

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
 Data File : VN078013.D
 Acq On : 01 Jun 2023 16:26
 Operator : JC\MD
 Sample : 02958-01
 Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ORA-0588

Quant Time: Jun 02 01:53:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	401325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	725541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	653169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	290550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	260869	43.443	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.880%		
35) Dibromofluoromethane	8.171	113	217759	46.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.060%		
50) Toluene-d8	10.576	98	881048	48.381	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.760%		
62) 4-Bromofluorobenzene	12.859	95	342925	53.319	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1250	Below Cal		89
10) Methyl Iodide	4.571	142	1778	0.336 ug/l #		40
11) Tert butyl alcohol	5.489	59	6281	7.579 ug/l #		75
13) Acrolein	4.171	56	59	Below Cal #		16
16) Acetone	4.459	43	5970	3.160 ug/l		95
17) Carbon Disulfide	4.659	76	2559	0.225 ug/l #		75
18) Methyl Acetate	5.041	43	7706	0.972 ug/l		91
20) Methylene Chloride	5.271	84	7469	Below Cal #		90
25) 2-Butanone	7.506	43	6108	2.067 ug/l #		65
29) Tetrahydrofuran	7.853	42	2137	1.104 ug/l #		20
31) Cyclohexane	8.218	56	312703	38.315 ug/l #		39
36) 1,1-Dichloropropene	8.229	75	34339	4.962 ug/l #		40
38) Carbon Tetrachloride	8.224	117	42508	6.083 ug/l #		13
39) Methylcyclohexane	9.606	83	220947	26.080 ug/l		92
40) Benzene	8.612	78	7045	0.345 ug/l #		85
41) Methacrylonitrile	7.871	41	1019	0.310 ug/l #		15
43) Isopropyl Acetate	8.706	43	154376	15.323 ug/l #		50
45) 1,2-Dichloropropane	9.612	63	2286	0.439 ug/l #		1
47) Bromodichloromethane	9.782	83	4172	0.585 ug/l #		26
48) Methyl methacrylate	9.606	41	121561	25.449 ug/l #		58
49) 1,4-Dioxane	9.712	88	56	0.621 ug/l #		30
51) 4-Methyl-2-Pentanone	10.347	43	29126	4.864 ug/l #		37
52) Toluene	10.641	92	13449153	1057.903 ug/l		80
53) t-1,3-Dichloropropene	10.641	75	162816	21.546 ug/l #		1
55) 1,1,2-Trichloroethane	11.012	97	46416	9.195 ug/l #		22
56) Ethyl methacrylate	10.865	69	3047	0.399 ug/l #		32
59) 2-Hexanone	11.176	43	22657	5.115 ug/l #		21
64) Tetrachloroethene	11.112	164	1002	0.219 ug/l #		67
67) Ethyl Benzene	11.970	91	668252	26.335 ug/l		98
68) m/p-Xylenes	12.076	106	718645	74.743 ug/l		98
69) o-Xylene	12.406	106	326836	34.565 ug/l		97
70) Styrene	12.406	104	20689	1.377 ug/l #		1
73) Isopropylbenzene	12.706	105	140085	5.593 ug/l		98
74) N-amyl acetate	12.494	43	35774	3.864 ug/l #		48
75) 1,1,2,2-Tetrachloroethane	12.941	83	5956	0.773 ug/l #		73
76) 1,2,3-Trichloropropane	13.100	75	11316	1.555 ug/l #		1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

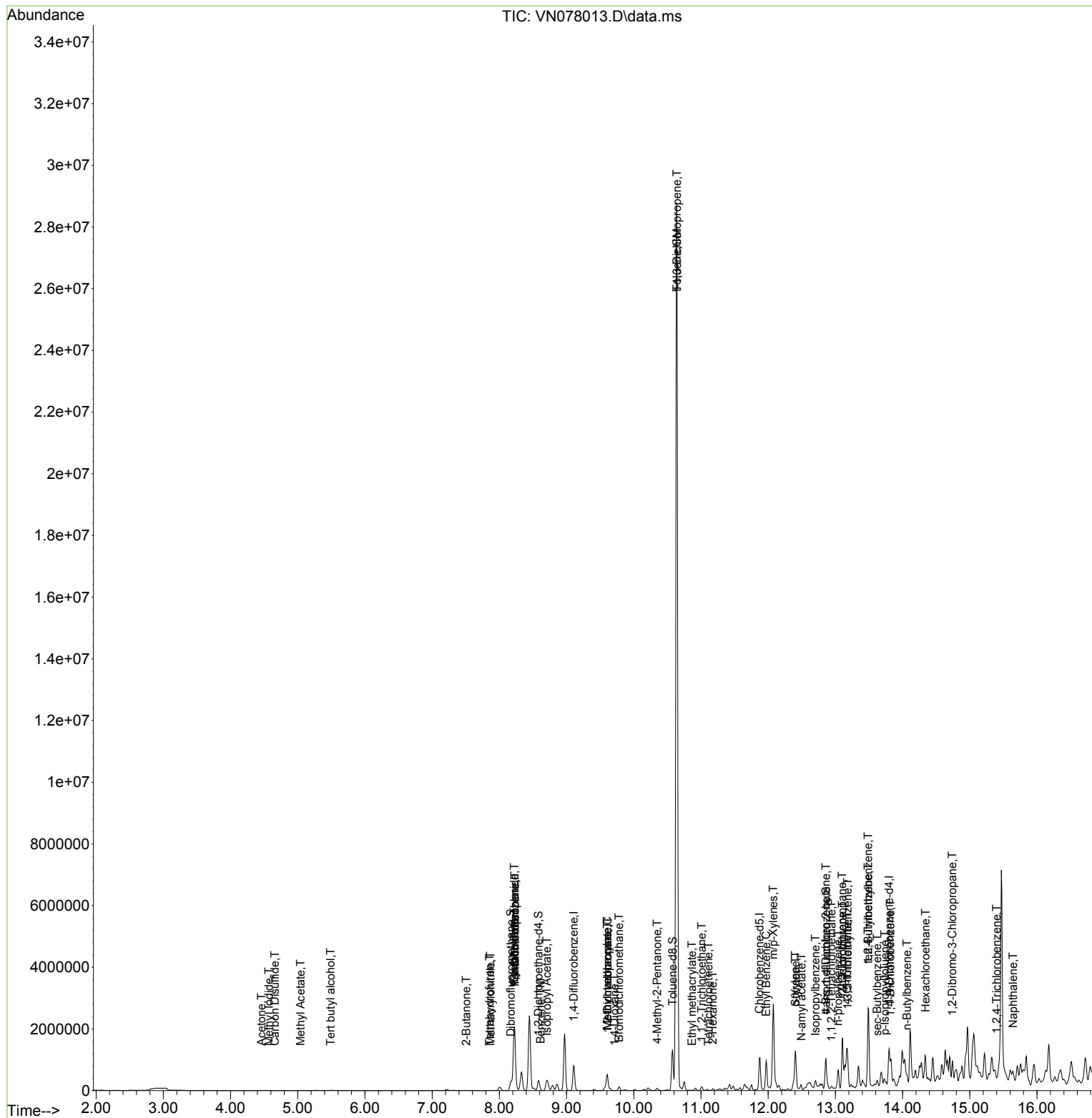
78) n-propylbenzene	13.041	91	441042	14.937	ug/l	100
79) 2-Chlorotoluene	13.106	91	182080	10.334	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.182	105	393040	18.672	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.859	75	177964	78.179	ug/l #	16
82) 4-Chlorotoluene	13.176	91	42367	2.417	ug/l #	42
83) tert-Butylbenzene	13.488	119	186819	10.166	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.488	105	1521528	73.496	ug/l	98
85) sec-Butylbenzene	13.623	105	122415	4.687	ug/l	83
86) p-Isopropyltoluene	13.735	119	70018	3.363	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	2684	0.256	ug/l #	1
89) n-Butylbenzene	14.064	91	188708	9.854	ug/l #	83
90) Hexachloroethane	14.341	117	44064	12.883	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.741	75	1300	0.871	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.400	180	3591	0.622	ug/l #	1
95) Naphthalene	15.647	128	220542	11.104	ug/l #	95

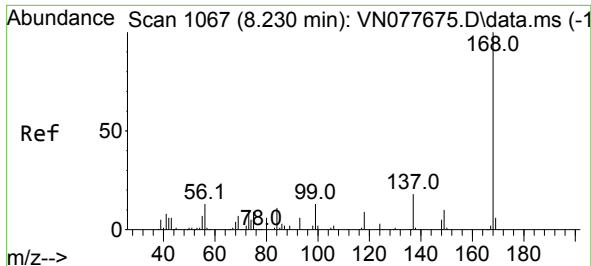
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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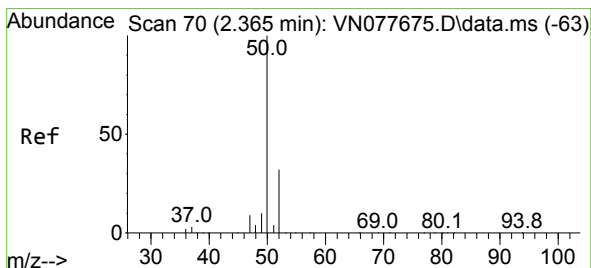
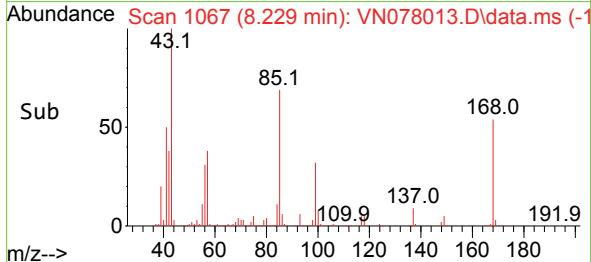
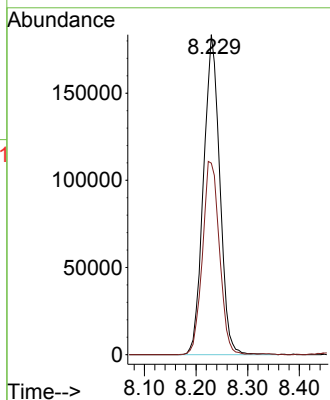
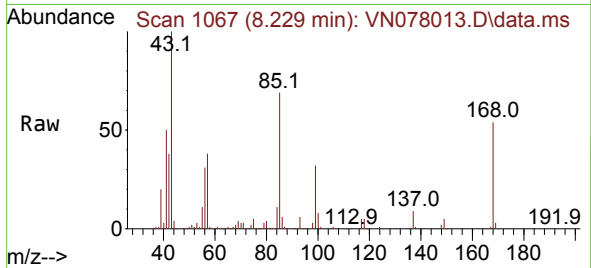




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

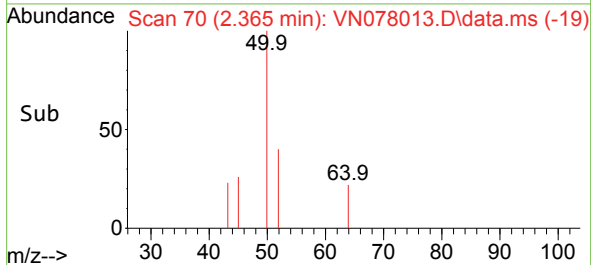
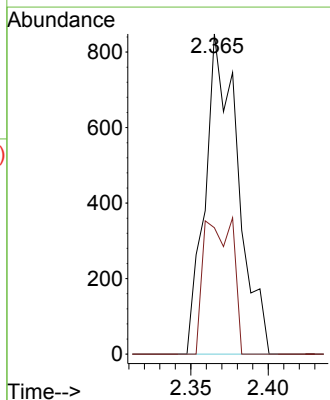
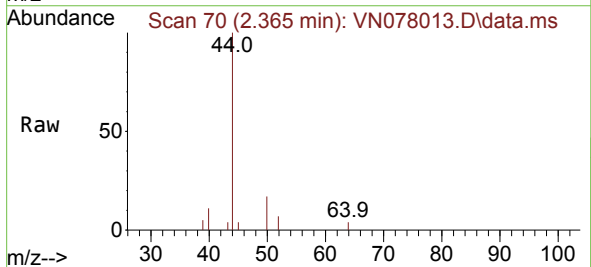
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

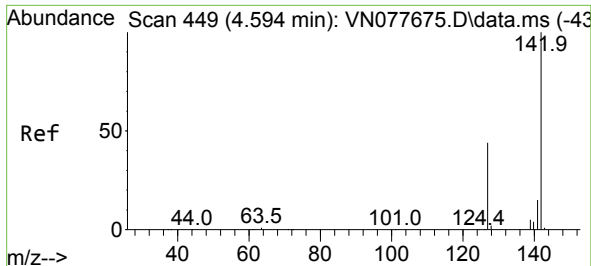
Tgt Ion:168 Resp: 401325
Ion Ratio Lower Upper
168 100
99 59.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

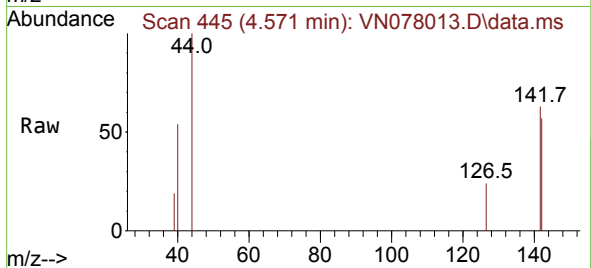
Tgt Ion: 50 Resp: 1250
Ion Ratio Lower Upper
50 100
52 39.5 26.5 39.7



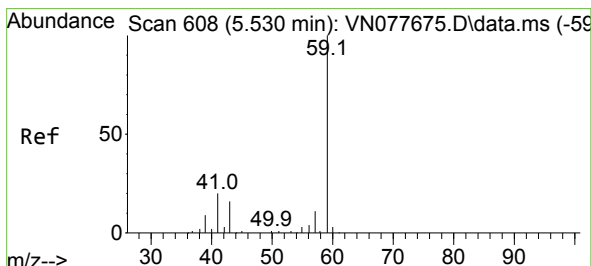
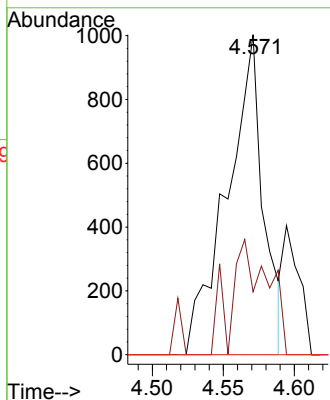
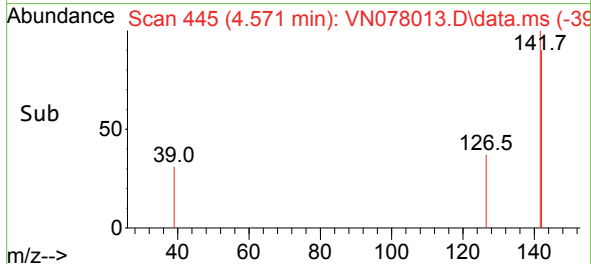


#10
Methyl Iodide
Concen: 0.336 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

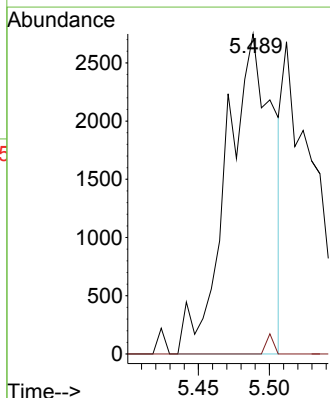
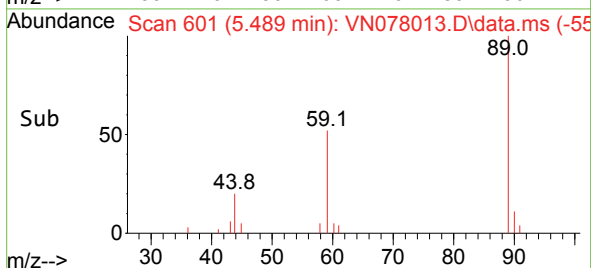
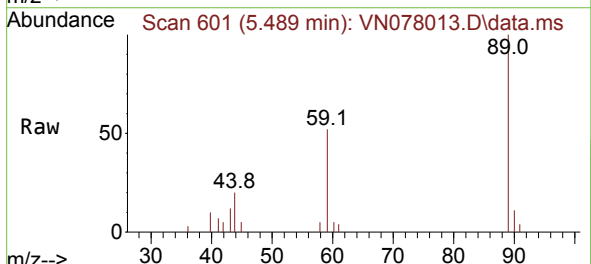


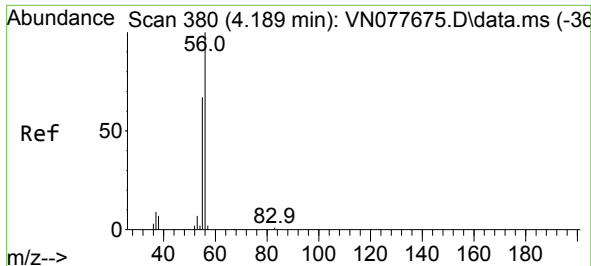
Tgt Ion:142 Resp: 1778
Ion Ratio Lower Upper
142 100
127 2.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.579 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.042 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 59 Resp: 6281
Ion Ratio Lower Upper
59 100
57 1.0 8.2 12.4#

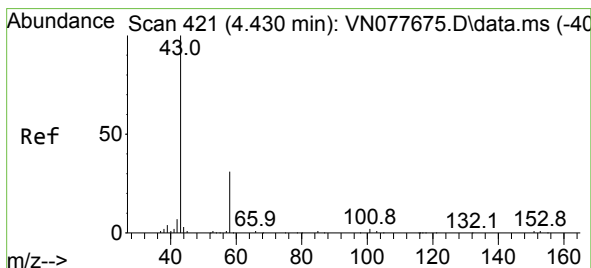
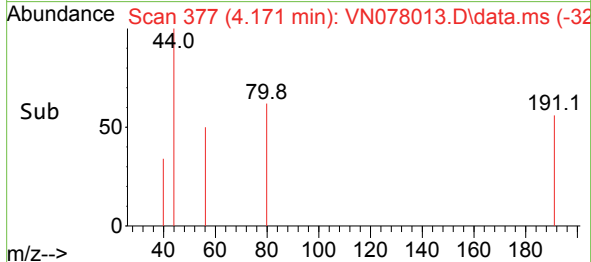
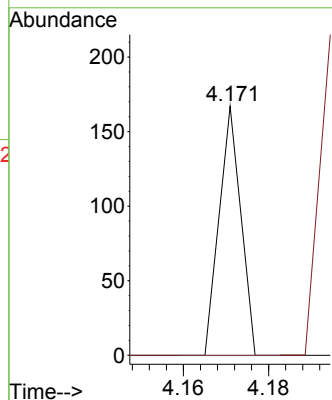
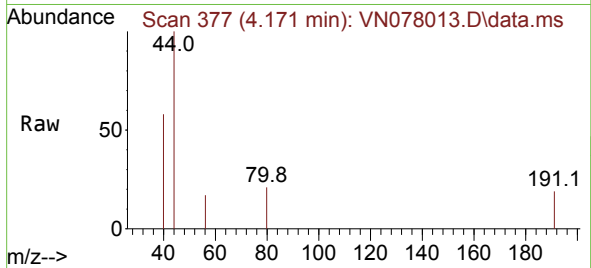




#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

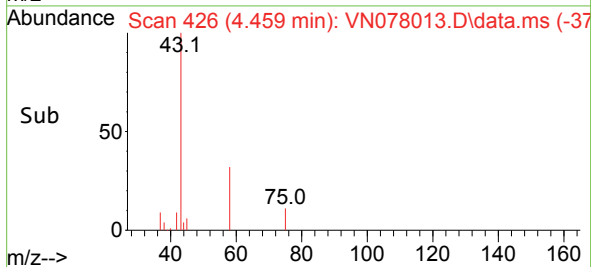
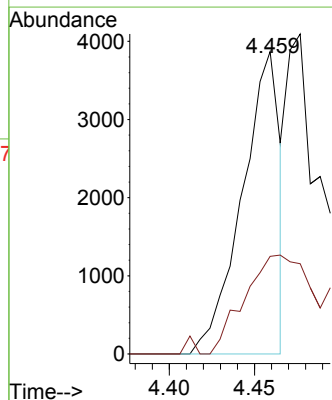
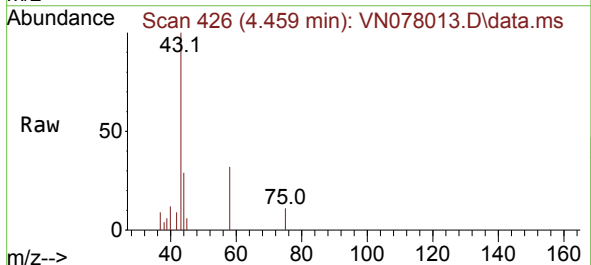
Instrument :
MSVOA_N
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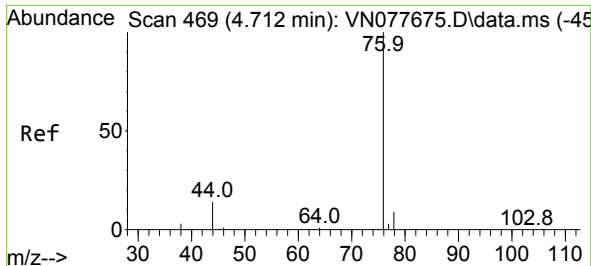
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 3.160 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.029 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 43 Resp: 5970
Ion Ratio Lower Upper
43 100
58 32.2 28.0 42.0

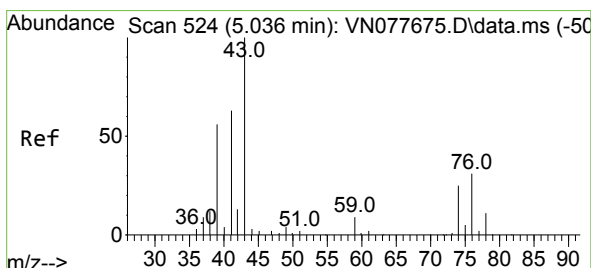
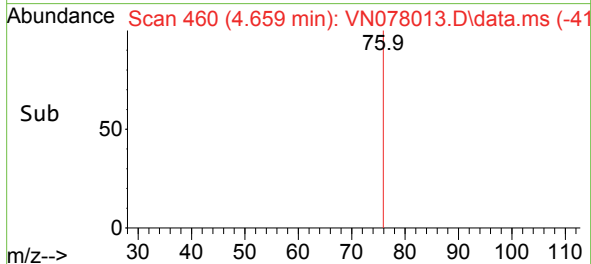
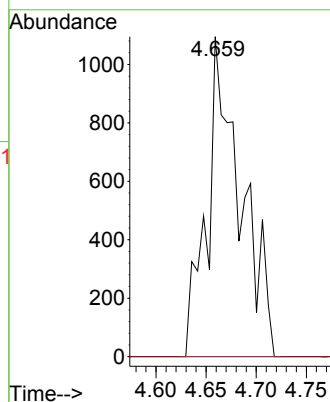
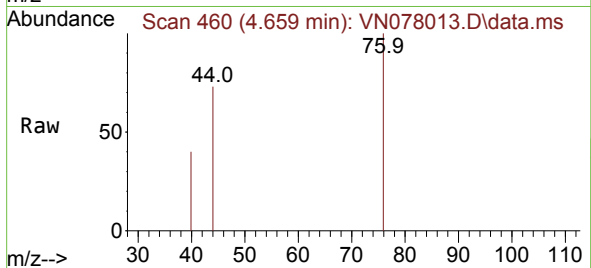




#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 4.659 min Scan# 460
Delta R.T. -0.053 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

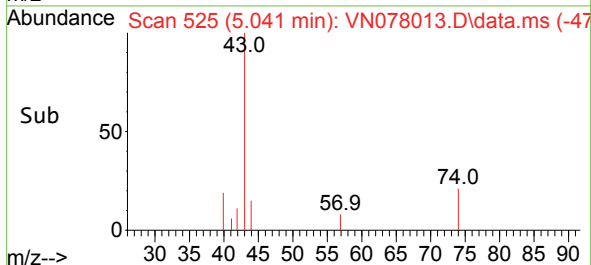
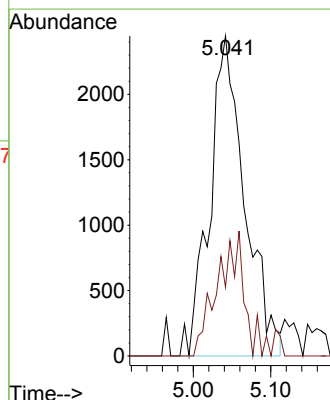
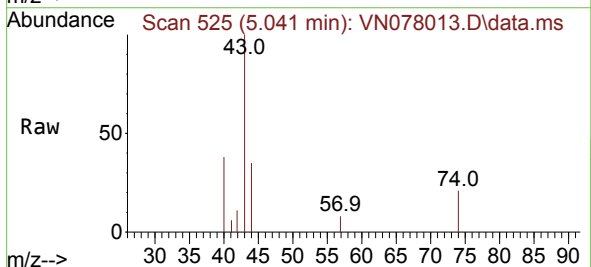
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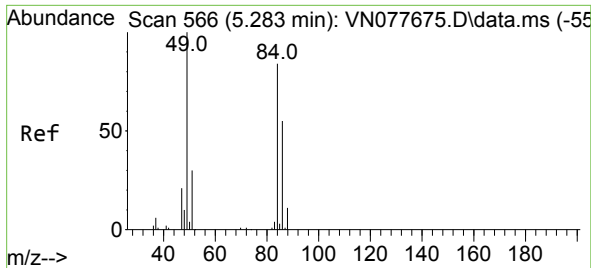
Tgt Ion: 76 Resp: 2559
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.972 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.005 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 43 Resp: 7706
Ion Ratio Lower Upper
43 100
74 27.9 26.2 39.4

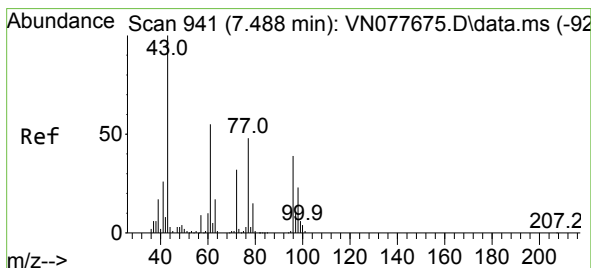
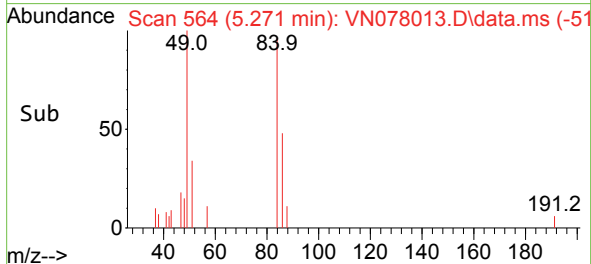
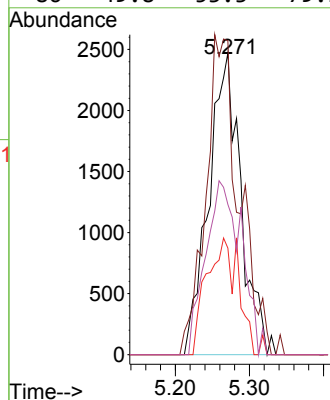
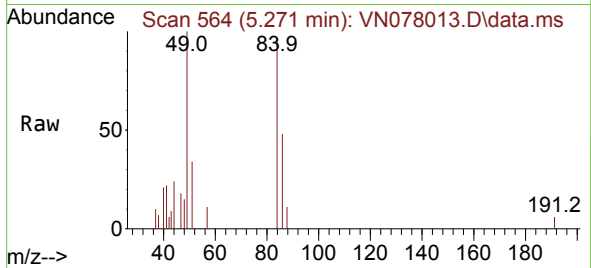




#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

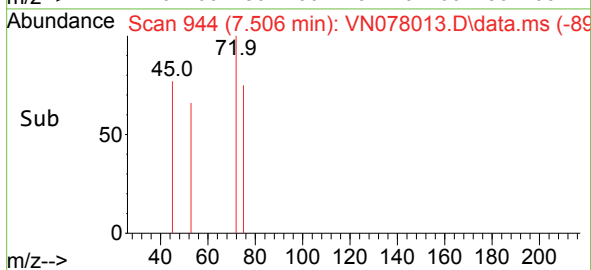
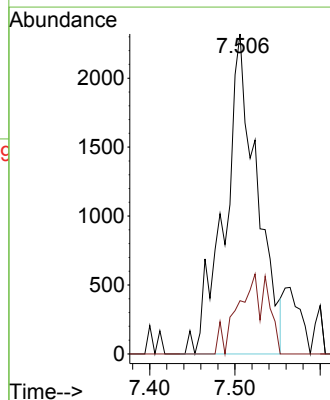
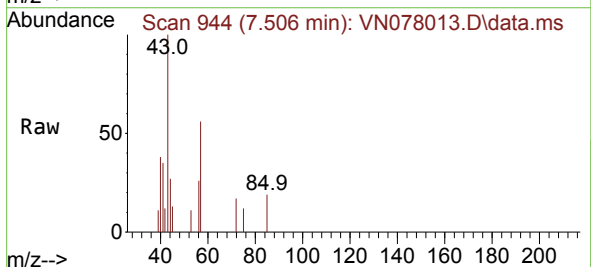
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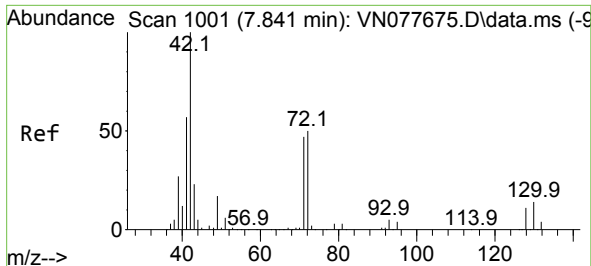
Tgt Ion: 84 Resp: 7469
Ion Ratio Lower Upper
84 100
49 104.0 79.7 119.5
51 35.3 25.2 37.8
86 49.8 53.3 79.9#



#25
2-Butanone
Concen: 2.067 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 43 Resp: 6108
Ion Ratio Lower Upper
43 100
72 16.6 30.2 45.2#





#29

Tetrahydrofuran

Concen: 1.104 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

ORA-0588

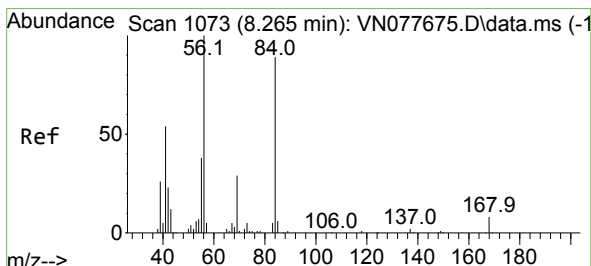
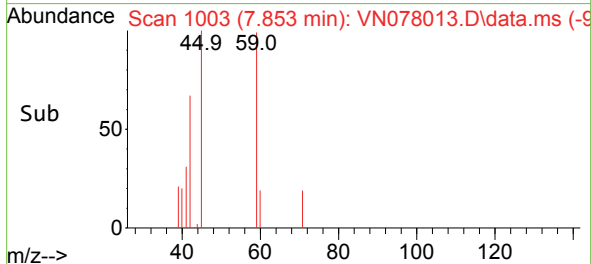
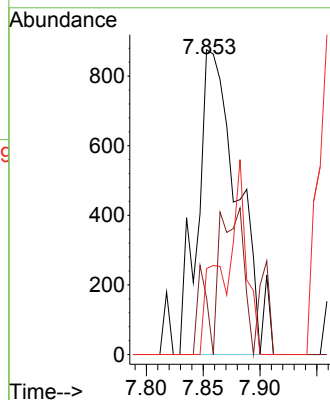
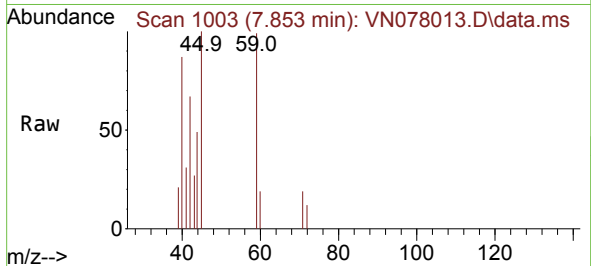
Tgt Ion: 42 Resp: 2137

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 38.315 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.047 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

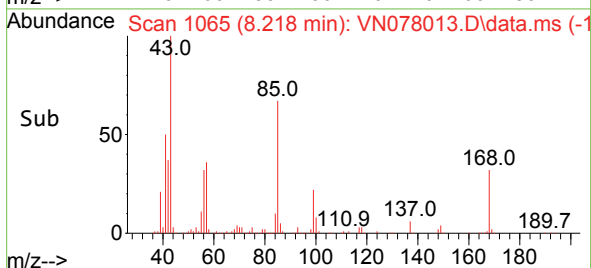
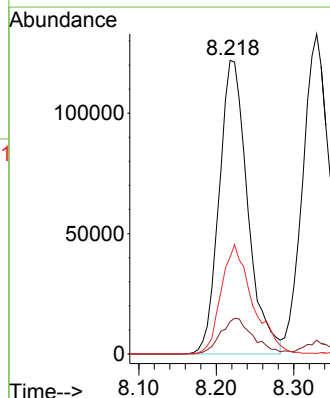
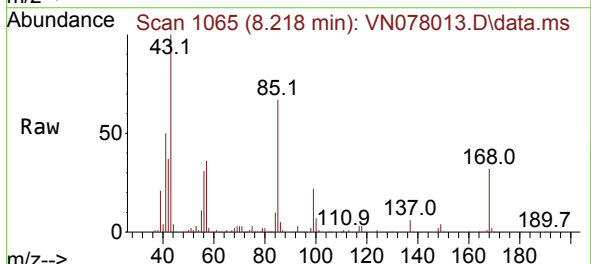
Tgt Ion: 56 Resp: 312703

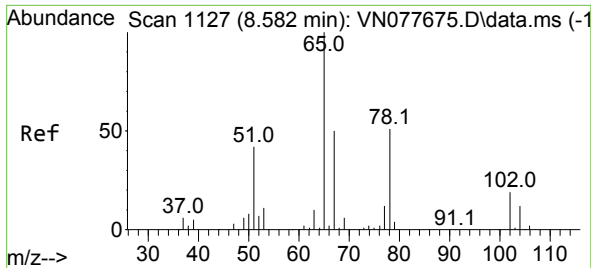
Ion Ratio Lower Upper

56 100

69 11.1 26.8 40.2#

84 33.0 81.8 122.6#

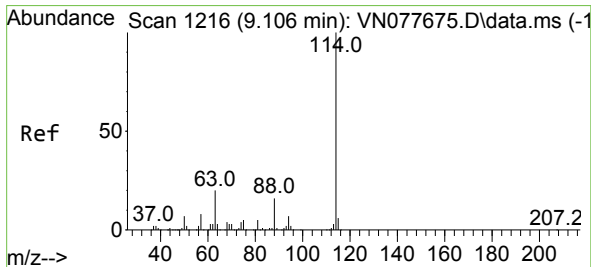
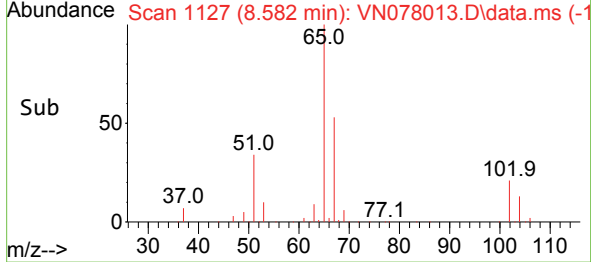
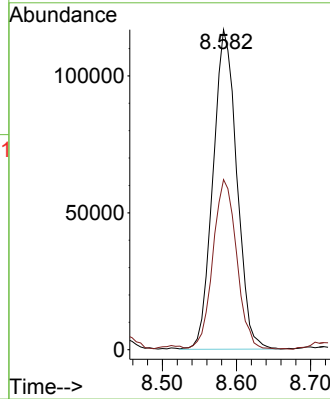
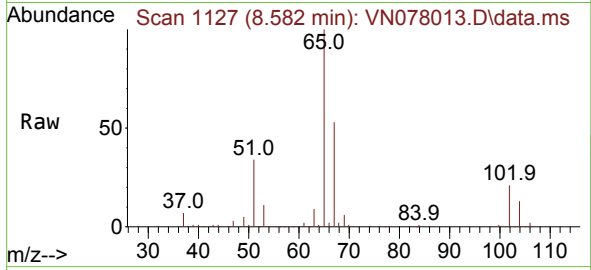




#33
 1,2-Dichloroethane-d4
 Concen: 43.443 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN078013.D
 Acq: 01 Jun 2023 16:26

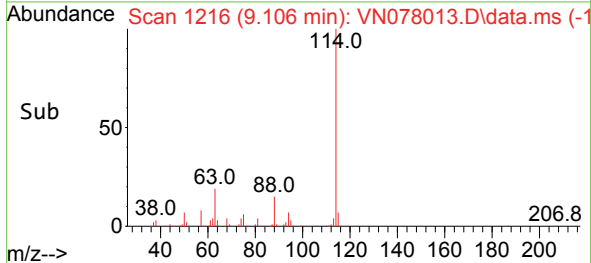
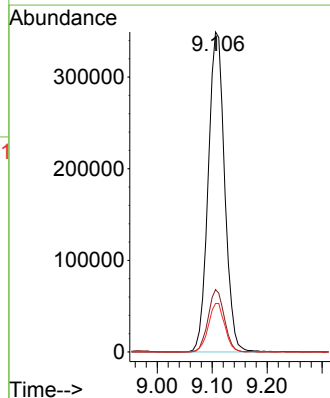
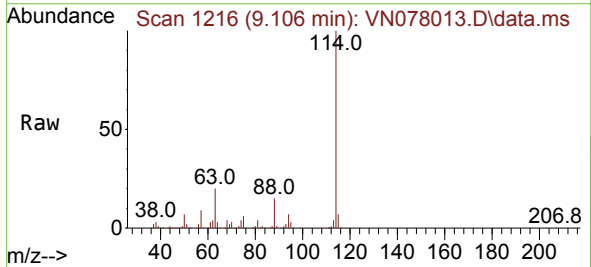
Instrument :
 MSVOA_N
 ClientSampleId :
 ORA-0588

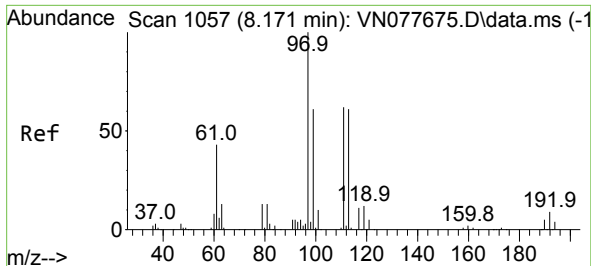
Tgt Ion: 65 Resp: 260869
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN078013.D
 Acq: 01 Jun 2023 16:26

Tgt Ion: 114 Resp: 725541
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 36.4
 88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.026 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

ORA-0588

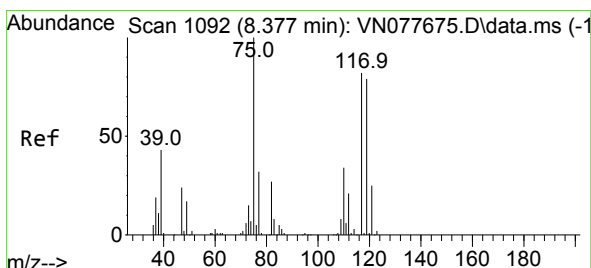
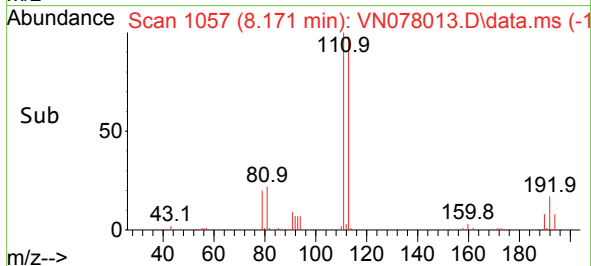
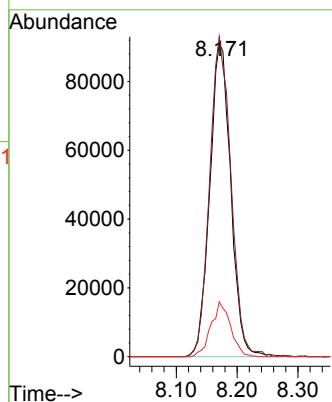
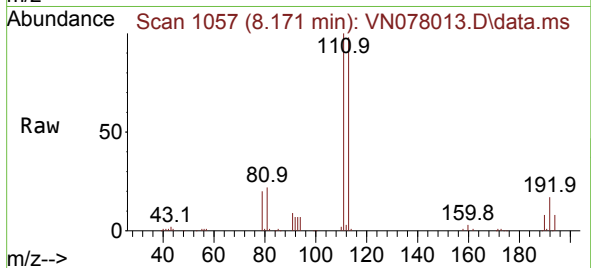
Tgt Ion:113 Resp: 217759

Ion Ratio Lower Upper

113 100

111 104.3 82.6 123.8

192 16.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

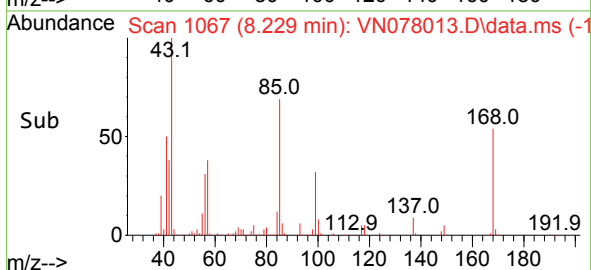
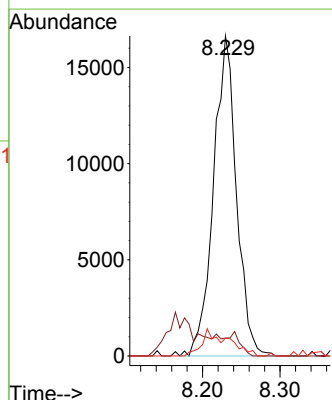
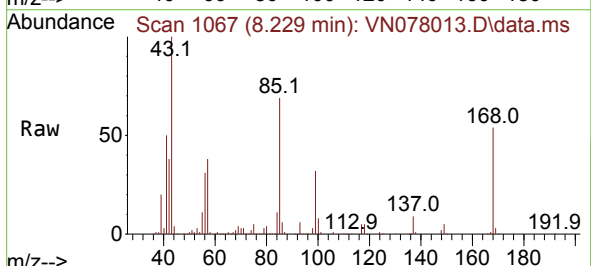
Tgt Ion: 75 Resp: 34339

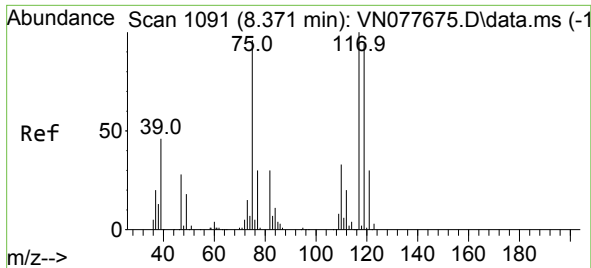
Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.3#

77 0.0 25.0 37.4#

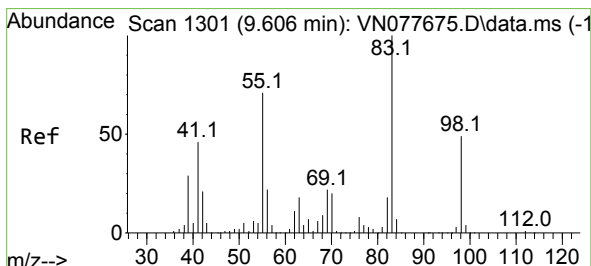
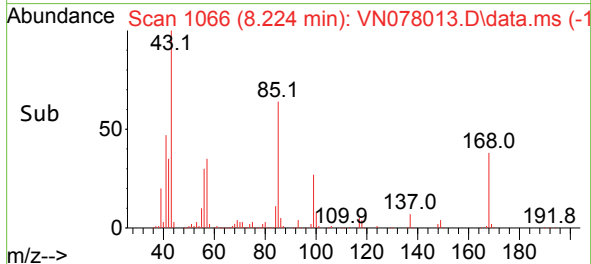
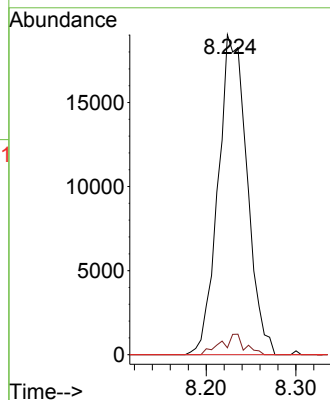
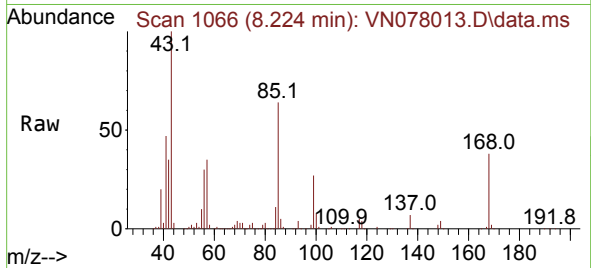




#38
Carbon Tetrachloride
Concen: 6.083 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

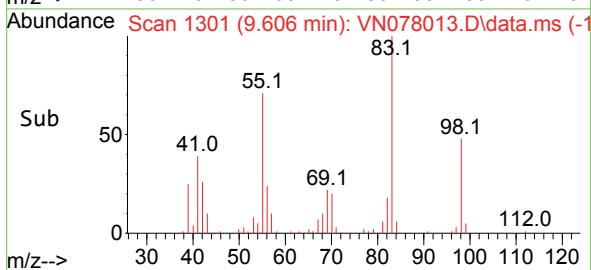
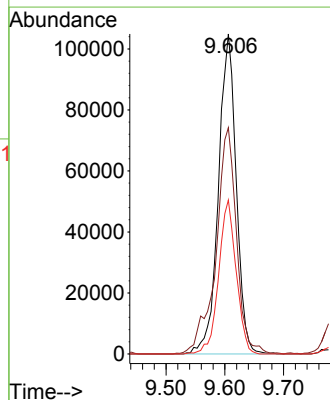
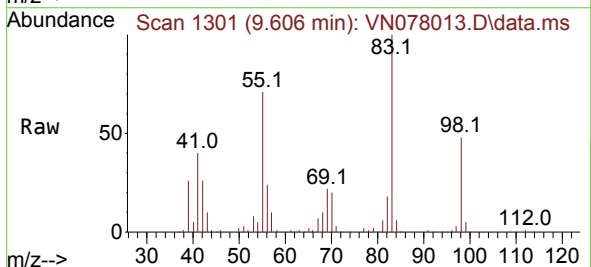
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

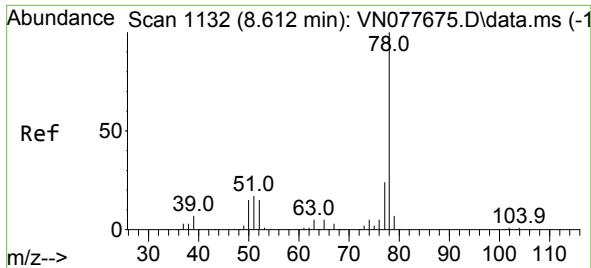
Tgt Ion:117 Resp: 42508
Ion Ratio Lower Upper
117 100
119 2.1 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 26.080 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 83 Resp: 220947
Ion Ratio Lower Upper
83 100
55 70.5 49.1 73.7
98 48.1 40.6 61.0

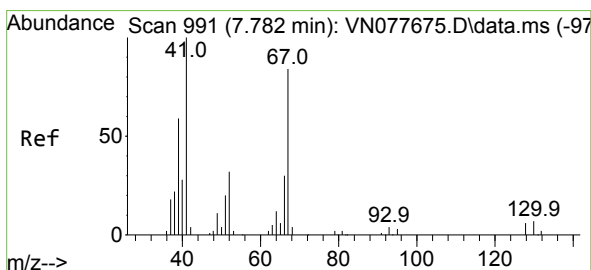
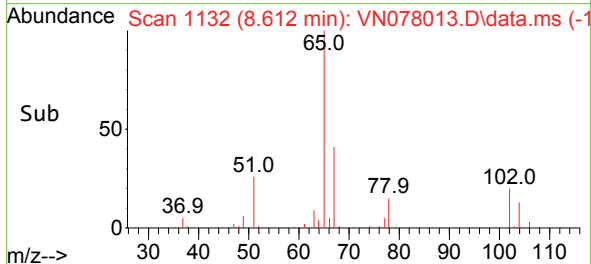
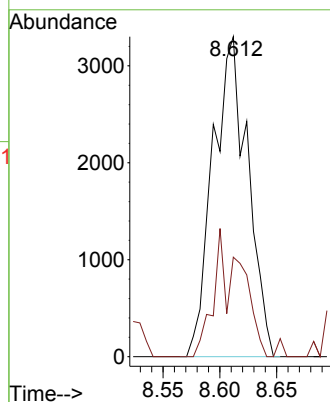
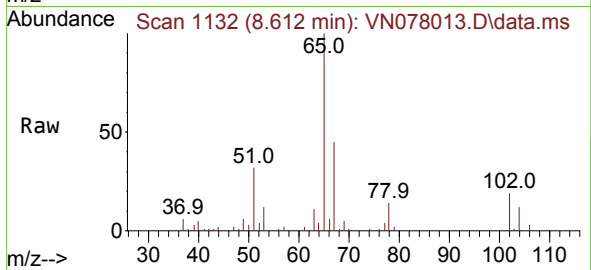




#40
Benzene
Concen: 0.345 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

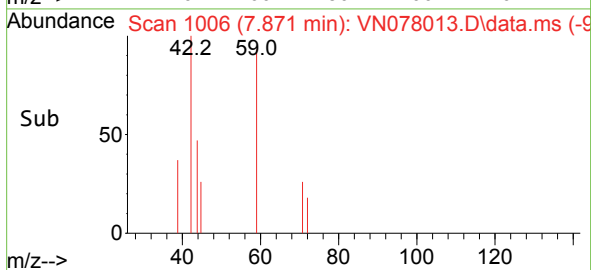
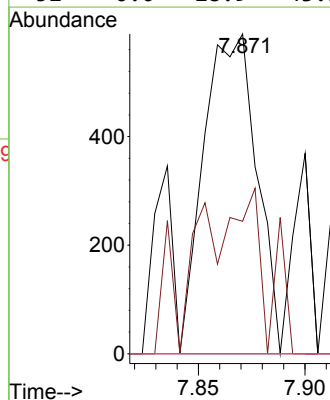
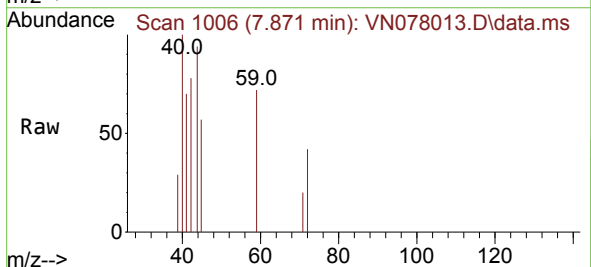
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

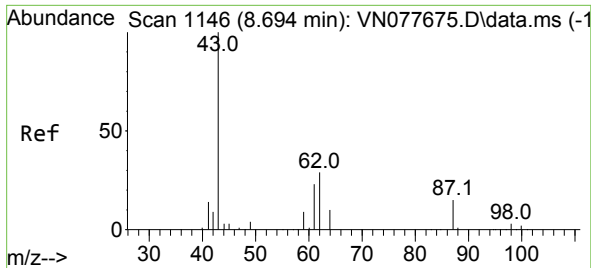
Tgt Ion: 78 Resp: 7045
Ion Ratio Lower Upper
78 100
77 31.1 19.0 28.6#



#41
Methacrylonitrile
Concen: 0.310 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.089 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 41 Resp: 1019
Ion Ratio Lower Upper
41 100
39 0.0 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#

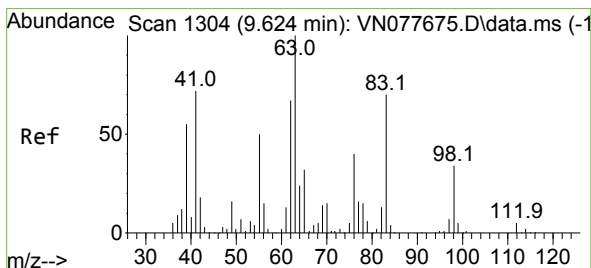
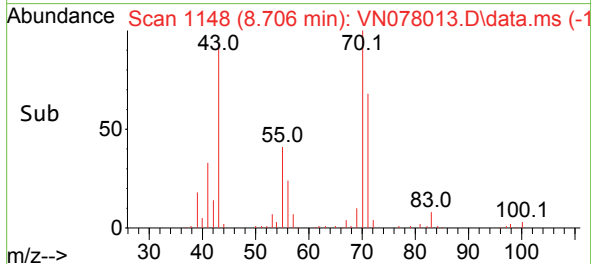
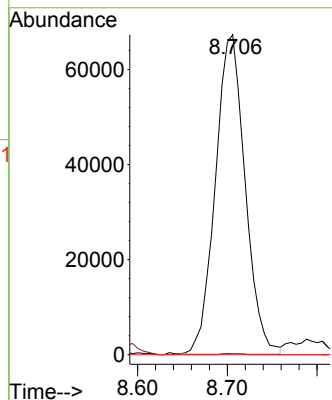
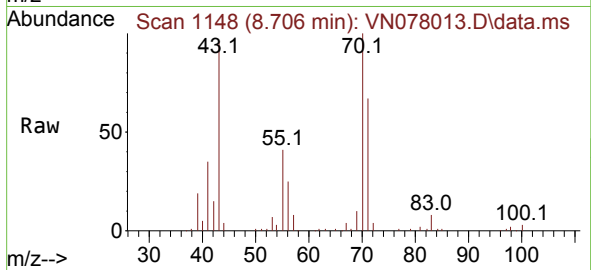




#43
Isopropyl Acetate
Concen: 15.323 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

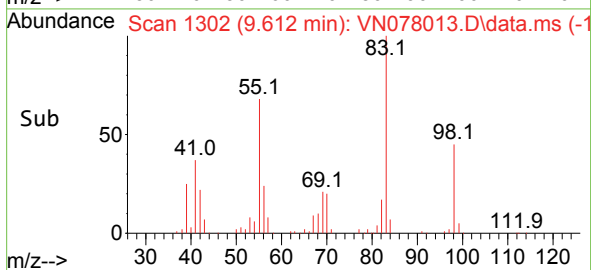
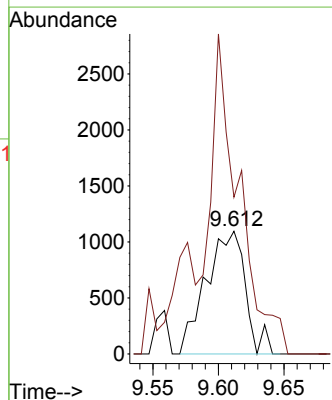
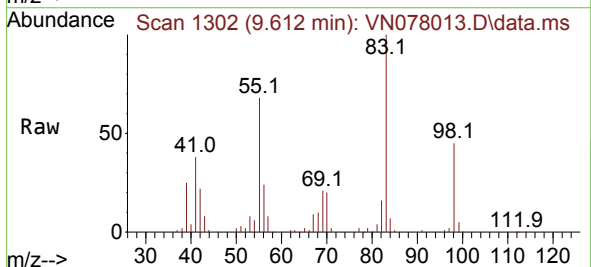
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

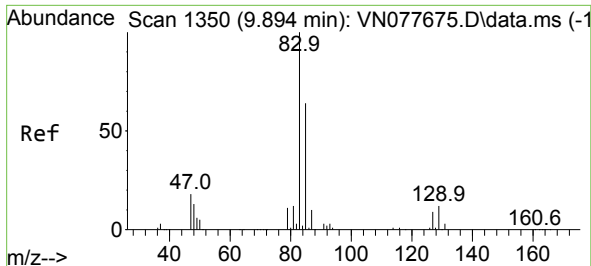
Tgt Ion: 43 Resp: 154376
Ion Ratio Lower Upper
43 100
61 0.2 24.7 37.1#
87 0.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.439 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. -0.012 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 63 Resp: 2286
Ion Ratio Lower Upper
63 100
65 98.8 23.9 35.9#

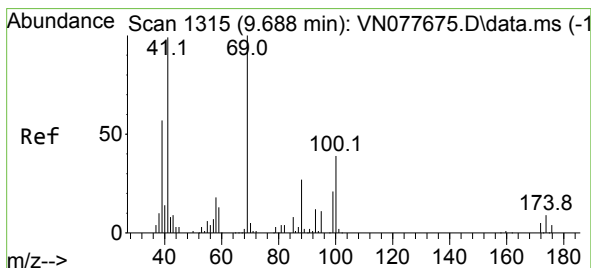
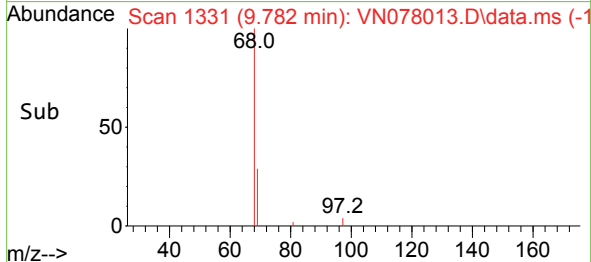
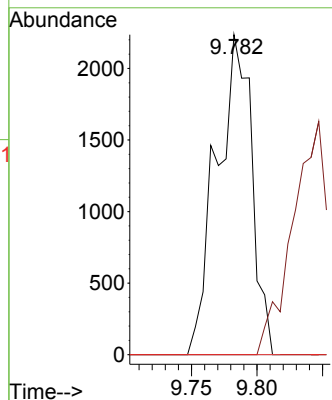
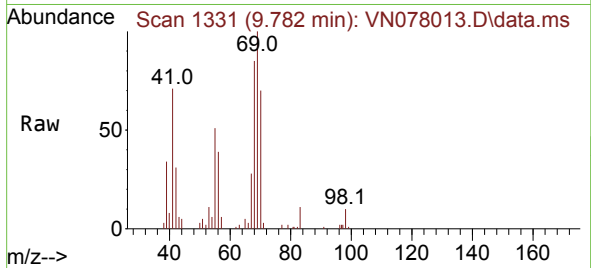




#47
Bromodichloromethane
Concen: 0.585 ug/l
RT: 9.782 min Scan# 11
Delta R.T. -0.112 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

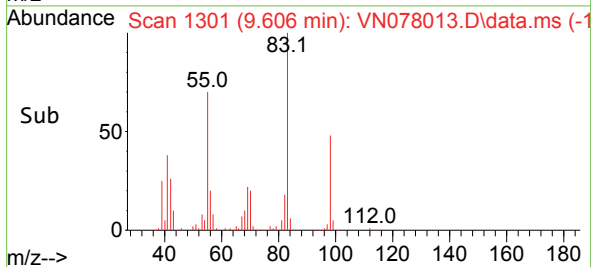
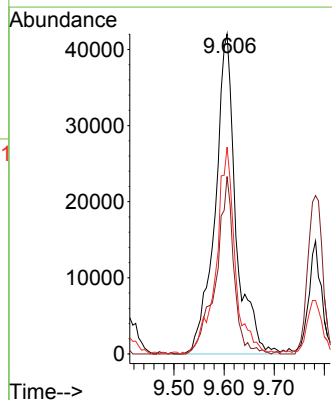
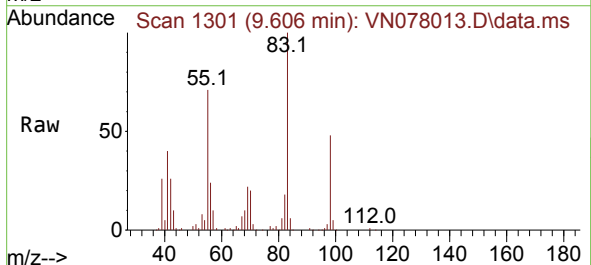
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

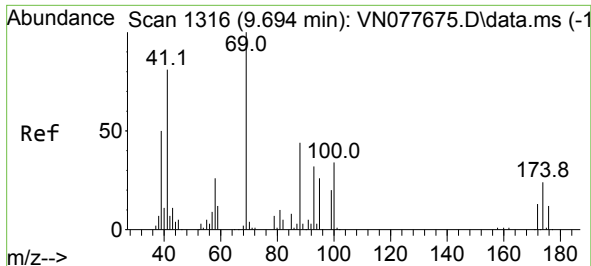
Tgt Ion: 83 Resp: 4172
Ion Ratio Lower Upper
83 100
85 0.0 49.6 74.4#
127 0.0 7.0 10.6#



#48
Methyl methacrylate
Concen: 25.449 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.082 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 41 Resp: 121561
Ion Ratio Lower Upper
41 100
69 47.7 90.4 135.6#
39 58.9 54.6 81.8





#49

1,4-Dioxane

Concen: 0.621 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

ORA-0588

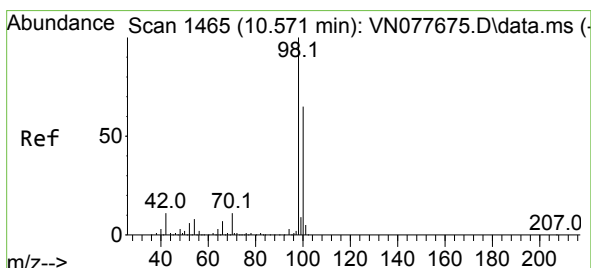
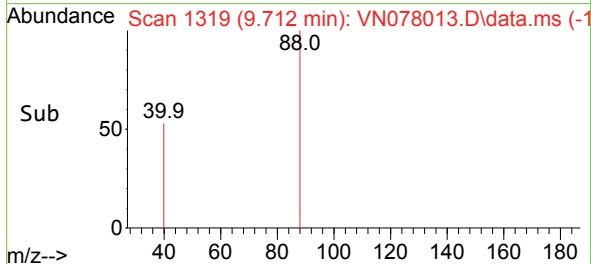
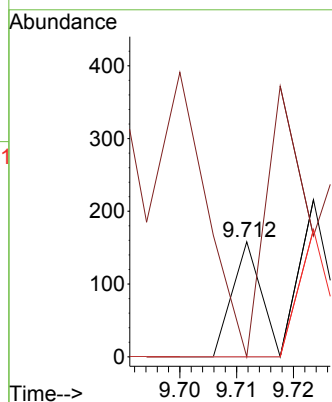
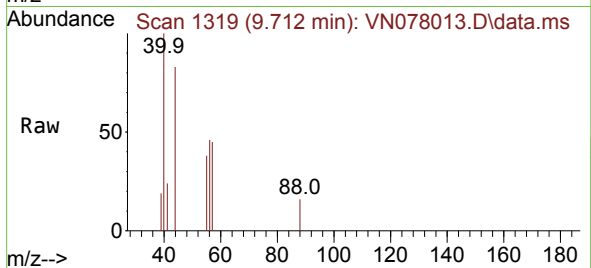
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 48.381 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078013.D

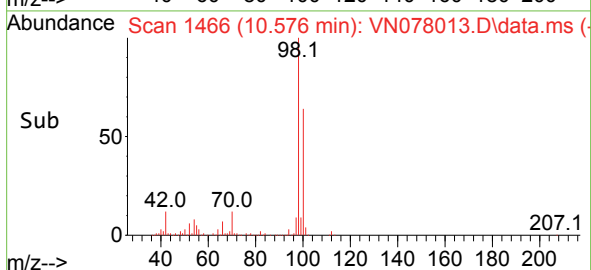
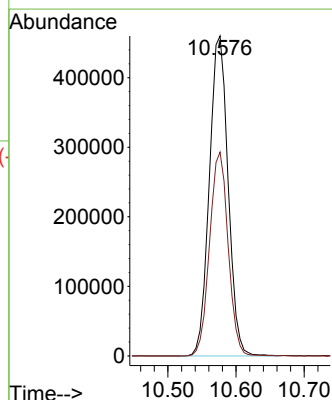
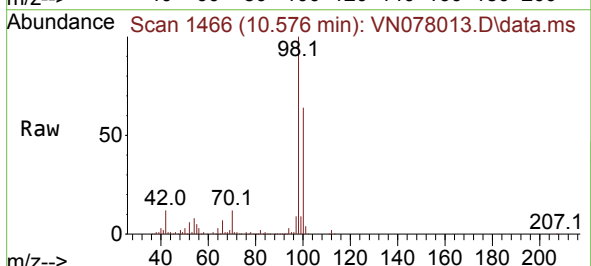
Acq: 01 Jun 2023 16:26

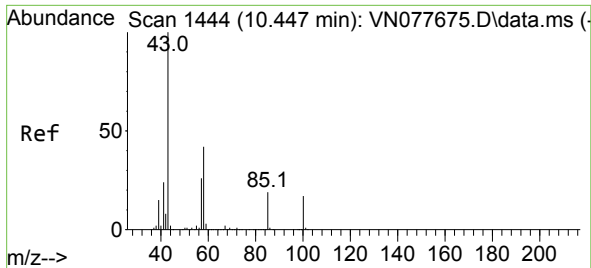
Tgt Ion: 98 Resp: 881048

Ion Ratio Lower Upper

98 100

100 62.9 52.0 78.0

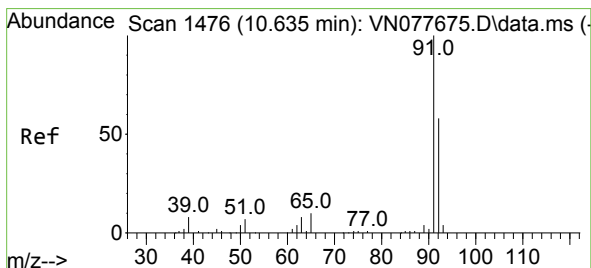
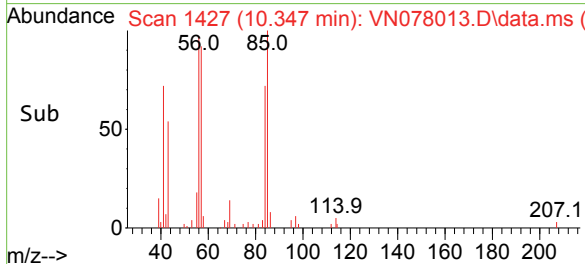
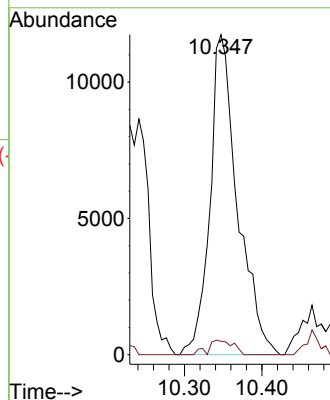
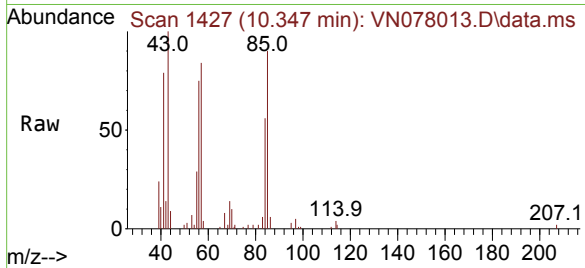




#51
4-Methyl-2-Pentanone
Concen: 4.864 ug/l
RT: 10.347 min Scan# 1444
Delta R.T. -0.100 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

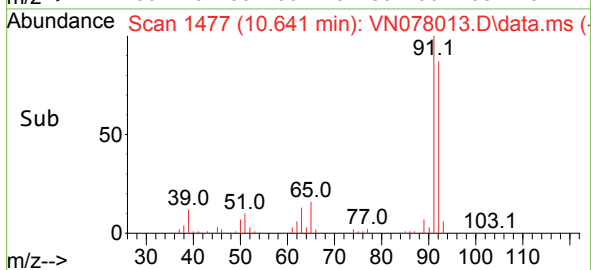
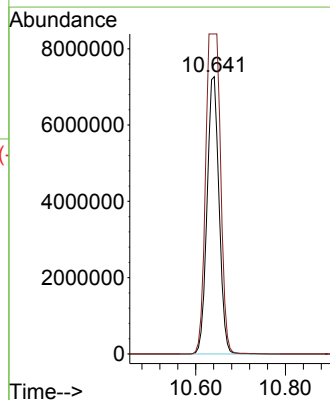
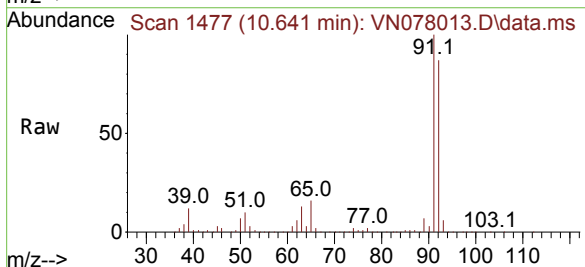
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

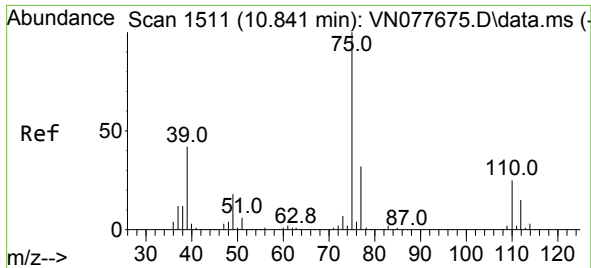
Tgt Ion: 43 Resp: 29126
Ion Ratio Lower Upper
43 100
58 4.1 36.6 54.8#



#52
Toluene
Concen: 1057.903 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 92 Resp:13449153
Ion Ratio Lower Upper
92 100
91 144.5 137.4 206.0

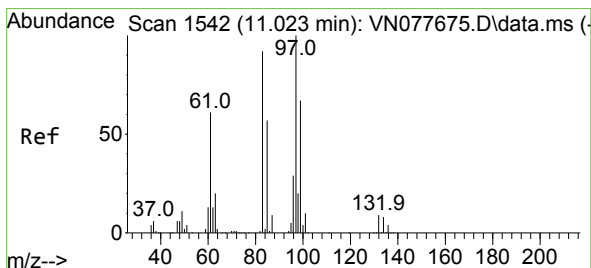
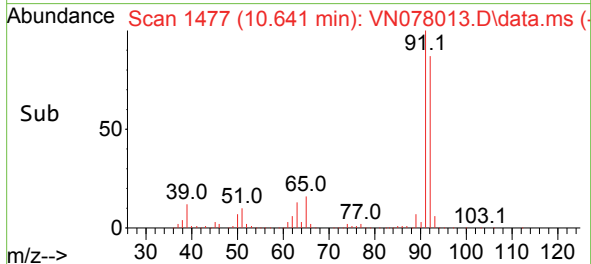
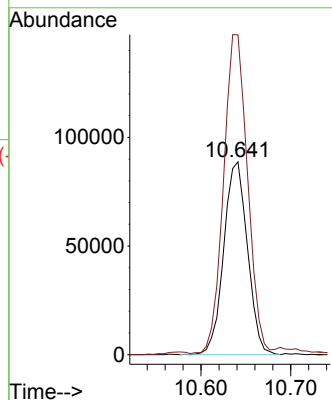
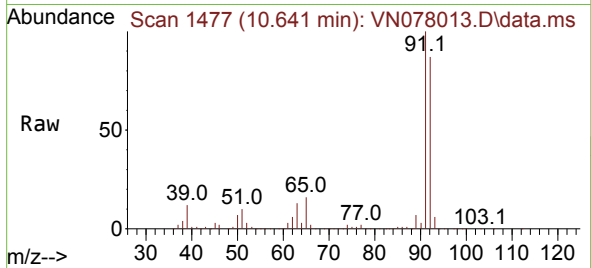




#53
t-1,3-Dichloropropene
Concen: 21.546 ug/l
RT: 10.641 min Scan# 14
Delta R.T. -0.200 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

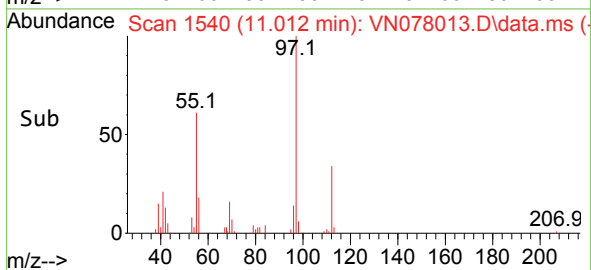
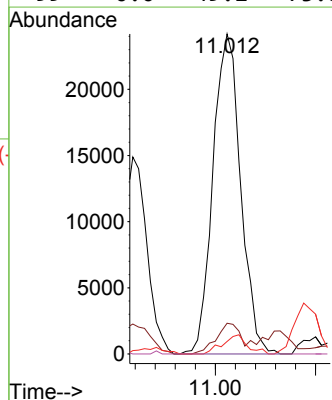
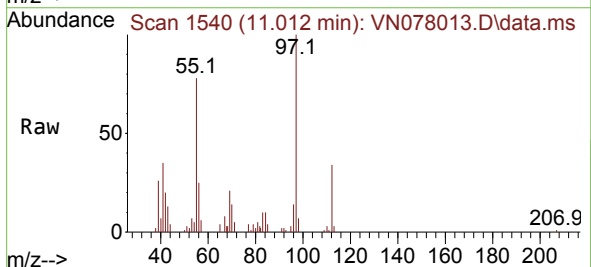
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

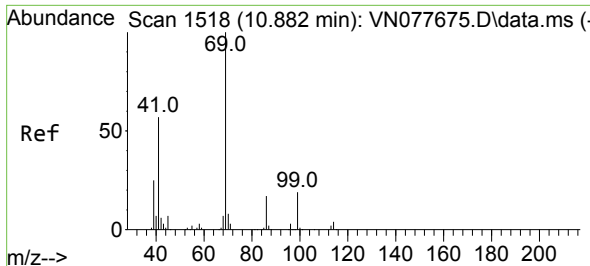
Tgt Ion: 75 Resp: 162816
Ion Ratio Lower Upper
75 100
77 164.5 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 9.195 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.011 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 97 Resp: 46416
Ion Ratio Lower Upper
97 100
83 9.6 65.1 97.7#
85 3.9 43.4 65.2#
99 0.0 49.2 73.8#

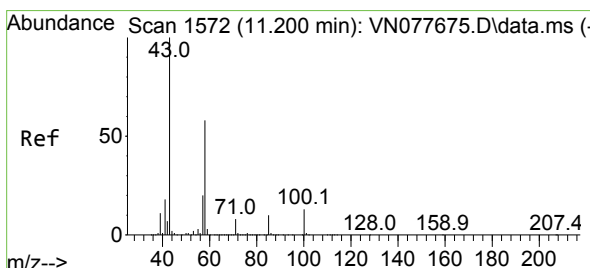
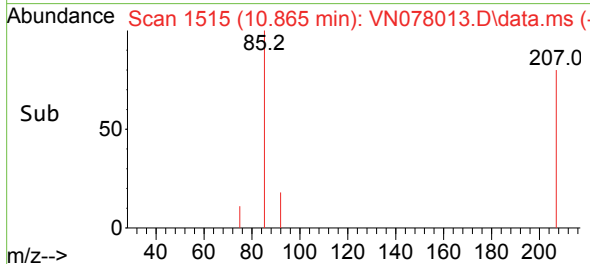
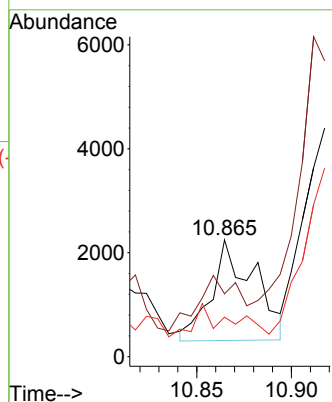
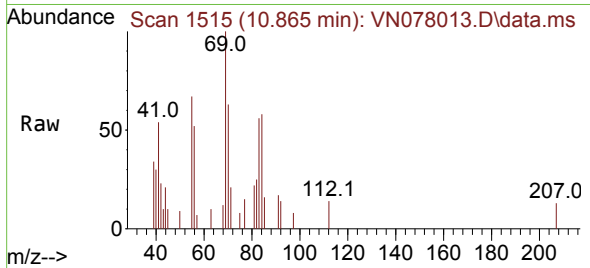




#56
Ethyl methacrylate
Concen: 0.399 ug/l
RT: 10.865 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

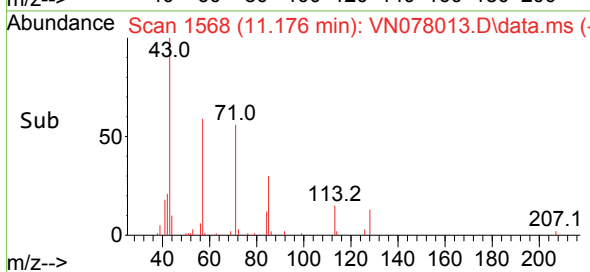
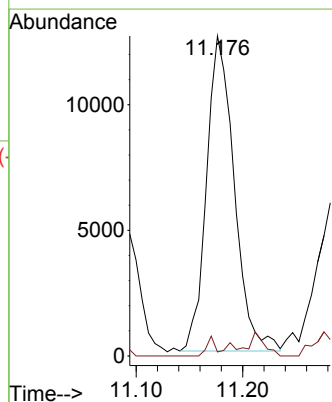
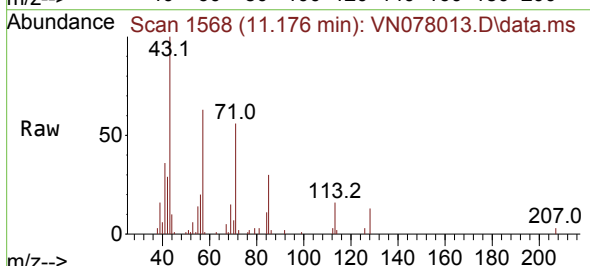
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

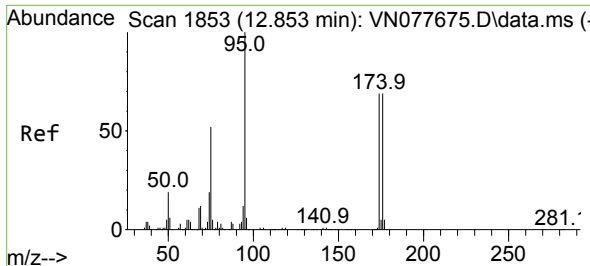
Tgt Ion: 69 Resp: 3047
Ion Ratio Lower Upper
69 100
41 0.0 39.6 59.4#
39 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 5.115 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 43 Resp: 22657
Ion Ratio Lower Upper
43 100
58 2.2 31.7 95.1#

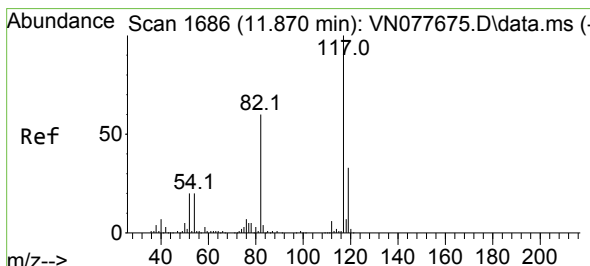
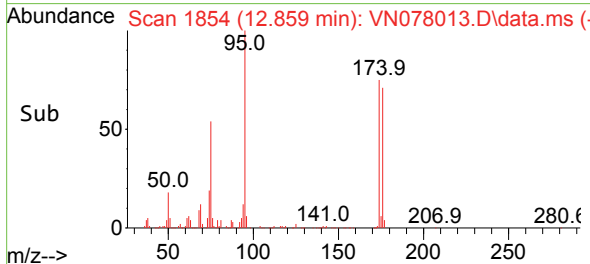
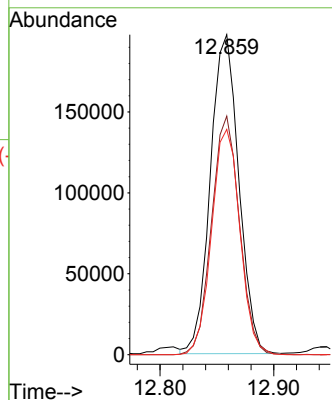
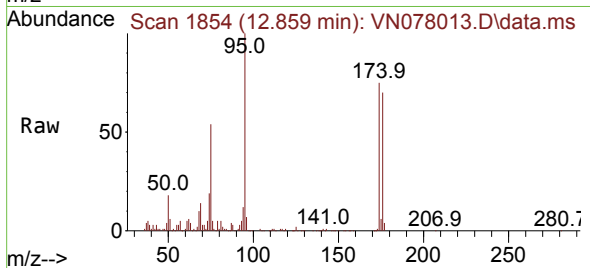




#62
4-Bromofluorobenzene
Concen: 53.319 ug/l
RT: 12.859 min Scan# 11854
Delta R.T. 0.006 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

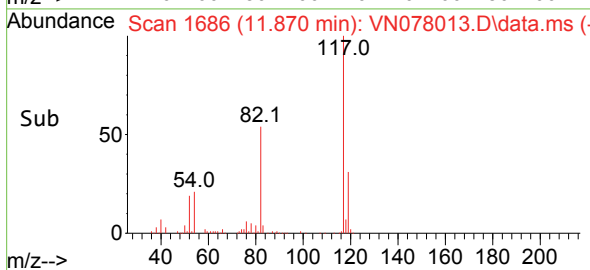
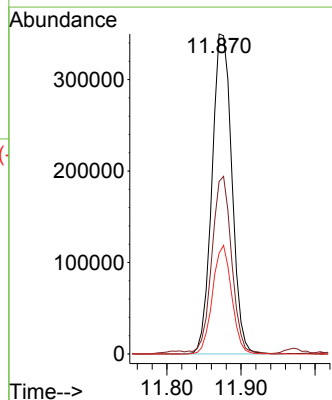
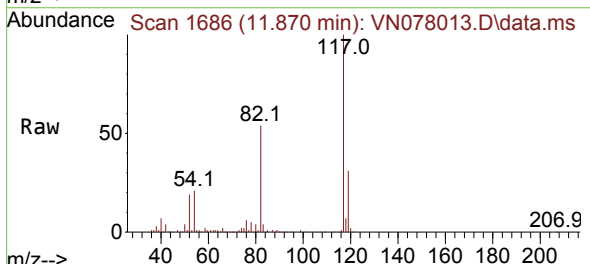
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

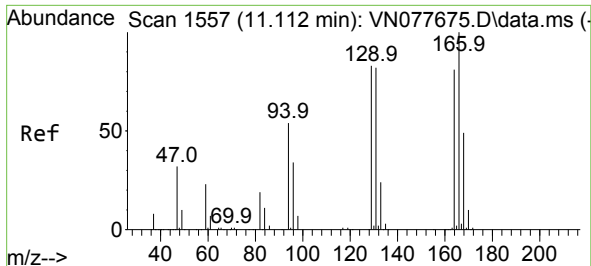
Tgt Ion: 95 Resp: 342925
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 70.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 117 Resp: 653169
Ion Ratio Lower Upper
117 100
82 53.4 44.0 66.0
119 31.5 25.6 38.4

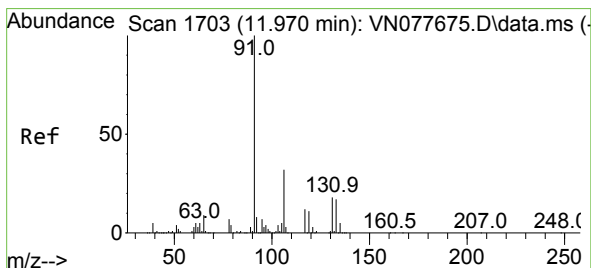
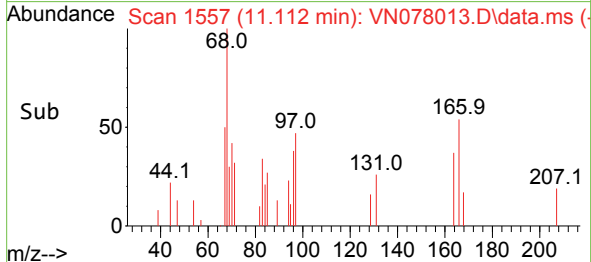
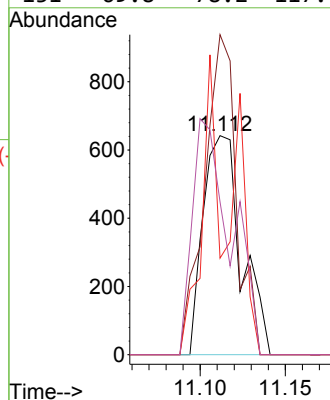
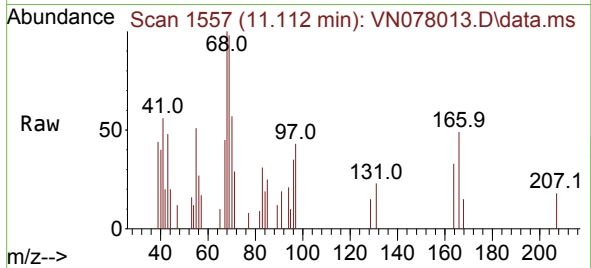




#64
Tetrachloroethene
Concen: 0.219 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

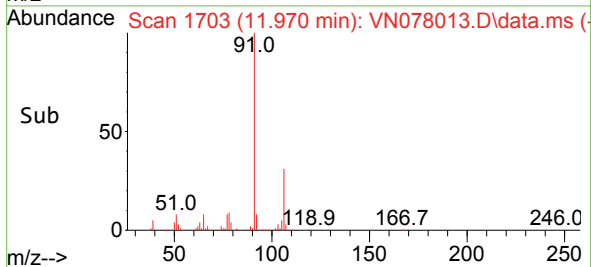
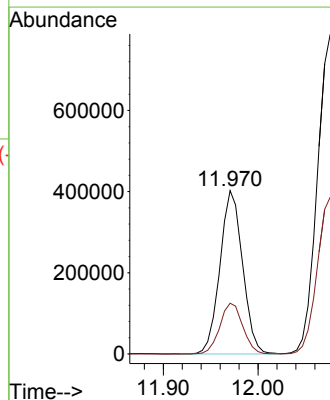
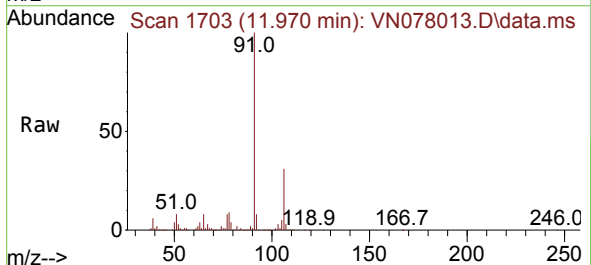
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

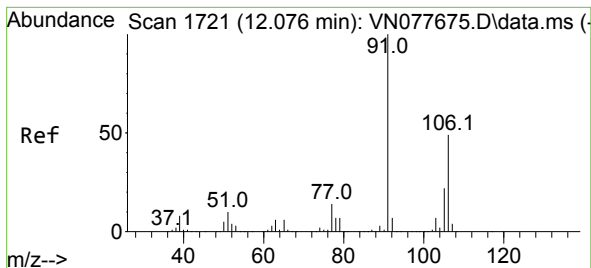
Tgt Ion:164 Resp: 1002
Ion Ratio Lower Upper
164 100
166 146.1 101.4 152.0
129 44.1 82.4 123.6#
131 69.8 78.2 117.4#



#67
Ethyl Benzene
Concen: 26.335 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 91 Resp: 668252
Ion Ratio Lower Upper
91 100
106 31.1 25.6 38.4

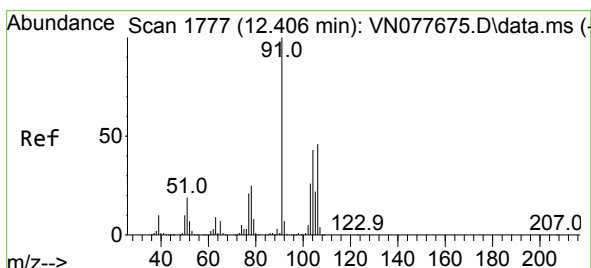
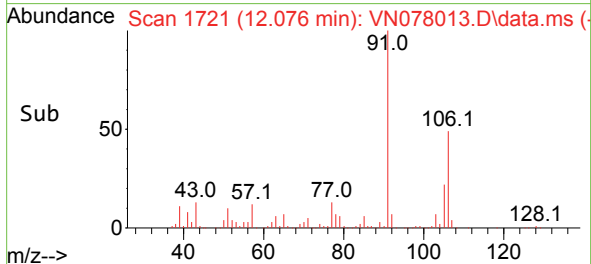
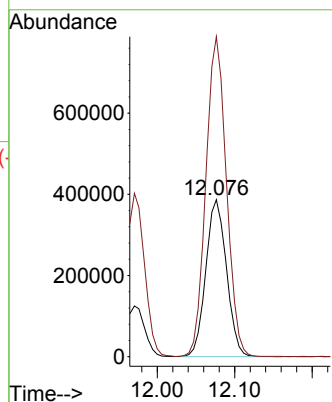
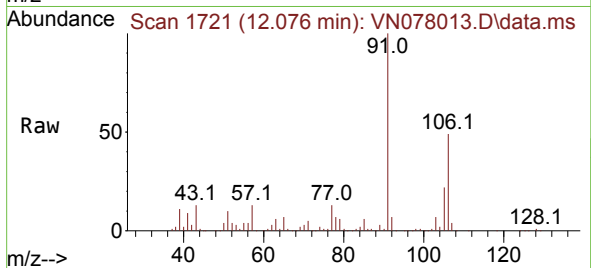




#68
m/p-Xylenes
Concen: 74.743 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

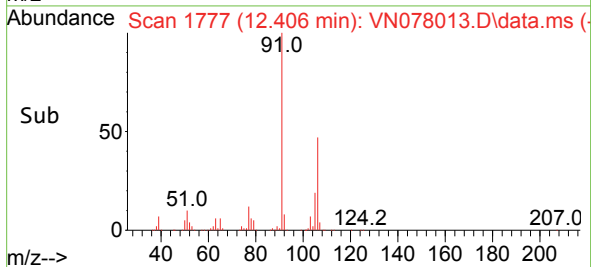
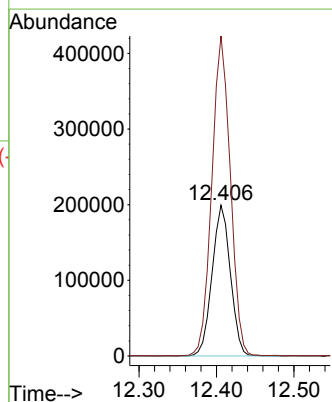
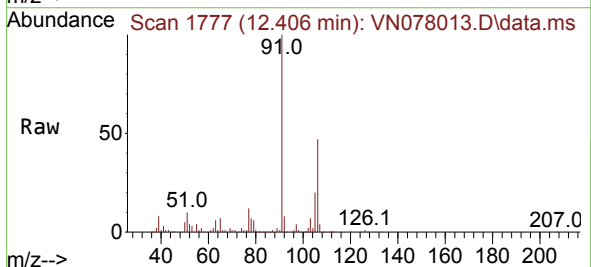
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

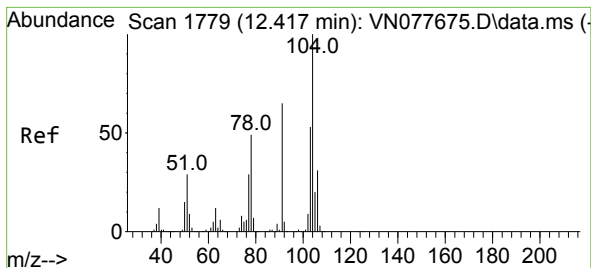
Tgt Ion:106 Resp: 718645
Ion Ratio Lower Upper
106 100
91 202.1 159.6 239.4



#69
o-Xylene
Concen: 34.565 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion:106 Resp: 326836
Ion Ratio Lower Upper
106 100
91 214.9 105.2 315.5





#70

Styrene

Concen: 1.377 ug/l

RT: 12.406 min Scan# 1

Delta R.T. -0.011 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

ORA-0588

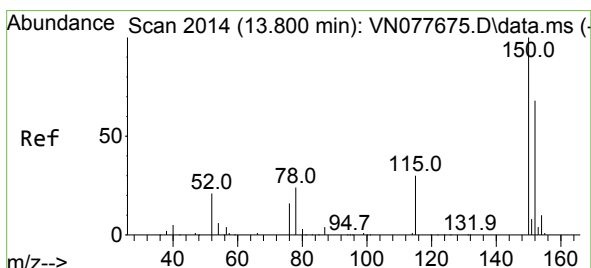
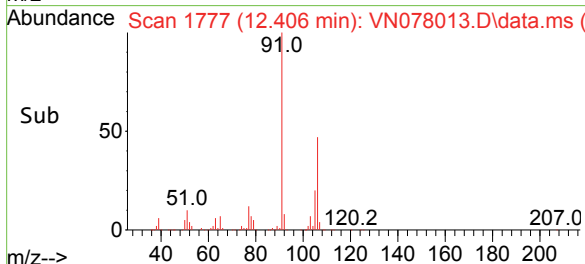
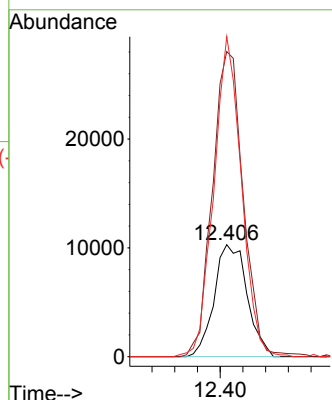
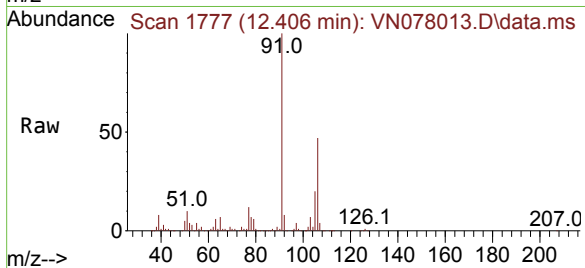
Tgt Ion:104 Resp: 20689

Ion Ratio Lower Upper

104 100

78 255.5 39.5 59.3#

103 240.5 43.2 64.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

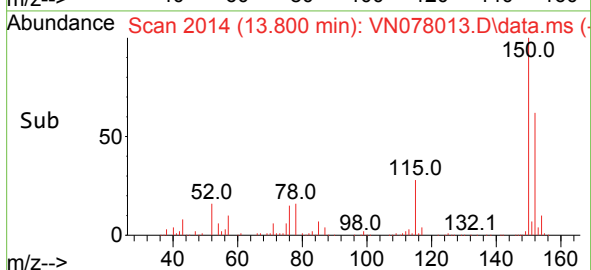
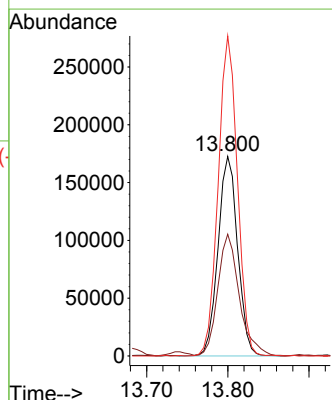
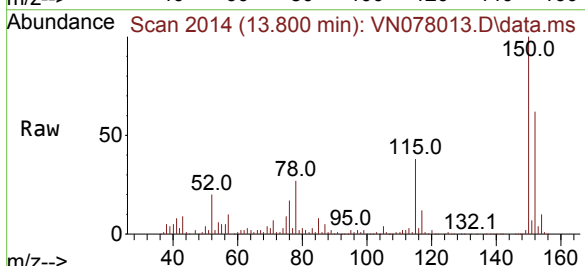
Tgt Ion:152 Resp: 290550

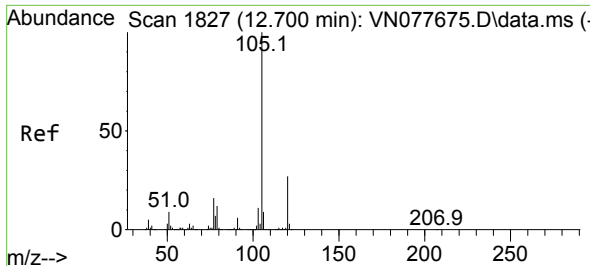
Ion Ratio Lower Upper

152 100

115 66.6 32.3 96.8

150 157.2 0.0 355.8

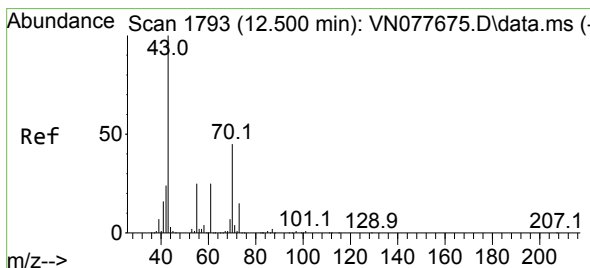
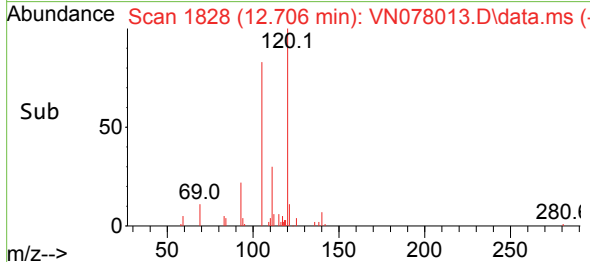
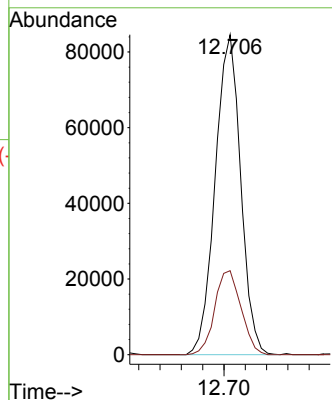
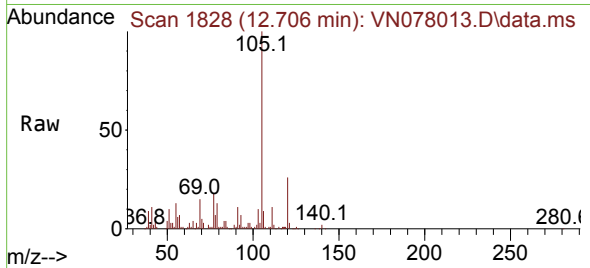




#73
Isopropylbenzene
Concen: 5.593 ug/l
RT: 12.706 min Scan# 1827
Delta R.T. 0.006 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

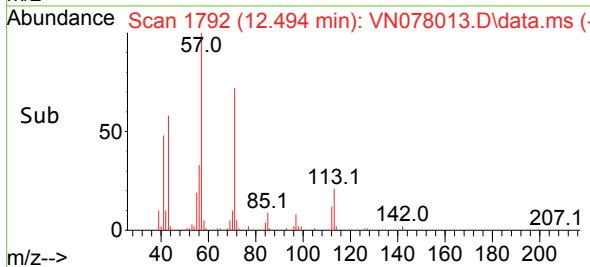
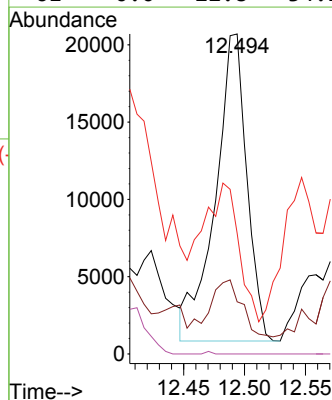
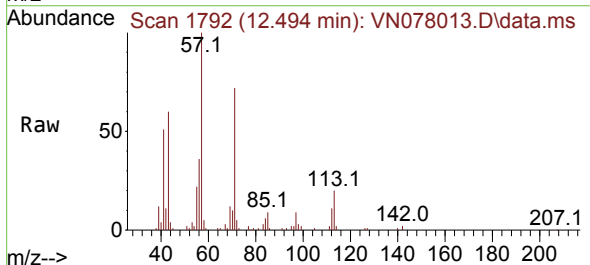
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

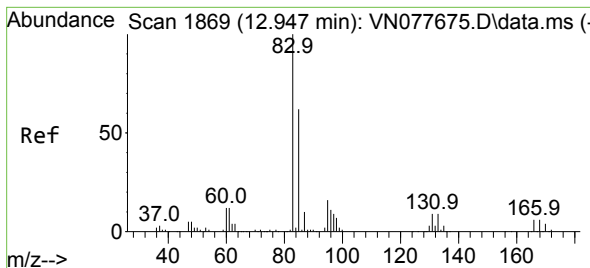
Tgt Ion:105 Resp: 140085
Ion Ratio Lower Upper
105 100
120 27.1 13.1 39.1



#74
N-ethyl acetate
Concen: 3.864 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 43 Resp: 35774
Ion Ratio Lower Upper
43 100
70 16.7 43.4 65.2#
55 52.0 21.4 32.0#
61 0.0 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.773 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. -0.006 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

ORA-0588

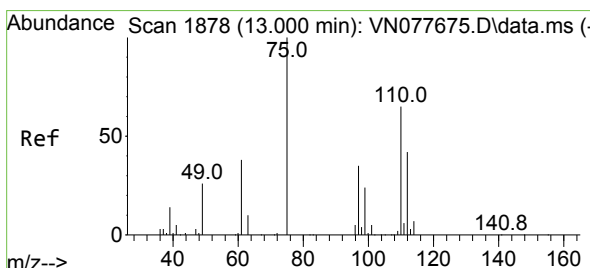
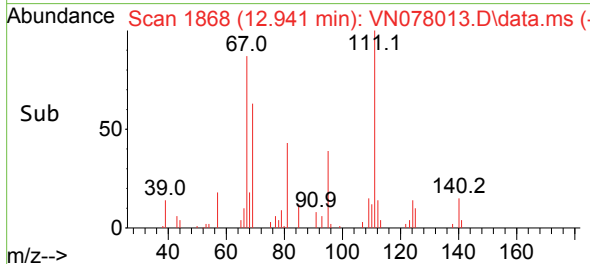
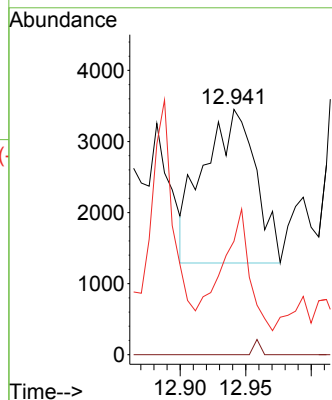
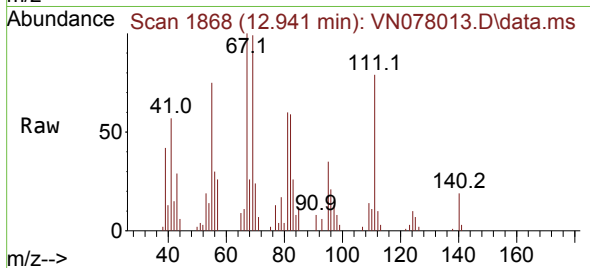
Tgt Ion: 83 Resp: 5956

Ion Ratio Lower Upper

83 100

131 1.3 5.0 15.0#

85 42.1 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 1.555 ug/l

RT: 13.100 min Scan# 1895

Delta R.T. 0.100 min

Lab File: VN078013.D

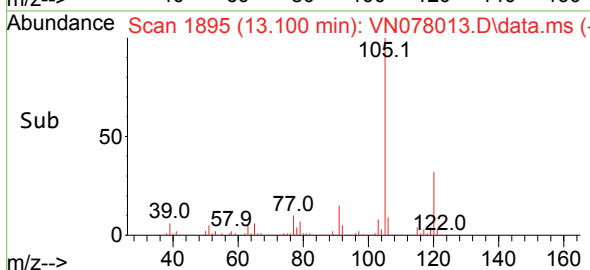
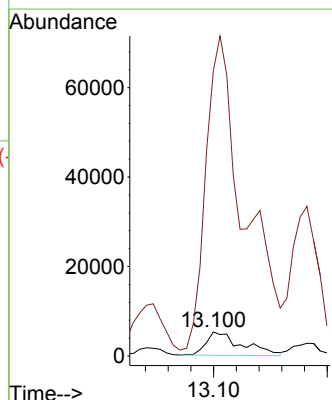
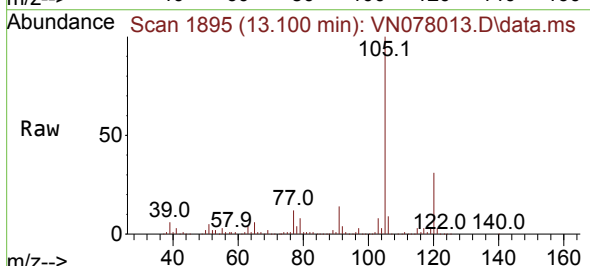
Acq: 01 Jun 2023 16:26

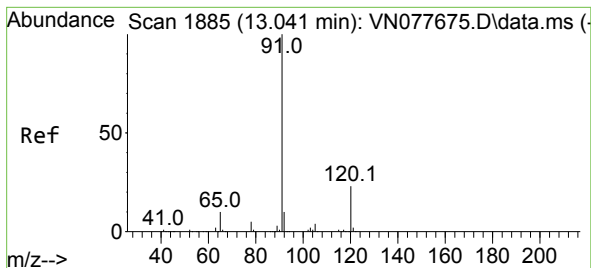
Tgt Ion: 75 Resp: 11316

Ion Ratio Lower Upper

75 100

77 1112.3 84.5 253.5#





#78

n-propylbenzene

Concen: 14.937 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

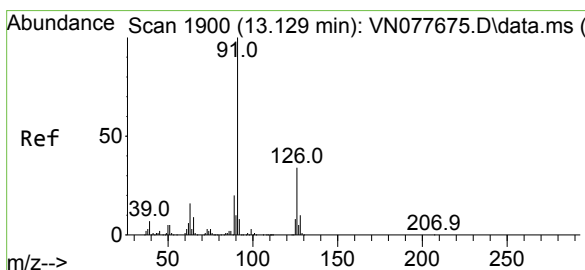
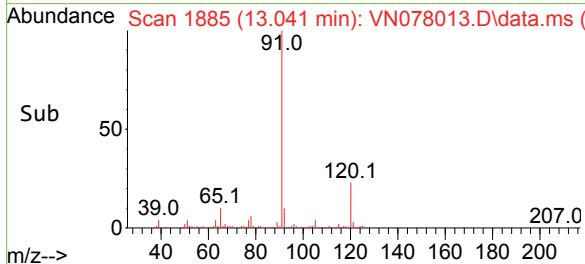
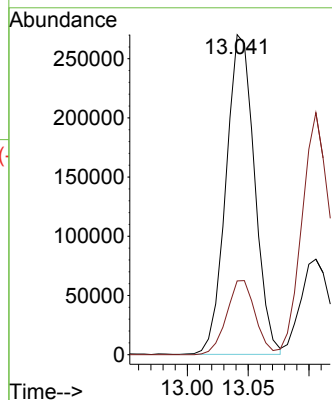
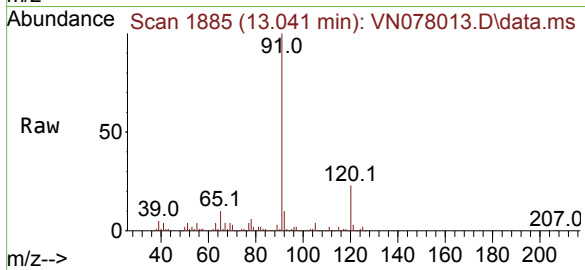
ORA-0588

Tgt Ion: 91 Resp: 441042

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#79

2-Chlorotoluene

Concen: 10.334 ug/l

RT: 13.106 min Scan# 1896

Delta R.T. -0.023 min

Lab File: VN078013.D

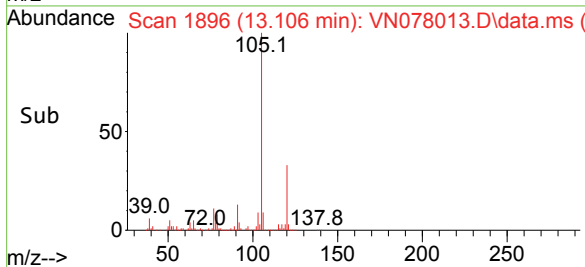
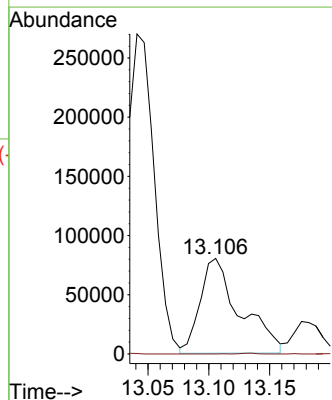
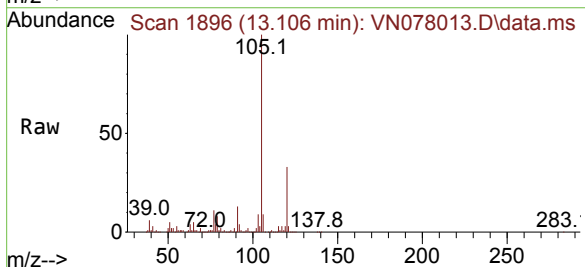
Acq: 01 Jun 2023 16:26

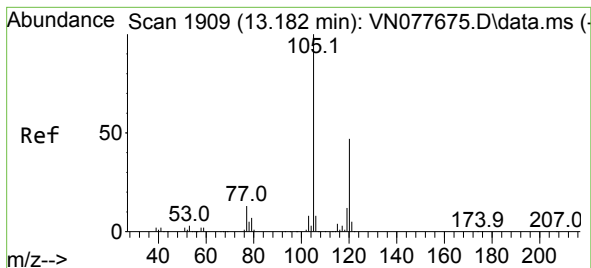
Tgt Ion: 91 Resp: 182080

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 18.672 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

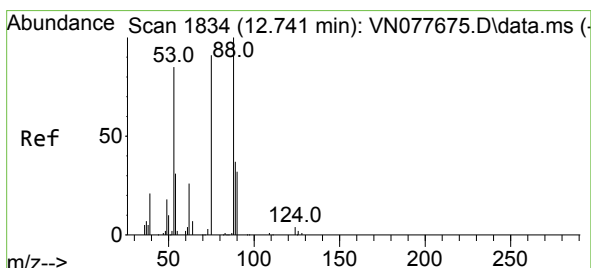
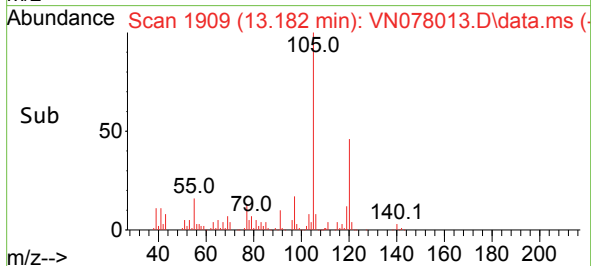
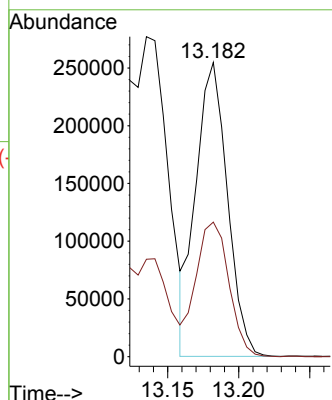
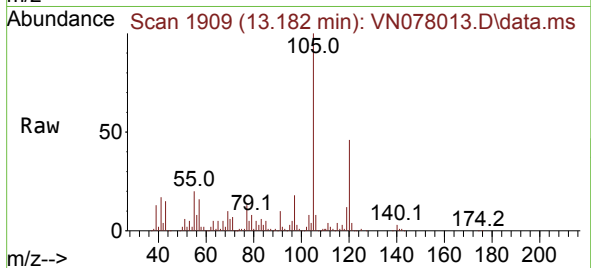
ORA-0588

Tgt Ion:105 Resp: 393040

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 78.179 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

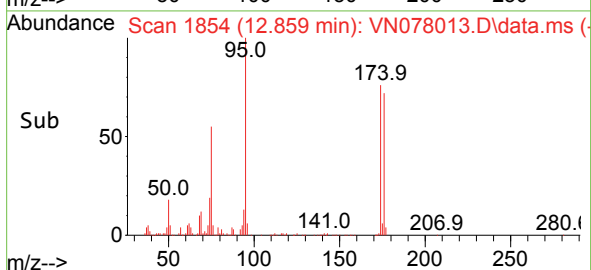
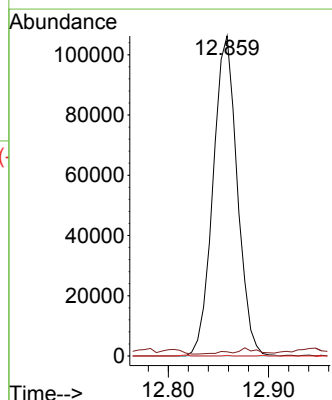
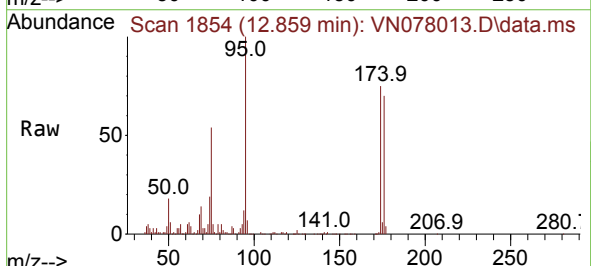
Tgt Ion: 75 Resp: 177964

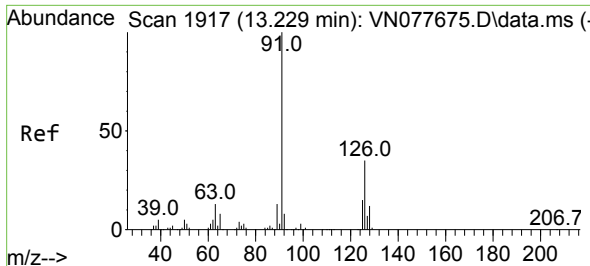
Ion Ratio Lower Upper

75 100

53 1.8 67.4 101.2#

89 0.0 38.8 58.2#

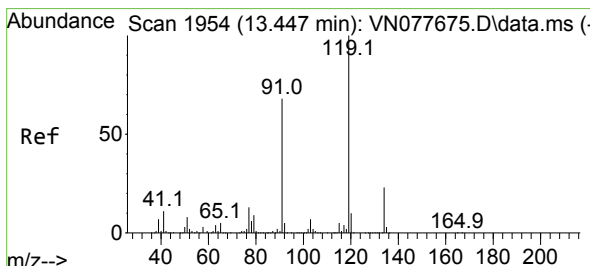
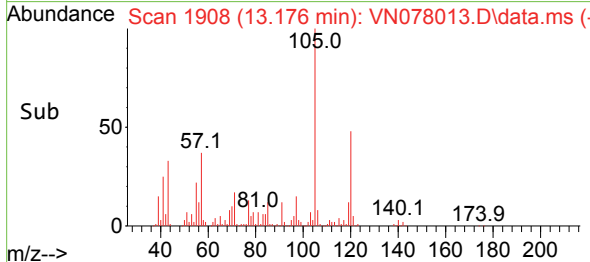
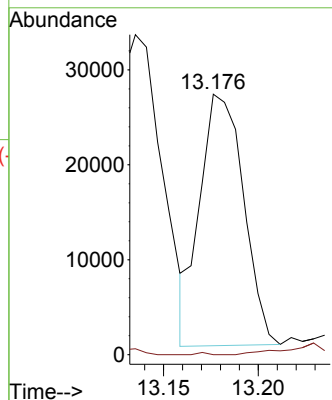
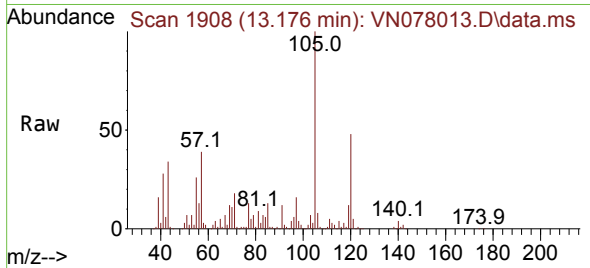




#82
4-Chlorotoluene
Concen: 2.417 ug/l
RT: 13.176 min Scan# 1917
Delta R.T. -0.053 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

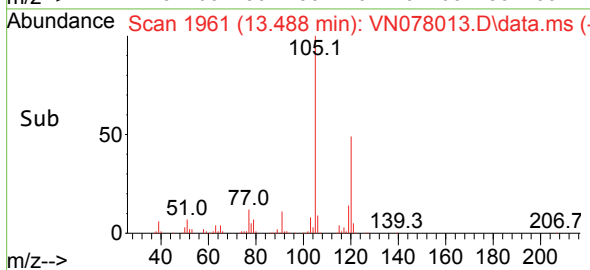
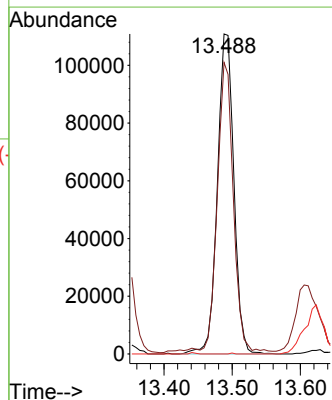
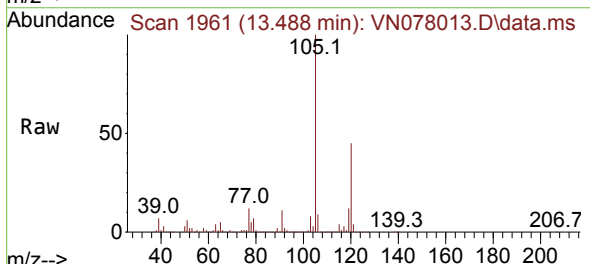
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

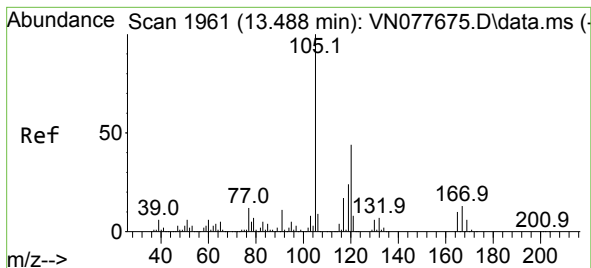
Tgt Ion: 91 Resp: 42367
Ion Ratio Lower Upper
91 100
126 0.2 16.7 50.0#



#83
tert-Butylbenzene
Concen: 10.166 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.041 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 119 Resp: 186819
Ion Ratio Lower Upper
119 100
91 86.4 33.9 101.7
134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 73.496 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN078013.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

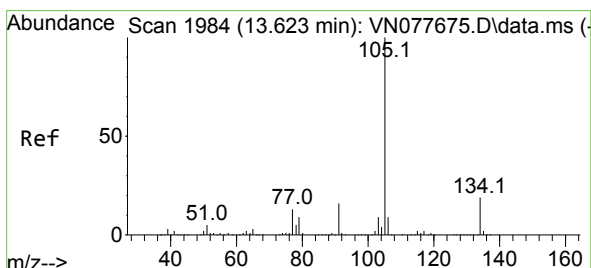
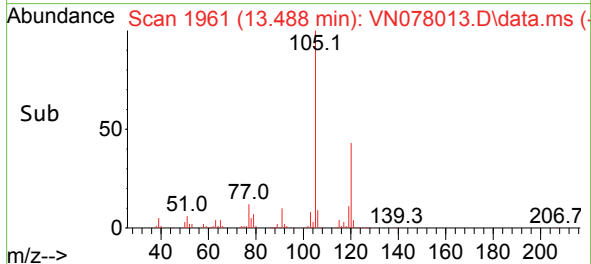
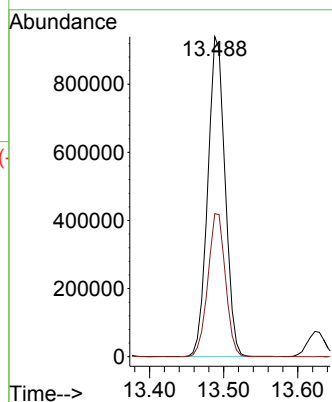
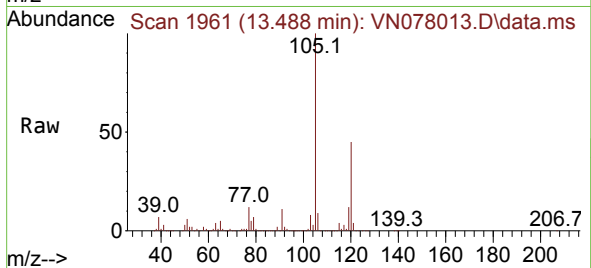
ORA-0588

Tgt Ion:105 Resp: 1521528

Ion Ratio Lower Upper

105 100

120 45.4 22.0 66.0



#85

sec-Butylbenzene

Concen: 4.687 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078013.D

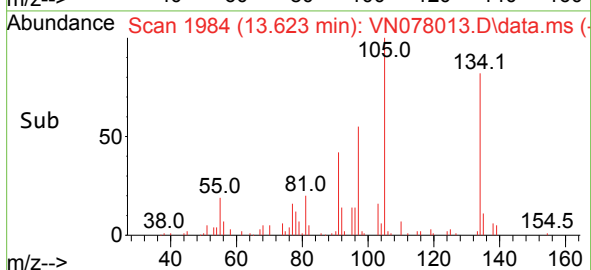
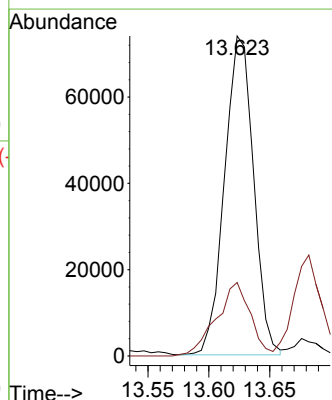
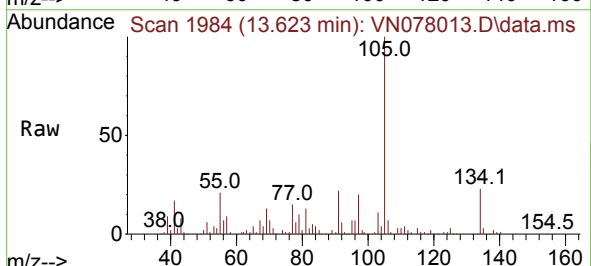
Acq: 01 Jun 2023 16:26

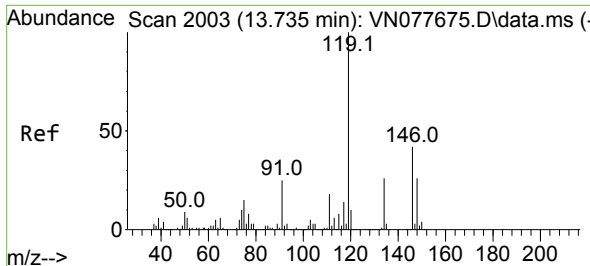
Tgt Ion:105 Resp: 122415

Ion Ratio Lower Upper

105 100

134 27.0 9.8 29.3

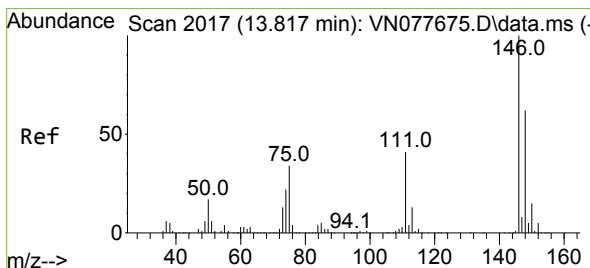
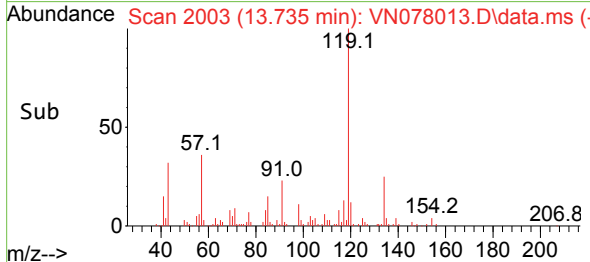
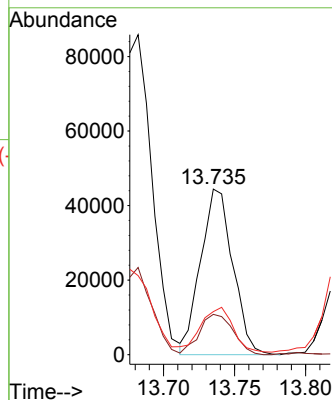
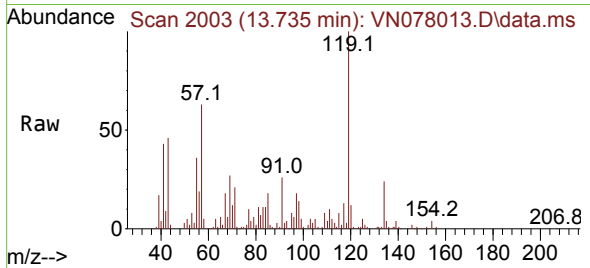




#86
p-Isopropyltoluene
Concen: 3.363 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

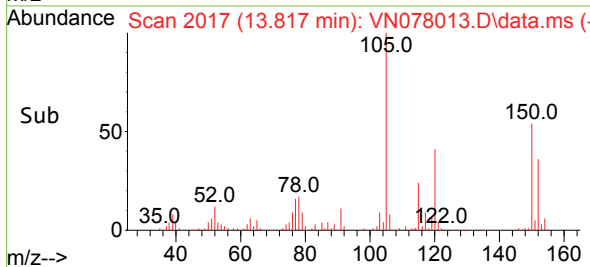
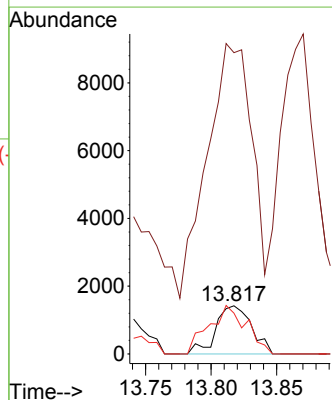
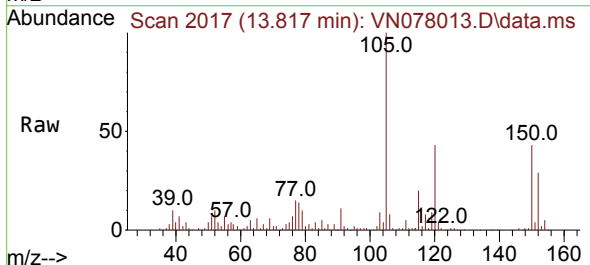
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

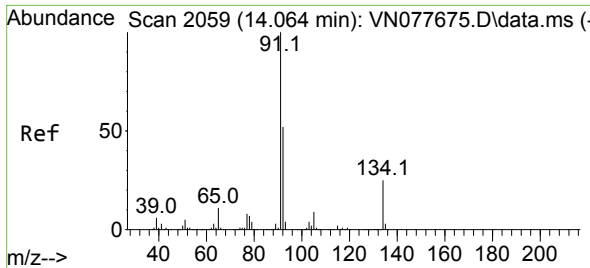
Tgt Ion:119 Resp: 70018
Ion Ratio Lower Upper
119 100
134 25.7 12.6 37.8
91 26.6 12.4 37.2



#88
1,4-Dichlorobenzene
Concen: 0.256 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion:146 Resp: 2684
Ion Ratio Lower Upper
146 100
111 660.5 20.6 61.8#
148 106.5 31.6 94.8#

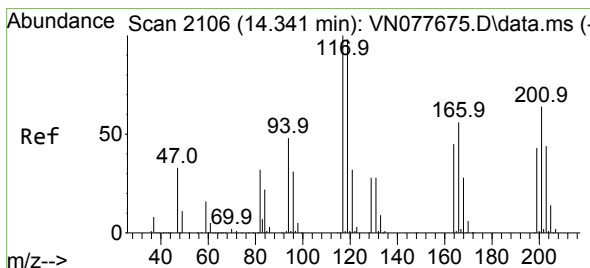
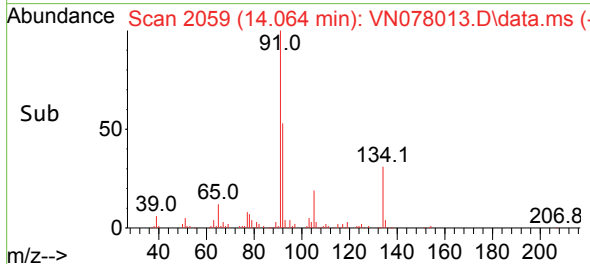
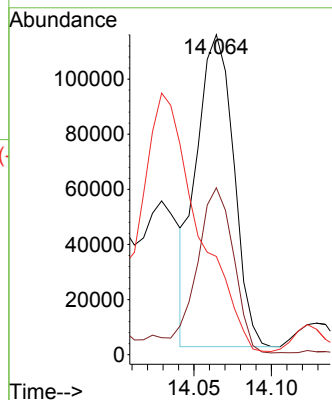
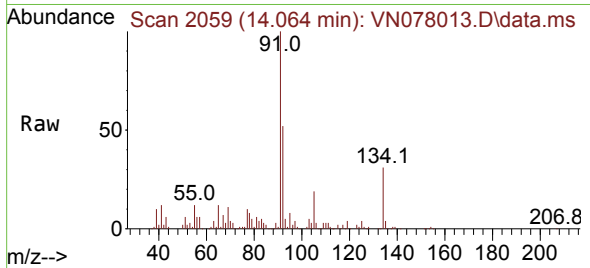




#89
n-Butylbenzene
Concen: 9.854 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

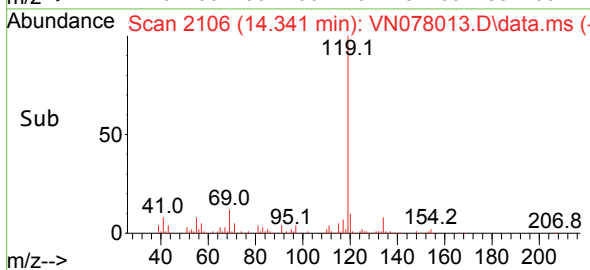
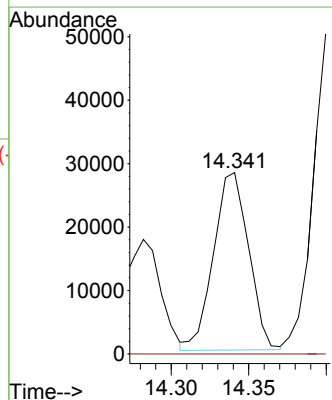
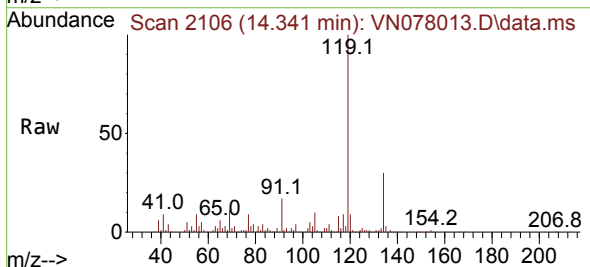
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

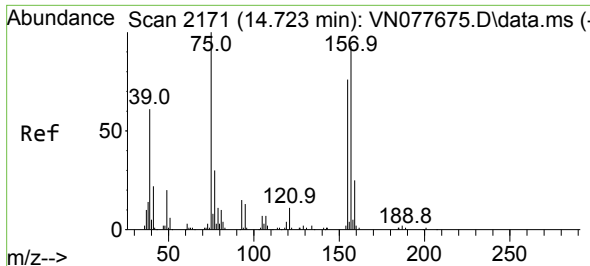
Tgt Ion: 91 Resp: 188708
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.0
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 12.883 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 117 Resp: 44064
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

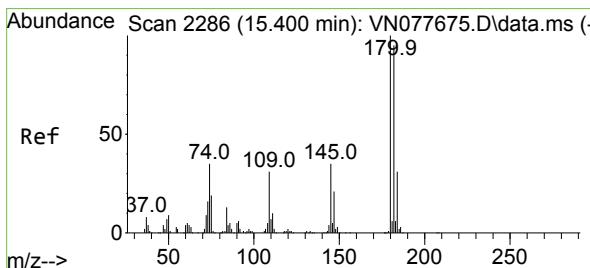
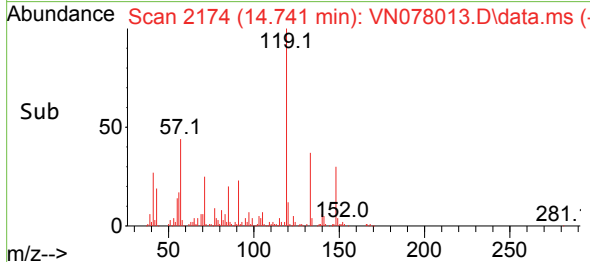
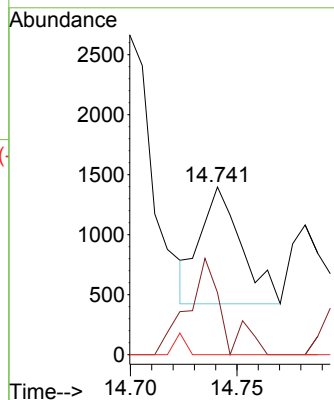
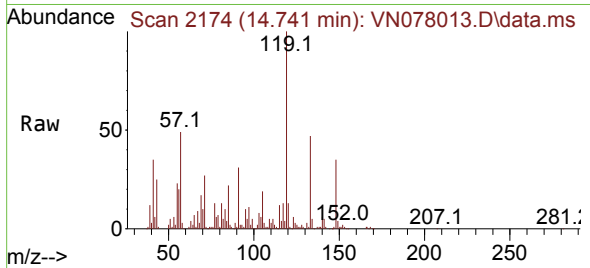




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.871 ug/l
 RT: 14.741 min Scan# 2174
 Delta R.T. 0.018 min
 Lab File: VN078013.D
 Acq: 01 Jun 2023 16:26

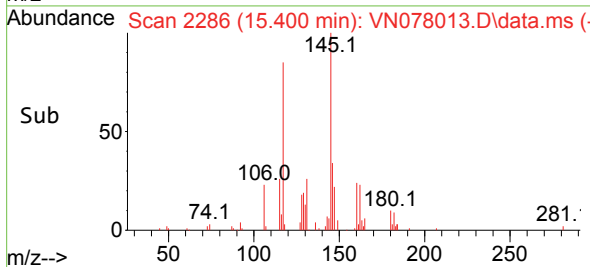
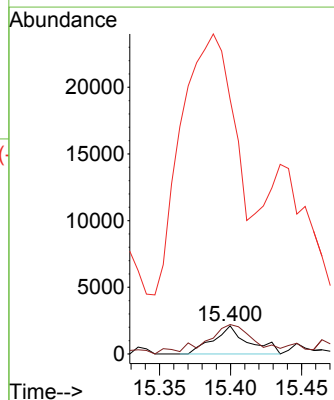
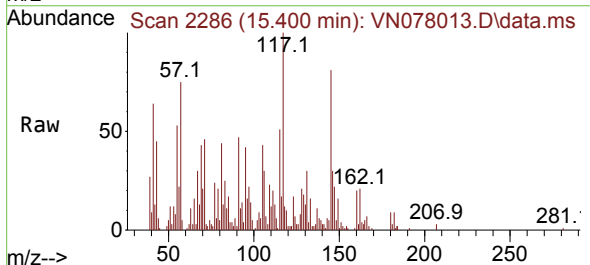
Instrument :
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 ClientSampleId :
 ORA-0588

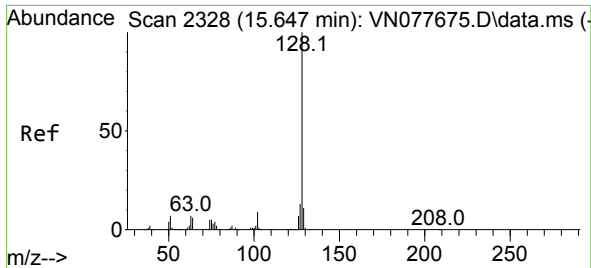
Tgt Ion: 75 Resp: 1300
 Ion Ratio Lower Upper
 75 100
 155 72.2 39.1 117.2
 157 4.9 50.3 150.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.622 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. -0.000 min
 Lab File: VN078013.D
 Acq: 01 Jun 2023 16:26

Tgt Ion:180 Resp: 3591
 Ion Ratio Lower Upper
 180 100
 182 143.3 46.1 138.2#
 145 1975.8 16.6 49.8#





#95

Naphthalene

Concen: 11.104 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078013.D

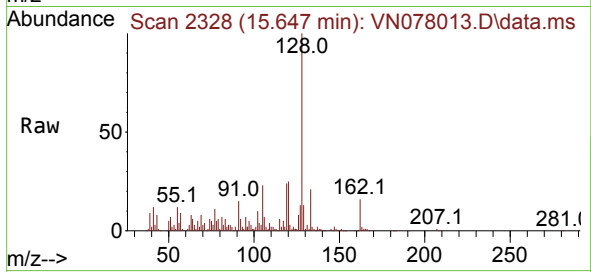
Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_N

ClientSampleId :

ORA-0588



Tgt Ion:128 Resp: 220542

Ion Ratio Lower Upper

128 100

127 11.7 10.0 15.0

129 13.9 8.7 13.1#

