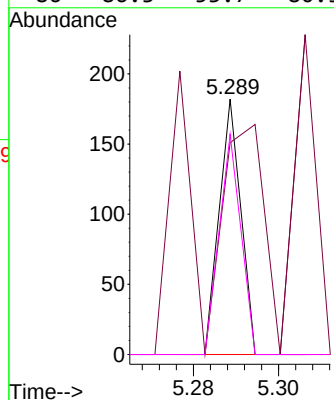


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :
TP-1

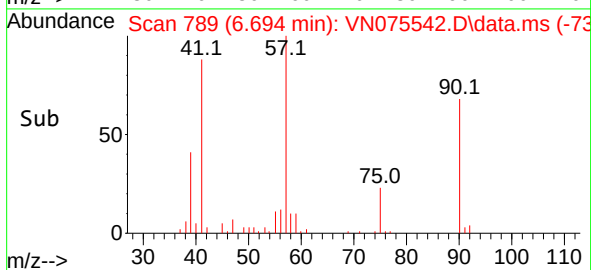
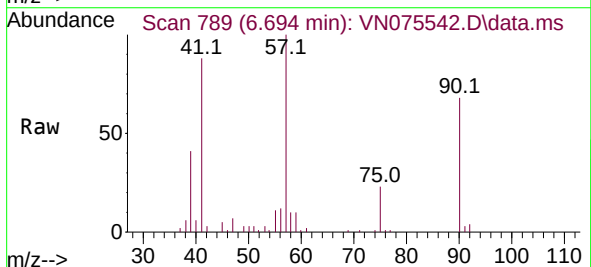
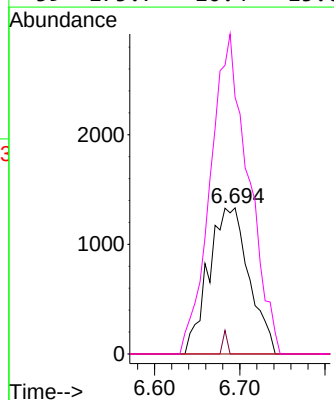


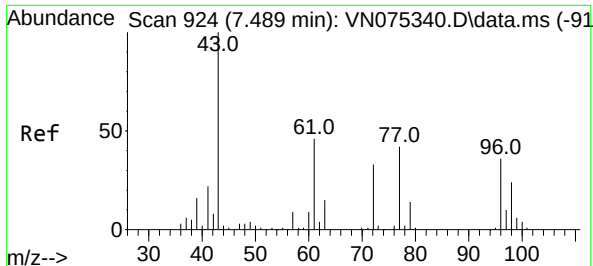
Tgt Ion:	84	Resp:	64
Ion	Ratio	Lower	Upper
84	100		
49	83.0	94.9	142.3#
51	0.0	26.8	40.2#
86	86.3	53.7	80.5#



#22
Diisopropyl ether
Concen: 1.038 ug/l
RT: 6.694 min Scan# 789
Delta R.T. 0.017 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion:	45	Resp:	4387
Ion	Ratio	Lower	Upper
45	100		
43	0.0	42.8	64.2#
87	0.0	28.4	42.6#
59	175.7	10.4	15.6#





#25

2-Butanone

Concen: 0.469 ug/l

RT: 7.518 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN075542.D

Acq: 02 Dec 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

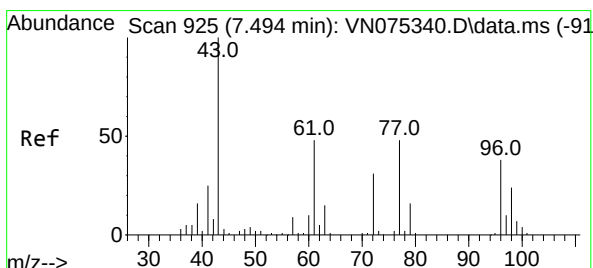
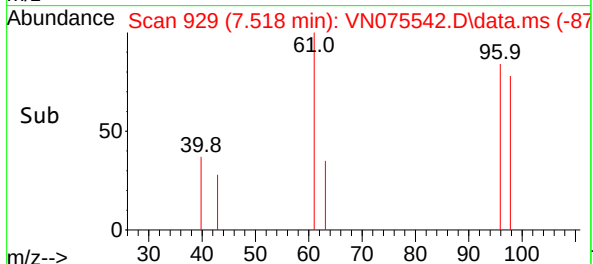
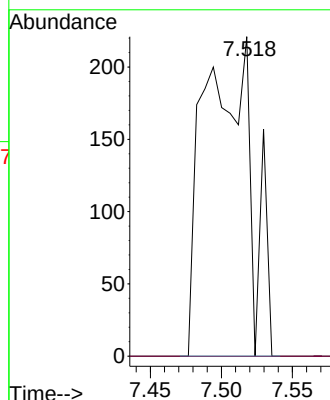
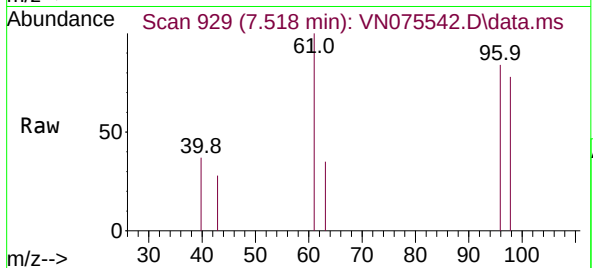
TP-1

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#27

cis-1,2-Dichloroethene

Concen: 2.545 ug/l

RT: 7.488 min Scan# 924

Delta R.T. -0.006 min

Lab File: VN075542.D

Acq: 02 Dec 2022 19:17

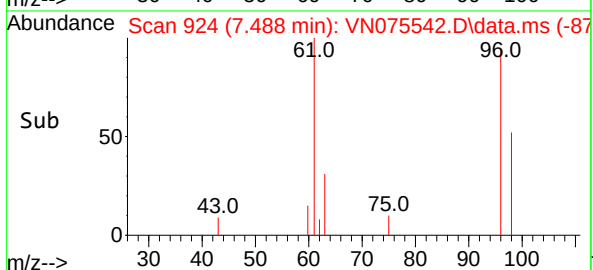
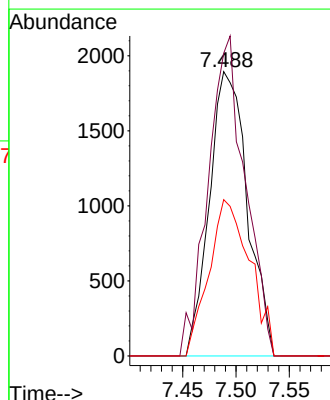
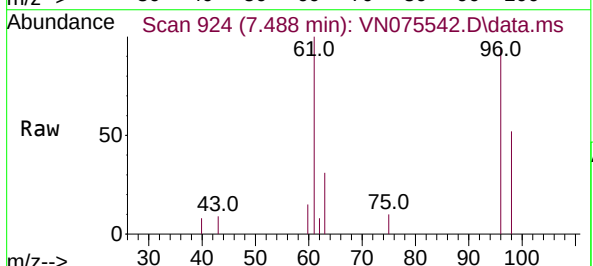
Tgt Ion: 96 Resp: 4694

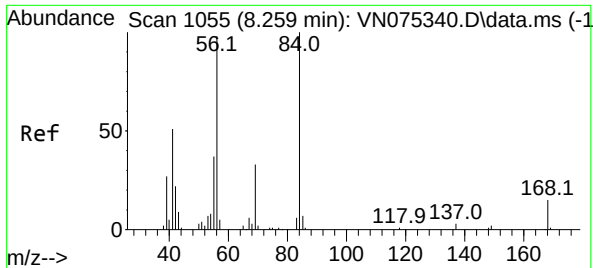
Ion Ratio Lower Upper

96 100

61 110.0 0.0 278.8

98 59.1 0.0 128.4

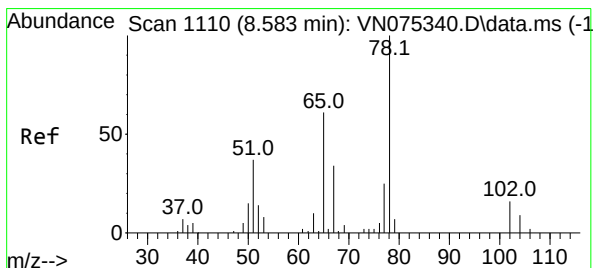
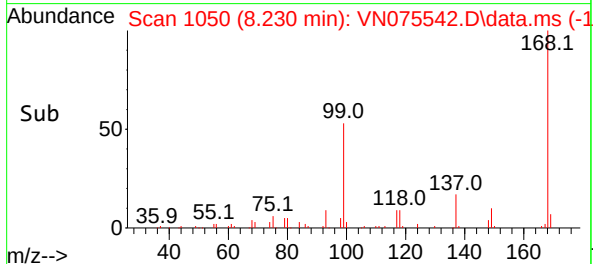
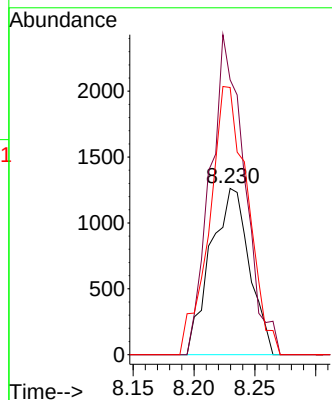
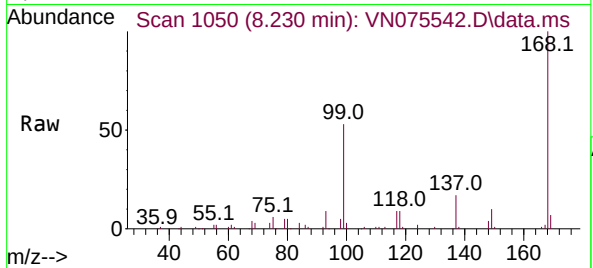




#31
Cyclohexane
Concen: 1.059 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

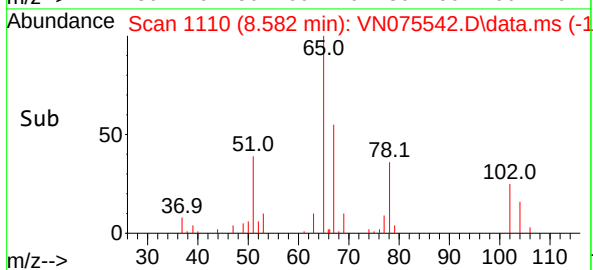
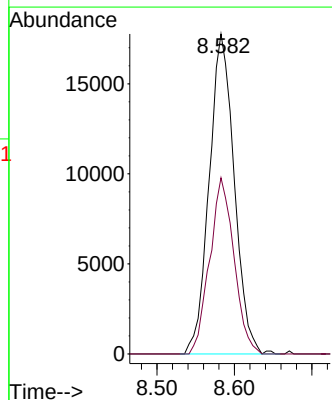
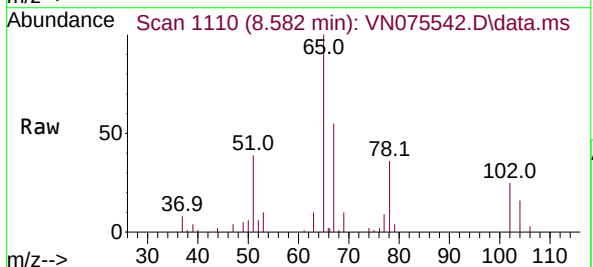
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TP-1

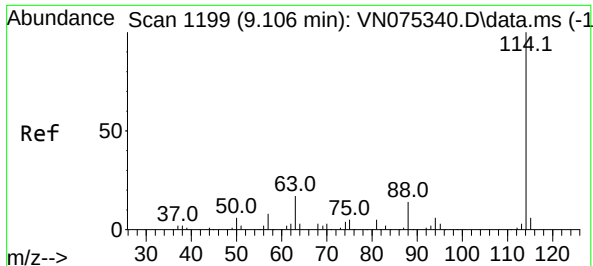
Tgt Ion: 56 Resp: 2791
Ion Ratio Lower Upper
56 100
69 165.3 25.2 37.8#
84 160.7 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 48.062 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion: 65 Resp: 39879
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.0

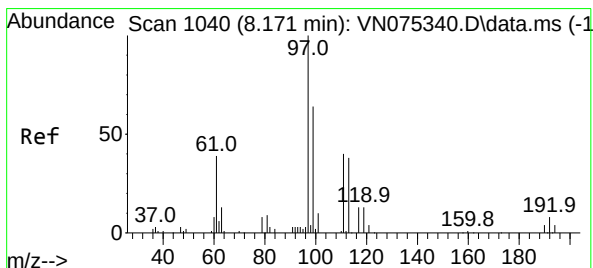
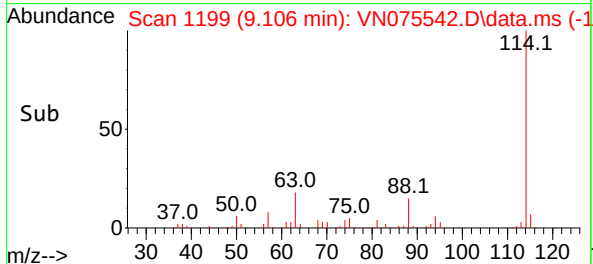
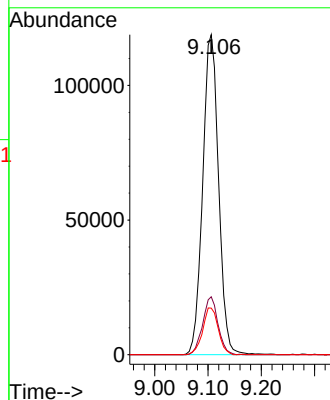
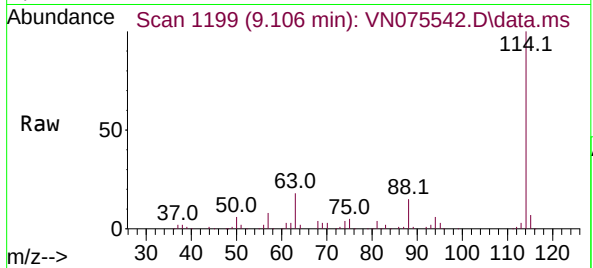




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

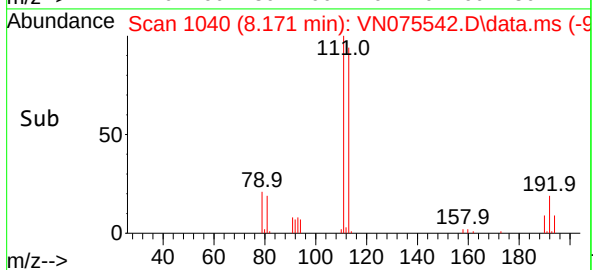
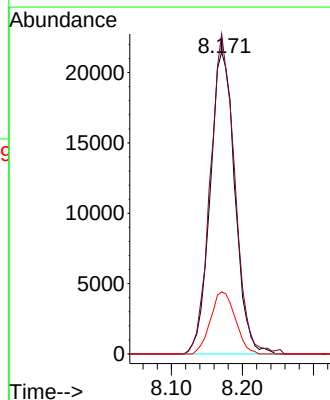
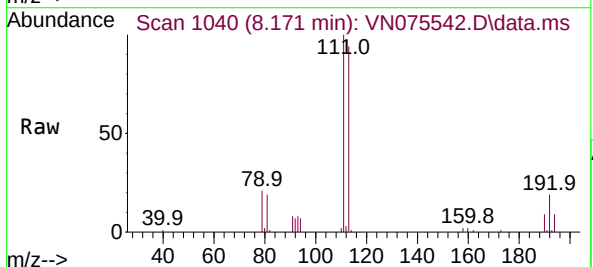
Instrument :
MSVOA_N
ClientSampleId :
TP-1

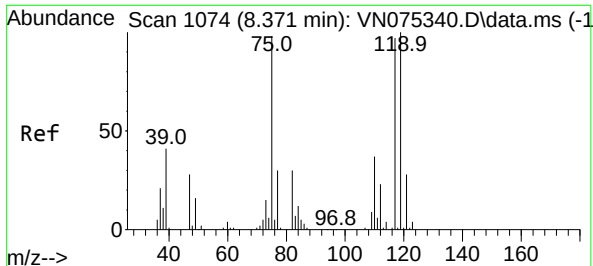
Tgt Ion:114 Resp: 246149
Ion Ratio Lower Upper
114 100
63 18.1 0.0 39.6
88 14.6 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.706 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion:113 Resp: 51931
Ion Ratio Lower Upper
113 100
111 104.5 80.5 120.7
192 20.6 13.2 19.8#





#36

1,1-Dichloropropene

Concen: 4.858 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN075542.D

Acq: 02 Dec 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

TP-1

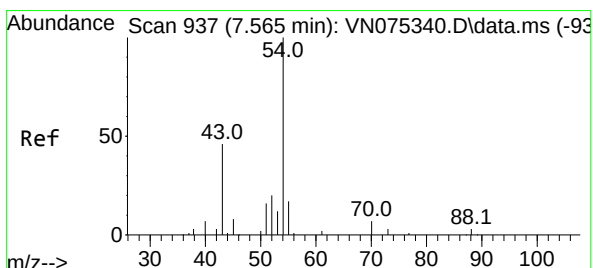
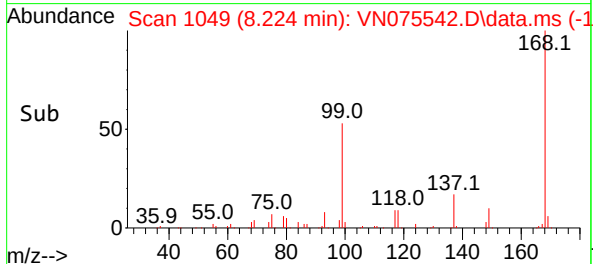
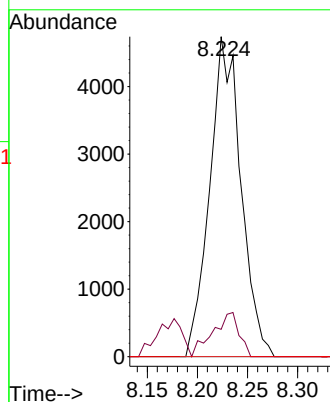
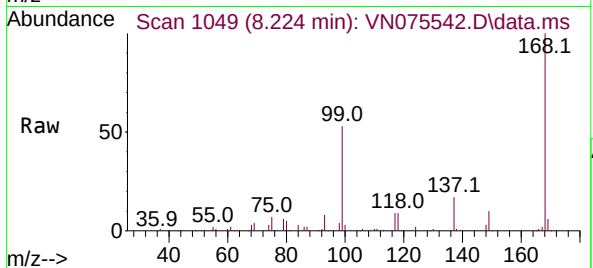
Tgt Ion: 75 Resp: 10244

Ion Ratio Lower Upper

75 100

110 11.7 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.267 ug/l

RT: 7.518 min Scan# 929

Delta R.T. -0.047 min

Lab File: VN075542.D

Acq: 02 Dec 2022 19:17

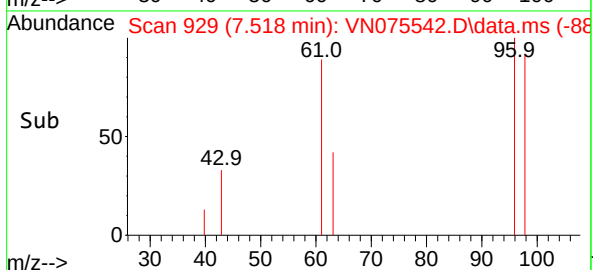
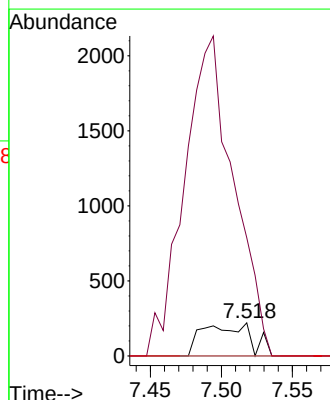
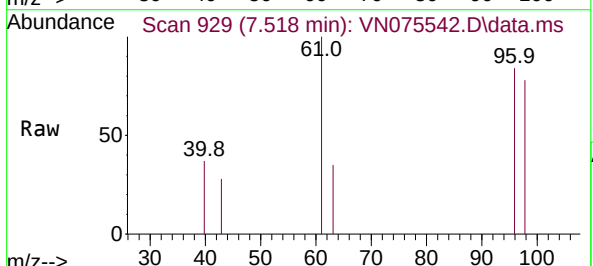
Tgt Ion: 43 Resp: 507

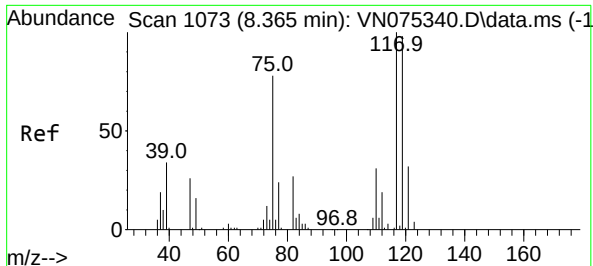
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

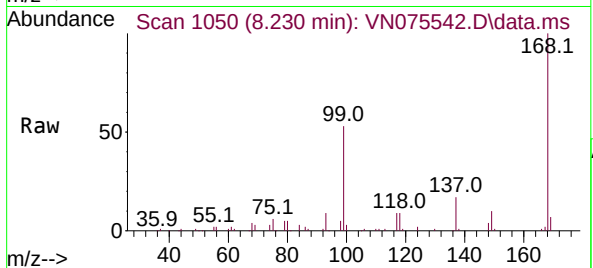
70 0.0 9.4 14.2#



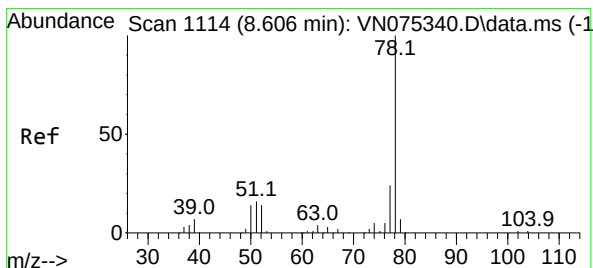
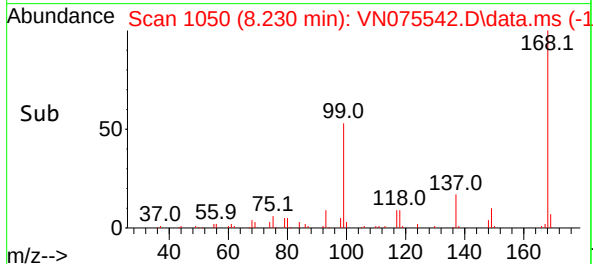
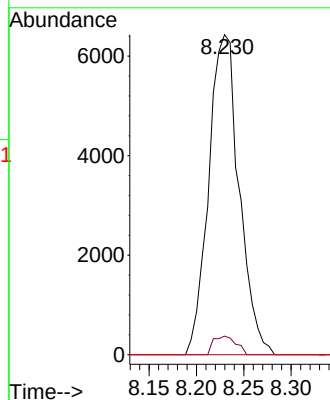


#38
Carbon Tetrachloride
Concen: 6.221 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :
TP-1

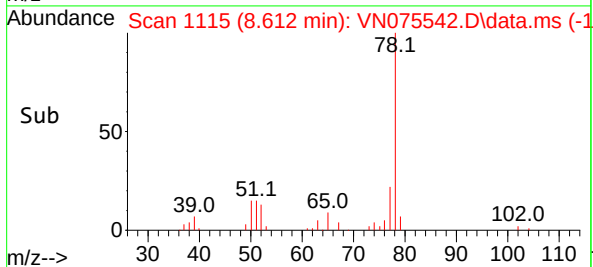
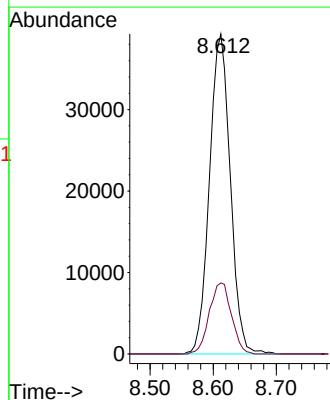
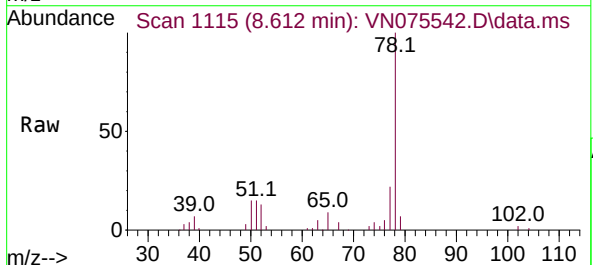


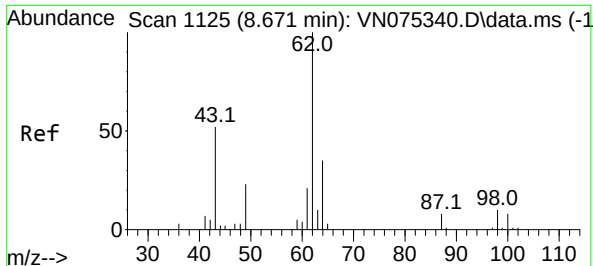
Tgt Ion:117 Resp: 14411
Ion Ratio Lower Upper
117 100
119 5.8 76.7 115.1#
121 0.0 23.9 35.9#



#40
Benzene
Concen: 13.921 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion: 78 Resp: 89878
Ion Ratio Lower Upper
78 100
77 22.2 19.4 29.0





#42

1,2-Dichloroethane

Concen: 0.309 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.059 min

Lab File: VN075542.D

Acq: 02 Dec 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

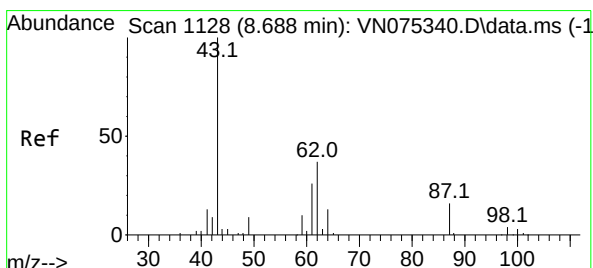
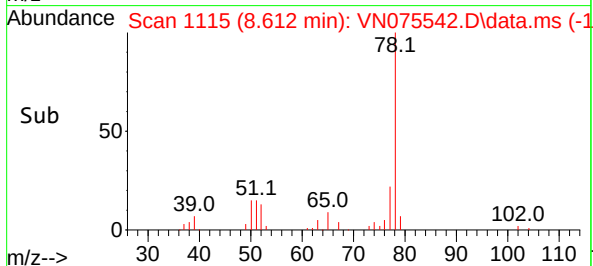
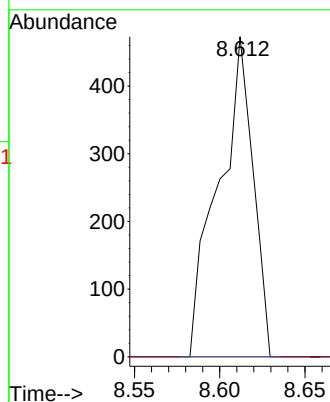
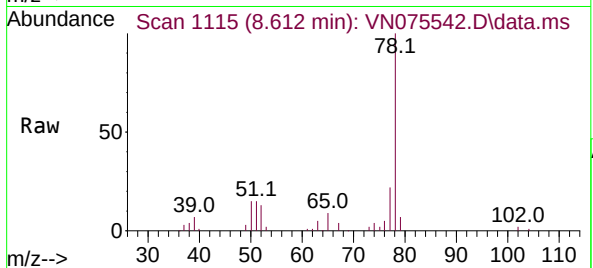
TP-1

Tgt Ion: 62 Resp: 669

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 0.582 ug/l

RT: 8.788 min Scan# 1145

Delta R.T. 0.100 min

Lab File: VN075542.D

Acq: 02 Dec 2022 19:17

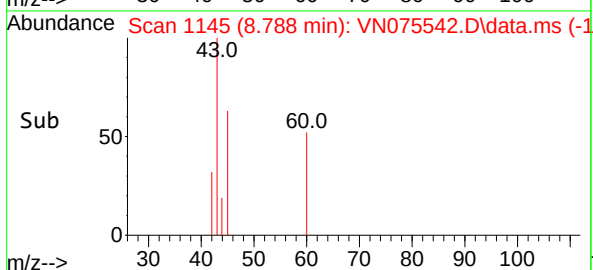
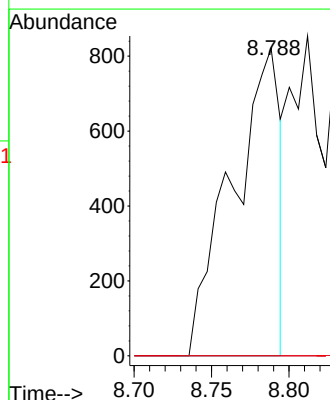
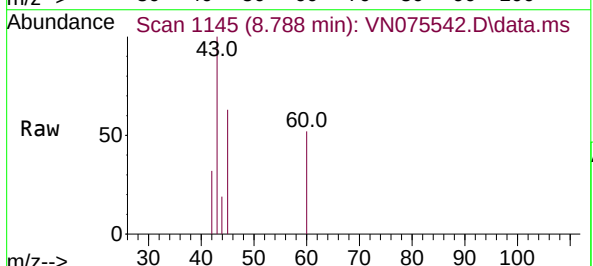
Tgt Ion: 43 Resp: 1773

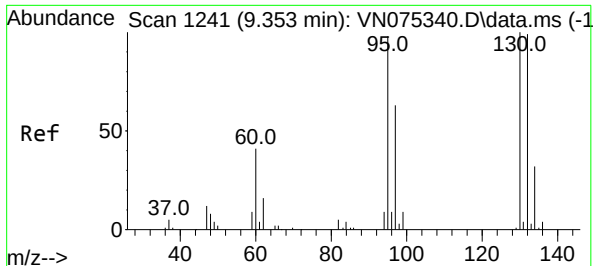
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#

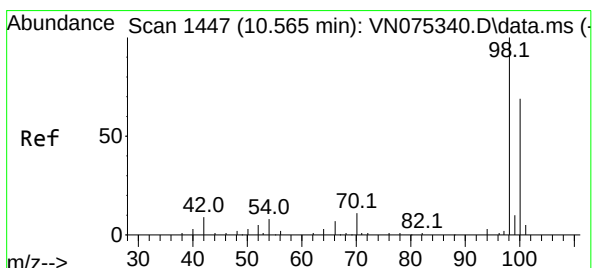
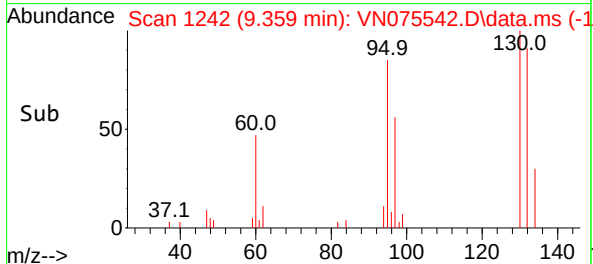
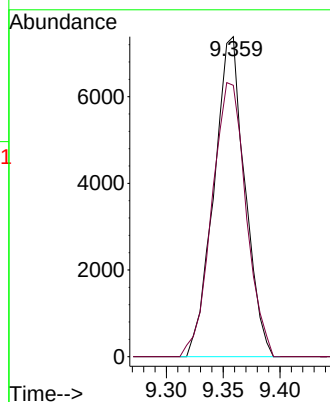
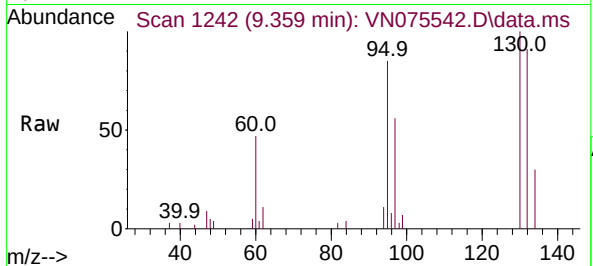




#44
Trichloroethene
Concen: 7.927 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

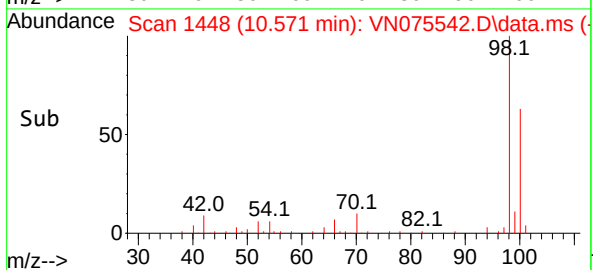
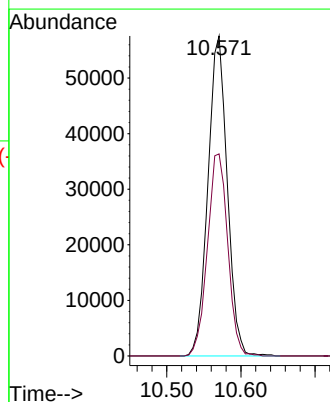
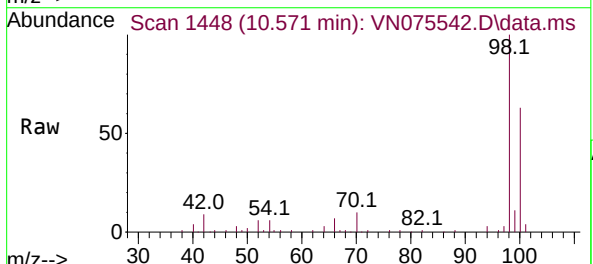
Instrument :
MSVOA_N
ClientSampleId :
TP-1

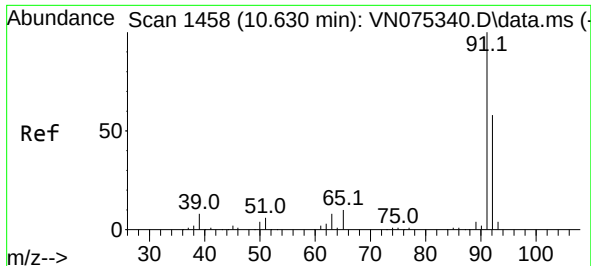
Tgt Ion:130 Resp: 14004
Ion Ratio Lower Upper
130 100
95 84.8 0.0 198.4



#50
Toluene-d8
Concen: 47.824 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion: 98 Resp: 104153
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6

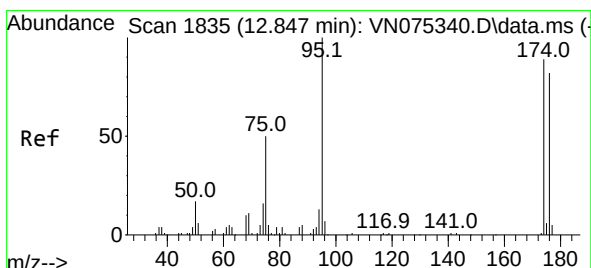
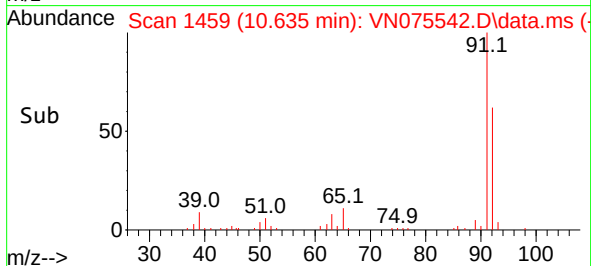
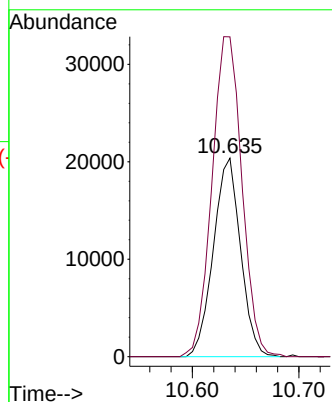
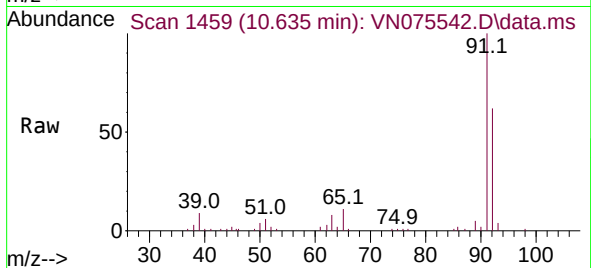




#52
Toluene
Concen: 8.687 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

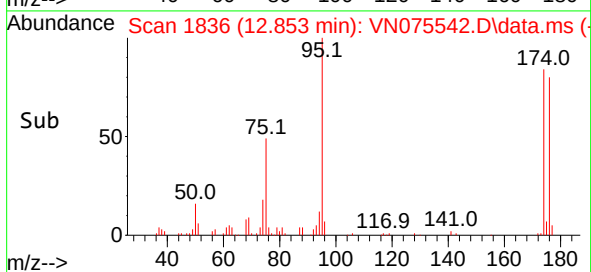
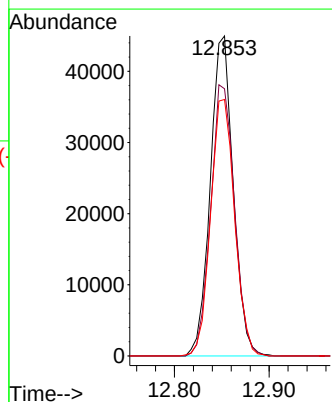
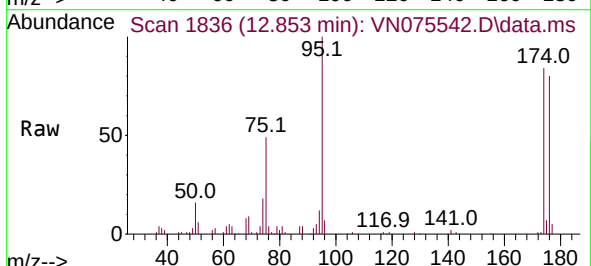
Instrument :
MSVOA_N
ClientSampleId :
TP-1

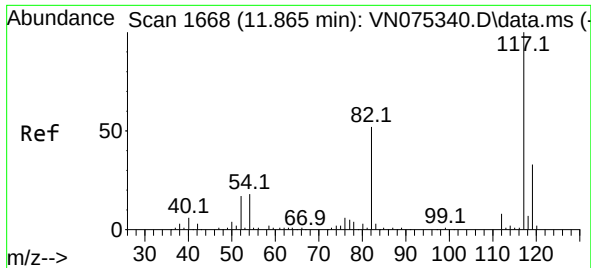
Tgt Ion: 92 Resp: 36143
Ion Ratio Lower Upper
92 100
91 177.2 135.4 203.2



#62
4-Bromofluorobenzene
Concen: 47.239 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion: 95 Resp: 75936
Ion Ratio Lower Upper
95 100
174 87.9 0.0 147.4
176 83.6 0.0 142.2

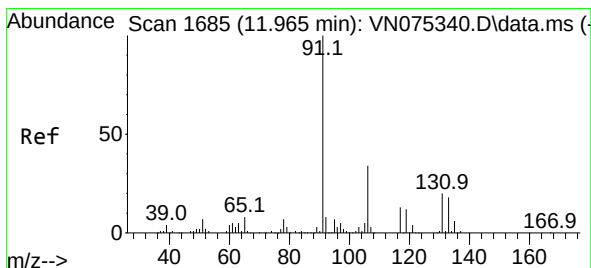
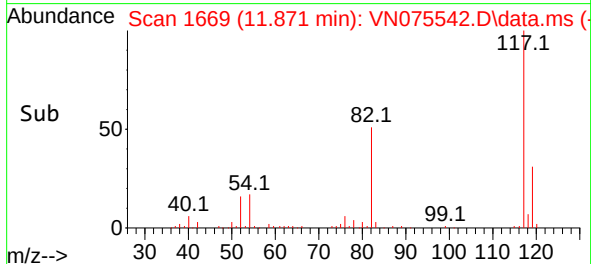
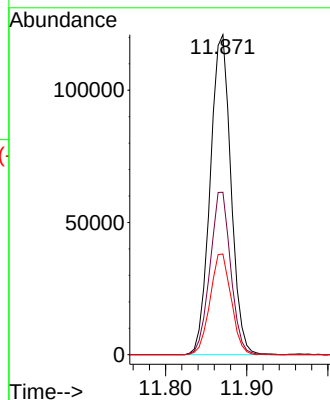
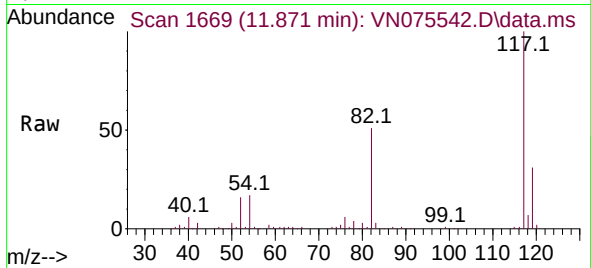




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

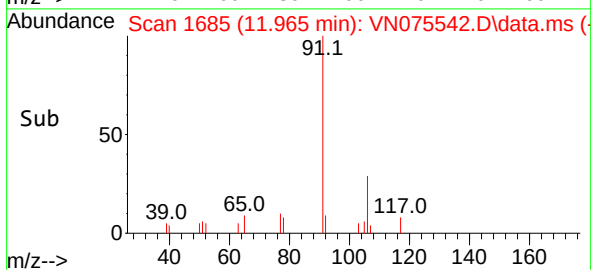
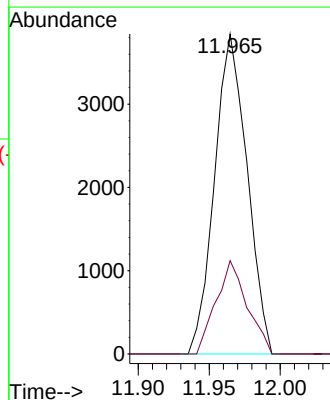
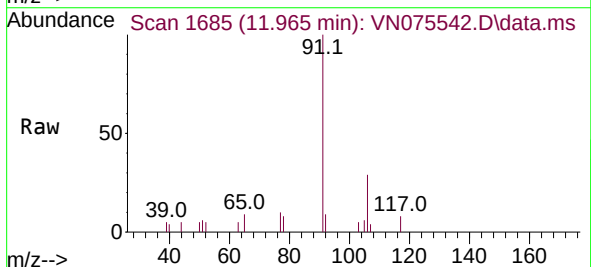
Instrument :
MSVOA_N
ClientSampleId :
TP-1

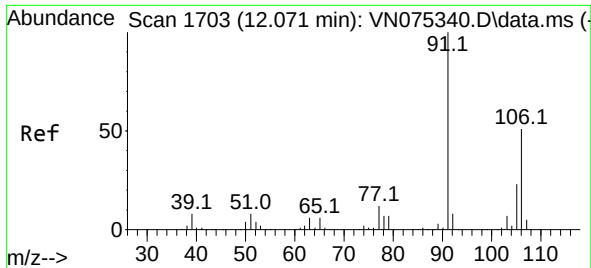
Tgt Ion:117 Resp: 214746
Ion Ratio Lower Upper
117 100
82 50.8 43.1 64.7
119 31.4 25.5 38.3



#67
Ethyl Benzene
Concen: 0.808 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion: 91 Resp: 6114
Ion Ratio Lower Upper
91 100
106 29.2 24.9 37.3

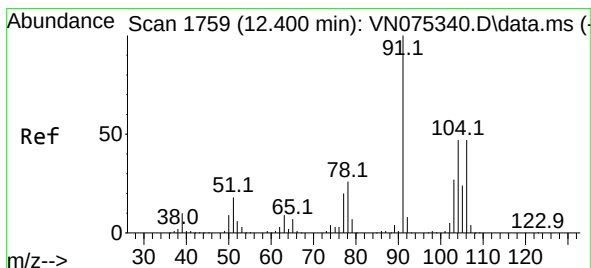
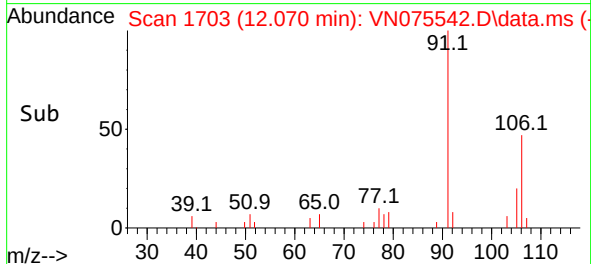
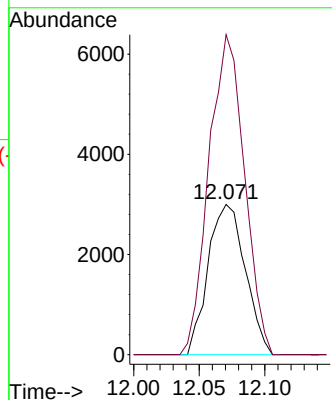
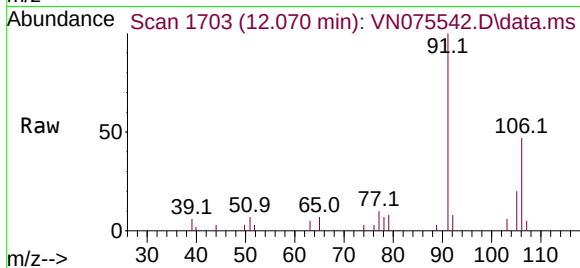




#68
m/p-Xylenes
Concen: 1.925 ug/l
RT: 12.070 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

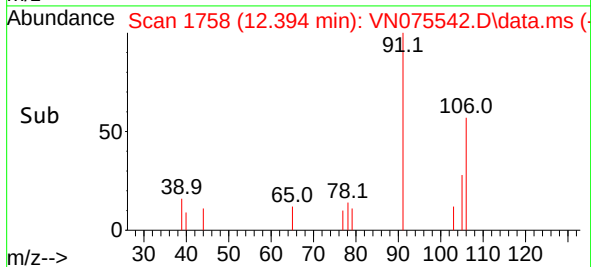
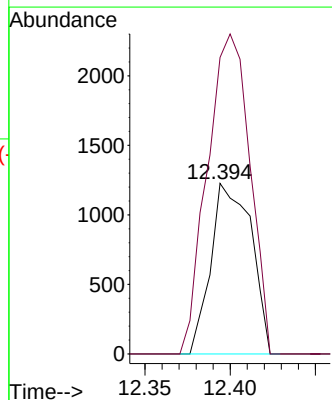
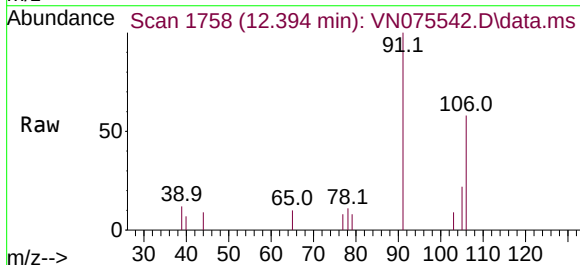
Instrument :
MSVOA_N
ClientSampleId :
TP-1

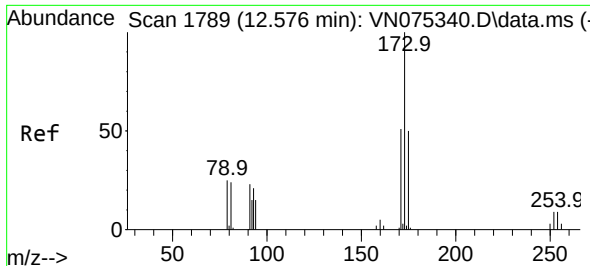
Tgt Ion:106 Resp: 5915
Ion Ratio Lower Upper
106 100
91 203.9 156.0 234.0



#69
o-Xylene
Concen: 0.662 ug/l
RT: 12.394 min Scan# 1758
Delta R.T. -0.006 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion:106 Resp: 2020
Ion Ratio Lower Upper
106 100
91 197.8 105.2 315.5

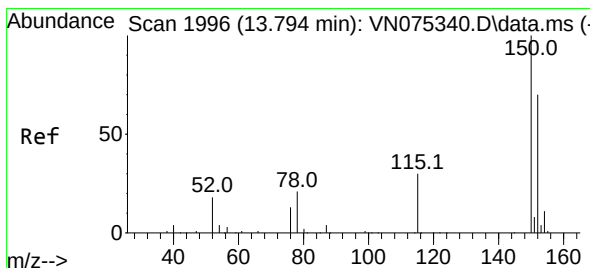
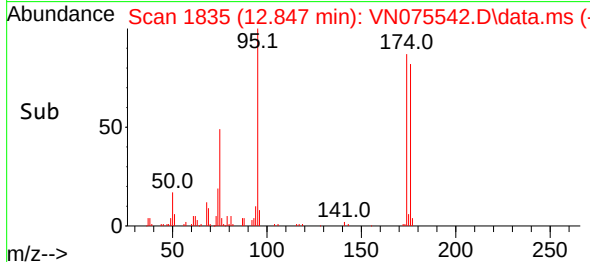
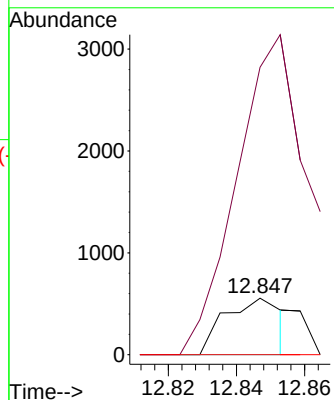
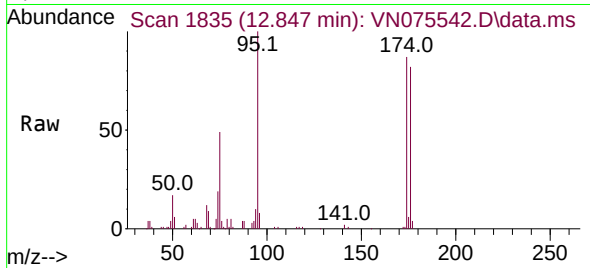




#71
Bromoform
Concen: 0.510 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

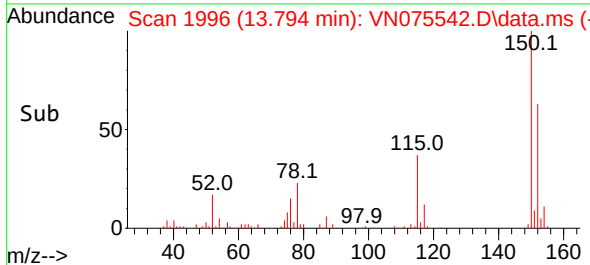
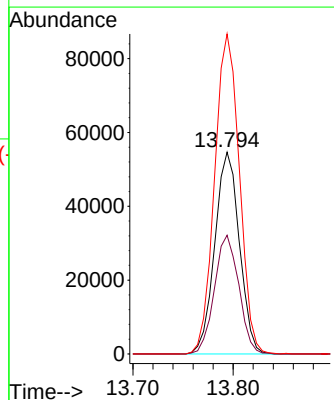
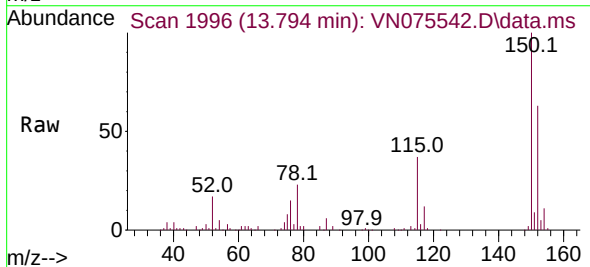
Instrument :
MSVOA_N
ClientSampleId :
TP-1

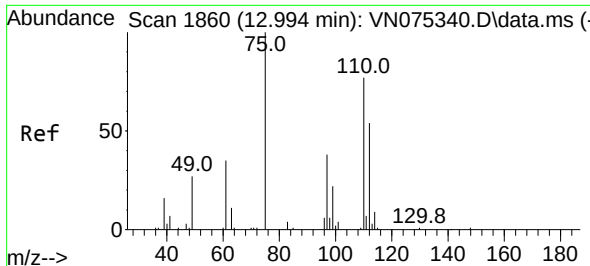
Tgt Ion:173 Resp: 642
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion:152 Resp: 92982
Ion Ratio Lower Upper
152 100
115 58.4 30.2 90.6
150 160.0 0.0 348.4

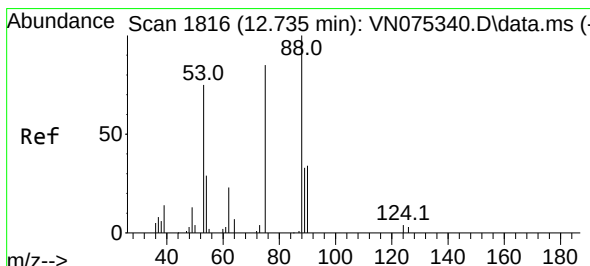
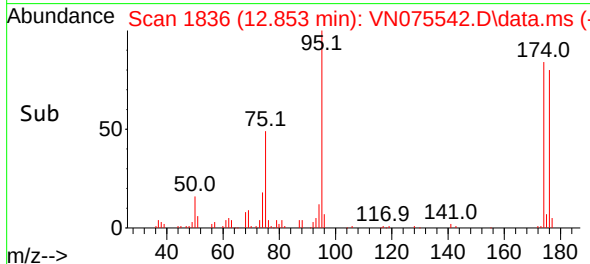
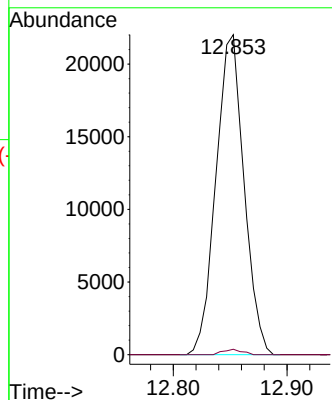
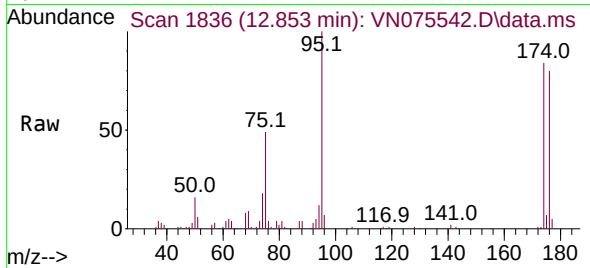




#76
1,2,3-Trichloropropane
Concen: 21.499 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 37796
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.610 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075542.D
Acq: 02 Dec 2022 19:17

Tgt Ion: 75 Resp: 37796
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

