

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075549.D
 Acq On : 02 Dec 2022 22:04
 Operator : JC\MD
 Sample : N5865-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01

Quant Time: Dec 03 00:40:00 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)

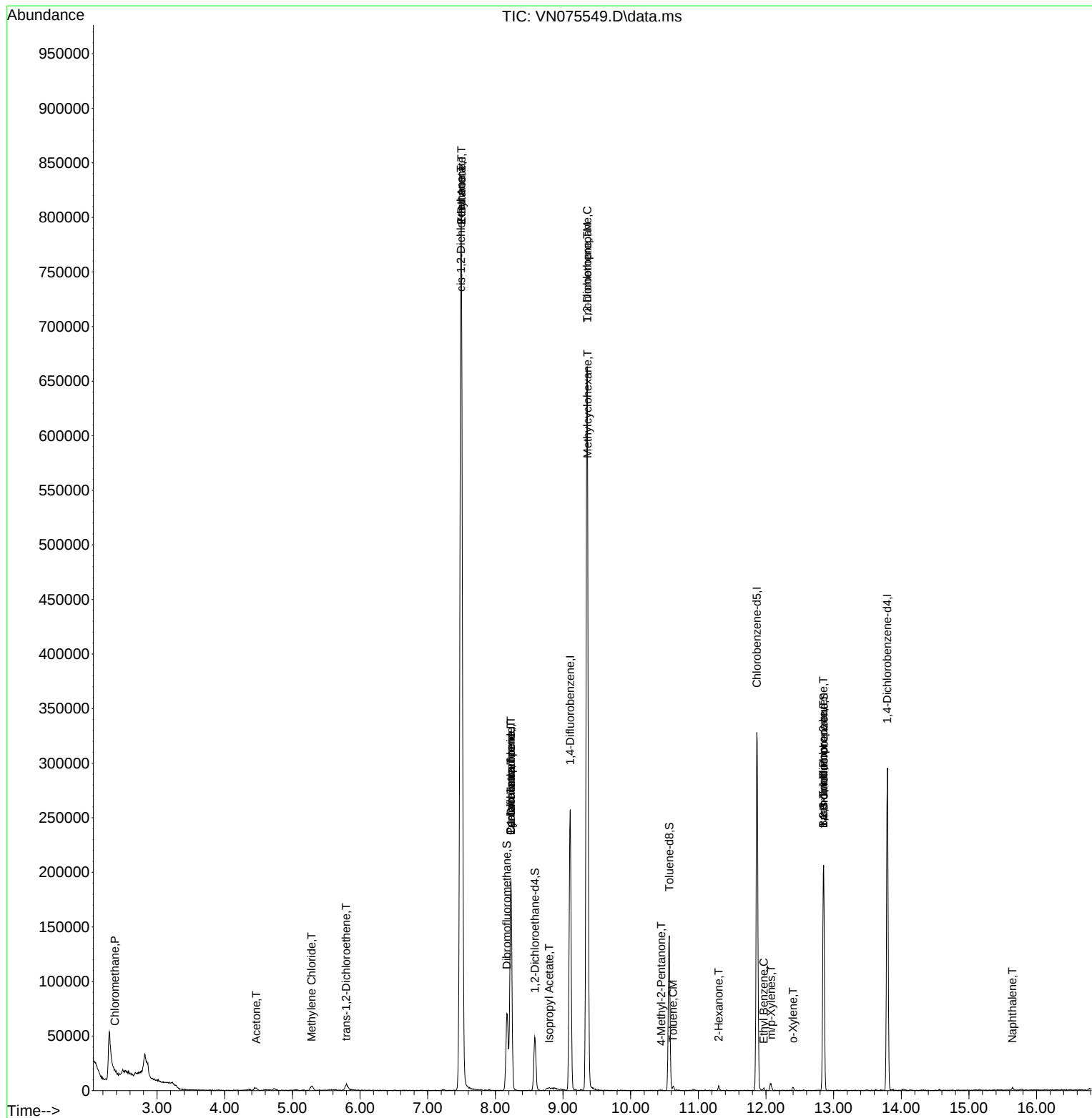
Internal Standards						
1) Pentafluorobenzene	8.230	168	152577	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	241952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	39325	48.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.040%		
35) Dibromofluoromethane	8.171	113	50146	52.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.520%		
50) Toluene-d8	10.571	98	101200	47.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.540%		
62) 4-Bromofluorobenzene	12.853	95	69661	44.087	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.180%		
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1619	1.115	ug/l	99
16) Acetone	4.465	43	5471	7.162	ug/l	# 79
18) Methyl Acetate	5.042	43	876	Below Cal	#	47
20) Methylene Chloride	5.283	84	3689	1.131	ug/l	# 81
21) trans-1,2-Dichloroethene	5.795	96	3911	2.429	ug/l	# 69
25) 2-Butanone	7.500	43	752	0.705	ug/l	# 1
27) cis-1,2-Dichloroethene	7.494	96	528634	290.331	ug/l	83
31) Cyclohexane	8.230	56	2489	0.957	ug/l	# 1
36) 1,1-Dichloropropene	8.230	75	9826	4.741	ug/l	# 50
37) Ethyl Acetate	7.500	43	752	0.403	ug/l	# 1
38) Carbon Tetrachloride	8.230	117	14857	6.525	ug/l	# 17
39) Methylcyclohexane	9.365	83	2757	1.063	ug/l	# 1
43) Isopropyl Acetate	8.794	43	2944	0.983	ug/l	# 55
44) Trichloroethene	9.359	130	259447	149.411	ug/l	90
45) 1,2-Dichloropropane	9.359	63	576	0.381	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.453	43	627	0.329	ug/l	# 50
52) Toluene	10.624	92	2080	0.509	ug/l	99
59) 2-Hexanone	11.300	43	640	0.447	ug/l	# 35
67) Ethyl Benzene	11.965	91	2008	0.272	ug/l	98
68) m/p-Xylenes	12.076	106	2933	0.977	ug/l	80
69) o-Xylene	12.400	106	1145	0.384	ug/l	97
71) Bromoform	12.847	173	386	0.314	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	35505	21.836	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	35505	64.609	ug/l	# 10
95) Naphthalene	15.641	128	2646	0.573	ug/l	# 97

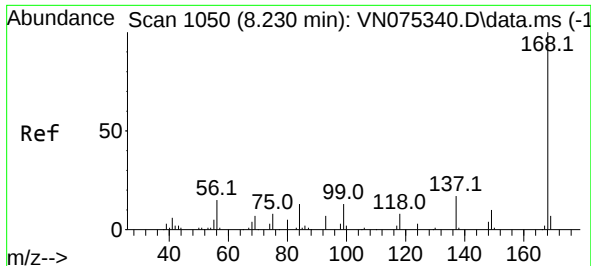
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

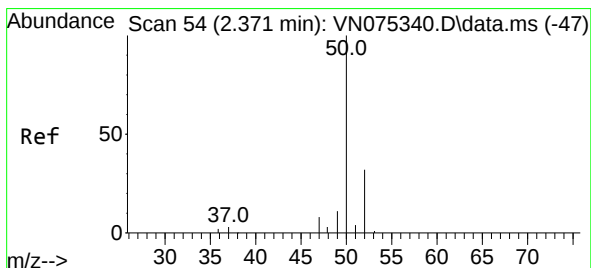
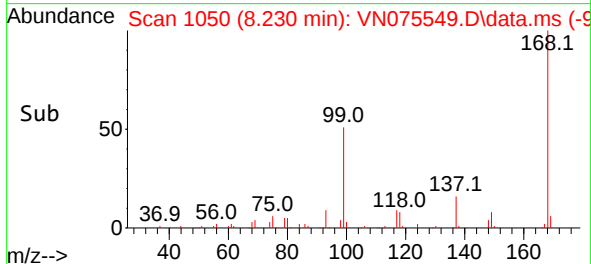
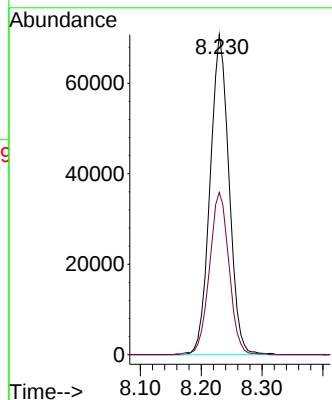
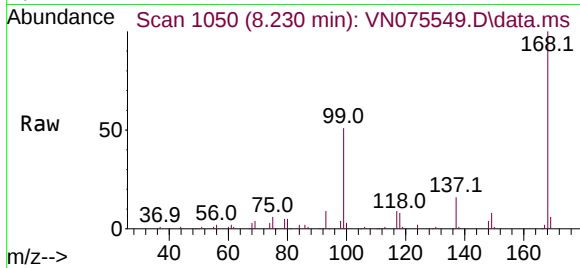




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

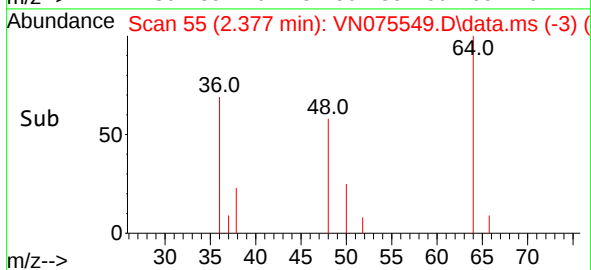
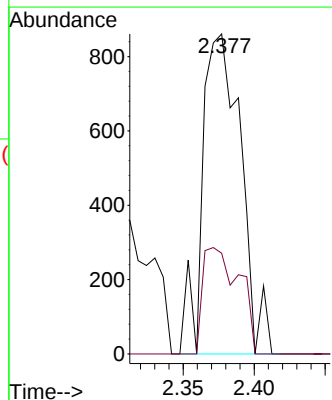
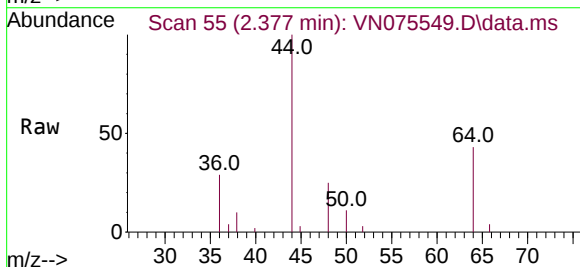
Instrument :
MSVOA_N
ClientSampleId :
EB-01

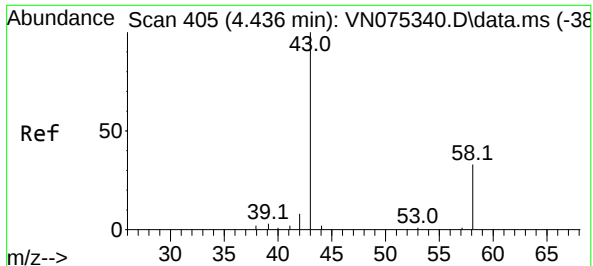
Tgt Ion:168 Resp: 152577
Ion Ratio Lower Upper
168 100
99 50.7 51.6 77.4#



#3
Chloromethane
Concen: 1.115 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion: 50 Resp: 1619
Ion Ratio Lower Upper
50 100
52 31.5 25.8 38.6

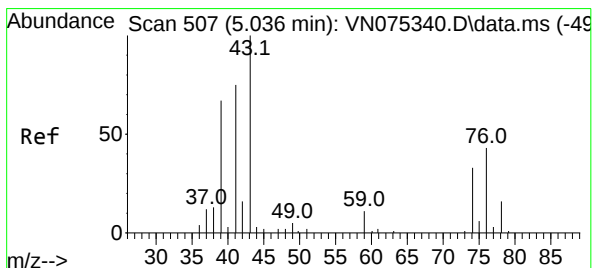
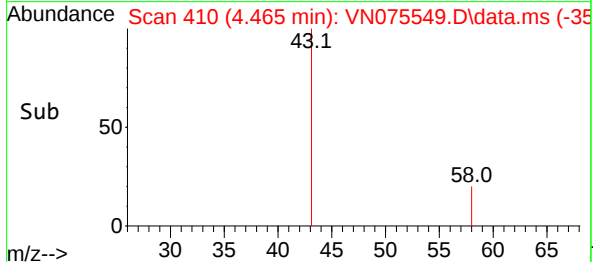
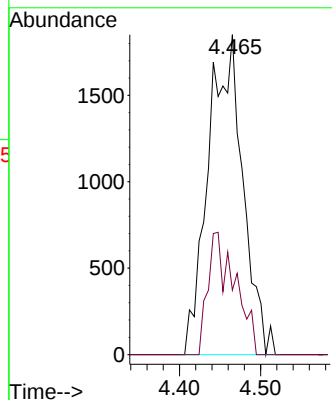
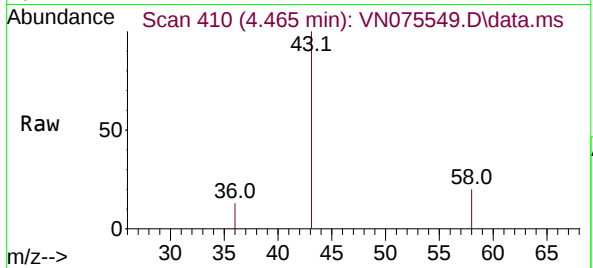




#16
Acetone
Concen: 7.162 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.029 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

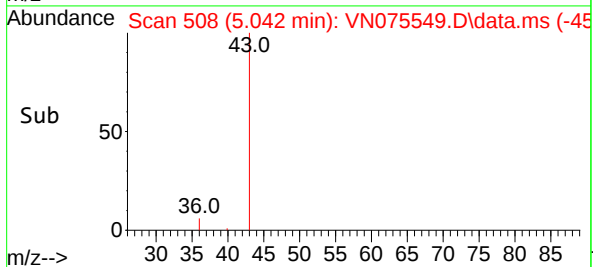
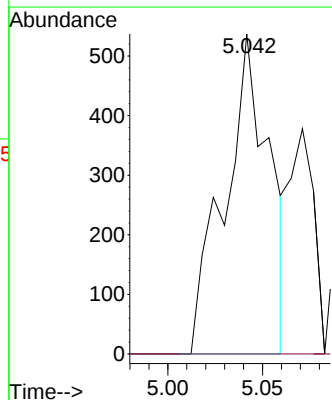
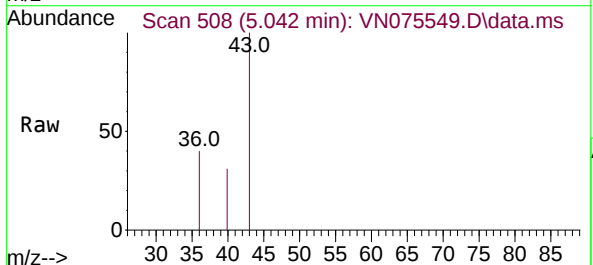
Instrument :
MSVOA_N
ClientSampleId :
EB-01

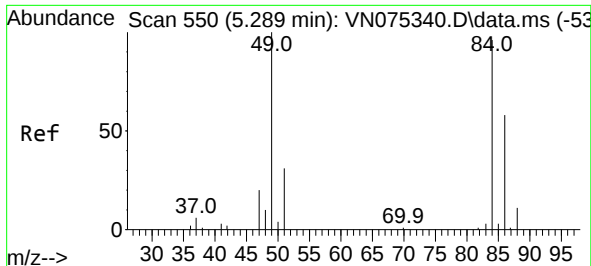
Tgt Ion: 43 Resp: 5471
Ion Ratio Lower Upper
43 100
58 20.2 25.5 38.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#

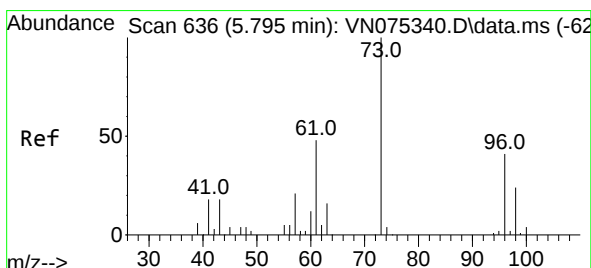
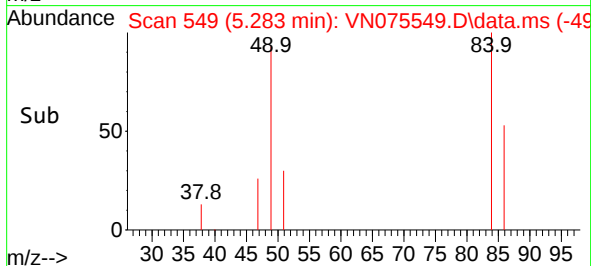
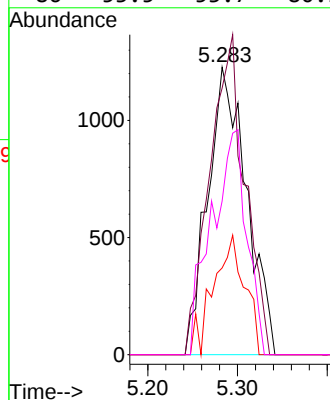
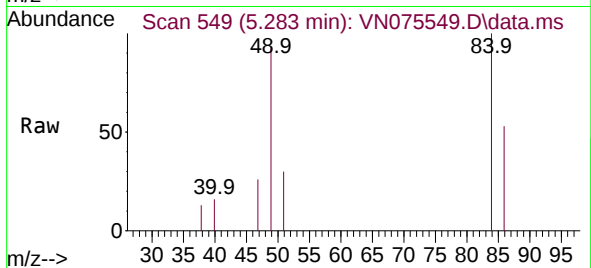




#20
Methylene Chloride
Concen: 1.131 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

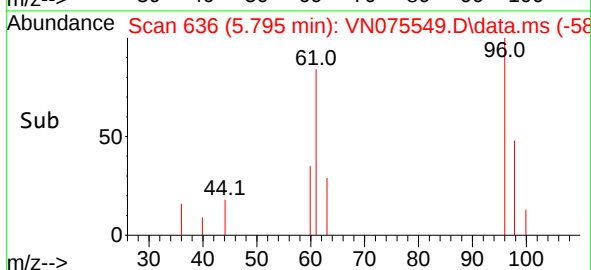
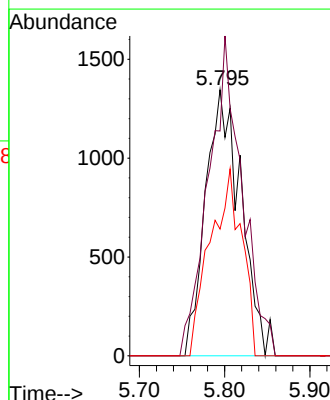
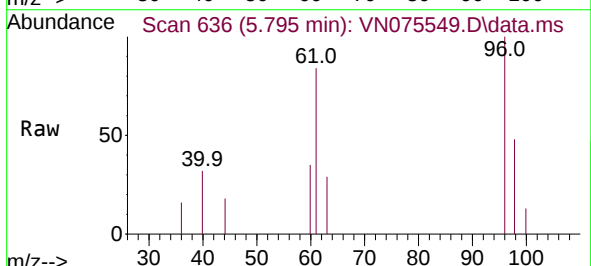
Instrument :
MSVOA_N
ClientSampleId :
EB-01

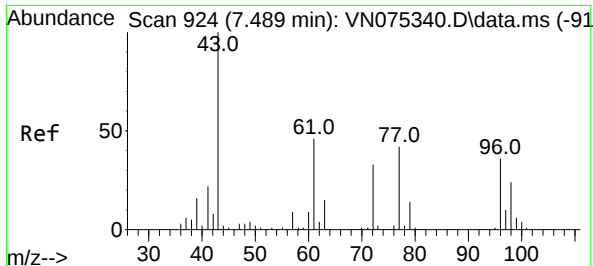
Tgt Ion: 84	Resp: 3689
Ion Ratio	Lower Upper
84 100	
49 92.7	94.9 142.3#
51 30.2	26.8 40.2
86 53.5	53.7 80.5#



#21
trans-1,2-Dichloroethene
Concen: 2.429 ug/l
RT: 5.795 min Scan# 636
Delta R.T. -0.000 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion: 96	Resp: 3911
Ion Ratio	Lower Upper
96 100	
61 84.5	99.9 149.9#
98 47.6	51.5 77.3#





#25

2-Butanone

Concen: 0.705 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

Instrument :

MSVOA_N

ClientSampleId :

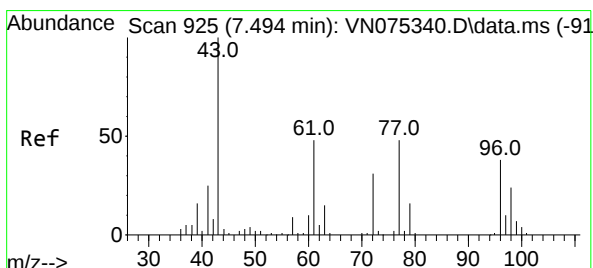
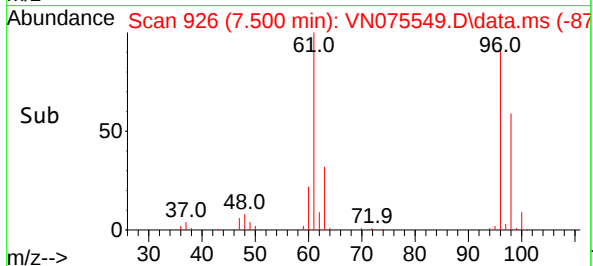
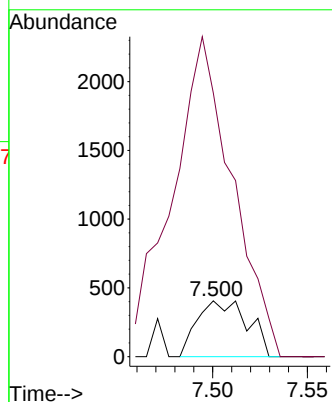
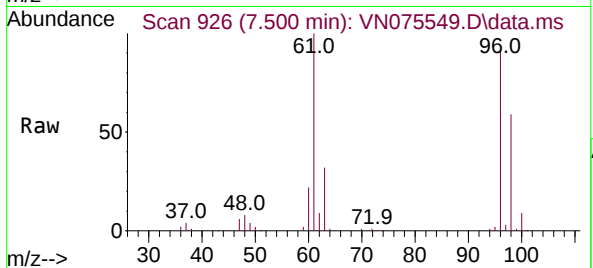
EB-01

Tgt Ion: 43 Resp: 752

Ion Ratio Lower Upper

43 100

72 472.2 25.5 38.3#



#27

cis-1,2-Dichloroethene

Concen: 290.331 ug/l

RT: 7.494 min Scan# 925

Delta R.T. 0.000 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

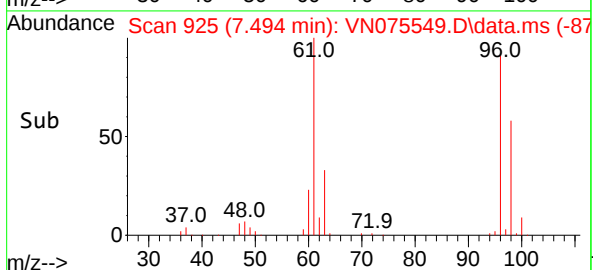
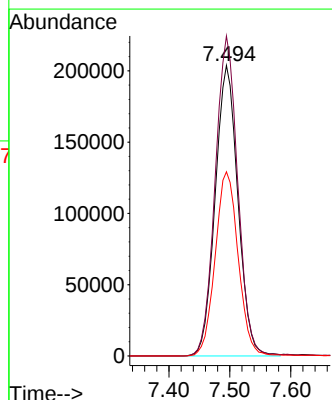
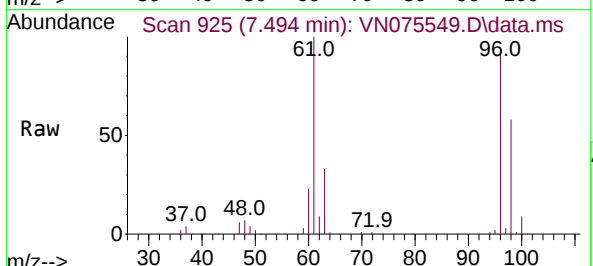
Tgt Ion: 96 Resp: 528634

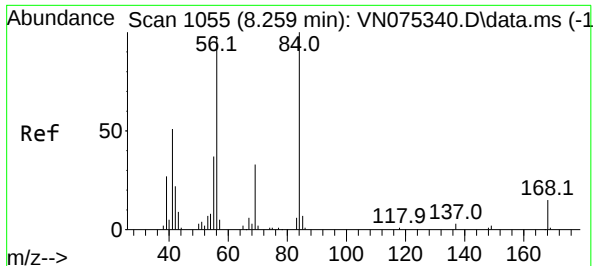
Ion Ratio Lower Upper

96 100

61 109.4 0.0 278.8

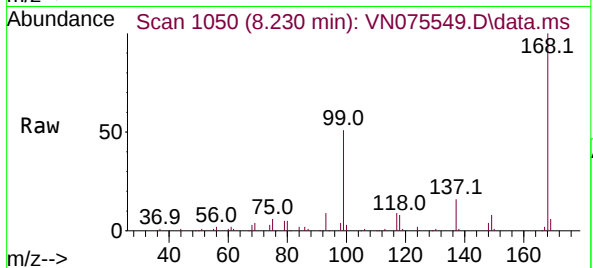
98 64.3 0.0 128.4





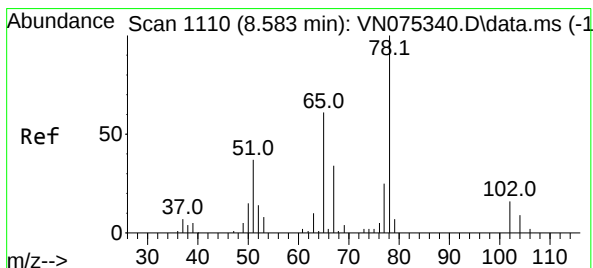
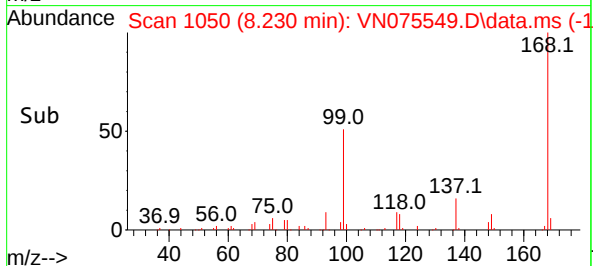
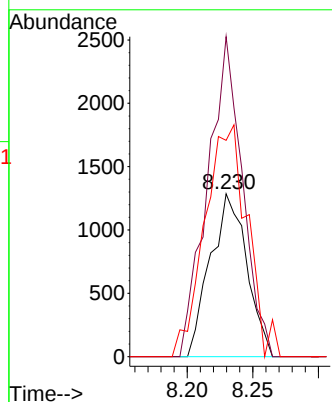
#31
Cyclohexane
Concen: 0.957 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Instrument :
MSVOA_N
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EB-01



Tgt Ion: 56 Resp: 2489

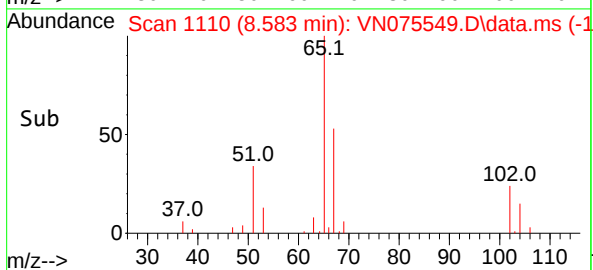
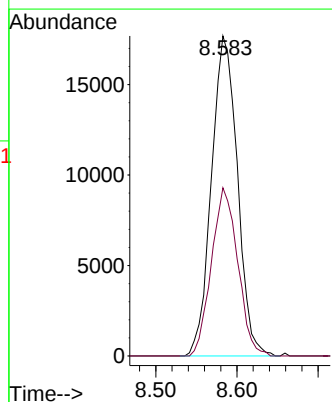
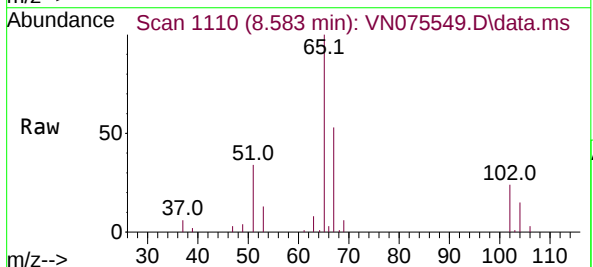
Ion	Ratio	Lower	Upper
56	100		
69	196.4	25.2	37.8#
84	132.8	77.8	116.8#

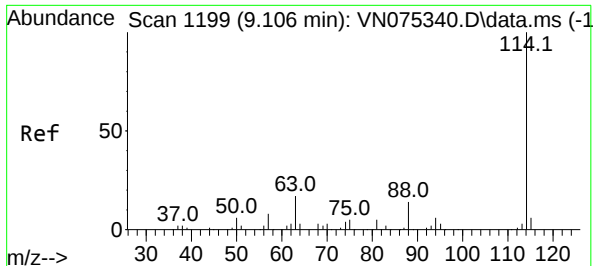


#33
1,2-Dichloroethane-d4
Concen: 48.015 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion: 65 Resp: 39325

Ion	Ratio	Lower	Upper
65	100		
67	53.1	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: VN075549.D

Acq: 02 Dec 2022 22:04

Instrument :

MSVOA_N

ClientSampleId :

EB-01

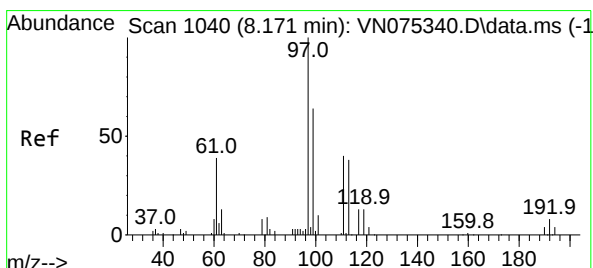
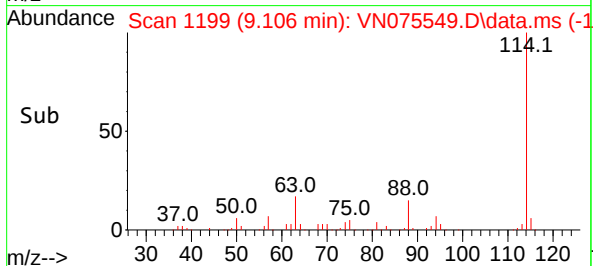
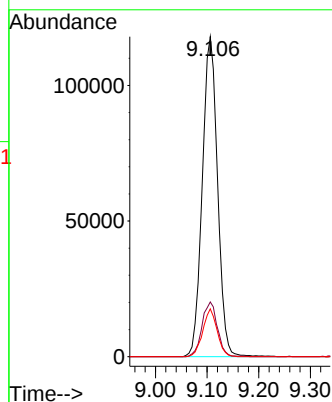
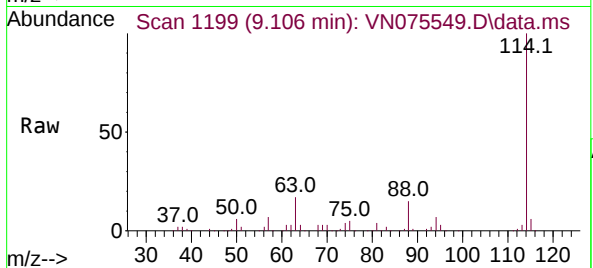
Tgt Ion:114 Resp: 241952

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.759 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

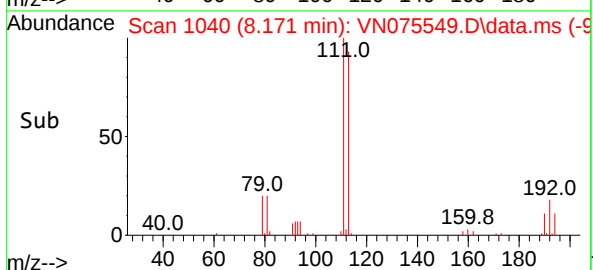
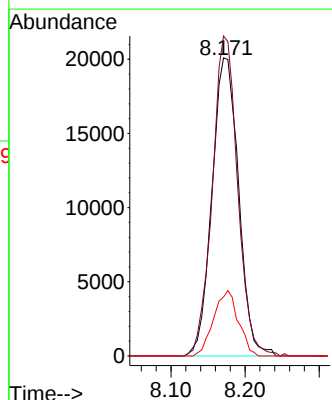
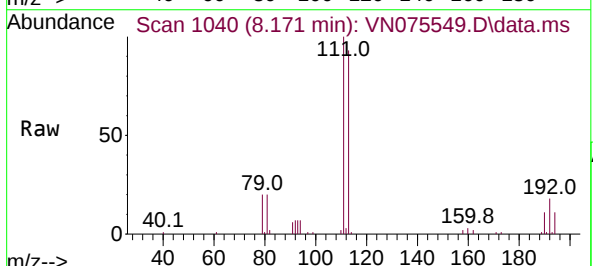
Tgt Ion:113 Resp: 50146

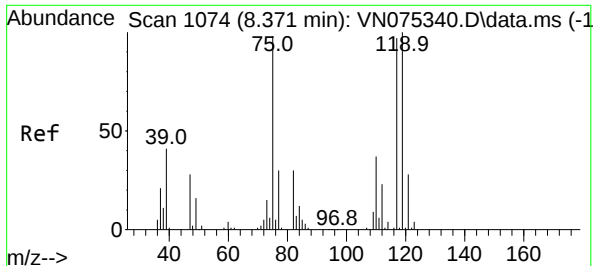
Ion Ratio Lower Upper

113 100

111 102.1 80.5 120.7

192 20.4 13.2 19.8#





#36

1,1-Dichloropropene

Concen: 4.741 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

Instrument :

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ClientSampleId :

EB-01

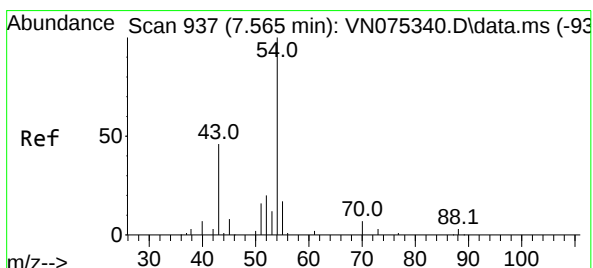
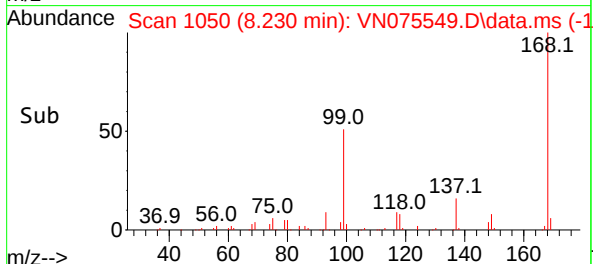
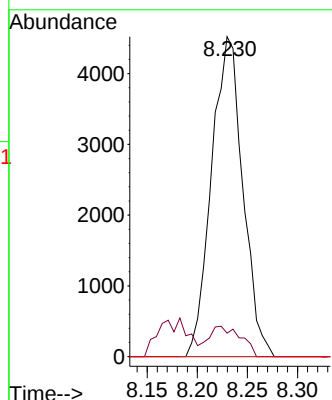
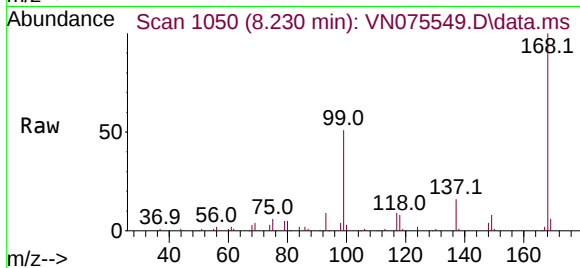
Tgt Ion: 75 Resp: 9826

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.403 ug/l

RT: 7.500 min Scan# 926

Delta R.T. -0.065 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

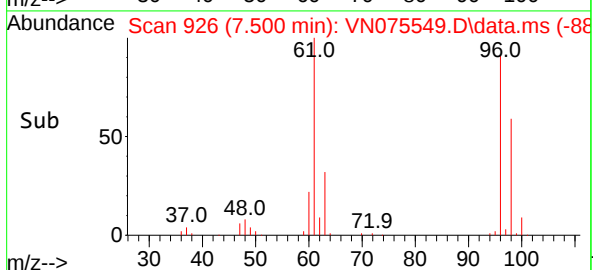
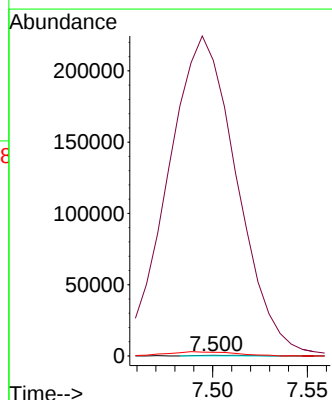
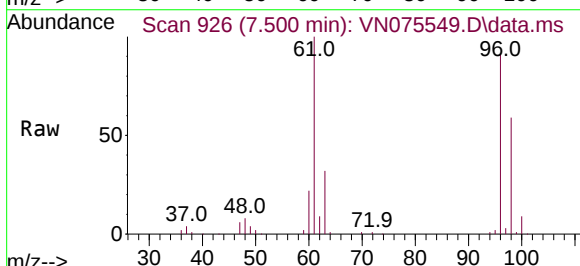
Tgt Ion: 43 Resp: 752

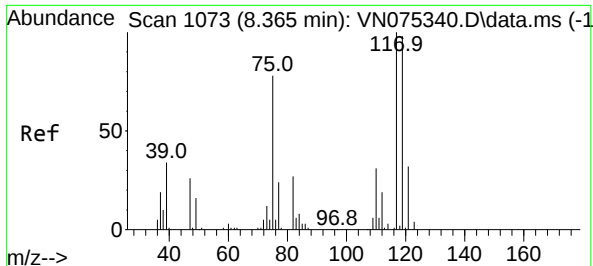
Ion Ratio Lower Upper

43 100

61 76937.8 12.2 18.4#

70 1001.9 9.4 14.2#

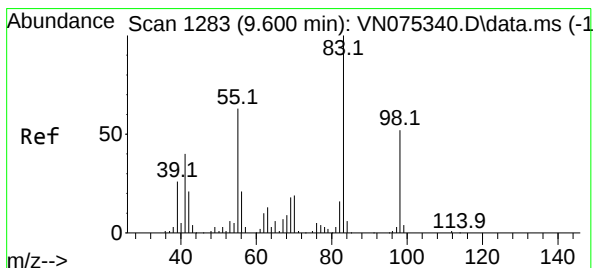
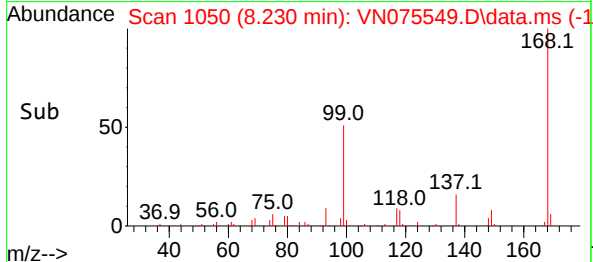
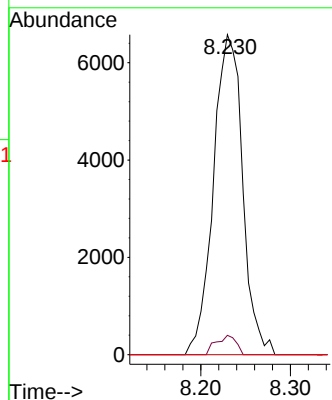
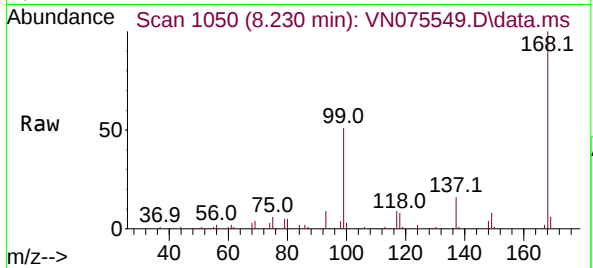




#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

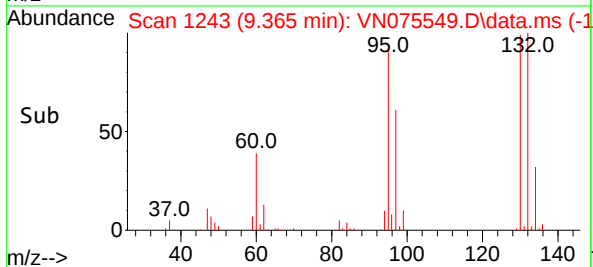
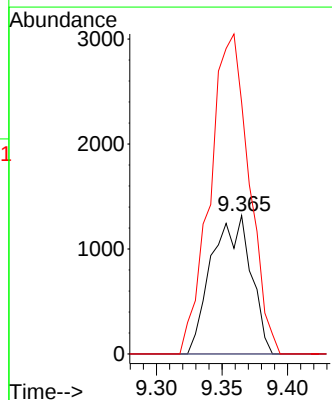
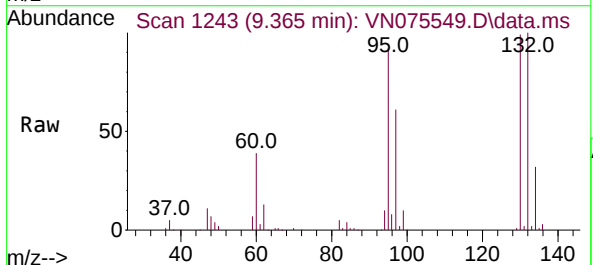
Instrument :
MSVOA_N
ClientSampleId :
EB-01

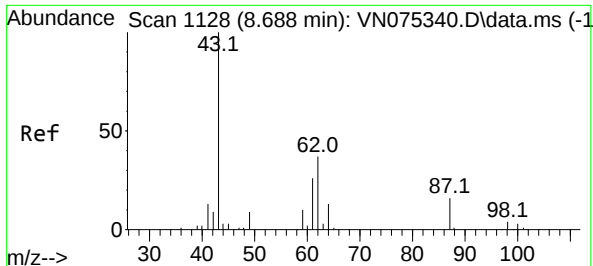
Tgt Ion:117 Resp: 14857
Ion Ratio Lower Upper
117 100
119 6.1 76.7 115.1#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 1.063 ug/l
RT: 9.365 min Scan# 1243
Delta R.T. -0.235 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion: 83 Resp: 2757
Ion Ratio Lower Upper
83 100
55 0.0 53.6 80.4#
98 181.5 41.1 61.7#

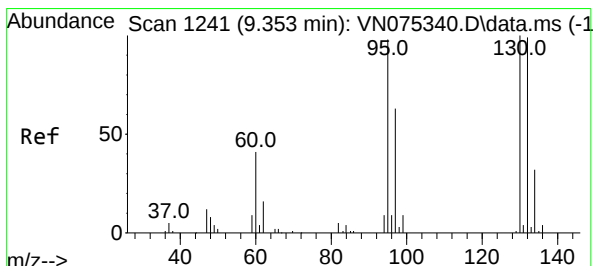
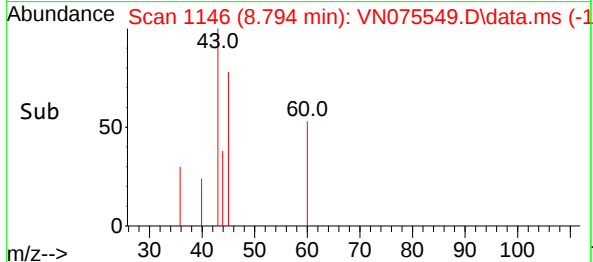
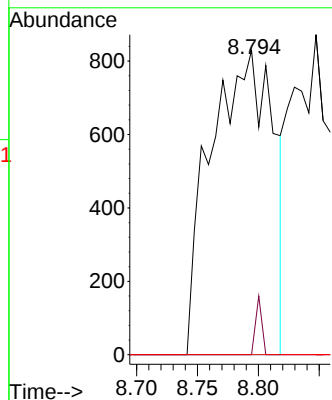
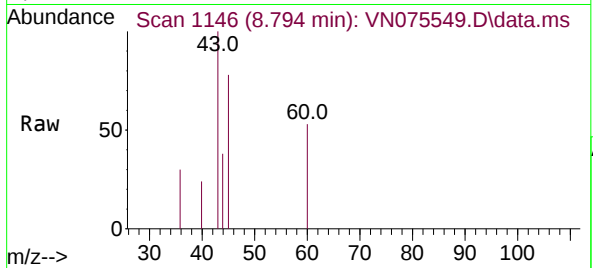




#43
Isopropyl Acetate
Concen: 0.983 ug/l
RT: 8.794 min Scan# 1128
Delta R.T. 0.106 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

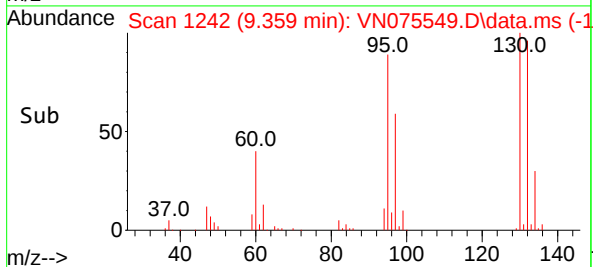
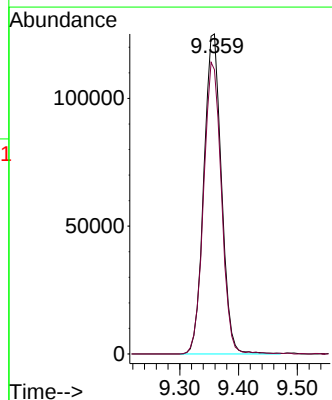
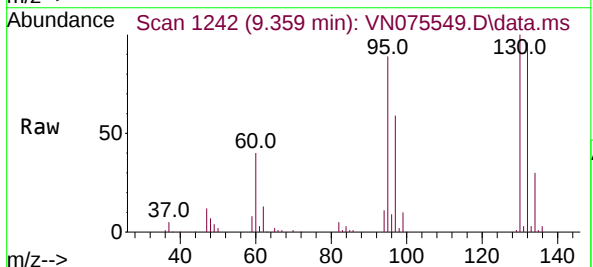
Instrument :
MSVOA_N
ClientSampleId :
EB-01

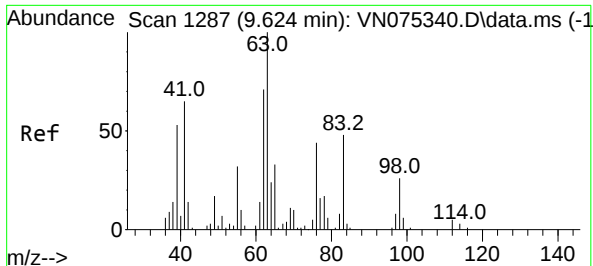
Tgt Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
61 1.9 22.4 33.6#
87 0.0 12.5 18.7#



#44
Trichloroethene
Concen: 149.411 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion:130 Resp: 259447
Ion Ratio Lower Upper
130 100
95 88.9 0.0 198.4





#45

1,2-Dichloropropane

Concen: 0.381 ug/l

RT: 9.359 min Scan# 1

Delta R.T. -0.265 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

Instrument :

MSVOA_N

ClientSampleId :

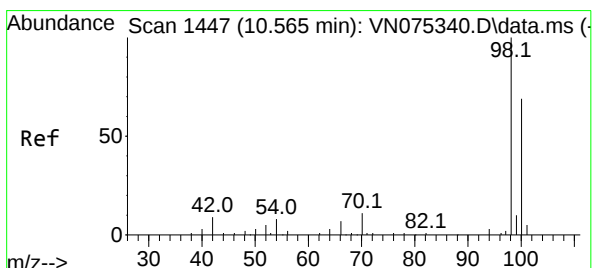
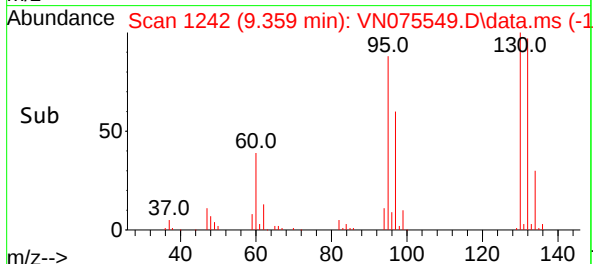
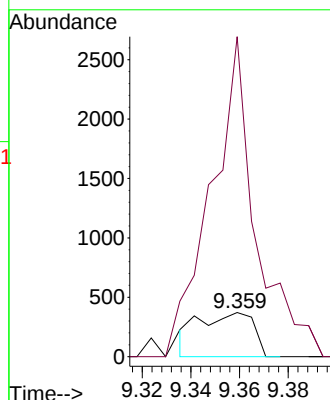
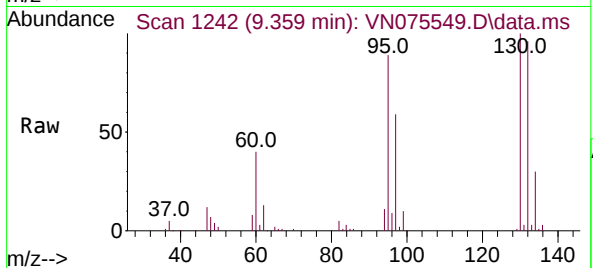
EB-01

Tgt Ion: 63 Resp: 576

Ion Ratio Lower Upper

63 100

65 598.7 26.1 39.1#



#50

Toluene-d8

Concen: 47.274 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075549.D

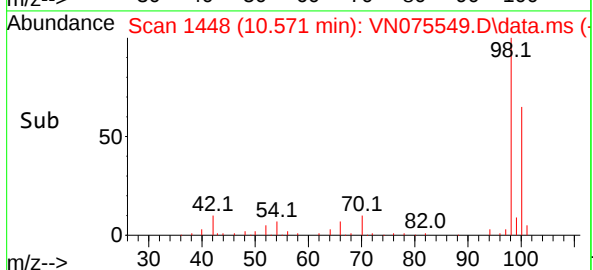
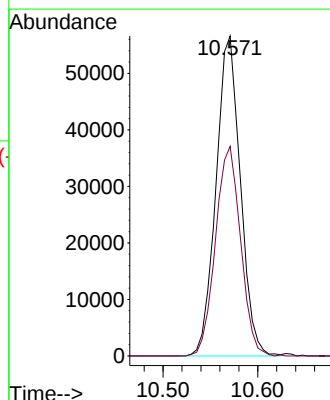
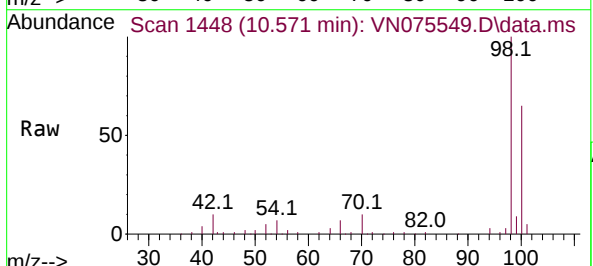
Acq: 02 Dec 2022 22:04

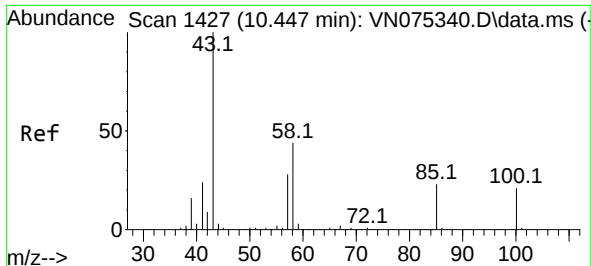
Tgt Ion: 98 Resp: 101200

Ion Ratio Lower Upper

98 100

100 67.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 0.329 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

Instrument :

MSVOA_N

ClientSampleId :

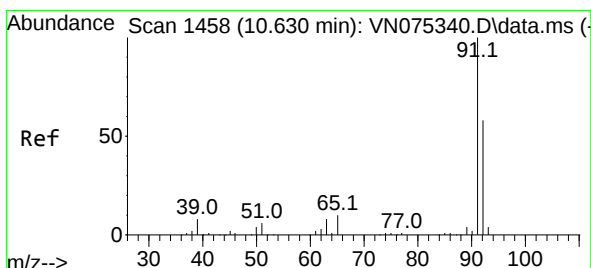
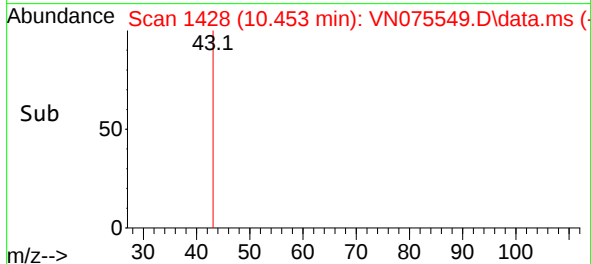
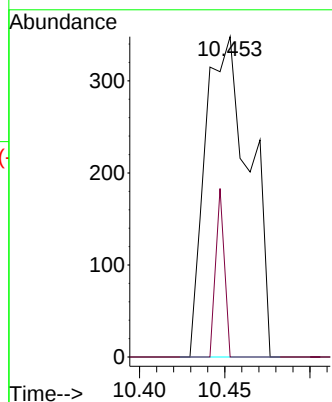
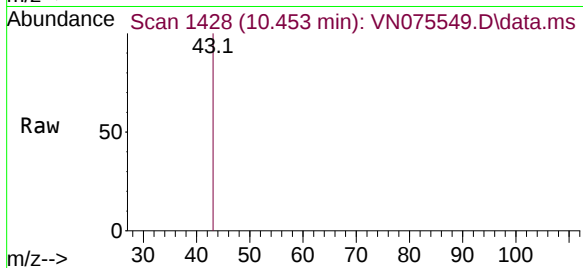
EB-01

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

43 100

58 10.4 33.6 50.4#



#52

Toluene

Concen: 0.509 ug/l

RT: 10.624 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VN075549.D

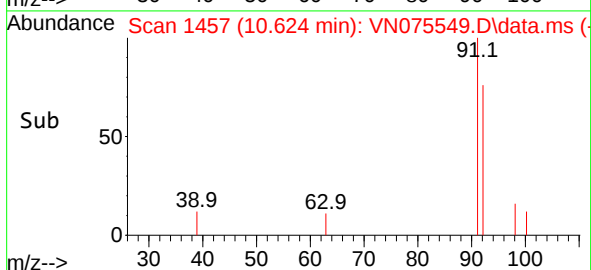
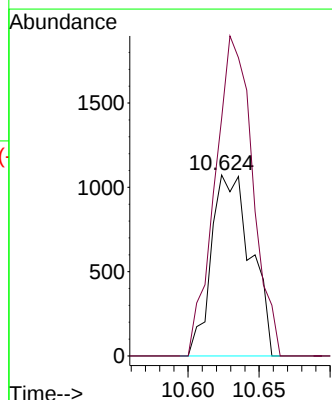
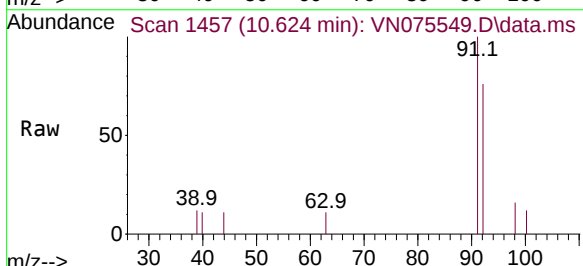
Acq: 02 Dec 2022 22:04

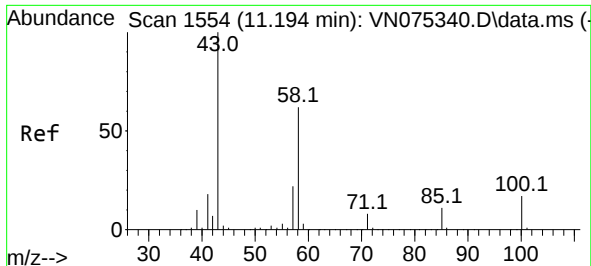
Tgt Ion: 92 Resp: 2080

Ion Ratio Lower Upper

92 100

91 168.5 135.4 203.2

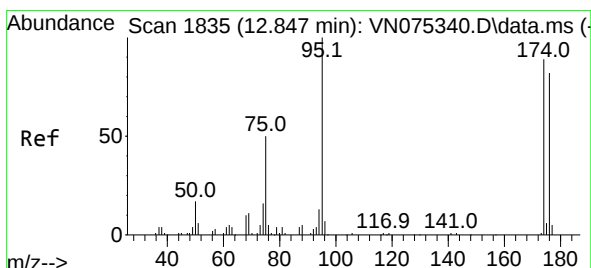
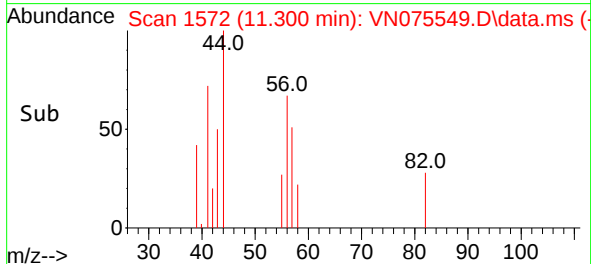
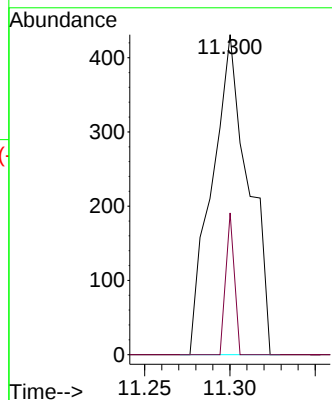
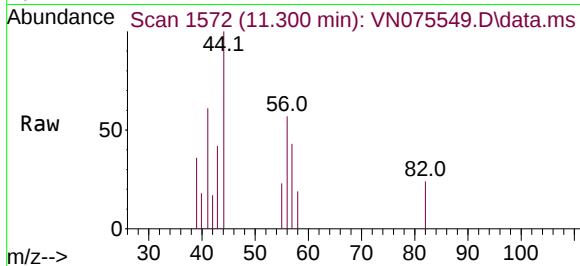




#59
2-Hexanone
Concen: 0.447 ug/l
RT: 11.300 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

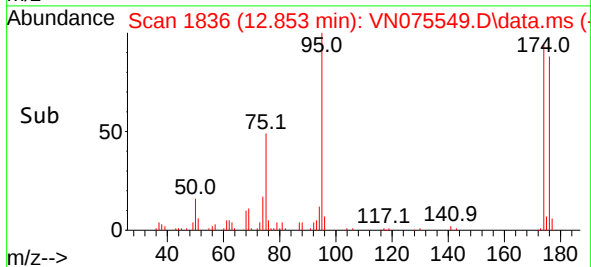
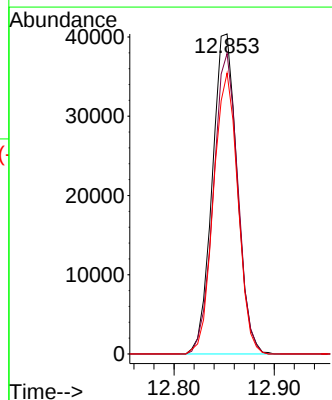
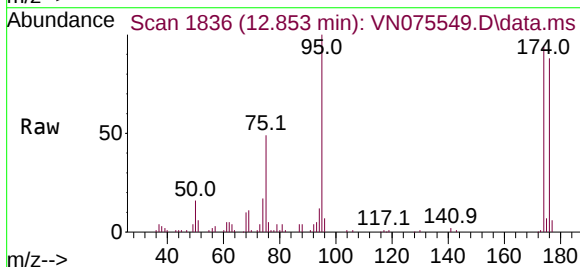
Instrument :
MSVOA_N
ClientSampleId :
EB-01

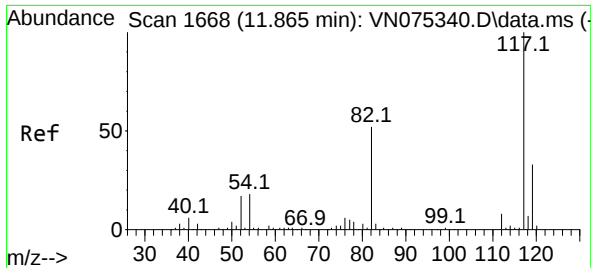
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 10.5 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 44.087 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion: 95 Resp: 69661
Ion Ratio Lower Upper
95 100
174 92.0 0.0 147.4
176 85.8 0.0 142.2

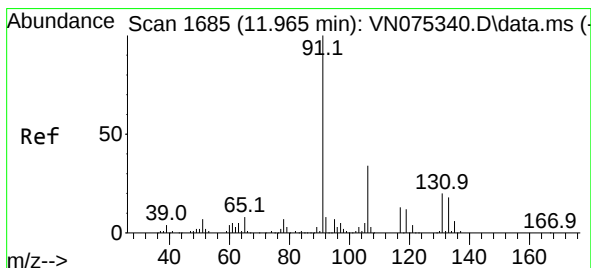
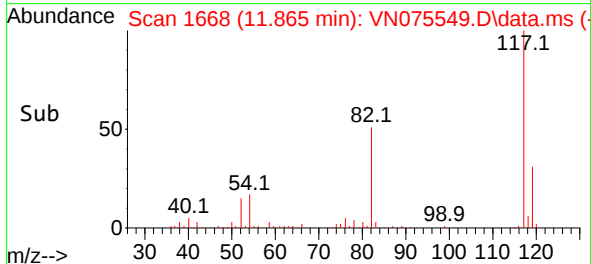
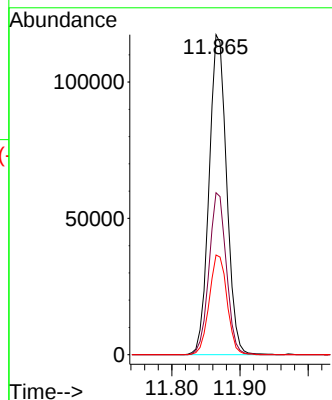
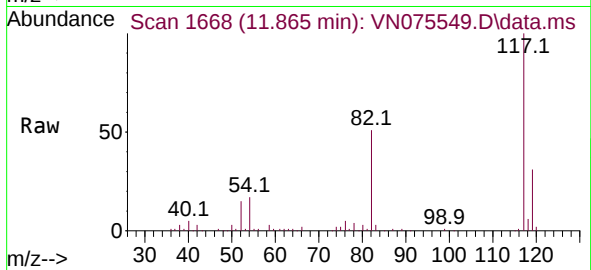




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

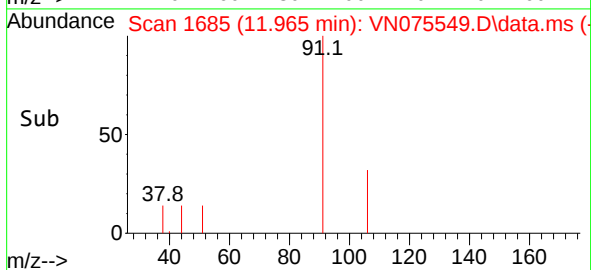
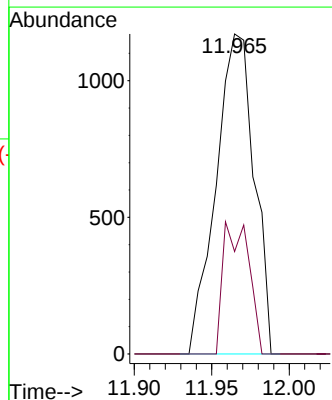
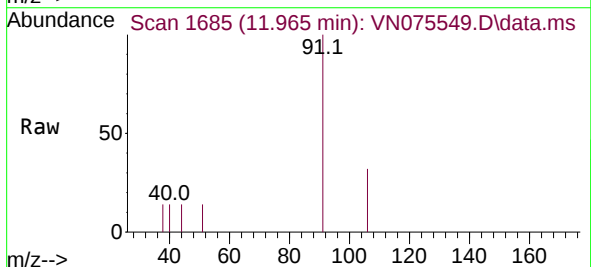
Instrument :
MSVOA_N
ClientSampleId :
EB-01

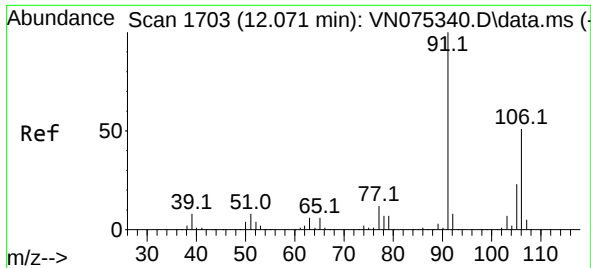
Tgt Ion:117 Resp: 209841
Ion Ratio Lower Upper
117 100
82 50.6 43.1 64.7
119 31.2 25.5 38.3



#67
Ethyl Benzene
Concen: 0.272 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion: 91 Resp: 2008
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3

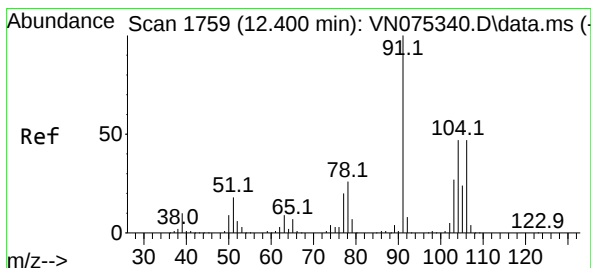
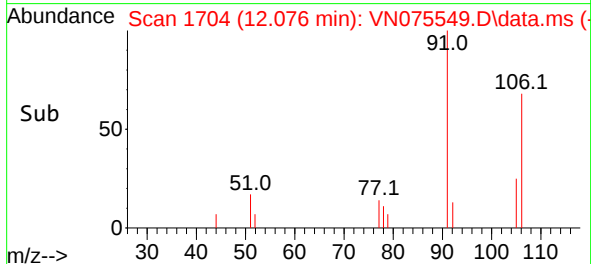
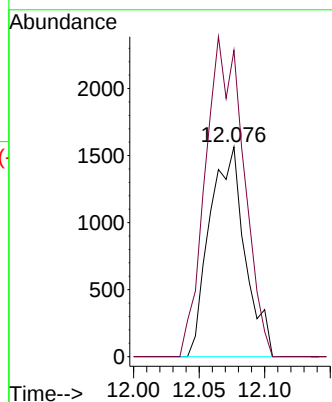
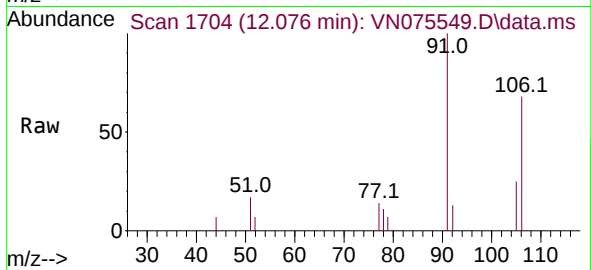




#68
m/p-Xylenes
Concen: 0.977 ug/l
RT: 12.076 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

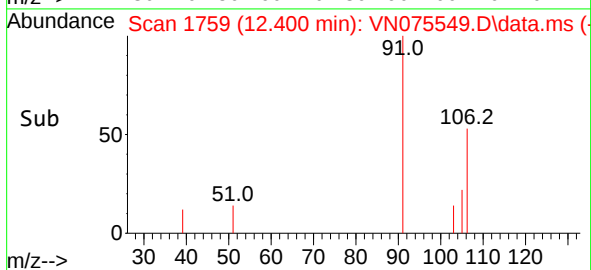
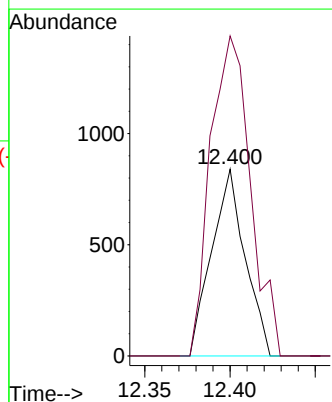
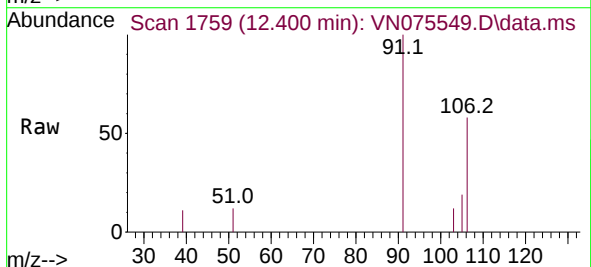
Instrument :
MSVOA_N
ClientSampleId :
EB-01

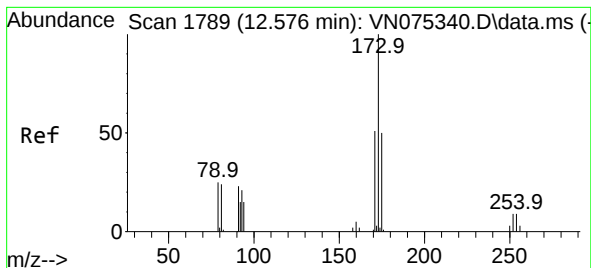
Tgt Ion:106 Resp: 2933
Ion Ratio Lower Upper
106 100
91 164.5 156.0 234.0



#69
o-Xylene
Concen: 0.384 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Tgt Ion:106 Resp: 1145
Ion Ratio Lower Upper
106 100
91 205.2 105.2 315.5





#71

Bromoform

Concen: 0.314 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.271 min

Lab File: VN075549.D

Acq: 02 Dec 2022 22:04

Instrument :

MSVOA_N

ClientSampleId :

EB-01

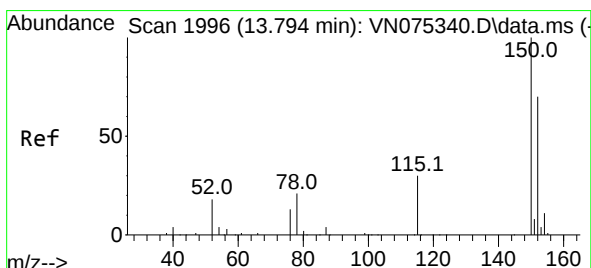
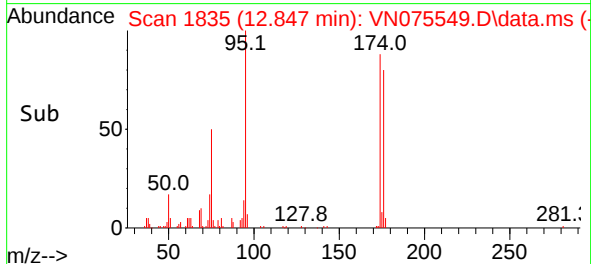
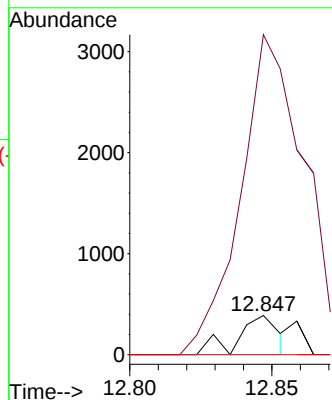
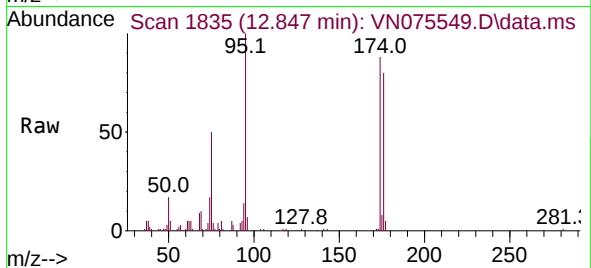
Tgt Ion:173 Resp: 386

Ion Ratio Lower Upper

173 100

175 878.8 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: VN075549.D

Acq: 02 Dec 2022 22:04

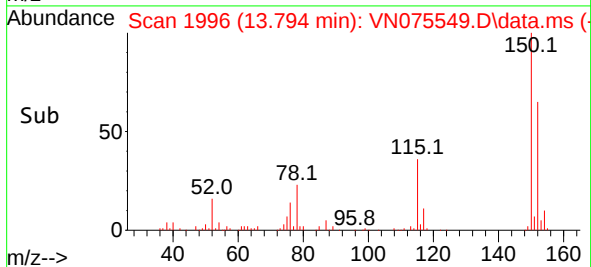
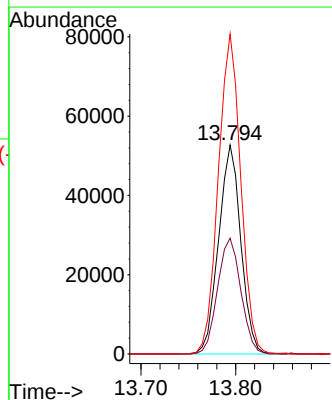
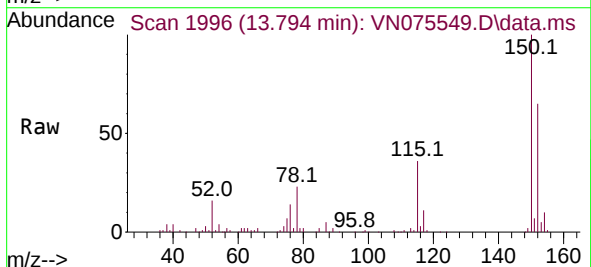
Tgt Ion:152 Resp: 85996

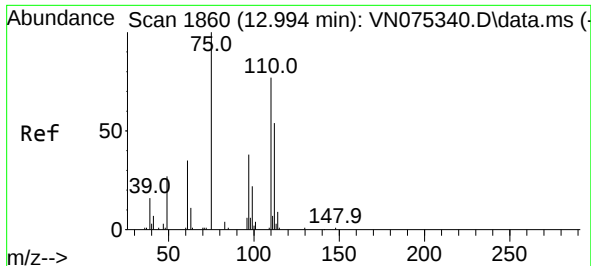
Ion Ratio Lower Upper

152 100

115 58.0 30.2 90.6

150 154.5 0.0 348.4

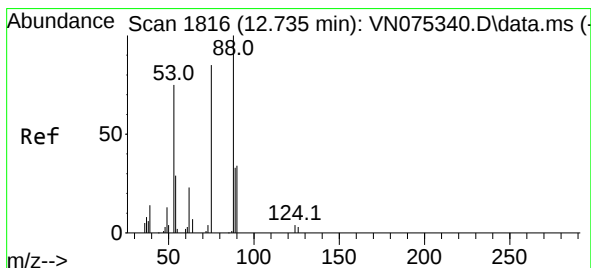
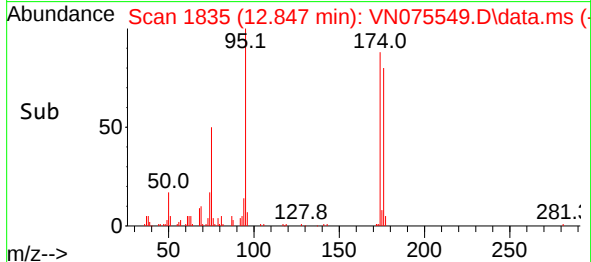
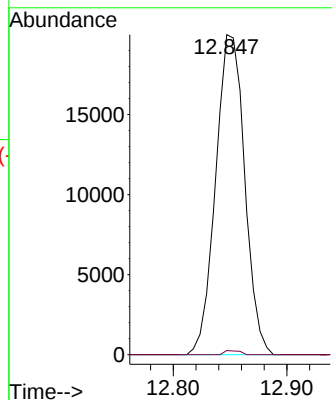
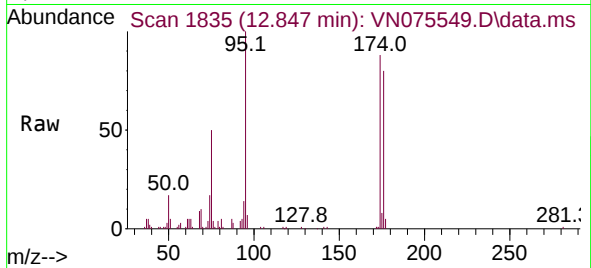




#76
1,2,3-Trichloropropane
Concen: 21.836 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

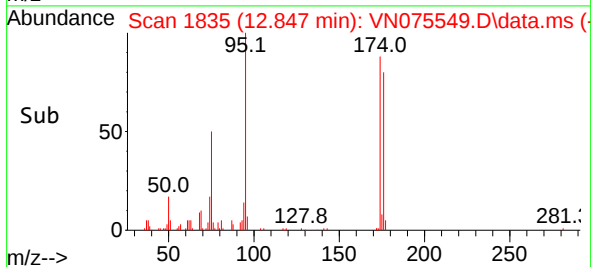
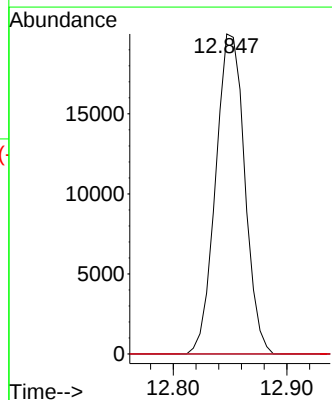
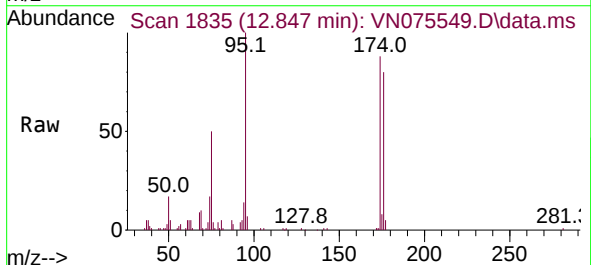
Instrument :
MSVOA_N
ClientSampleId :
EB-01

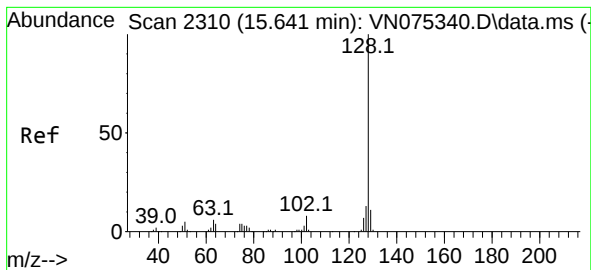
Tgt Ion: 75 Resp: 35505
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.609 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

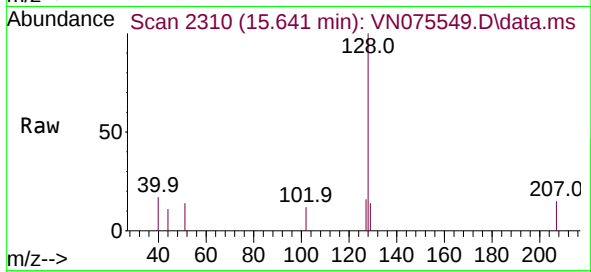
Tgt Ion: 75 Resp: 35505
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.573 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075549.D
Acq: 02 Dec 2022 22:04

Instrument :
MSVOA_N
ClientSampleId :
EB-01



Tgt Ion:128 Resp: 2646
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 8.3 8.6 12.8#

