

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041123\
 Data File : VN077299.D
 Acq On : 11 Apr 2023 12:59
 Operator : JC\MD
 Sample : PB151999ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151999ZHE#03

Quant Time: Apr 12 04:40:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

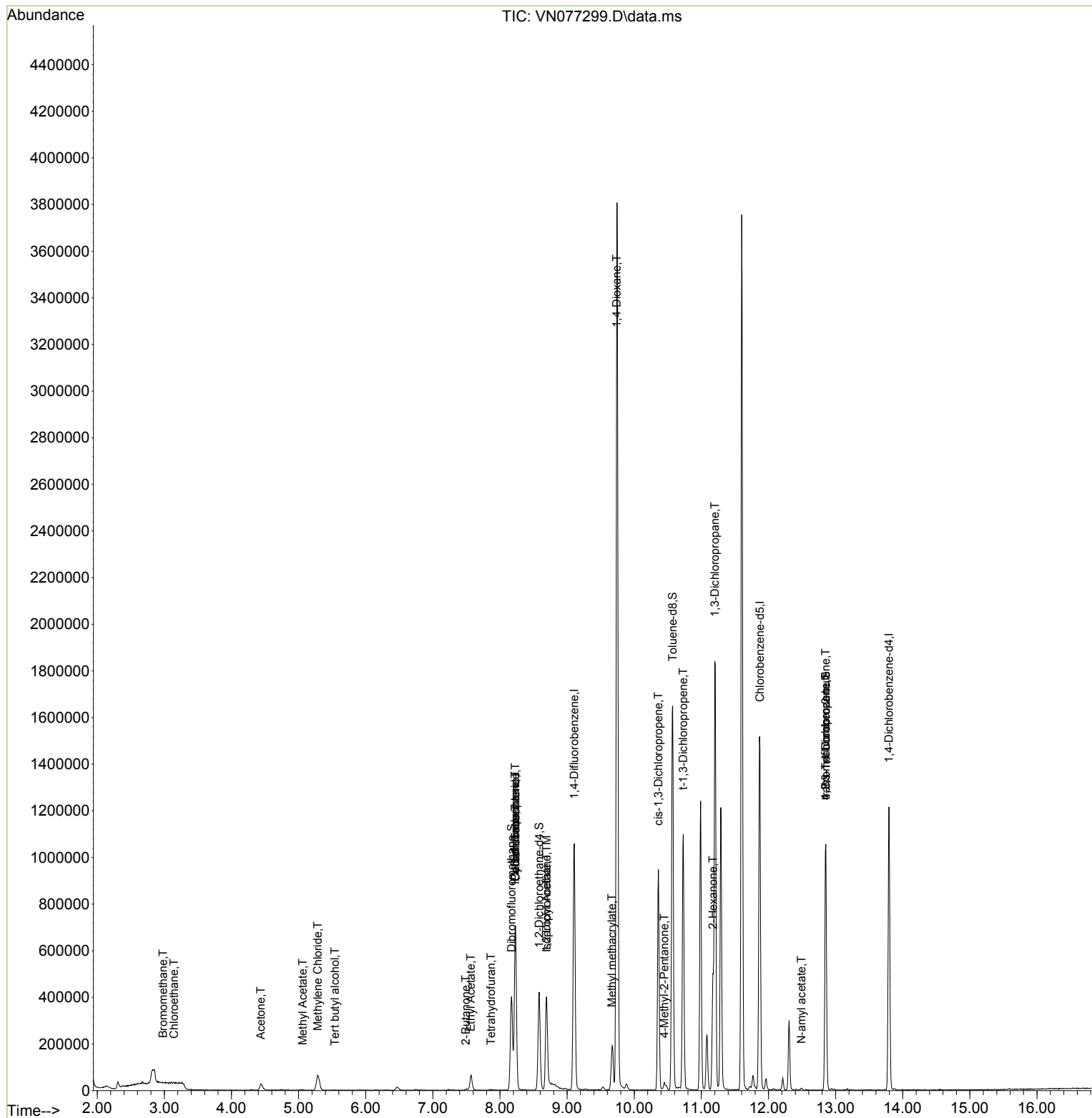
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	510475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	968819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	910965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	321056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	316780	45.404	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.800%
35) Dibromofluoromethane	8.172	113	293706	47.356	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.720%
50) Toluene-d8	10.572	98	1220467	48.882	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.854	95	379403	45.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.978	94	2722	0.343	ug/l #	69
6) Chloroethane	3.143	64	3765	0.482	ug/l #	71
11) Tert butyl alcohol	5.542	59	287	0.202	ug/l #	44
16) Acetone	4.437	43	51559	20.043	ug/l	100
18) Methyl Acetate	5.060	43	6060	0.619	ug/l #	84
20) Methylene Chloride	5.284	84	56505	7.778	ug/l	96
25) 2-Butanone	7.489	43	4068	0.974	ug/l #	70
29) Tetrahydrofuran	7.866	42	2332	0.869	ug/l #	52
31) Cyclohexane	8.230	56	12018	1.109	ug/l #	10
36) 1,1-Dichloropropene	8.225	75	46349	5.053	ug/l #	49
37) Ethyl Acetate	7.566	43	88839	10.825	ug/l	98
38) Carbon Tetrachloride	8.230	117	54057	5.752	ug/l #	14
42) 1,2-Dichloroethane	8.695	62	3403	0.386	ug/l	79
43) Isopropyl Acetate	8.695	43	464857	30.696	ug/l #	89
48) Methyl methacrylate	9.666	41	9854	1.525	ug/l #	5
49) 1,4-Dioxane	9.736	88	826	5.274	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	14916	1.704	ug/l #	82
53) t-1,3-Dichloropropene	10.730	75	3870	0.348	ug/l #	70
54) cis-1,3-Dichloropropene	10.360	75	188513	15.927	ug/l #	60
57) 1,3-Dichloropropane	11.201	76	21352	1.758	ug/l #	42
59) 2-Hexanone	11.171	43	353071	54.140	ug/l #	20
74) N-amyl acetate	12.489	43	4002	0.339	ug/l #	45
76) 1,2,3-Trichloropropane	12.854	75	202639	26.505	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	202639	59.646	ug/l #	13

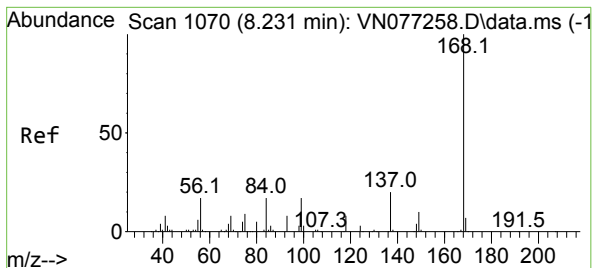
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 06 08:27:03 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

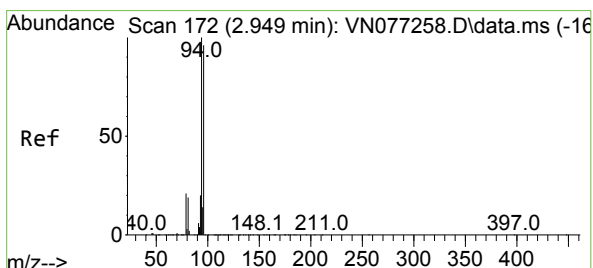
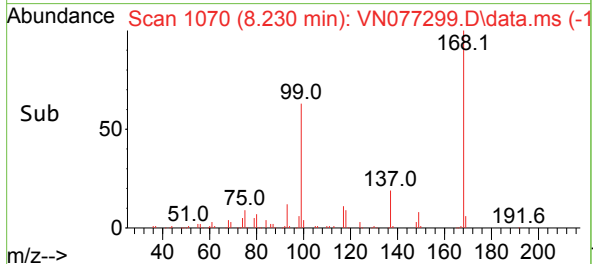
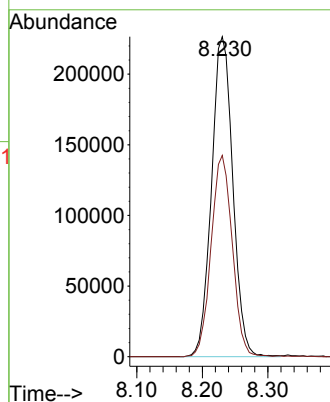
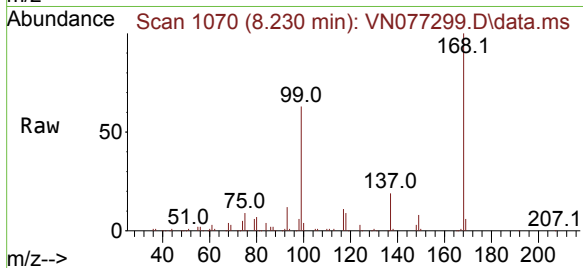
PB151999ZHE#03

Tgt Ion:168 Resp: 510475

Ion Ratio Lower Upper

168 100

99 62.9 50.6 75.8



#5

Bromomethane

Concen: 0.343 ug/l

RT: 2.978 min Scan# 177

Delta R.T. 0.029 min

Lab File: VN077299.D

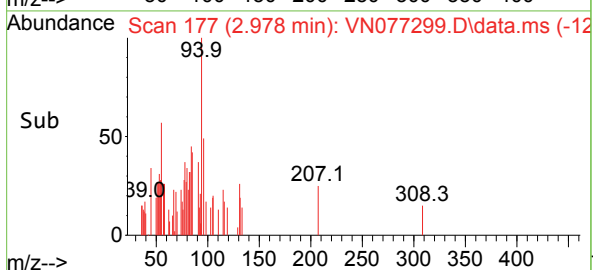
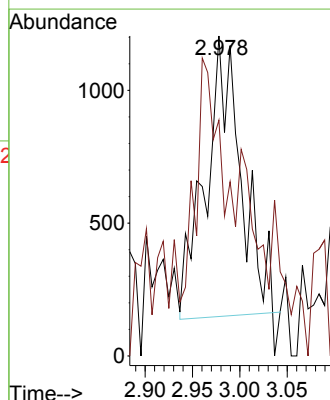
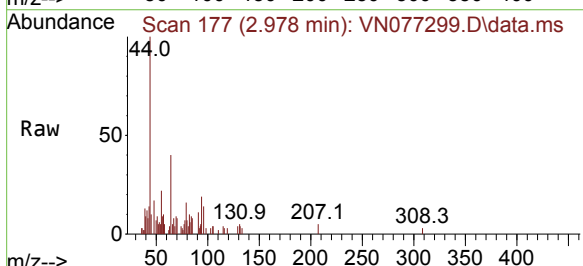
Acq: 11 Apr 2023 12:59

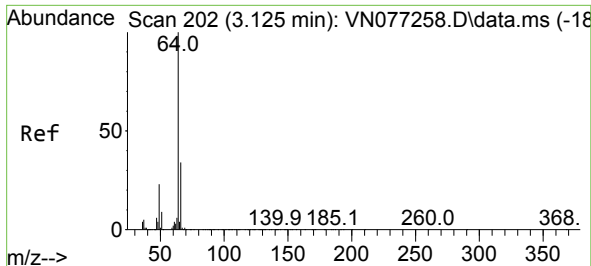
Tgt Ion: 94 Resp: 2722

Ion Ratio Lower Upper

94 100

96 65.9 77.0 115.4#

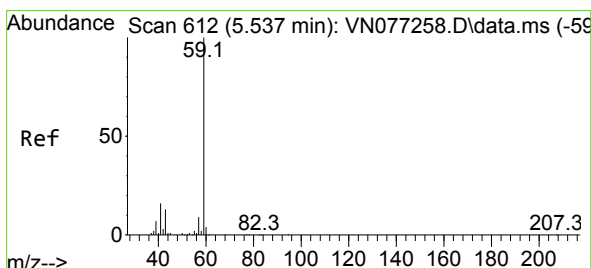
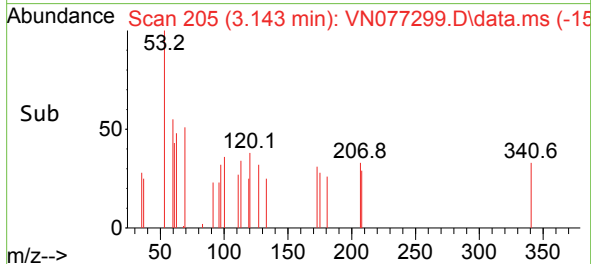
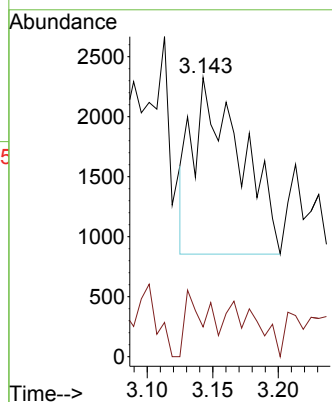
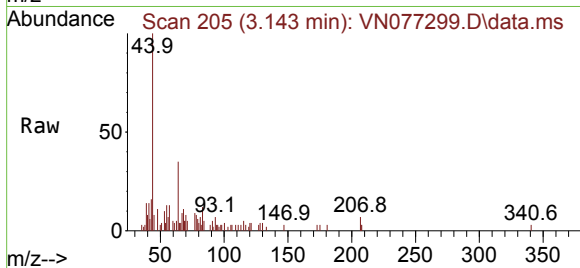




#6
Chloroethane
Concen: 0.482 ug/l
RT: 3.143 min Scan# 205
Delta R.T. 0.018 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

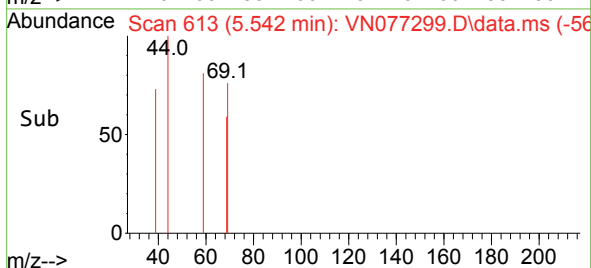
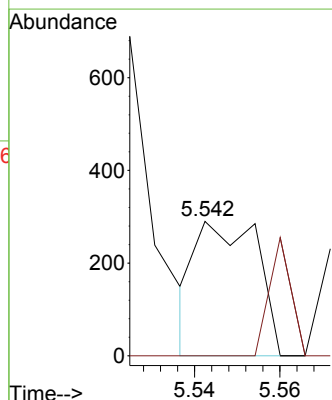
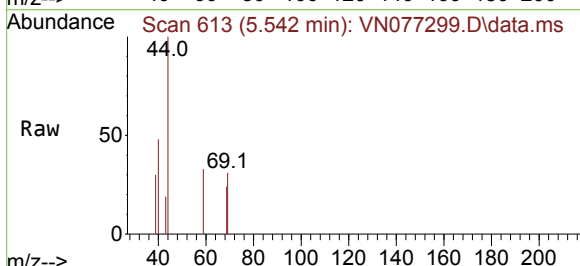
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#03

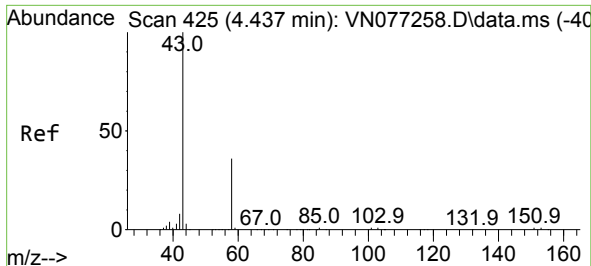
Tgt Ion: 64 Resp: 3765
Ion Ratio Lower Upper
64 100
66 16.9 26.9 40.3#



#11
Tert butyl alcohol
Concen: 0.202 ug/l
RT: 5.542 min Scan# 613
Delta R.T. 0.005 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 31.4 8.3 12.5#

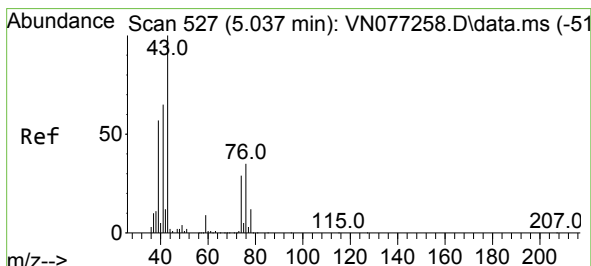
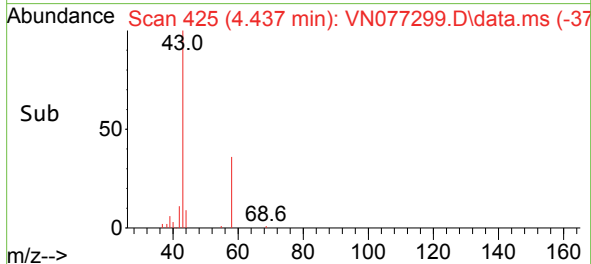
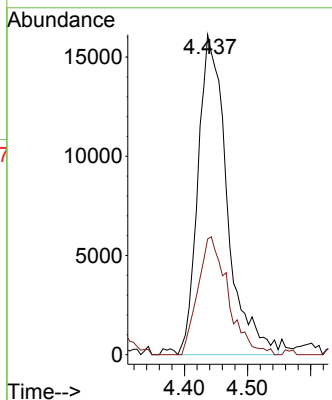
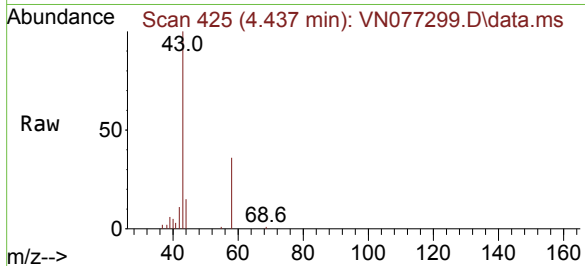




#16
Acetone
Concen: 20.043 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

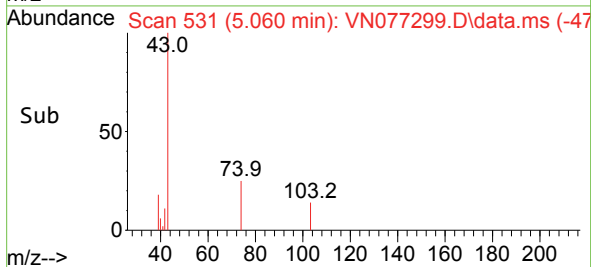
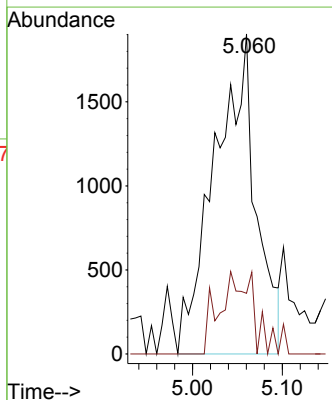
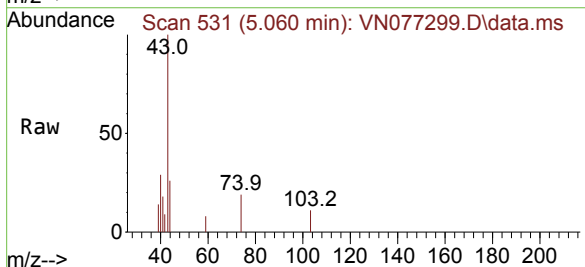
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#03

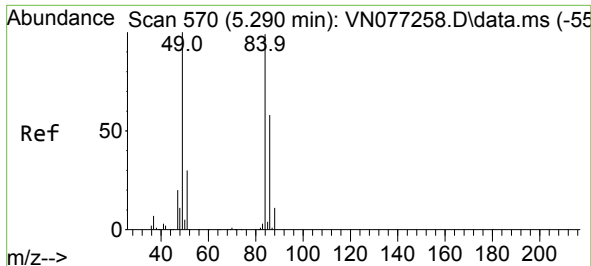
Tgt Ion: 43 Resp: 51559
Ion Ratio Lower Upper
43 100
58 36.2 29.0 43.6



#18
Methyl Acetate
Concen: 0.619 ug/l
RT: 5.060 min Scan# 531
Delta R.T. 0.023 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 43 Resp: 6060
Ion Ratio Lower Upper
43 100
74 20.9 23.4 35.2#

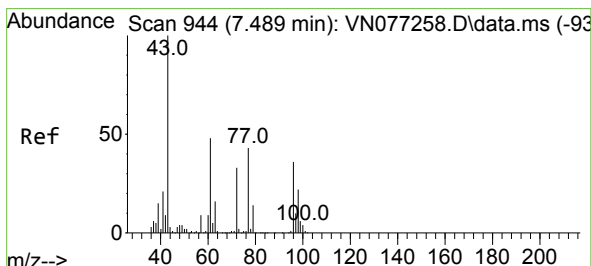
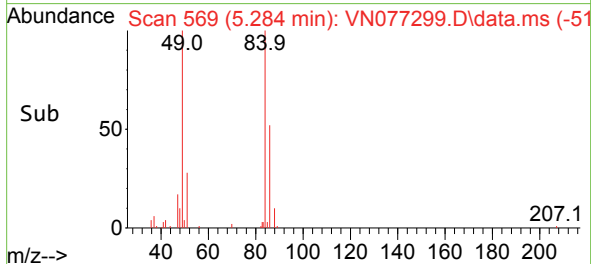
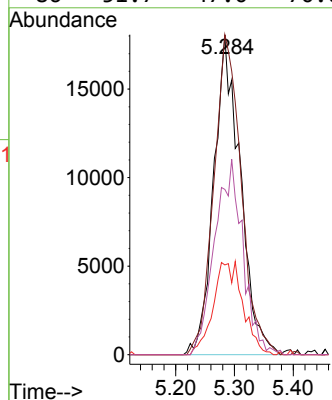
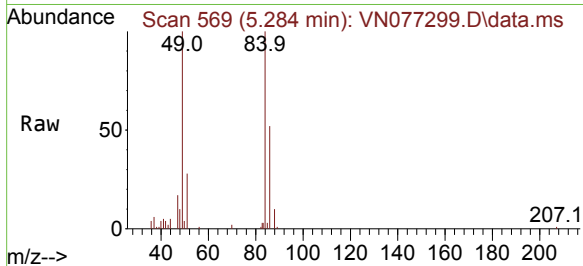




#20
Methylene Chloride
Concen: 7.778 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

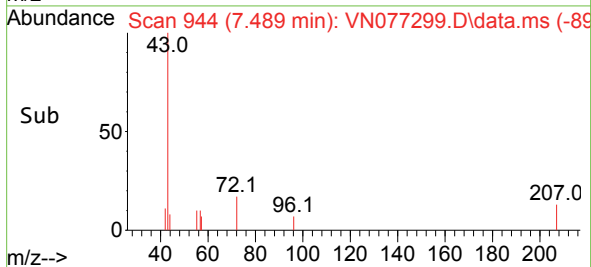
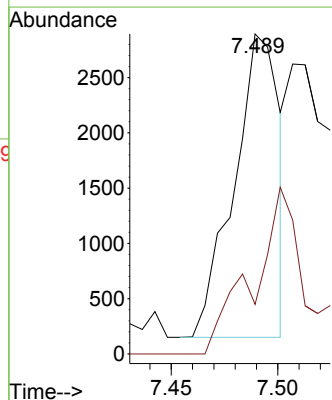
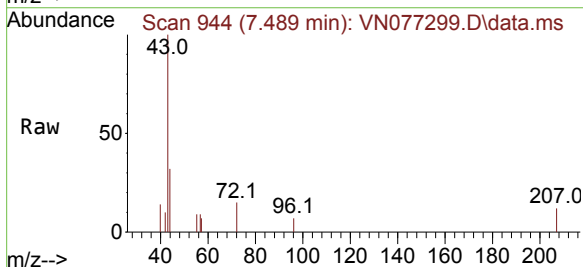
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MSVOA_N
ClientSampleId :
PB151999ZHE#03

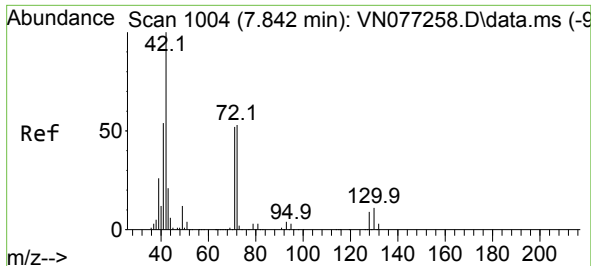
Tgt Ion:	84	Resp:	56505
Ion	Ratio	Lower	Upper
84	100		
49	100.1	80.6	121.0
51	28.1	24.4	36.6
86	51.7	47.0	70.6



#25
2-Butanone
Concen: 0.974 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion:	43	Resp:	4068
Ion	Ratio	Lower	Upper
43	100		
72	16.3	26.6	39.8#





#29

Tetrahydrofuran

Concen: 0.869 ug/l

RT: 7.866 min Scan# 1008

Delta R.T. 0.024 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

PB151999ZHE#03

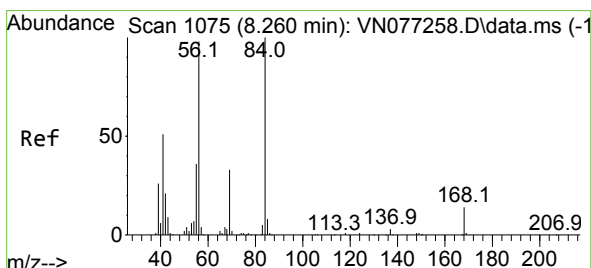
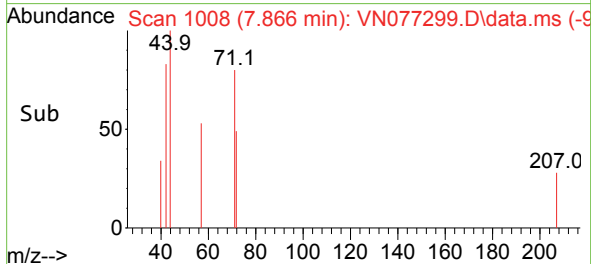
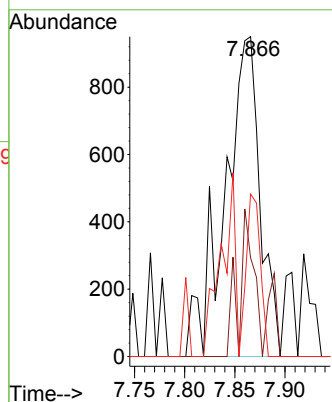
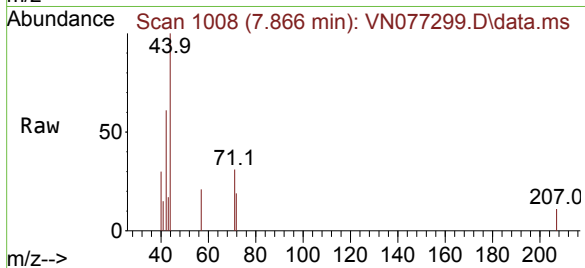
Tgt Ion: 42 Resp: 2332

Ion Ratio Lower Upper

42 100

72 19.1 44.6 66.8#

71 20.3 41.3 61.9#



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.030 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

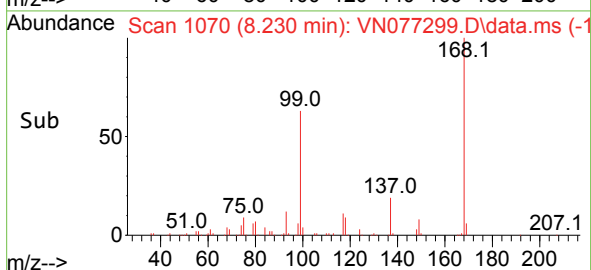
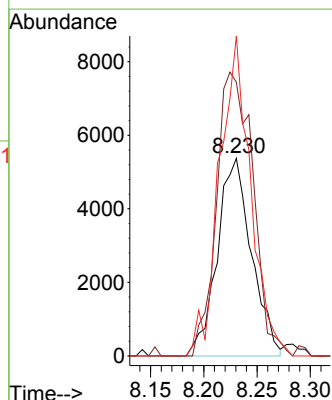
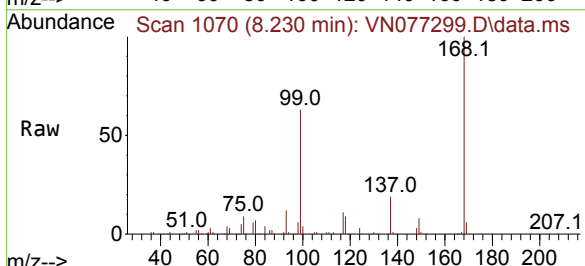
Tgt Ion: 56 Resp: 12018

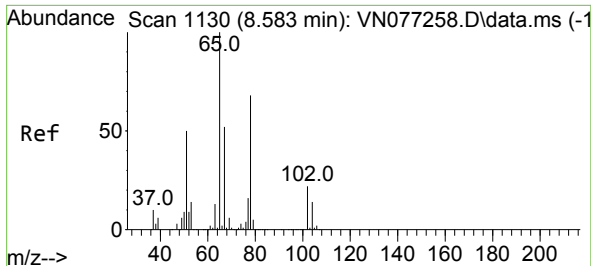
Ion Ratio Lower Upper

56 100

69 138.6 26.6 40.0#

84 161.9 81.8 122.8#

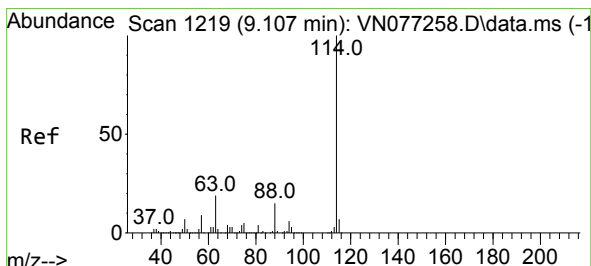
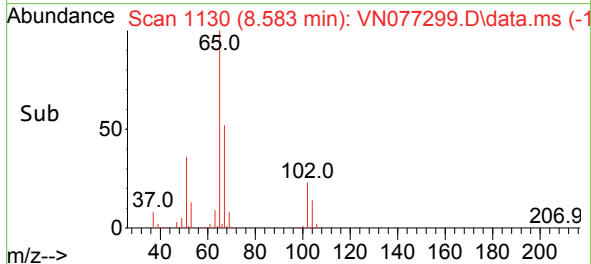
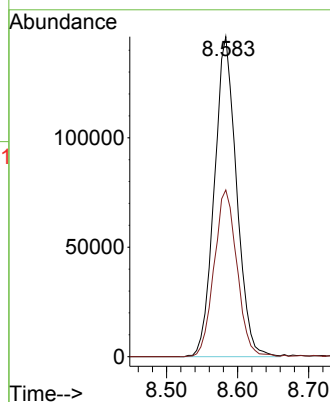
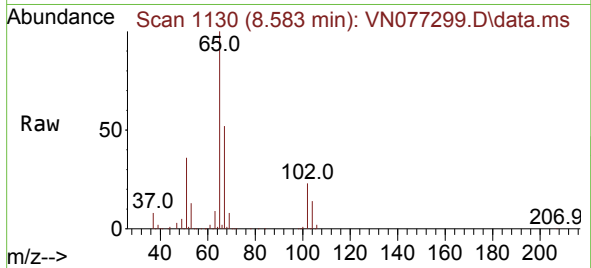




#33
1,2-Dichloroethane-d4
Concen: 45.404 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

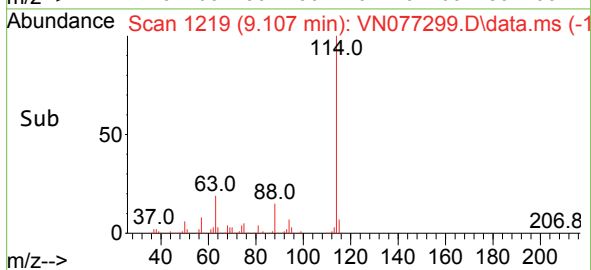
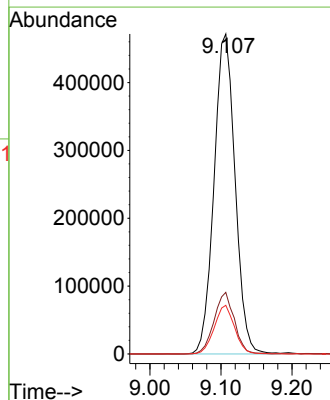
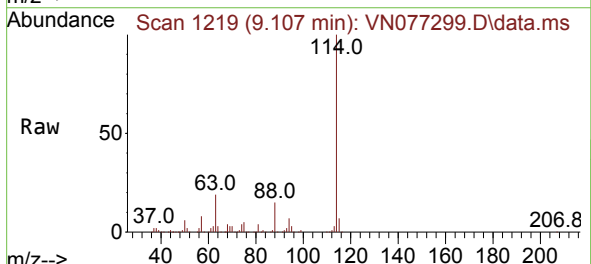
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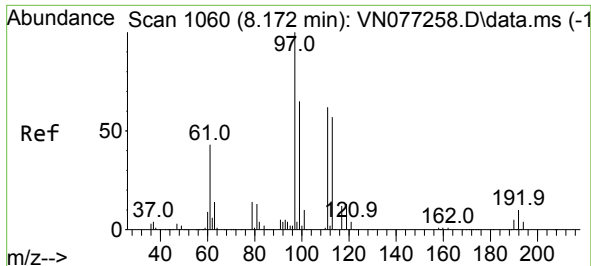
Tgt Ion: 65 Resp: 316780
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 114 Resp: 968819
Ion Ratio Lower Upper
114 100
63 19.2 0.0 37.8
88 15.2 0.0 29.4

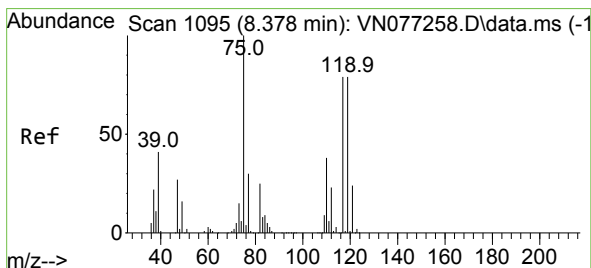
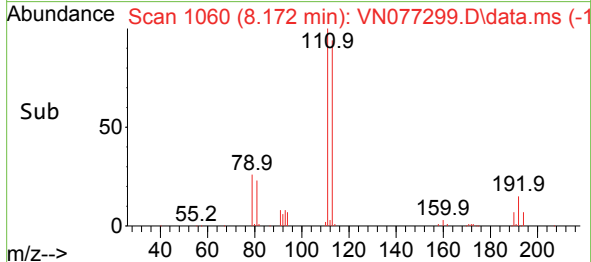
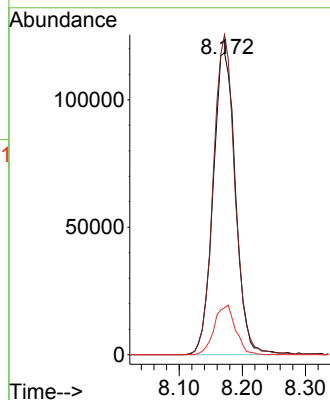
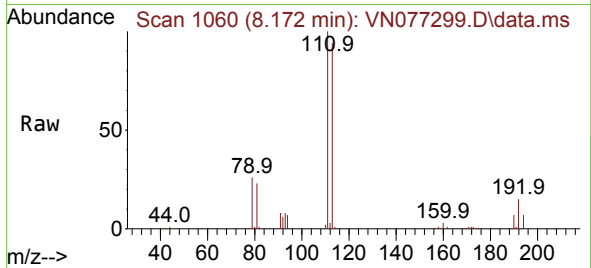




#35
 Dibromofluoromethane
 Concen: 47.356 ug/l
 RT: 8.172 min Scan# 1060
 Delta R.T. -0.000 min
 Lab File: VN077299.D
 Acq: 11 Apr 2023 12:59

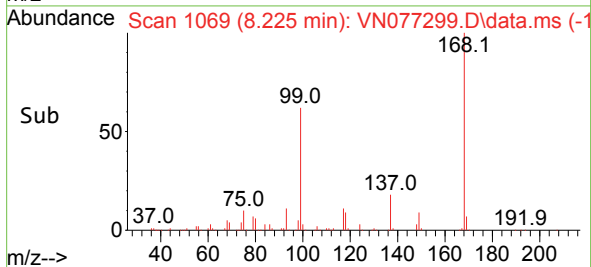
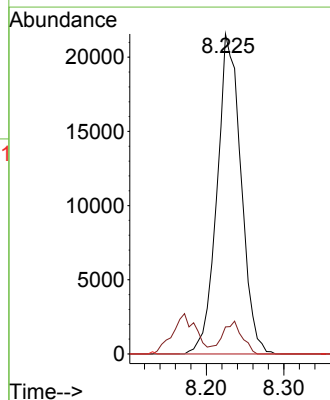
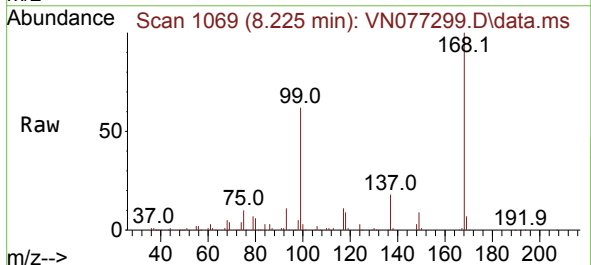
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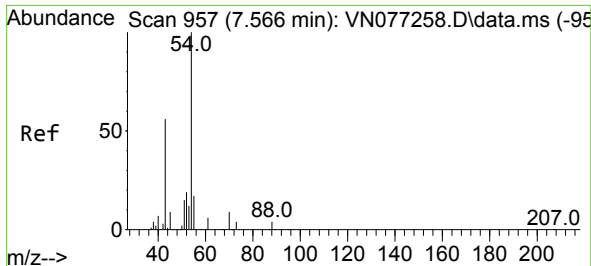
Tgt Ion:113 Resp: 293706
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.0
 192 15.4 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 8.225 min Scan# 1069
 Delta R.T. -0.153 min
 Lab File: VN077299.D
 Acq: 11 Apr 2023 12:59

Tgt Ion: 75 Resp: 46349
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.8 53.5#
 77 0.0 25.0 37.4#

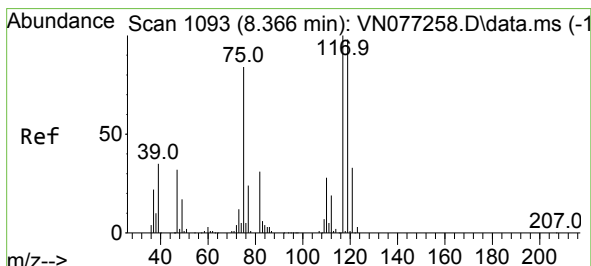
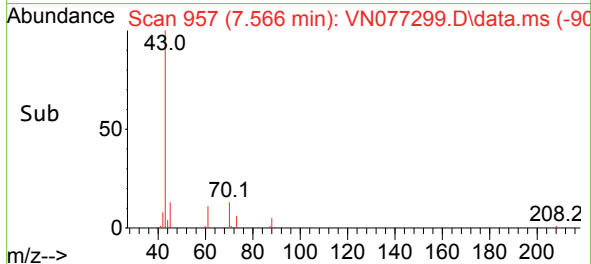
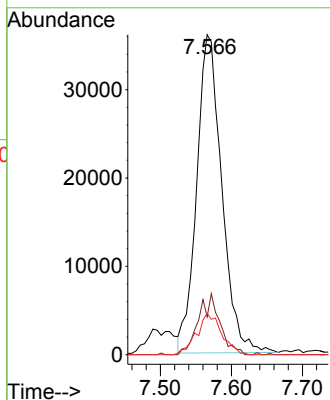
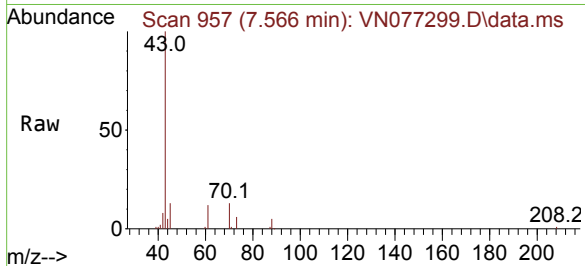




#37
Ethyl Acetate
Concen: 10.825 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

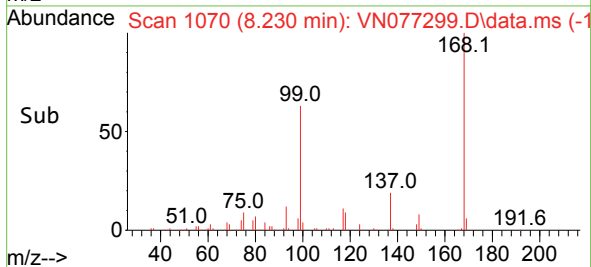
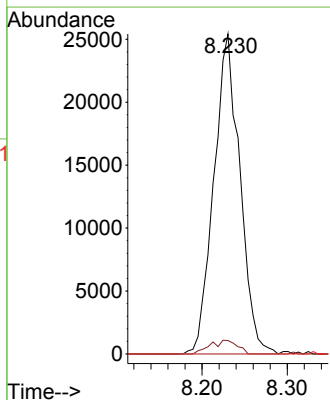
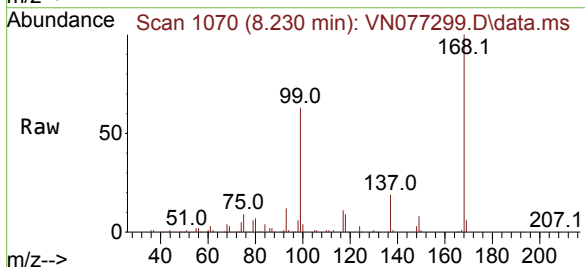
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#03

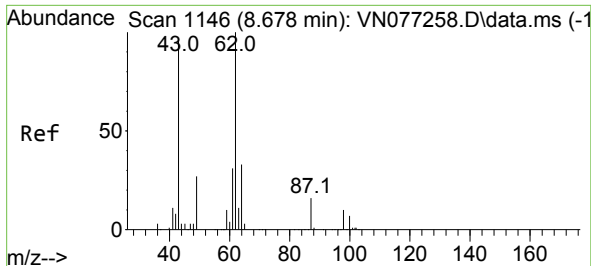
Tgt Ion: 43 Resp: 88839
Ion Ratio Lower Upper
43 100
61 16.4 12.2 18.2
70 12.9 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.136 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 117 Resp: 54057
Ion Ratio Lower Upper
117 100
119 4.2 78.5 117.7#
121 0.0 26.6 40.0#





#42

1,2-Dichloroethane

Concen: 0.386 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.017 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

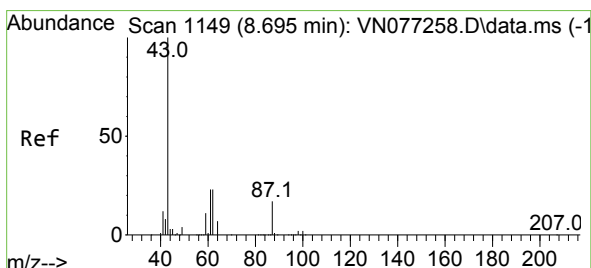
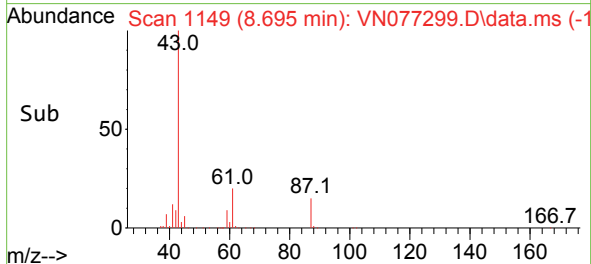
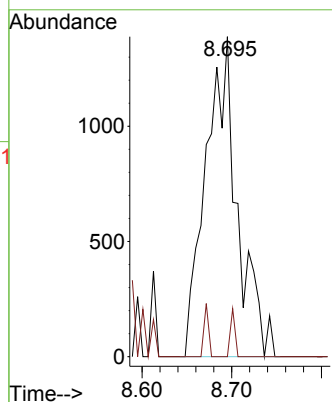
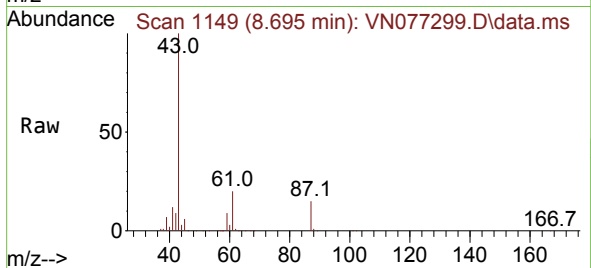
PB151999ZHE#03

Tgt Ion: 62 Resp: 3403

Ion Ratio Lower Upper

62 100

98 2.1 0.0 20.2



#43

Isopropyl Acetate

Concen: 30.696 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

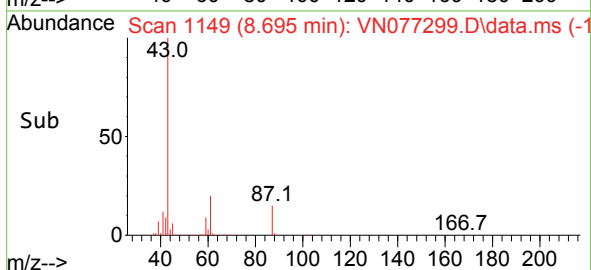
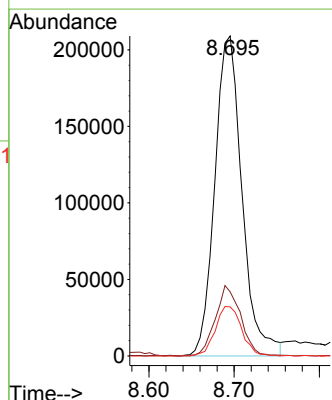
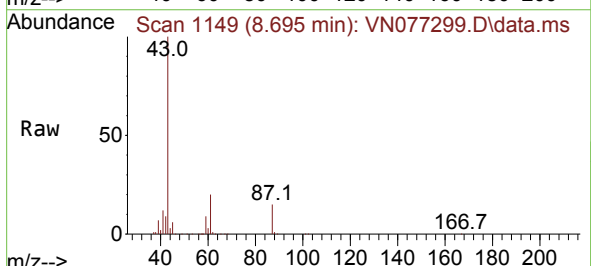
Tgt Ion: 43 Resp: 464857

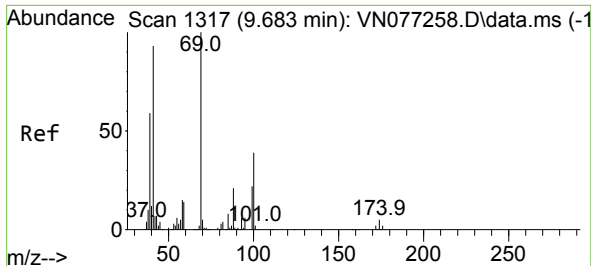
Ion Ratio Lower Upper

43 100

61 20.4 22.7 34.1#

87 14.9 13.6 20.4

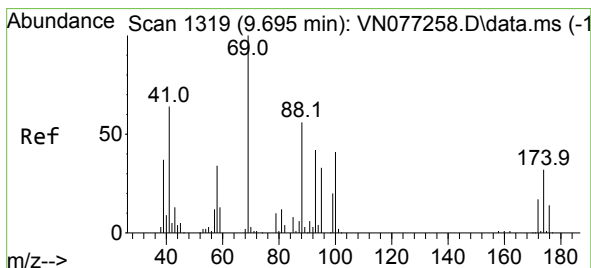
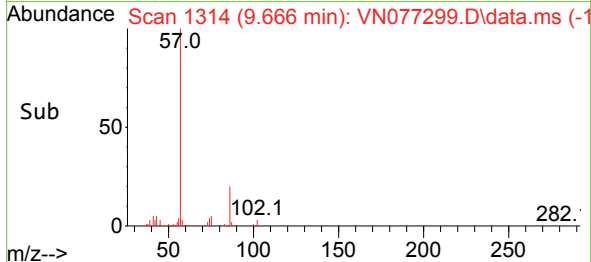
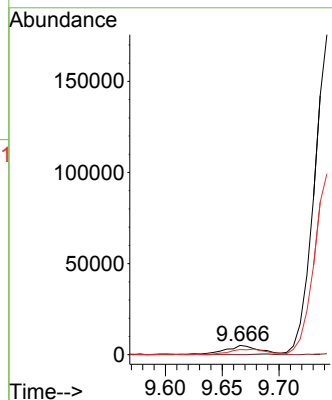
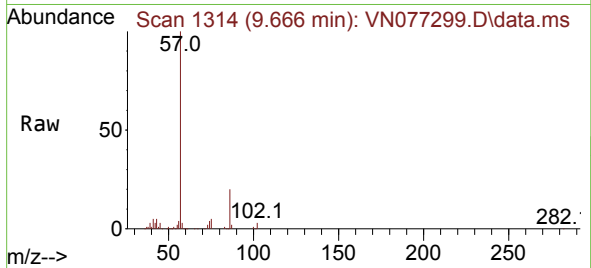




#48
Methyl methacrylate
Concen: 1.525 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.017 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

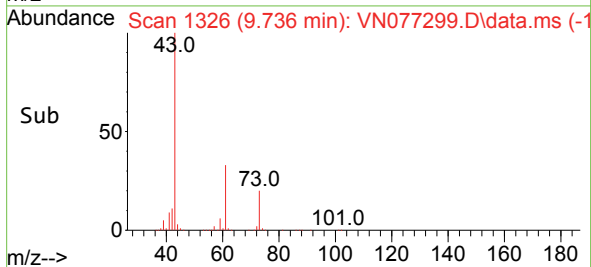
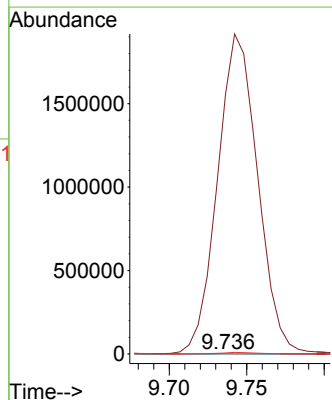
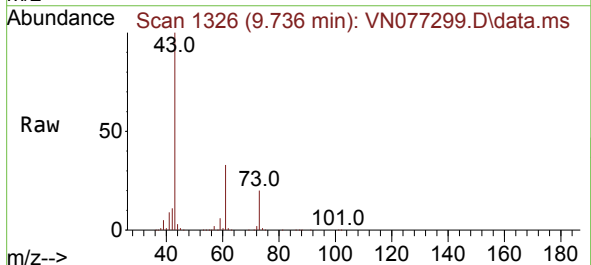
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#03

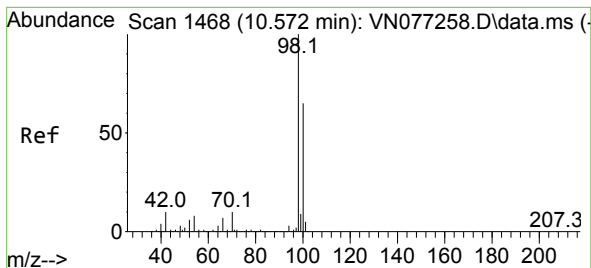
Tgt Ion: 41 Resp: 9854
Ion Ratio Lower Upper
41 100
69 0.0 85.0 127.6#
39 0.0 53.5 80.3#



#49
1,4-Dioxane
Concen: 5.274 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.041 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 88 Resp: 826
Ion Ratio Lower Upper
88 100
43 420084.5 17.0 25.6#
58 1882.0 49.8 74.6#





#50

Toluene-d8

Concen: 48.882 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

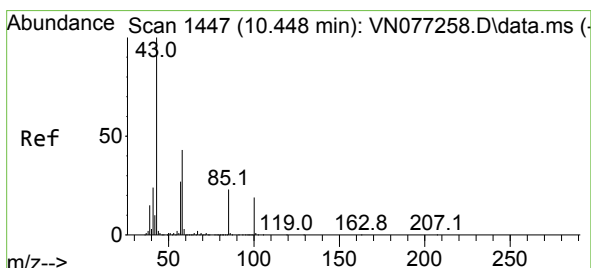
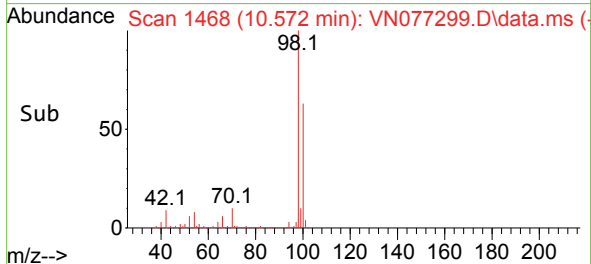
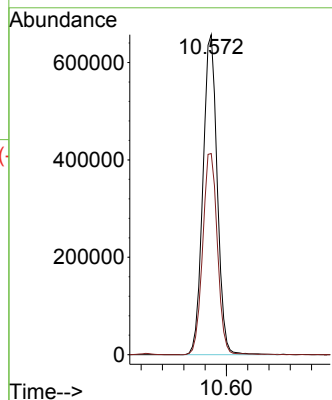
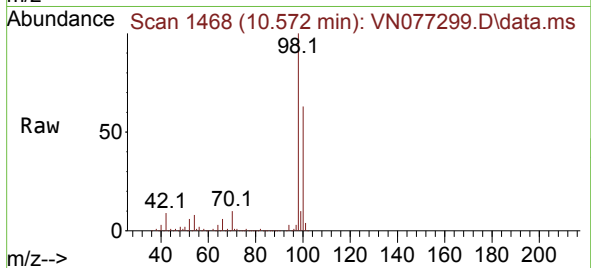
PB151999ZHE#03

Tgt Ion: 98 Resp: 1220467

Ion Ratio Lower Upper

98 100

100 64.8 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.704 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN077299.D

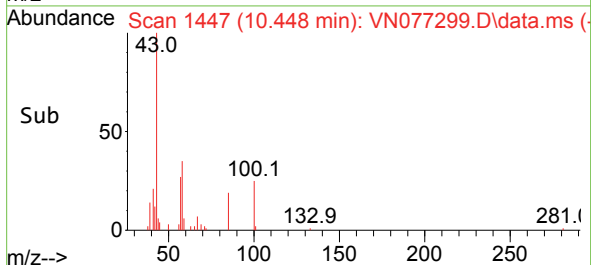
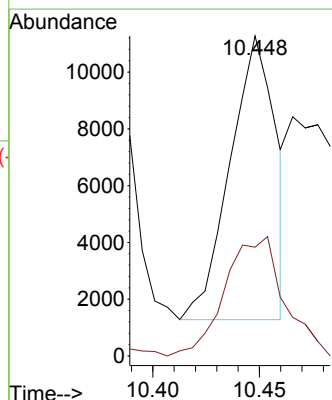
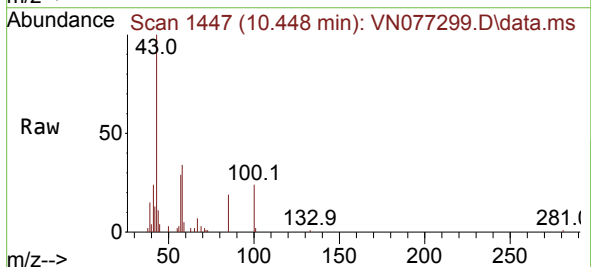
Acq: 11 Apr 2023 12:59

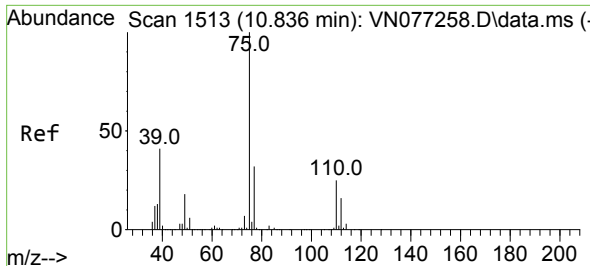
Tgt Ion: 43 Resp: 14916

Ion Ratio Lower Upper

43 100

58 54.9 34.6 52.0#

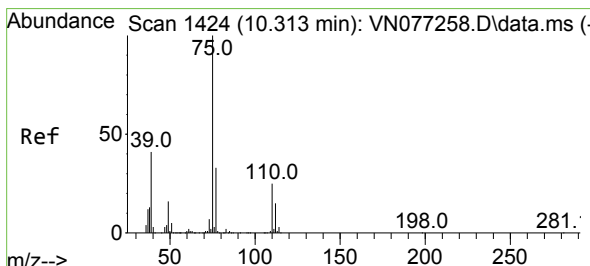
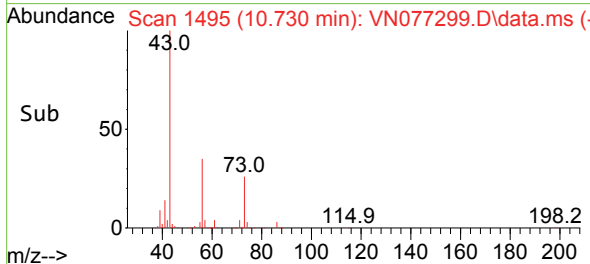
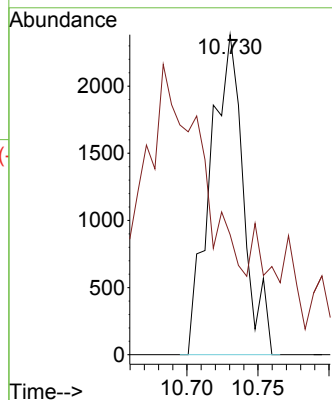
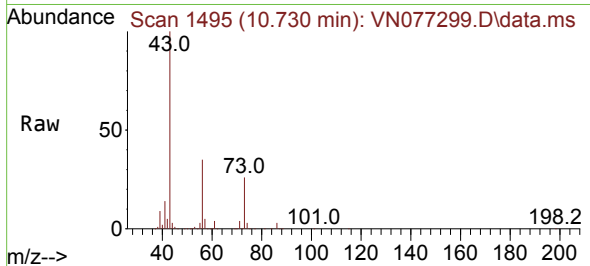




#53
t-1,3-Dichloropropene
Concen: 0.348 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

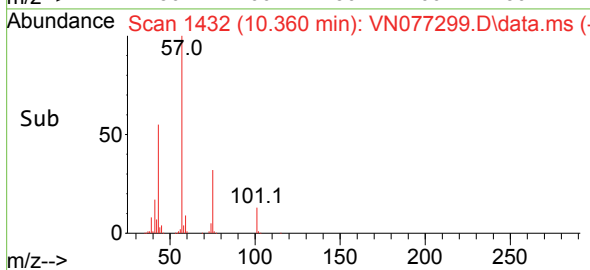
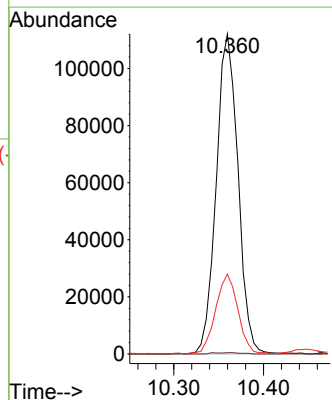
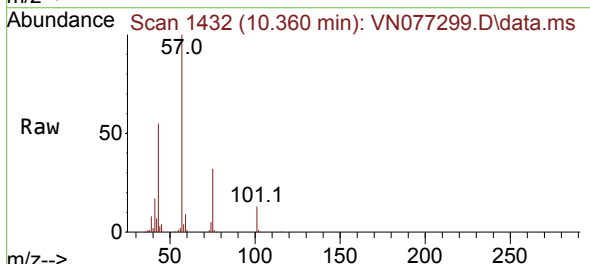
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#03

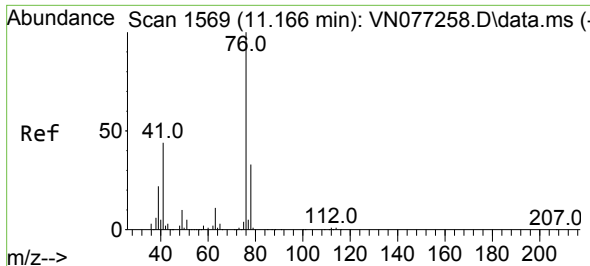
Tgt Ion: 75 Resp: 3870
Ion Ratio Lower Upper
75 100
77 15.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 15.927 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 75 Resp: 188513
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 24.8 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 1.758 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

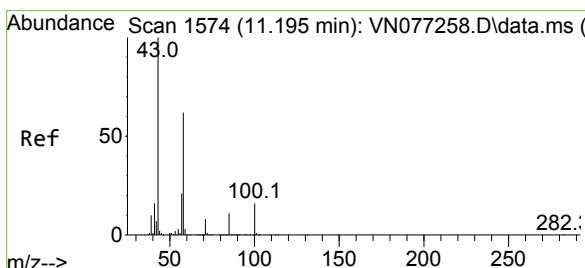
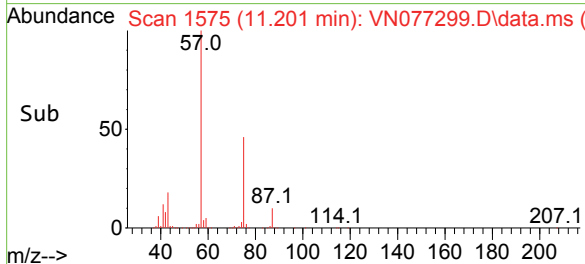
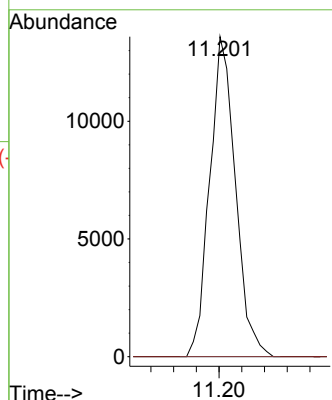
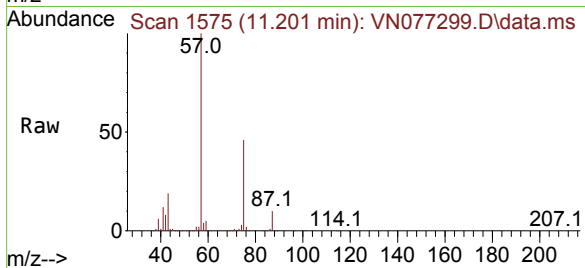
PB151999ZHE#03

Tgt Ion: 76 Resp: 21352

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 54.140 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077299.D

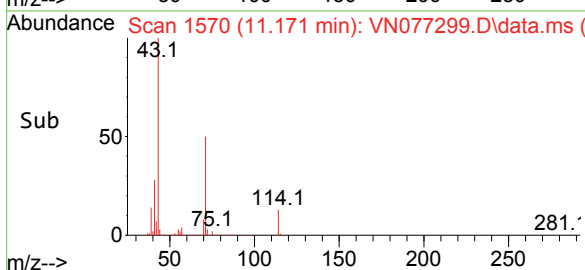
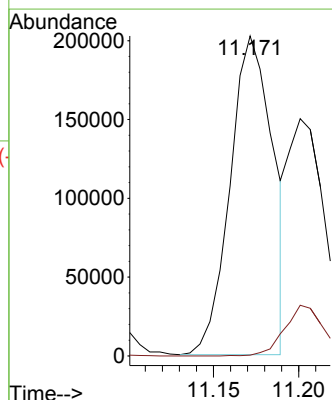
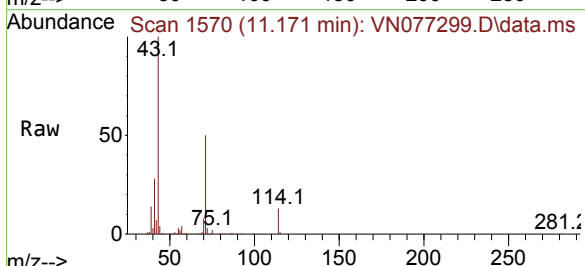
Acq: 11 Apr 2023 12:59

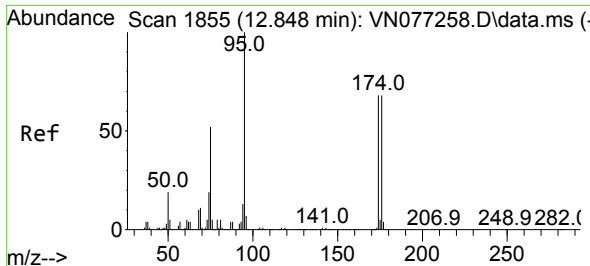
Tgt Ion: 43 Resp: 353071

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

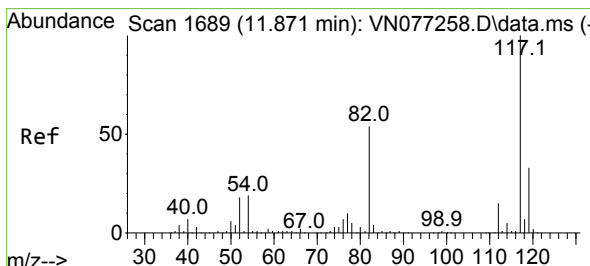
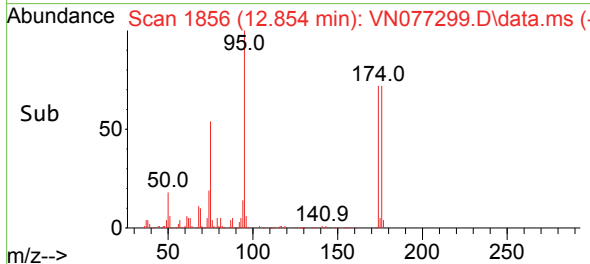
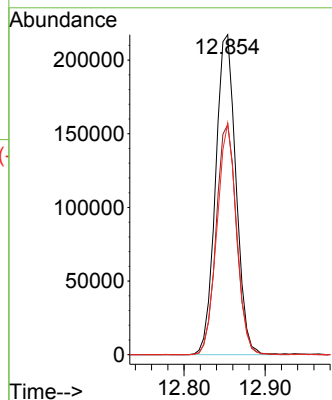
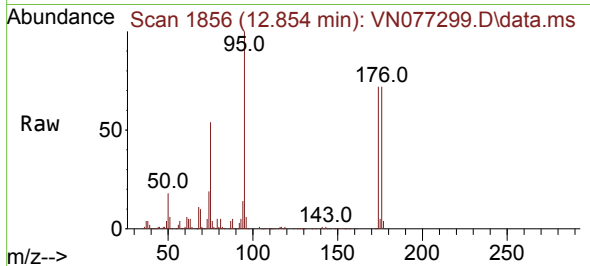




#62
4-Bromofluorobenzene
Concen: 45.690 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

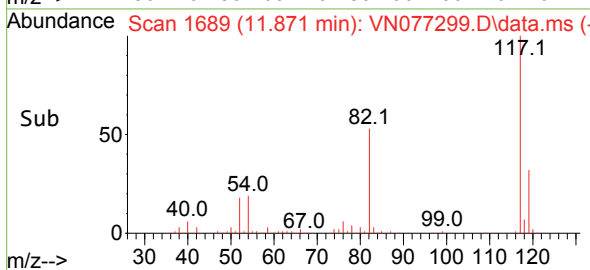
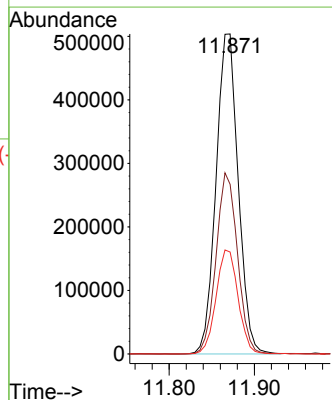
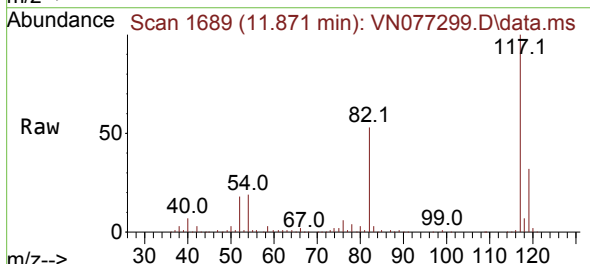
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#03

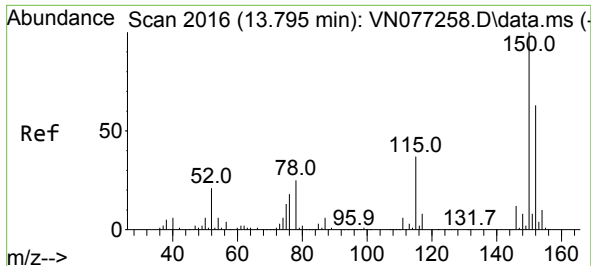
Tgt Ion: 95 Resp: 379403
Ion Ratio Lower Upper
95 100
174 71.5 0.0 146.8
176 69.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 117 Resp: 910965
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 31.9 26.2 39.4

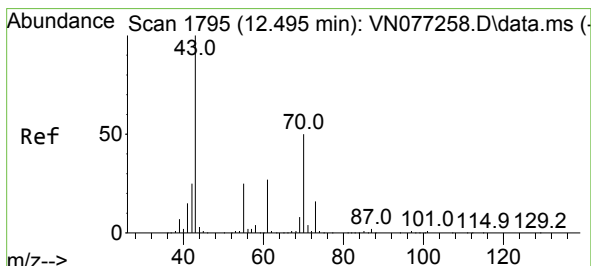
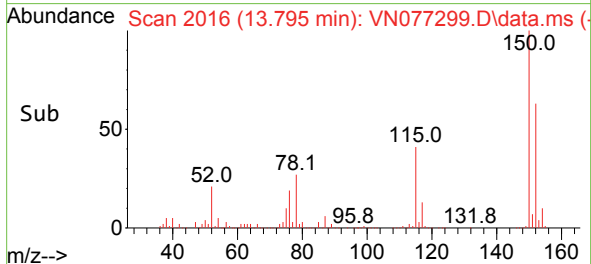
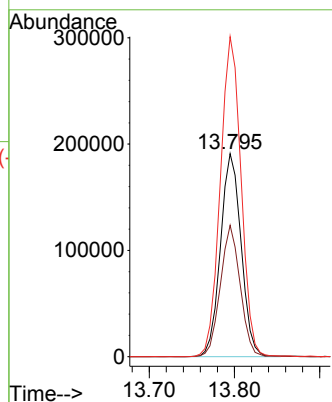
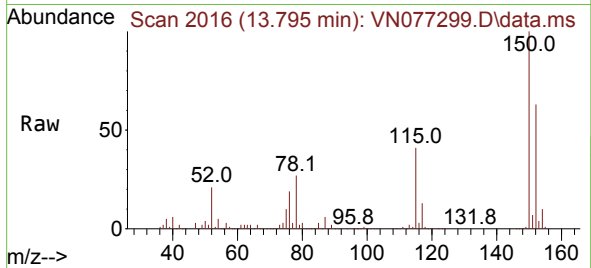




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

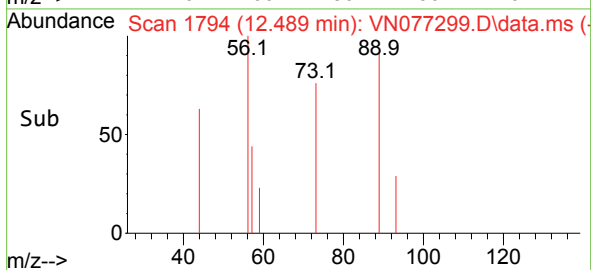
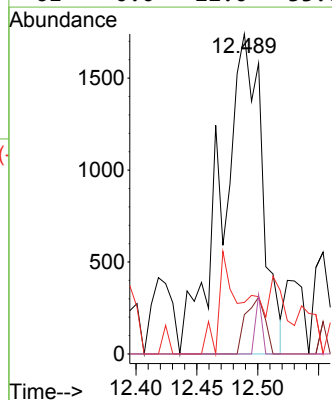
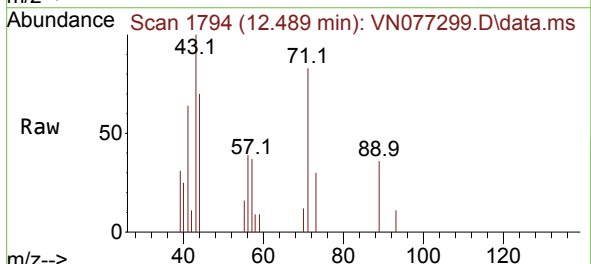
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#03

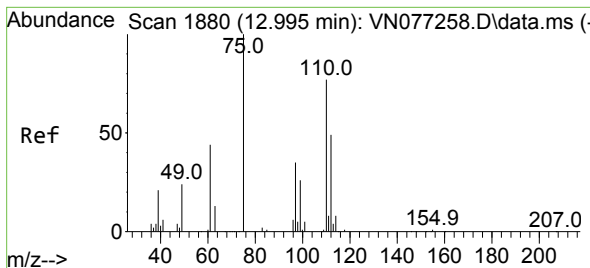
Tgt Ion:152 Resp: 321056
Ion Ratio Lower Upper
152 100
115 62.3 32.1 96.3
150 158.7 0.0 354.8



#74
N-ethyl acetate
Concen: 0.339 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077299.D
Acq: 11 Apr 2023 12:59

Tgt Ion: 43 Resp: 4002
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 14.5 19.3 28.9#
61 0.0 22.0 33.0#





#76

1,2,3-Trichloropropane

Concen: 26.505 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

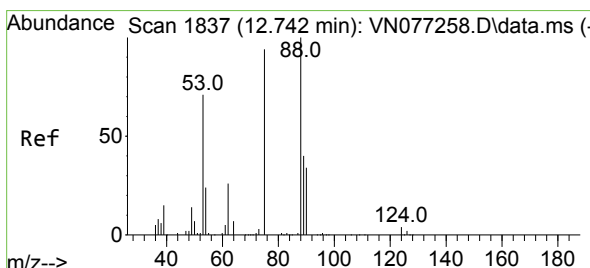
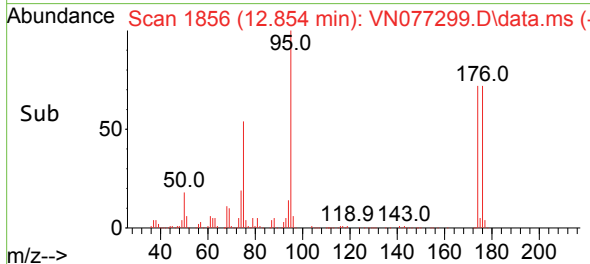
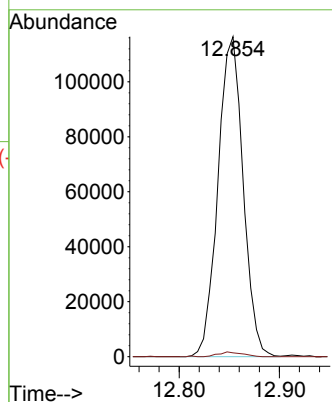
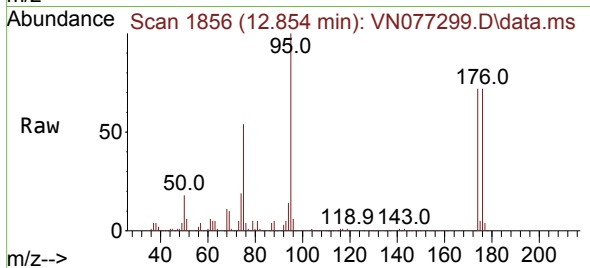
PB151999ZHE#03

Tgt Ion: 75 Resp: 202639

Ion Ratio Lower Upper

75 100

77 1.4 88.3 264.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.646 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077299.D

Acq: 11 Apr 2023 12:59

Tgt Ion: 75 Resp: 202639

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 37.4 56.2#

