

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
 Data File : VN075589.D
 Acq On : 06 Dec 2022 17:02
 Operator : JC\MD
 Sample : N5876-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EDI-12-02-SIL

Quant Time: Dec 07 00:16:58 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)

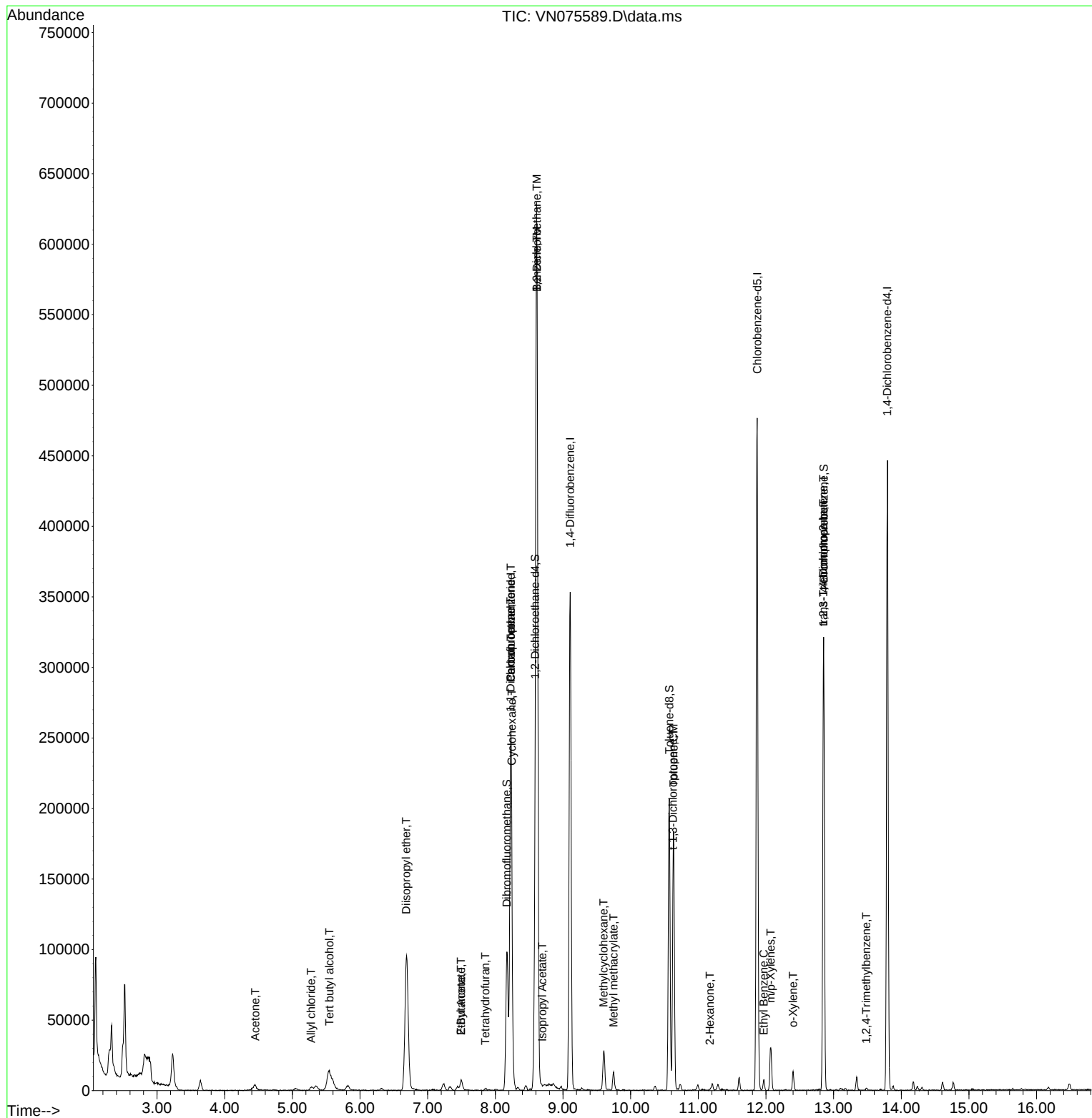
Internal Standards						
1) Pentafluorobenzene	8.230	168	204505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	332903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	292351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	55432	50.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.000%			
35) Dibromofluoromethane	8.171	113	72683	55.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.160%			
50) Toluene-d8	10.571	98	149851	50.876	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.853	95	108798	50.044	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.080%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.547	59	28231	61.262	ug/l	97
14) Allyl chloride	5.277	41	516	0.211	ug/l #	47
16) Acetone	4.453	43	6902	6.741	ug/l	95
18) Methyl Acetate	5.042	43	1285	Below Cal	#	85
20) Methylene Chloride	5.277	84	1046	Below Cal	#	69
22) Diisopropyl ether	6.683	45	3725	0.666	ug/l #	1
25) 2-Butanone	7.494	43	11300	7.905	ug/l	99
29) Tetrahydrofuran	7.853	42	1074	1.235	ug/l #	44
31) Cyclohexane	8.241	56	5797	1.662	ug/l #	65
36) 1,1-Dichloropropene	8.224	75	13318	4.670	ug/l #	52
37) Ethyl Acetate	7.494	43	11300	4.400	ug/l #	68
38) Carbon Tetrachloride	8.230	117	19732	6.298	ug/l #	16
39) Methylcyclohexane	9.600	83	12816	3.591	ug/l	96
40) Benzene	8.612	78	669186	76.639	ug/l	100
42) 1,2-Dichloroethane	8.612	62	5586	1.910	ug/l #	75
43) Isopropyl Acetate	8.694	43	1711	0.415	ug/l #	61
48) Methyl methacrylate	9.747	41	1474	0.773	ug/l #	32
52) Toluene	10.635	92	87090	15.478	ug/l	98
53) t-1,3-Dichloropropene	10.624	75	822	0.269	ug/l #	1
59) 2-Hexanone	11.171	43	666	0.338	ug/l #	21
67) Ethyl Benzene	11.965	91	6307	0.612	ug/l #	83
68) m/p-Xylenes	12.071	106	10745	2.569	ug/l	96
69) o-Xylene	12.400	106	4163	1.002	ug/l	95
76) 1,2,3-Trichloropropane	12.847	75	54433	22.325	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54433	66.056	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	1637	0.209	ug/l	87

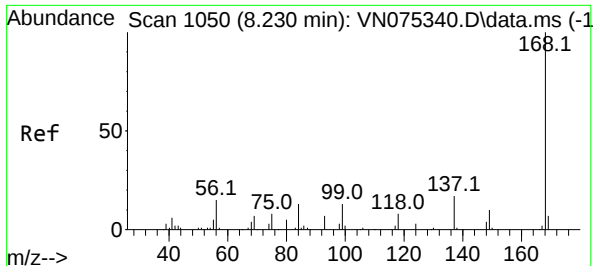
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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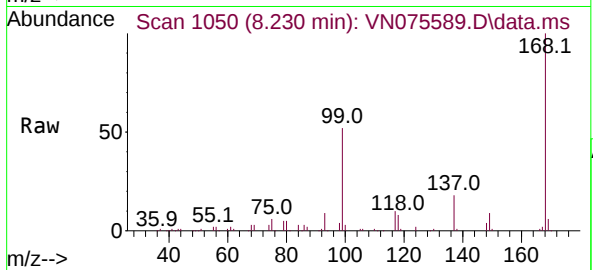
Quant Time: Dec 07 00:16:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
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QLast Update : Wed Nov 23 00:18:03 2022
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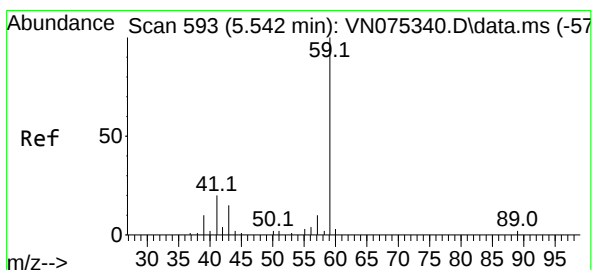
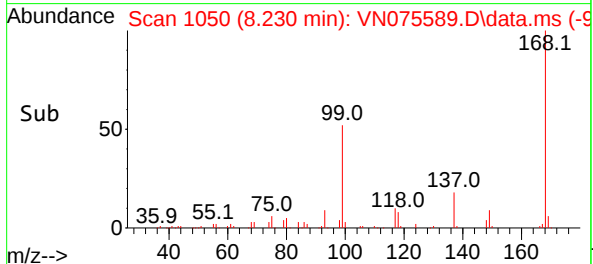
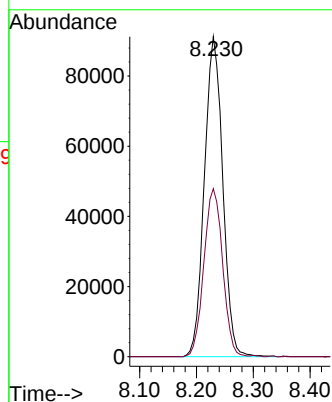


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

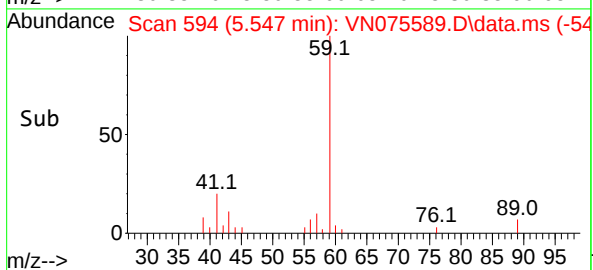
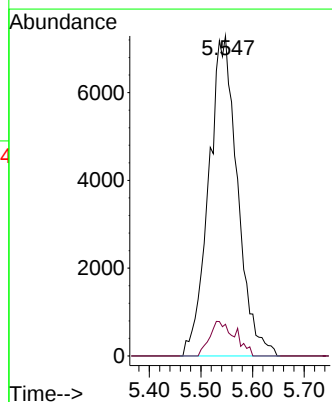
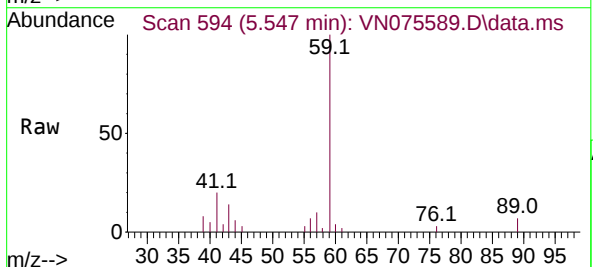


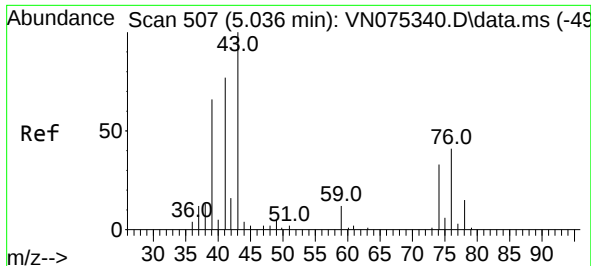
Tgt Ion:168 Resp: 204505
Ion Ratio Lower Upper
168 100
99 52.5 51.6 77.4



#11
Tert butyl alcohol
Concen: 61.262 ug/l
RT: 5.547 min Scan# 594
Delta R.T. 0.005 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 59 Resp: 28231
Ion Ratio Lower Upper
59 100
57 9.6 8.5 12.7

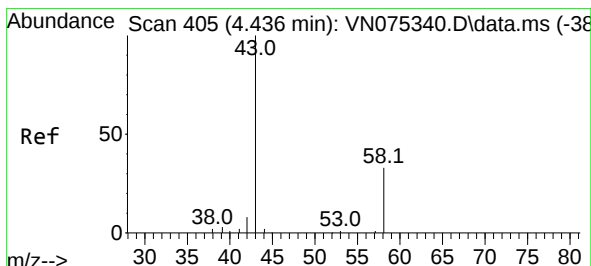
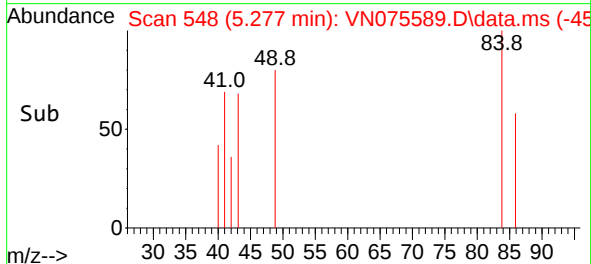
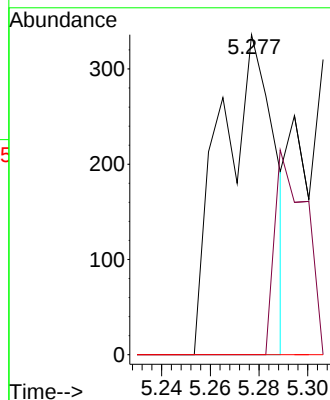
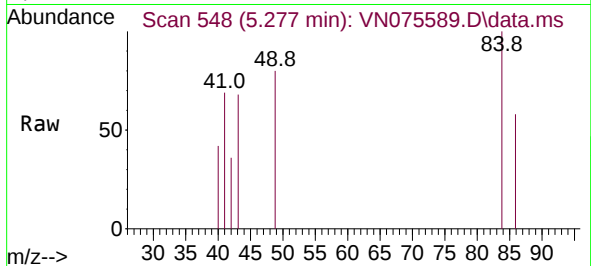




#14
Allyl chloride
Concen: 0.211 ug/l
RT: 5.277 min Scan# 54
Delta R.T. 0.241 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

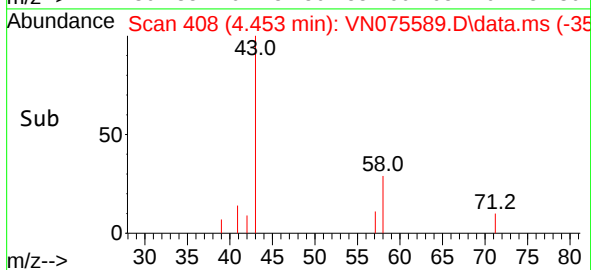
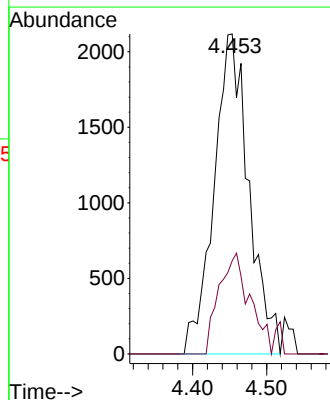
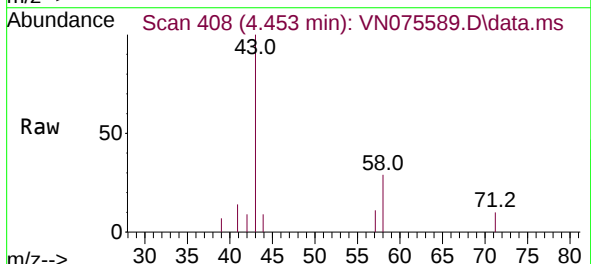
Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

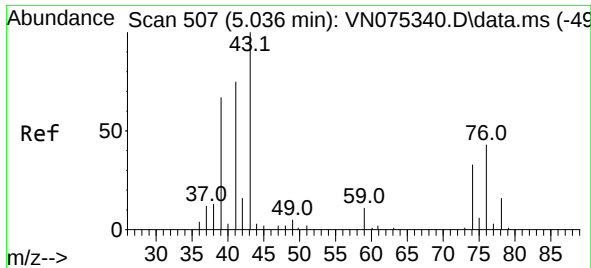
Tgt Ion: 41 Resp: 516
Ion Ratio Lower Upper
41 100
39 36.6 61.0 91.4#
76 0.0 33.4 50.0#



#16
Acetone
Concen: 6.741 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 43 Resp: 6902
Ion Ratio Lower Upper
43 100
58 29.1 25.5 38.3

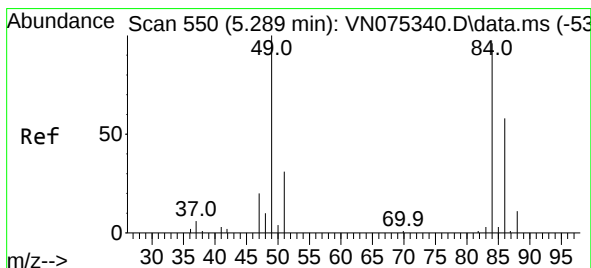
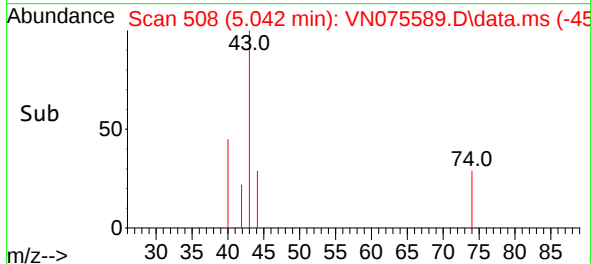
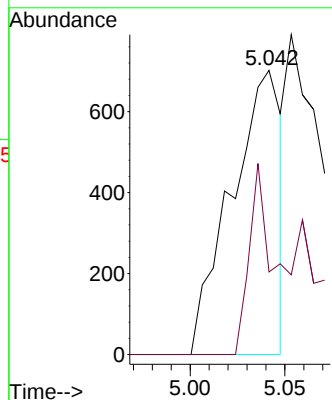
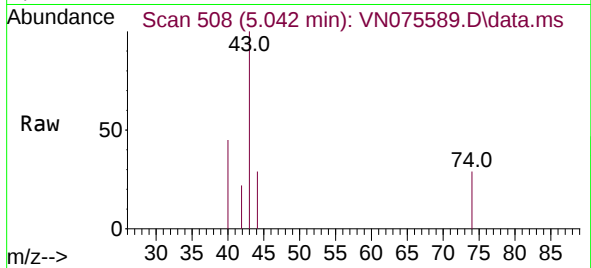




#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

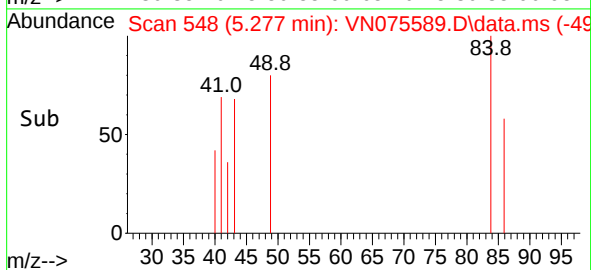
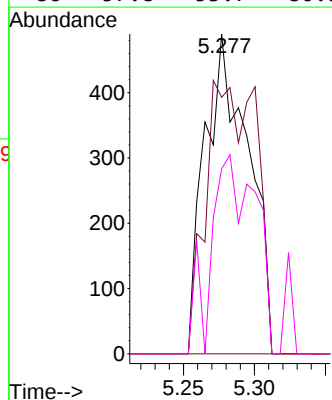
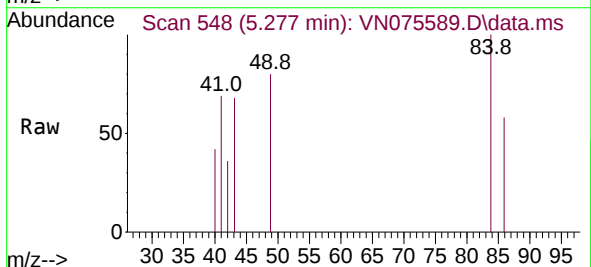
Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

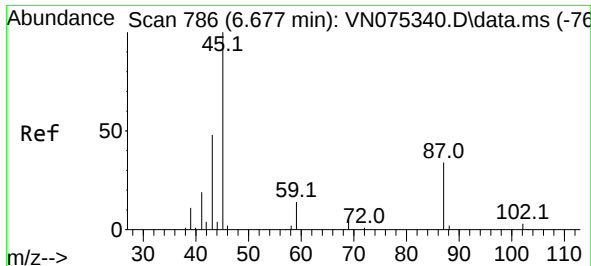
Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
74 35.4 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 84 Resp: 1046
Ion Ratio Lower Upper
84 100
49 80.2 94.9 142.3#
51 0.0 26.8 40.2#
86 57.8 53.7 80.5





#22

Diisopropyl ether

Concen: 0.666 ug/l

RT: 6.683 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN075589.D

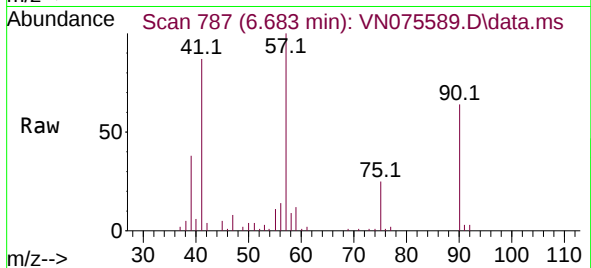
Acq: 06 Dec 2022 17:02

Instrument :

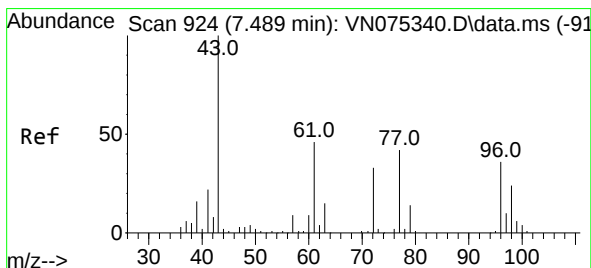
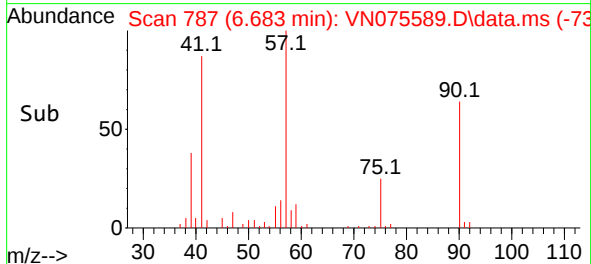
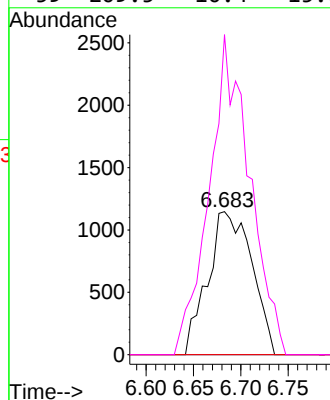
MSVOA_N

ClientSampleId :

EDI-12-02-SIL



Tgt Ion:	45	Resp:	3725
Ion Ratio	100	Lower	Upper
43	0.0	42.8	64.2#
87	0.0	28.4	42.6#
59	209.5	10.4	15.6#



#25

2-Butanone

Concen: 7.905 ug/l

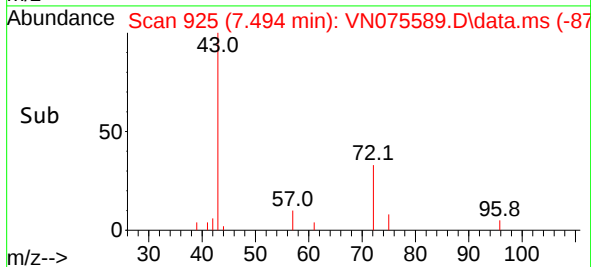
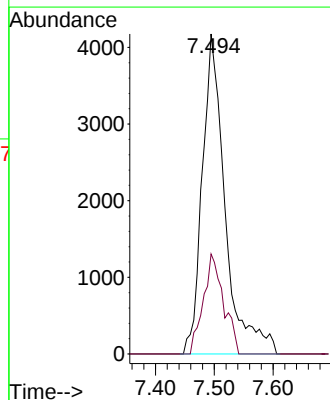
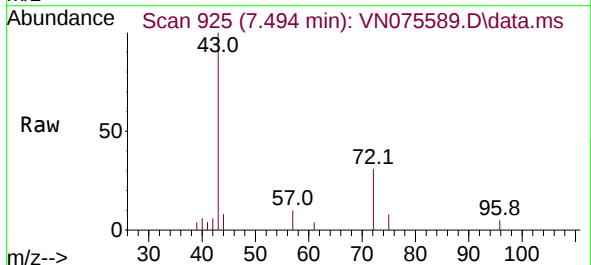
RT: 7.494 min Scan# 925

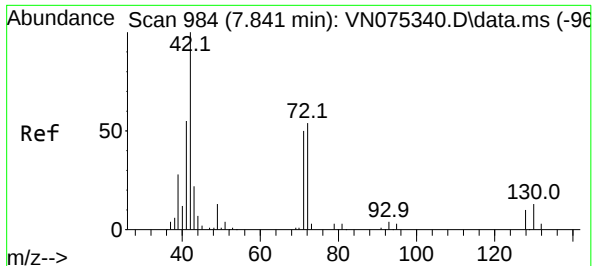
Delta R.T. 0.005 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

Tgt Ion:	43	Resp:	11300
Ion Ratio	100	Lower	Upper
72	31.3	25.5	38.3





#29

Tetrahydrofuran

Concen: 1.235 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

EDI-12-02-SIL

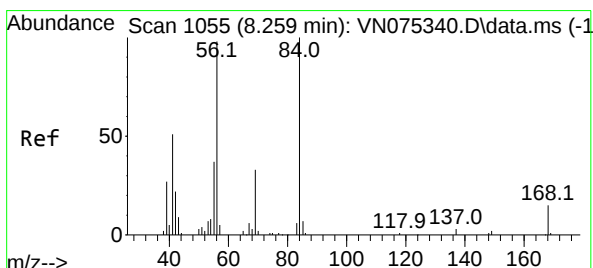
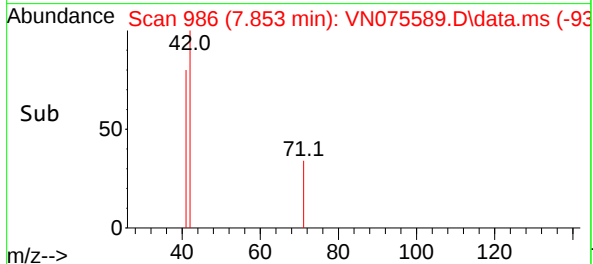
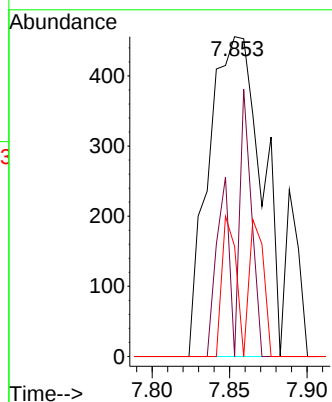
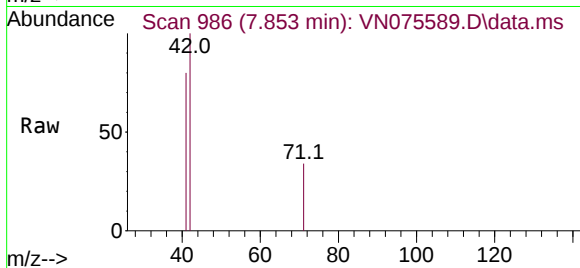
Tgt Ion: 42 Resp: 1074

Ion Ratio Lower Upper

42 100

72 13.7 43.0 64.6#

71 11.7 39.9 59.9#



#31

Cyclohexane

Concen: 1.662 ug/l

RT: 8.241 min Scan# 1052

Delta R.T. -0.018 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

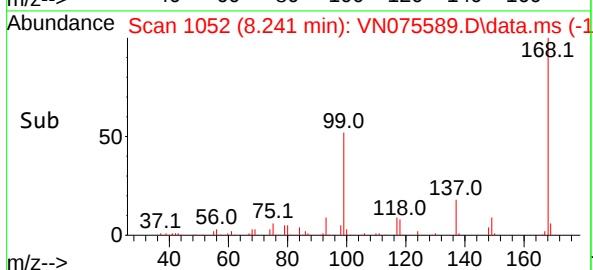
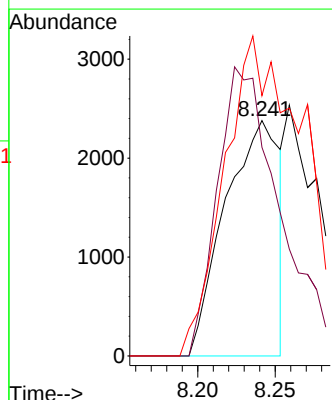
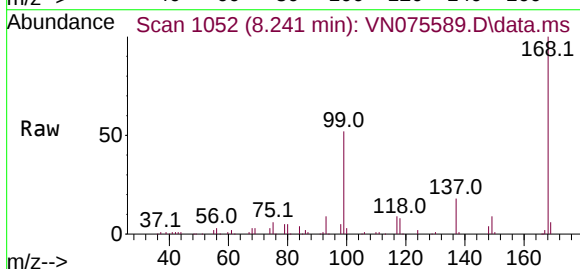
Tgt Ion: 56 Resp: 5797

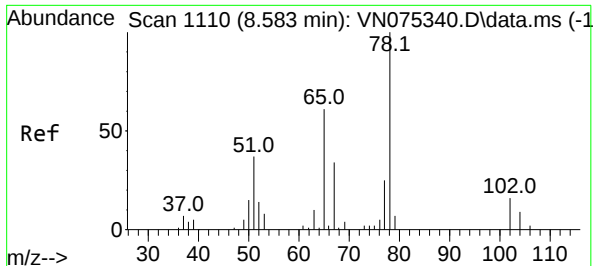
Ion Ratio Lower Upper

56 100

69 88.7 25.2 37.8#

84 110.6 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 50.496 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

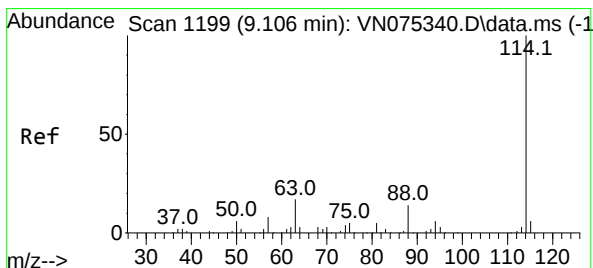
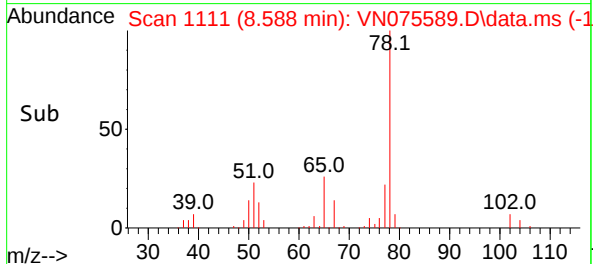
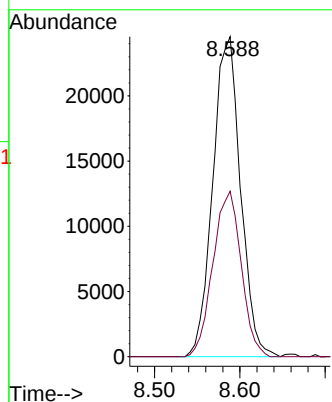
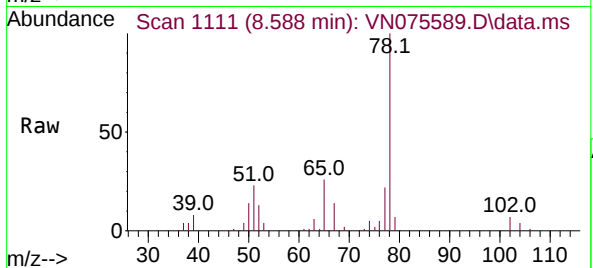
EDI-12-02-SIL

Tgt Ion: 65 Resp: 55432

Ion Ratio Lower Upper

65 100

67 52.7 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: VN075589.D

Acq: 06 Dec 2022 17:02

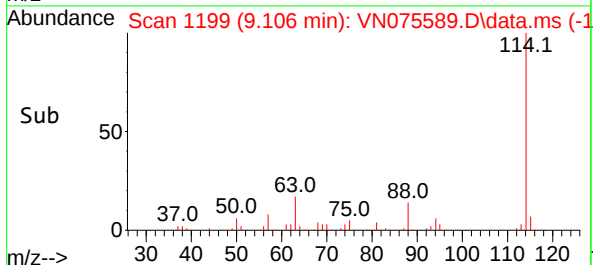
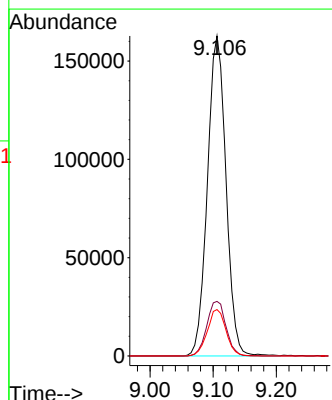
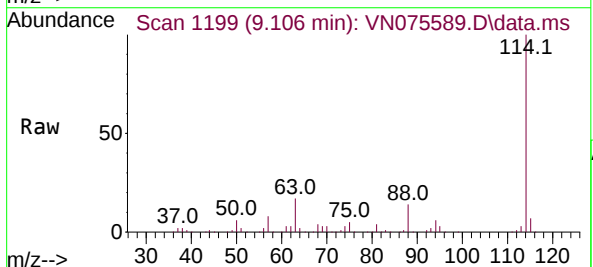
Tgt Ion: 114 Resp: 332903

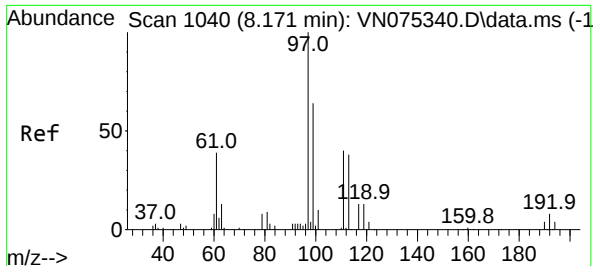
Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.579 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

EDI-12-02-SIL

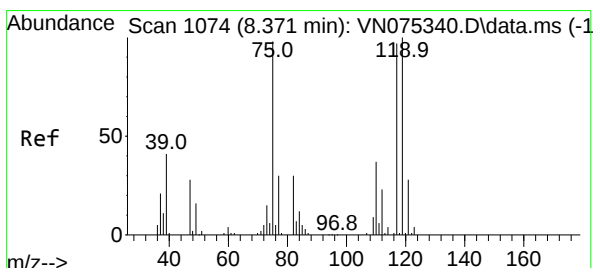
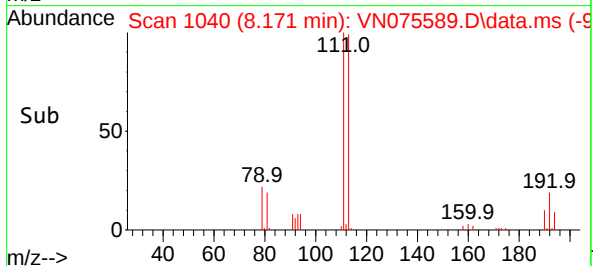
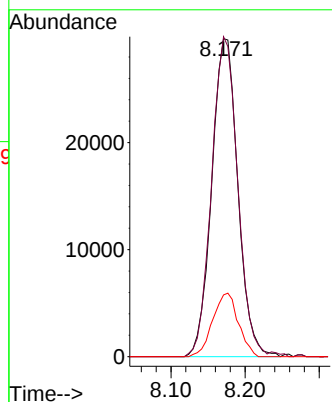
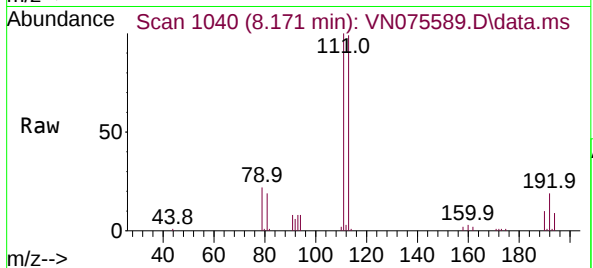
Tgt Ion:113 Resp: 72683

Ion Ratio Lower Upper

113 100

111 100.9 80.5 120.7

192 19.6 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

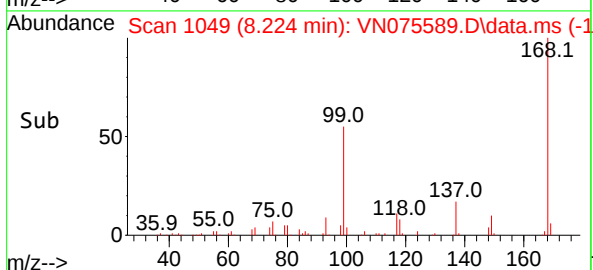
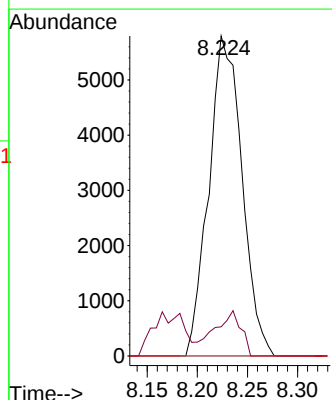
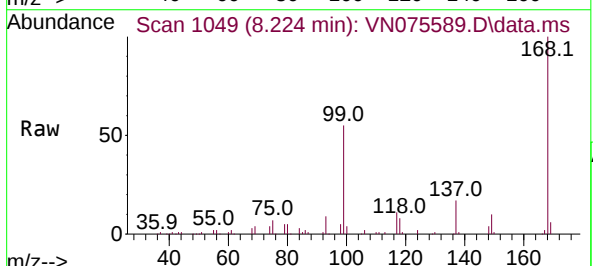
Tgt Ion: 75 Resp: 13318

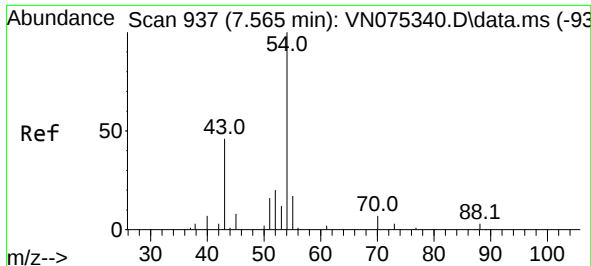
Ion Ratio Lower Upper

75 100

110 11.2 17.8 53.3#

77 0.0 24.6 37.0#

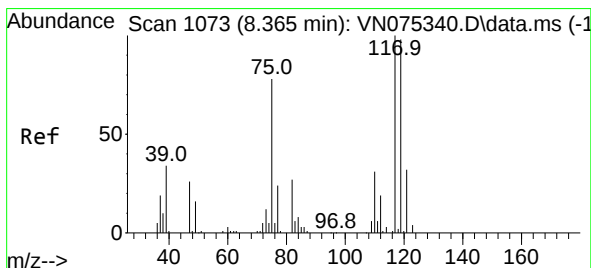
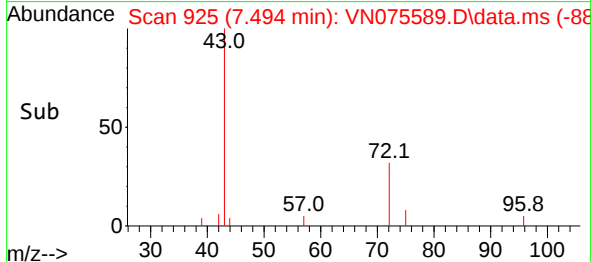
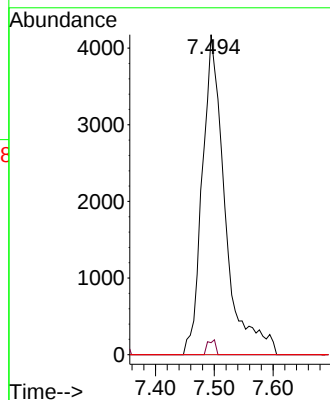
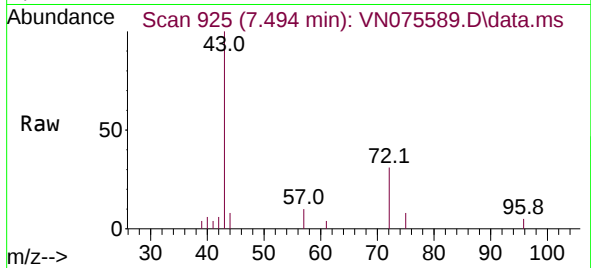




#37
Ethyl Acetate
Concen: 4.400 ug/l
RT: 7.494 min Scan# 91
Delta R.T. -0.071 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

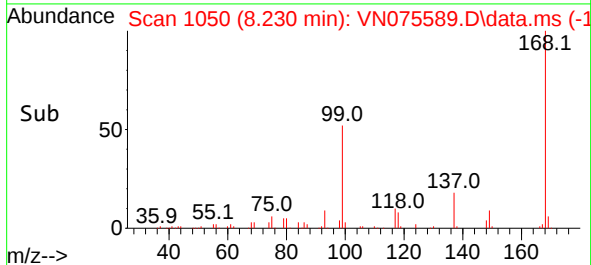
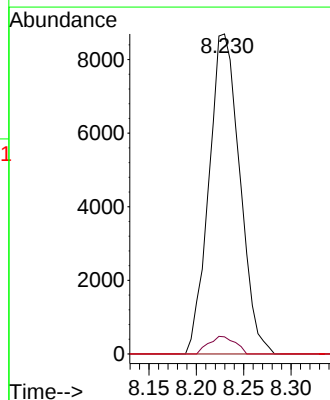
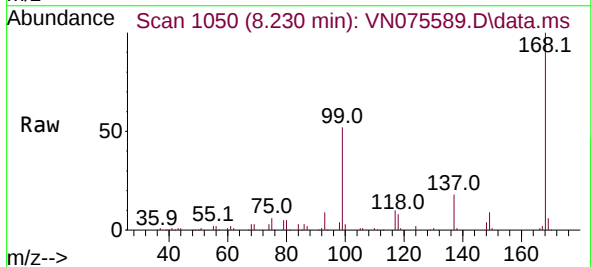
Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

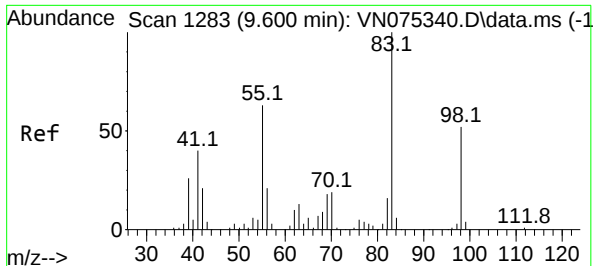
Tgt Ion: 43 Resp: 11300
Ion Ratio Lower Upper
43 100
61 1.6 12.2 18.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 117 Resp: 19732
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 3.591 ug/l

RT: 9.600 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

EDI-12-02-SIL

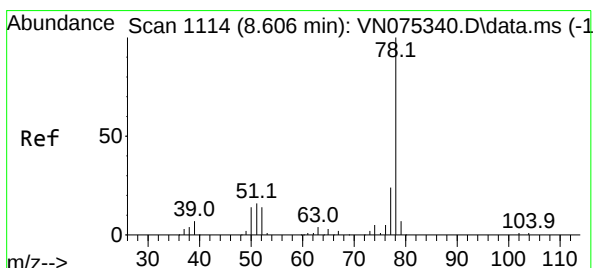
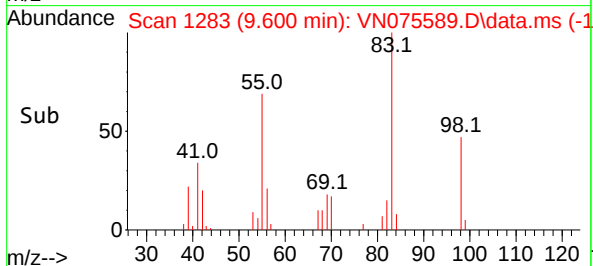
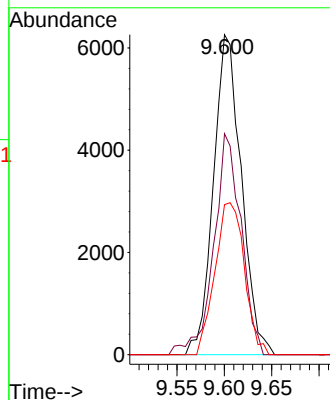
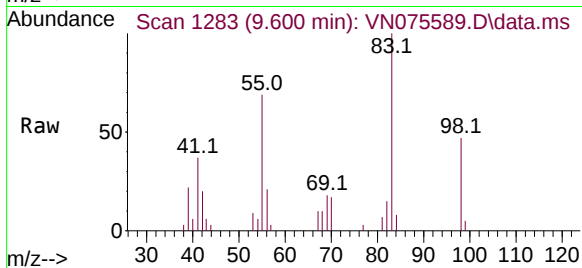
Tgt Ion: 83 Resp: 12816

Ion Ratio Lower Upper

83 100

55 69.1 53.6 80.4

98 46.9 41.1 61.7



#40

Benzene

Concen: 76.639 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075589.D

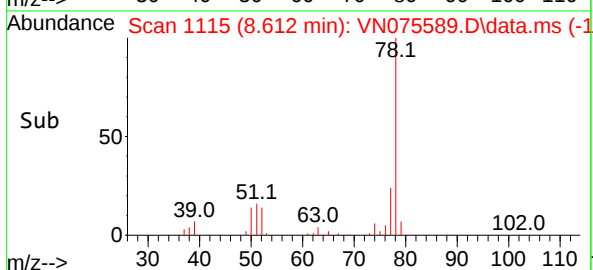
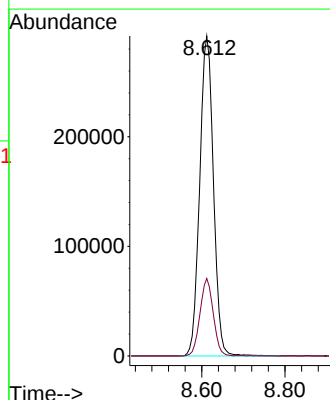
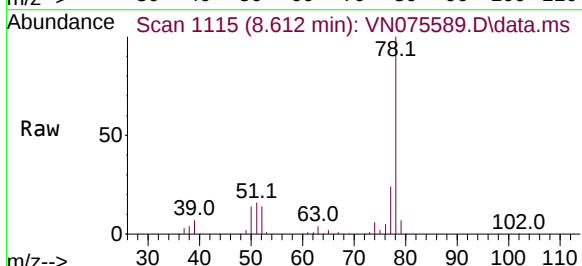
Acq: 06 Dec 2022 17:02

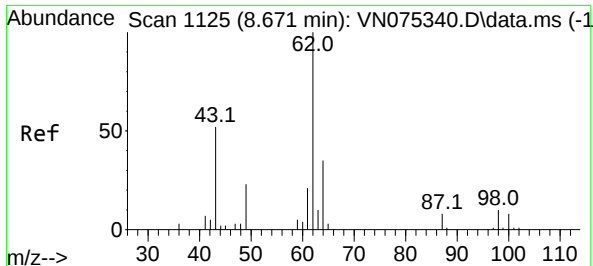
Tgt Ion: 78 Resp: 669186

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0





#42

1,2-Dichloroethane

Concen: 1.910 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.059 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

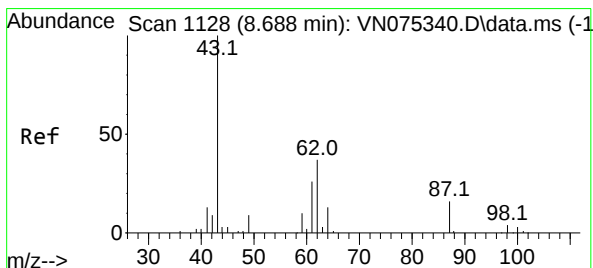
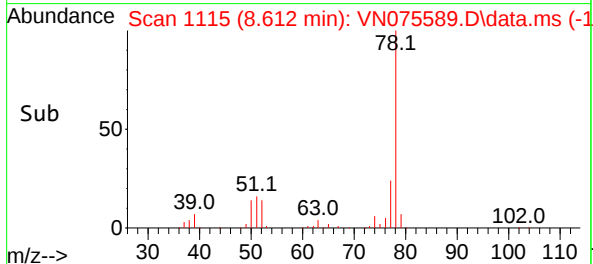
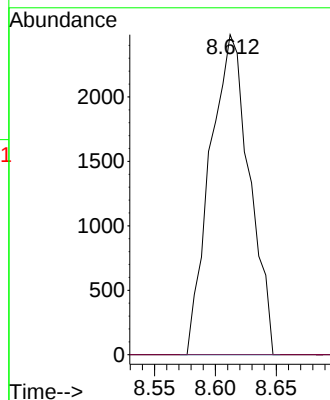
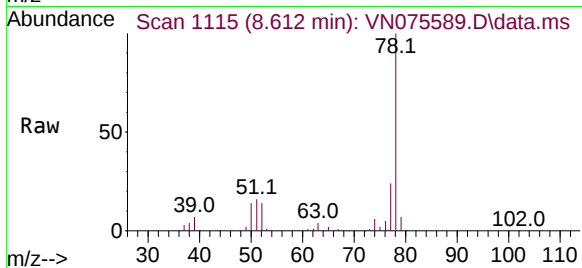
EDI-12-02-SIL

Tgt Ion: 62 Resp: 5586

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 0.415 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

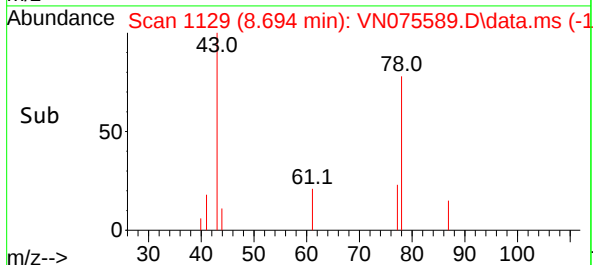
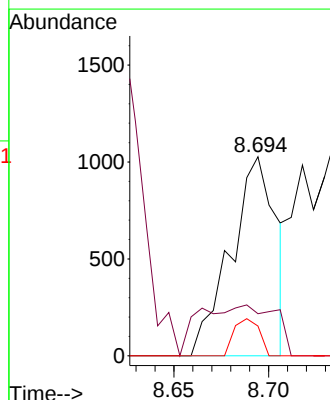
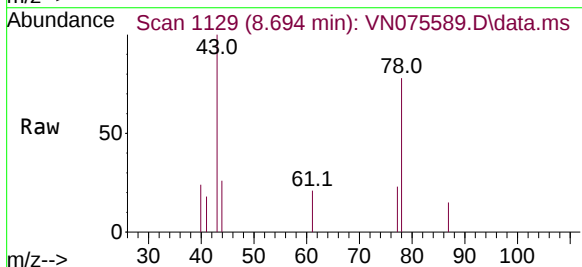
Tgt Ion: 43 Resp: 1711

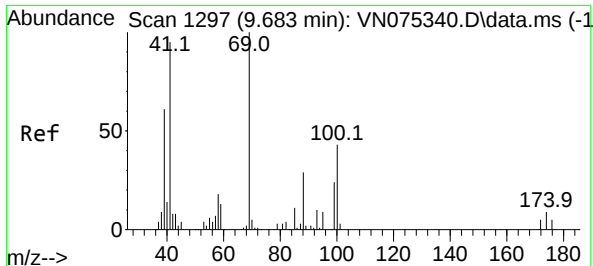
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 10.3 12.5 18.7#





#48

Methyl methacrylate

Concen: 0.773 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.064 min

Lab File: VN075589.D

Acq: 06 Dec 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

EDI-12-02-SIL

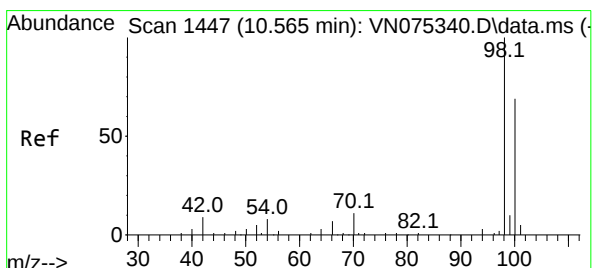
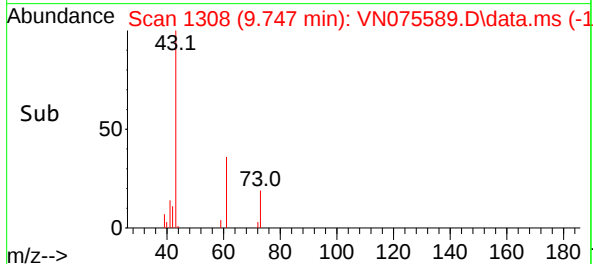
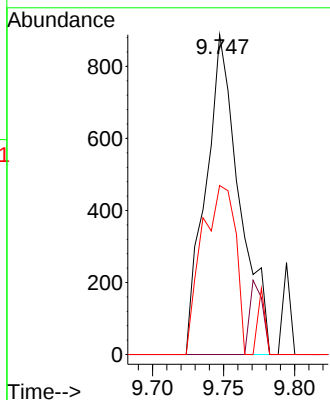
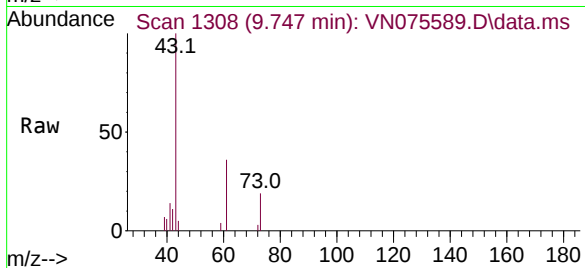
Tgt Ion: 41 Resp: 1474

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 52.4 56.2 84.2#



#50

Toluene-d8

Concen: 50.876 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075589.D

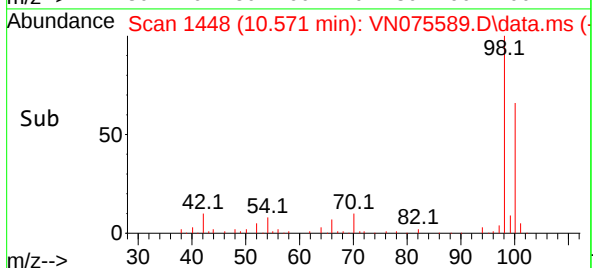
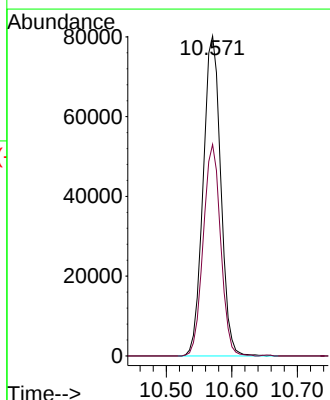
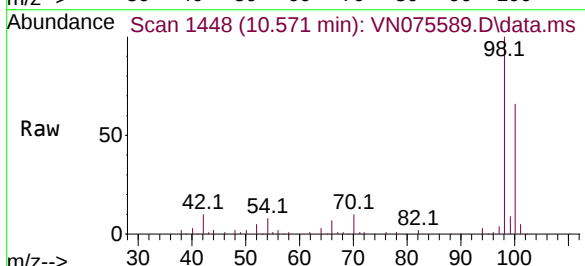
Acq: 06 Dec 2022 17:02

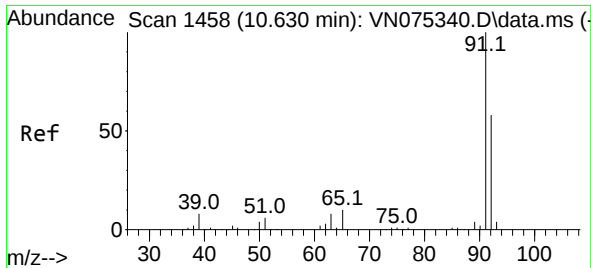
Tgt Ion: 98 Resp: 149851

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.6

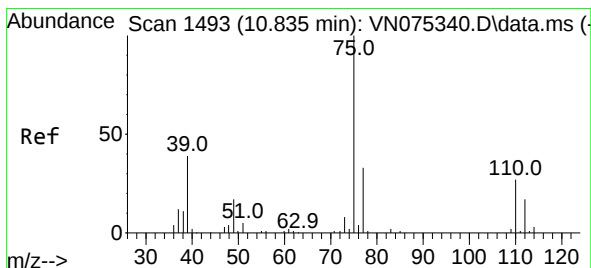
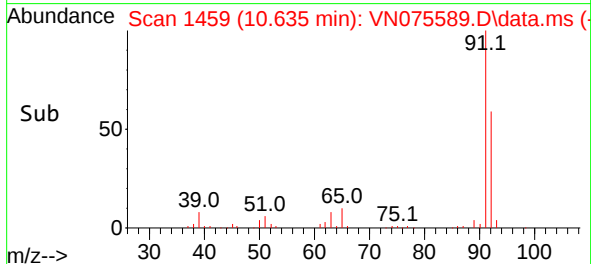
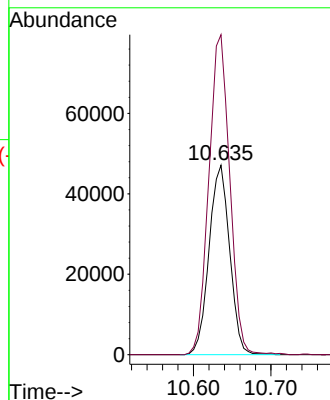
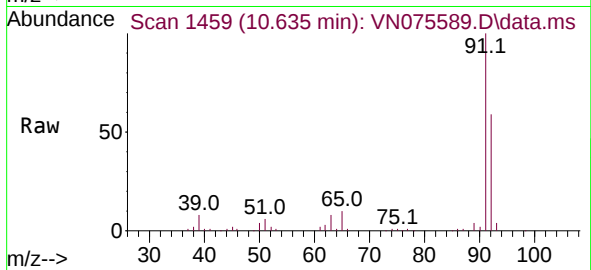




#52
Toluene
Concen: 15.478 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

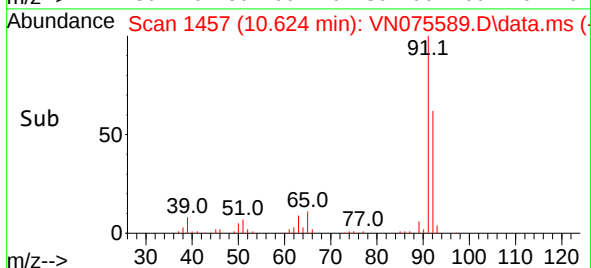
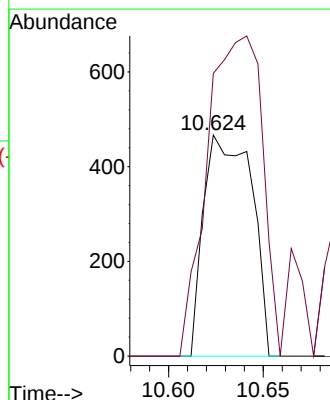
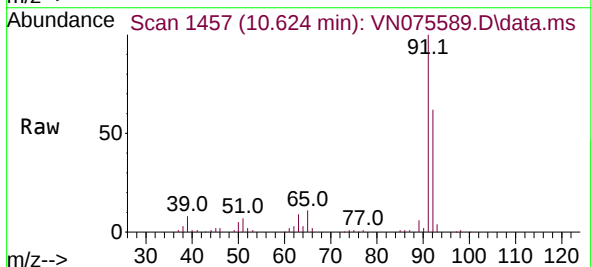
Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

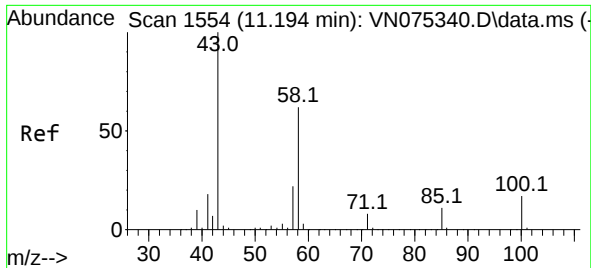
Tgt Ion: 92 Resp: 87090
Ion Ratio Lower Upper
92 100
91 171.5 135.4 203.2



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 10.624 min Scan# 1457
Delta R.T. -0.211 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 75 Resp: 822
Ion Ratio Lower Upper
75 100
77 127.8 25.4 38.2#

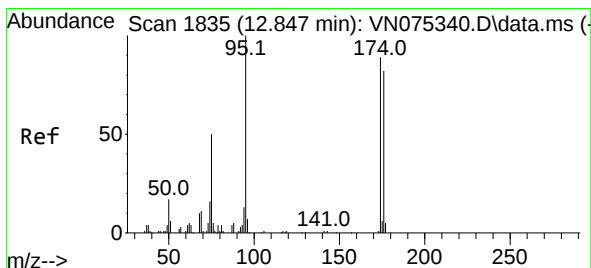
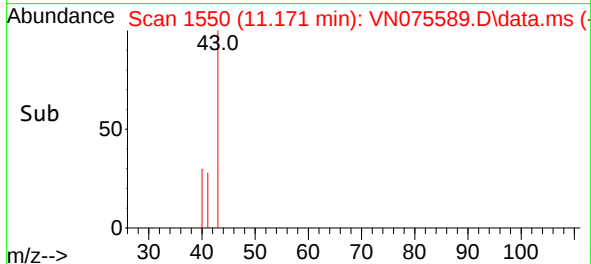
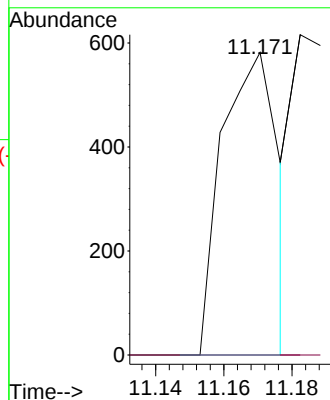
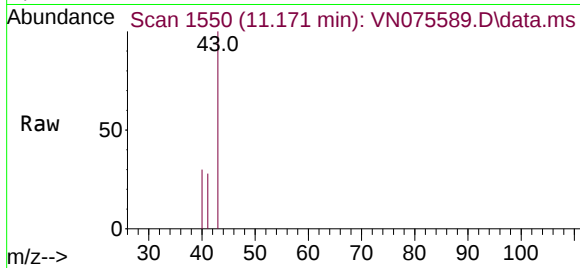




#59
2-Hexanone
Concen: 0.338 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

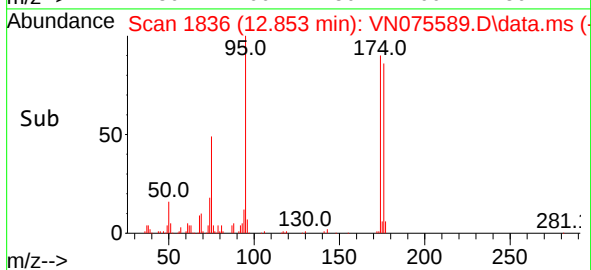
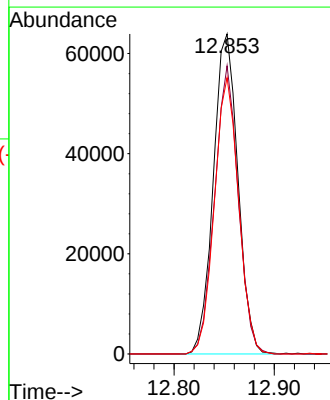
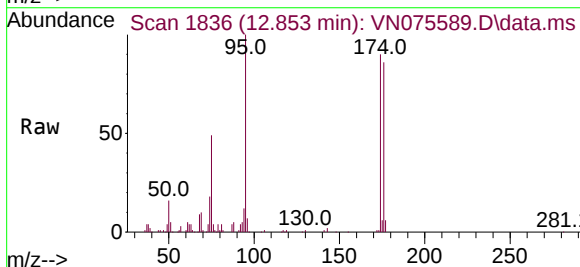
Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

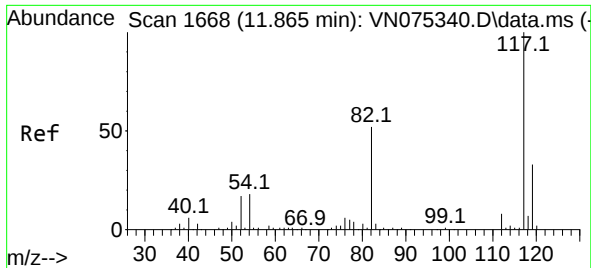
Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.044 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 95 Resp: 108798
Ion Ratio Lower Upper
95 100
174 86.6 0.0 147.4
176 84.8 0.0 142.2

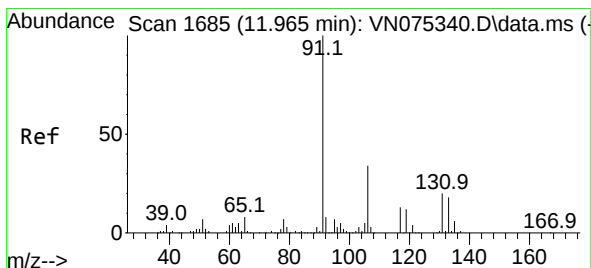
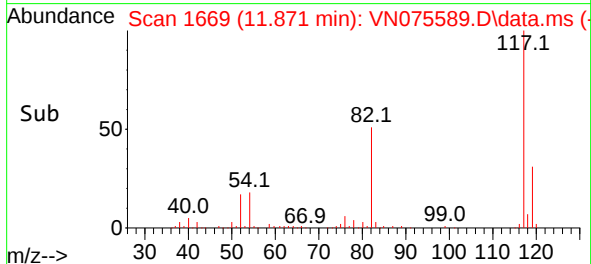
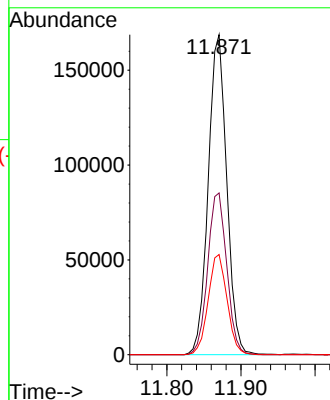
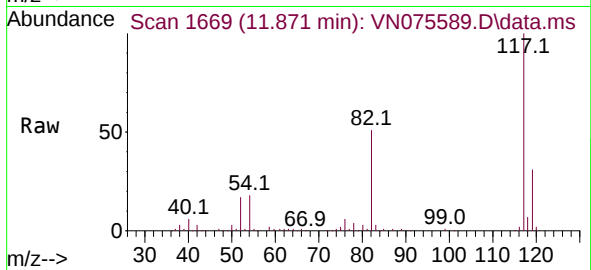




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

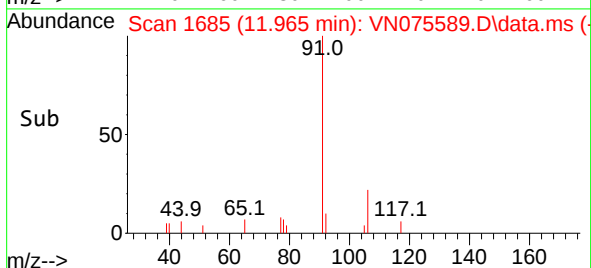
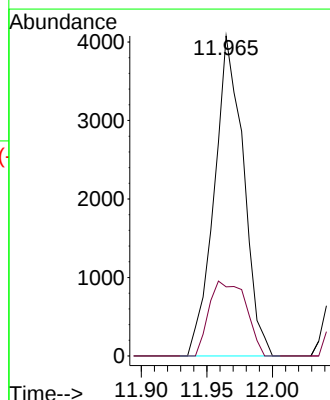
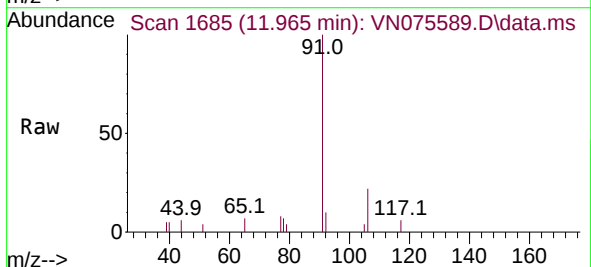
Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

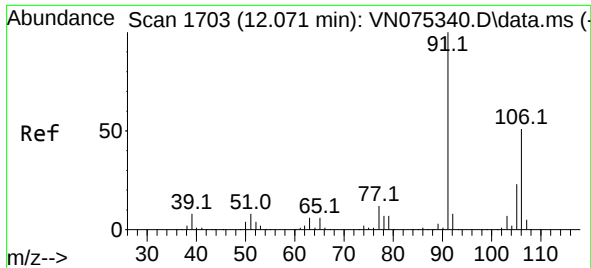
Tgt Ion:117 Resp: 292351
Ion Ratio Lower Upper
117 100
82 50.6 43.1 64.7
119 31.3 25.5 38.3



#67
Ethyl Benzene
Concen: 0.612 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 91 Resp: 6307
Ion Ratio Lower Upper
91 100
106 21.6 24.9 37.3#

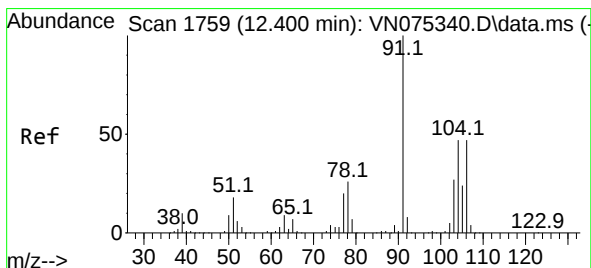
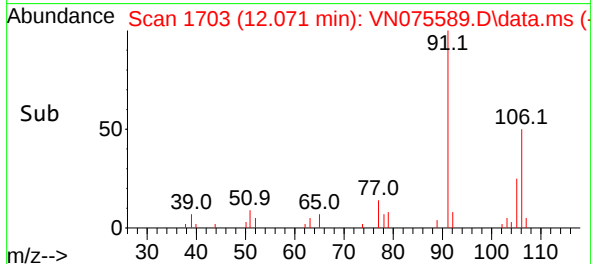
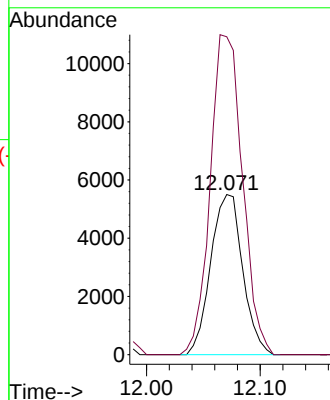
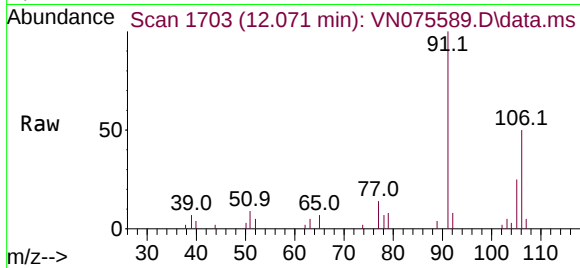




#68
m/p-Xylenes
Concen: 2.569 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

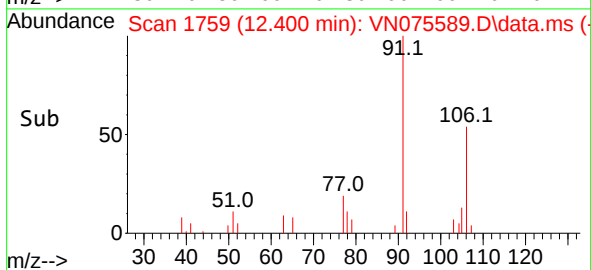
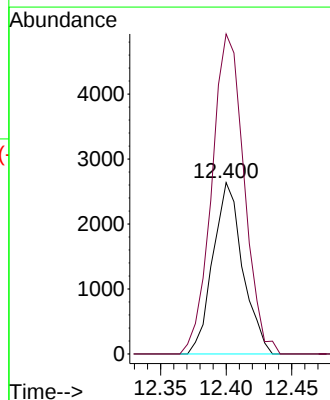
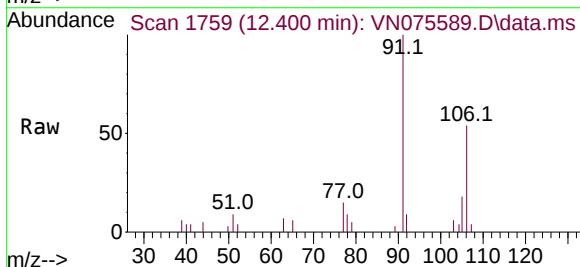
Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

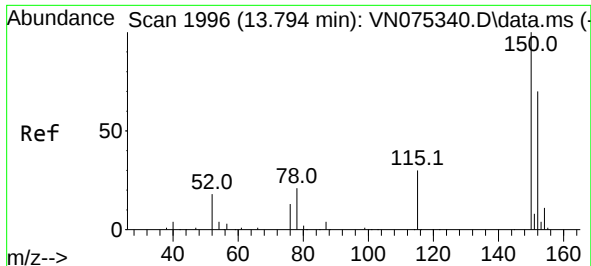
Tgt Ion:106 Resp: 10745
Ion Ratio Lower Upper
106 100
91 201.6 156.0 234.0



#69
o-Xylene
Concen: 1.002 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion:106 Resp: 4163
Ion Ratio Lower Upper
106 100
91 203.0 105.2 315.5

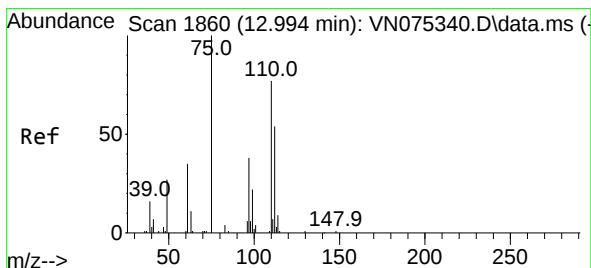
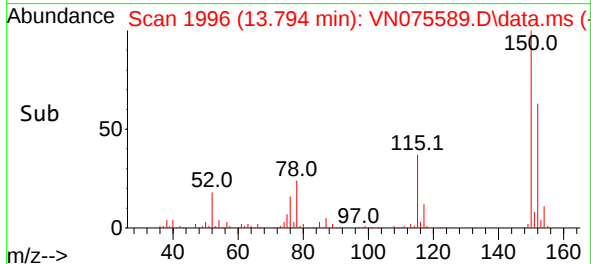
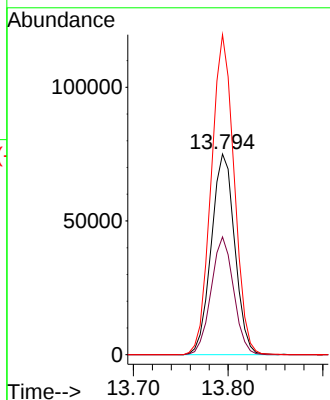
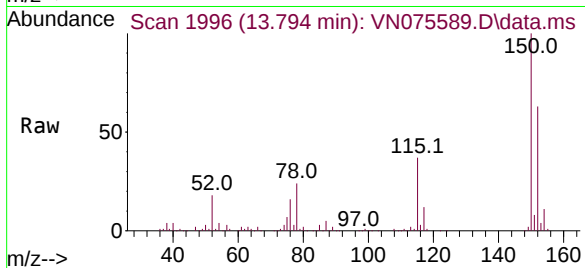




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075589.D
 Acq: 06 Dec 2022 17:02

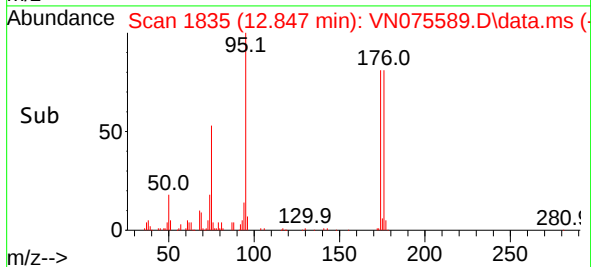
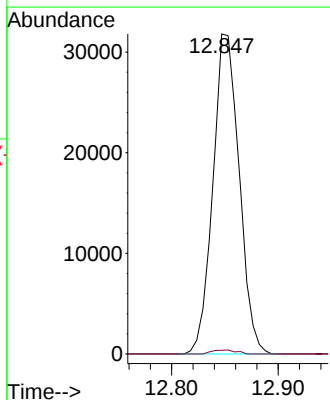
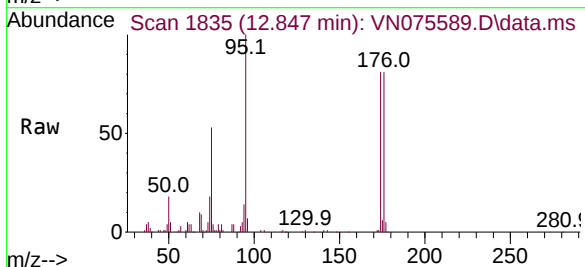
Instrument :
 MSVOA_N
 ClientSampleId :
 EDI-12-02-SIL

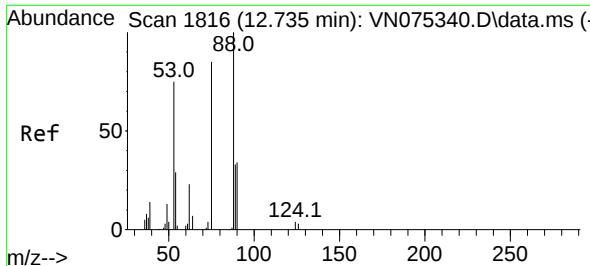
Tgt Ion:152 Resp: 128953
 Ion Ratio Lower Upper
 152 100
 115 56.3 30.2 90.6
 150 156.0 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 22.325 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075589.D
 Acq: 06 Dec 2022 17:02

Tgt Ion: 75 Resp: 54433
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.6 226.8#

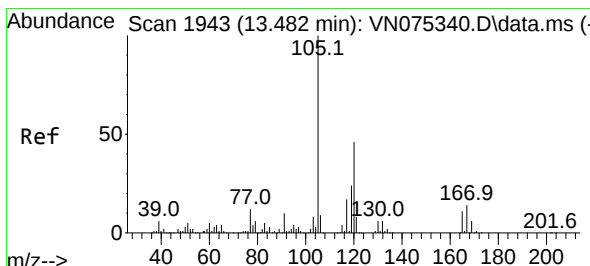
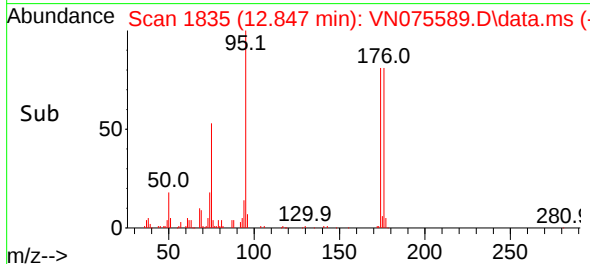
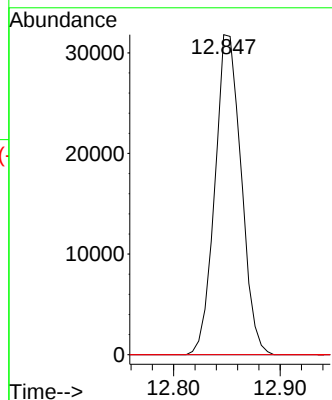
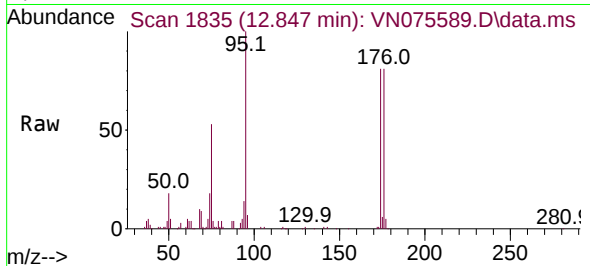




#81
trans-1,4-Dichloro-2-butene
Concen: 66.056 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Instrument :
MSVOA_N
ClientSampleId :
EDI-12-02-SIL

Tgt Ion: 75 Resp: 54433
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.209 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075589.D
Acq: 06 Dec 2022 17:02

Tgt Ion: 105 Resp: 1637
Ion Ratio Lower Upper
105 100
120 37.0 22.7 68.1

