

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077413.D
 Acq On : 20 Apr 2023 20:24
 Operator : JC\MD
 Sample : 02386-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPA-2WC-23-04

Quant Time: Apr 21 02:42:23 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)

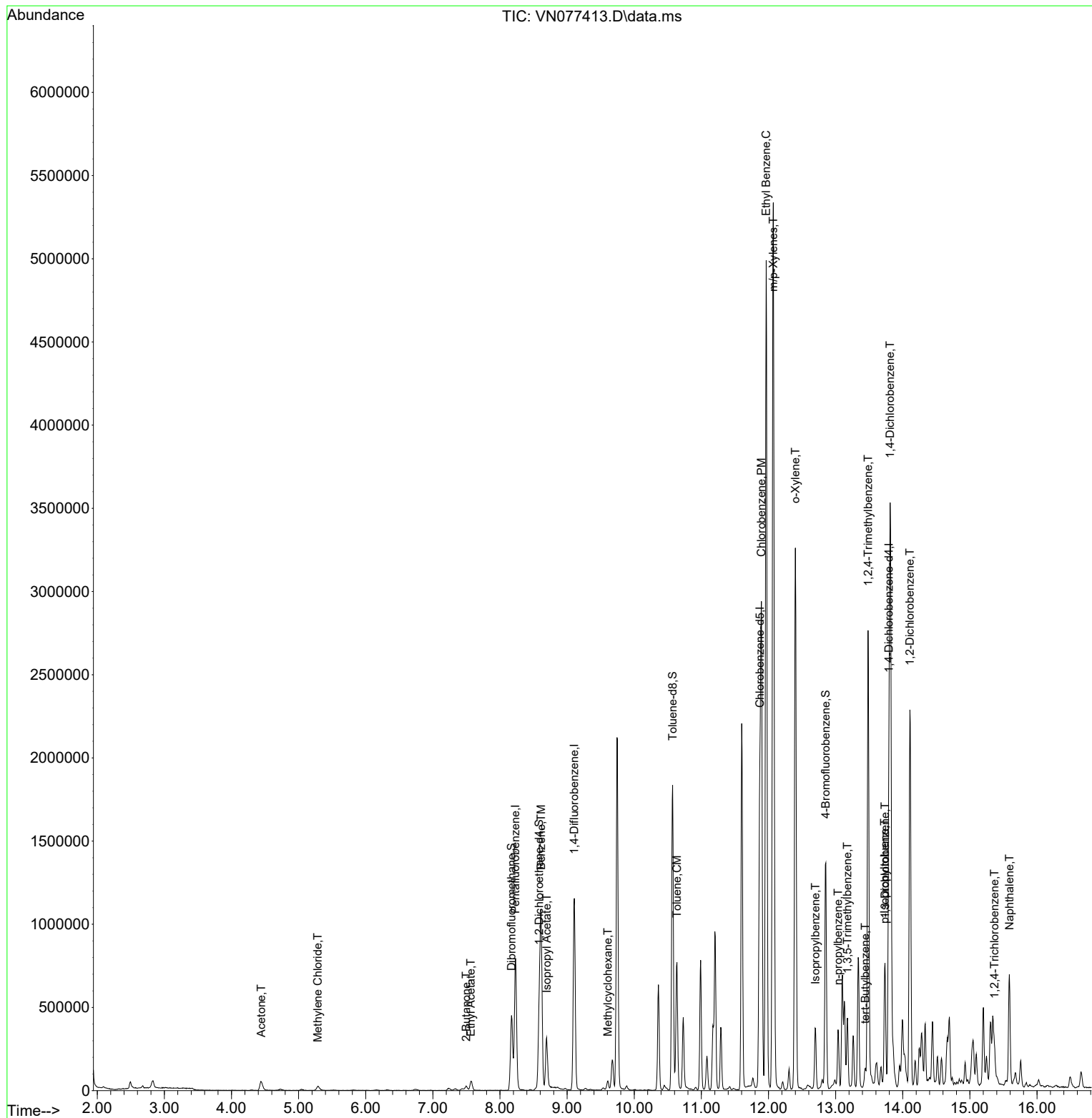
Internal Standards						
1) Pentafluorobenzene	8.231	168	564873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1074951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	991197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	433155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	365335	47.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.640%		
35) Dibromofluoromethane	8.172	113	325716	47.332	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.660%		
50) Toluene-d8	10.572	98	1313227	47.404	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.800%		
62) 4-Bromofluorobenzene	12.854	95	494881	53.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.420%		
Target Compounds					Qvalue	
16) Acetone	4.443	43	101270	35.577	ug/l	96
20) Methylene Chloride	5.284	84	21961	2.732	ug/l	88
25) 2-Butanone	7.495	43	25085	5.430	ug/l	98
37) Ethyl Acetate	7.566	43	80634	8.855	ug/l #	95
39) Methylcyclohexane	9.607	83	24820	1.809	ug/l #	86
40) Benzene	8.613	78	1068404	33.655	ug/l	98
43) Isopropyl Acetate	8.695	43	356891	21.240	ug/l #	90
52) Toluene	10.636	92	350253	16.856	ug/l	99
65) Chlorobenzene	11.895	112	1637779	75.050	ug/l	99
67) Ethyl Benzene	11.966	91	3774712	93.737	ug/l	97
68) m/p-Xylenes	12.071	106	1827481	115.498	ug/l	99
69) o-Xylene	12.401	106	987770	63.280	ug/l	100
73) Isopropylbenzene	12.701	105	251129	5.969	ug/l	99
78) n-propylbenzene	13.036	91	274745	5.910	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	227726	6.777	ug/l	99
83) tert-Butylbenzene	13.442	119	59452	1.988	ug/l	95
84) 1,2,4-Trimethylbenzene	13.483	105	1636004	49.280	ug/l	100
86) p-Isopropyltoluene	13.730	119	100331	3.063	ug/l	97
87) 1,3-Dichlorobenzene	13.736	146	247645	15.648	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	992222	63.574	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	957790	60.495	ug/l	100
93) 1,2,4-Trichlorobenzene	15.365	180	38427	6.723	ug/l	92
95) Naphthalene	15.589	128	513260	23.906	ug/l	99

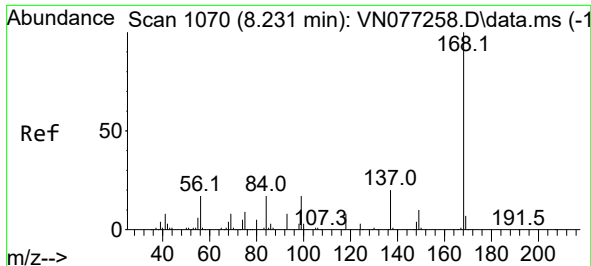
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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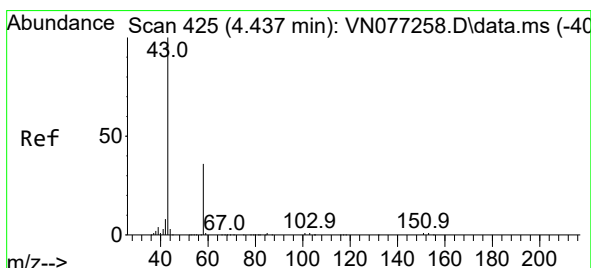
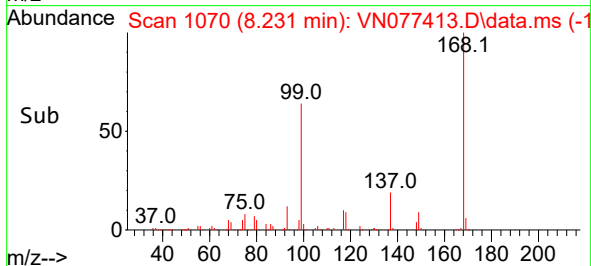
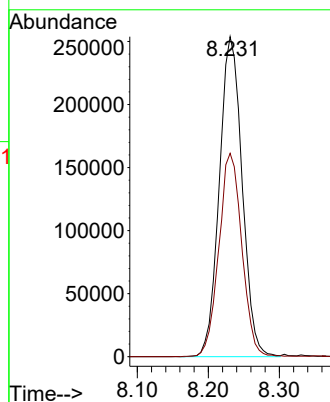
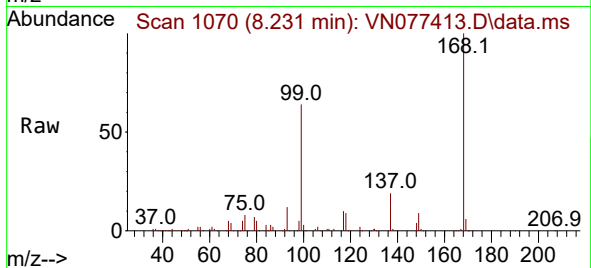




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

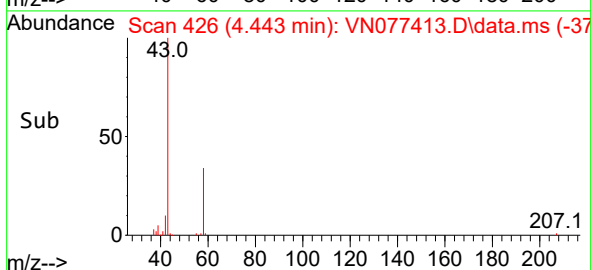
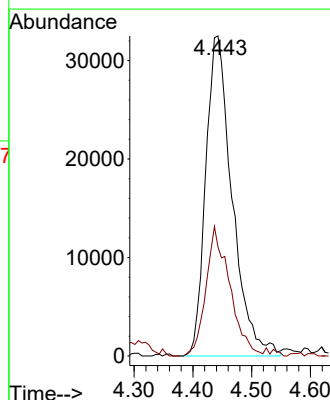
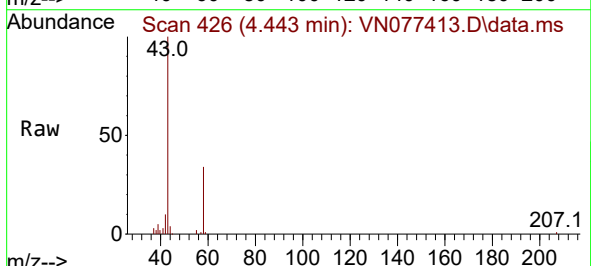
Instrument :
MSVOA_N
ClientSampleId :
SPA-2WC-23-04

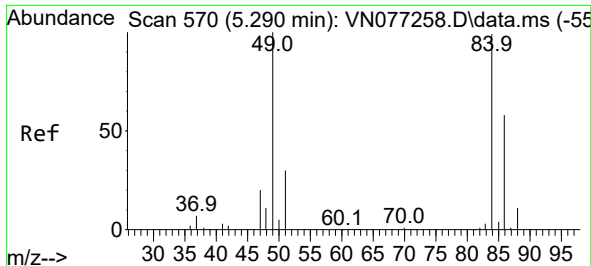
Tgt Ion:168 Resp: 564873
Ion Ratio Lower Upper
168 100
99 63.6 50.6 75.8



#16
Acetone
Concen: 35.577 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion: 43 Resp: 101270
Ion Ratio Lower Upper
43 100
58 34.1 29.0 43.6

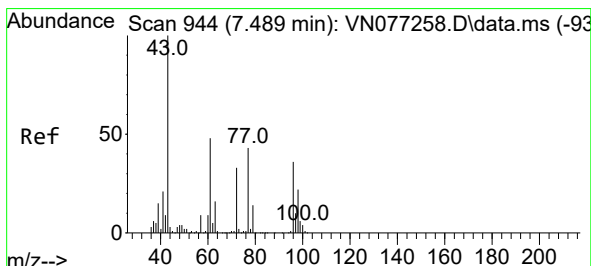
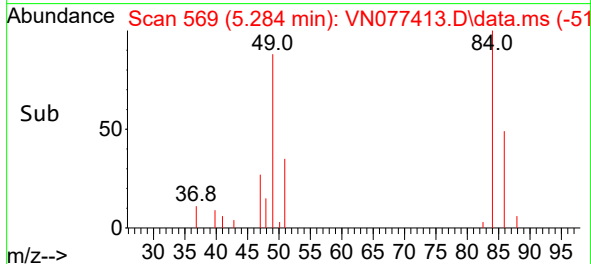
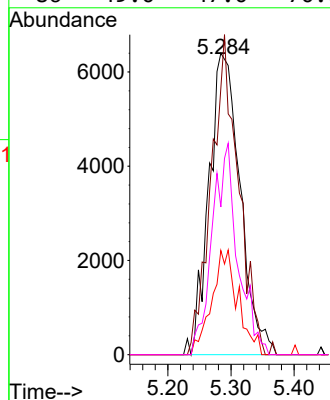
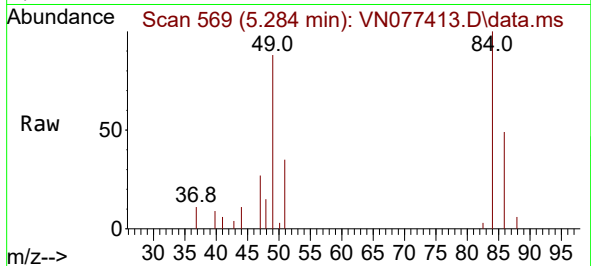




#20
Methylene Chloride
Concen: 2.732 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

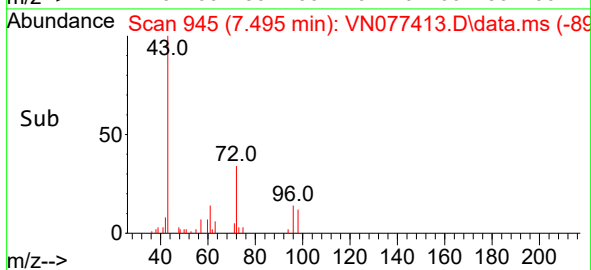
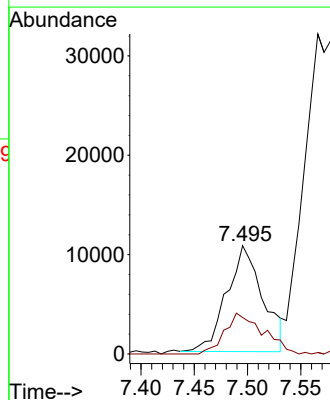
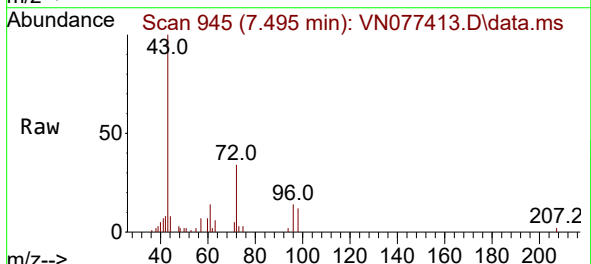
Instrument :
MSVOA_N
ClientSampleId :
SPA-2WC-23-04

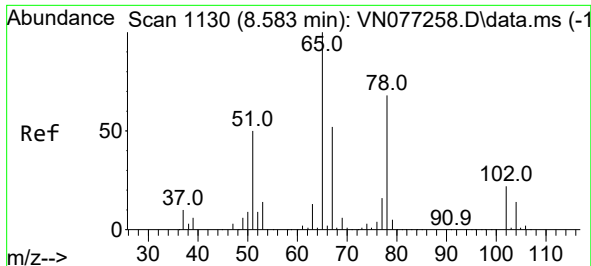
Tgt Ion:	84	Resp:	21961
Ion	Ratio	Lower	Upper
84	100		
49	88.4	80.6	121.0
51	34.6	24.4	36.6
86	49.0	47.0	70.6



#25
2-Butanone
Concen: 5.430 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion:	43	Resp:	25085
Ion	Ratio	Lower	Upper
43	100		
72	34.5	26.6	39.8





#33

1,2-Dichloroethane-d4

Concen: 47.321 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

Instrument :

MSVOA_N

ClientSampleId :

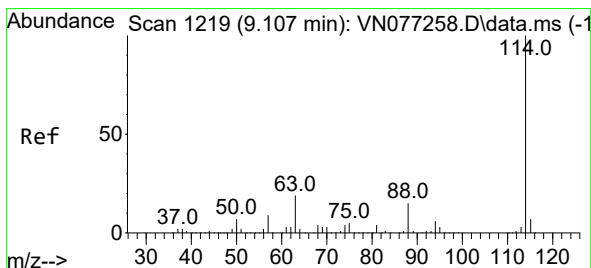
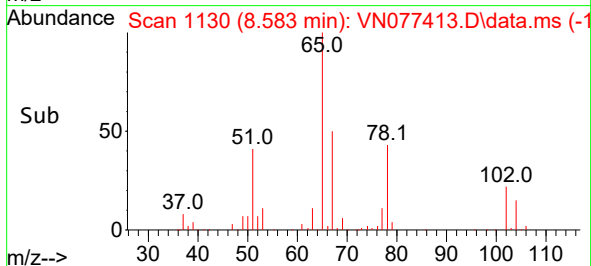
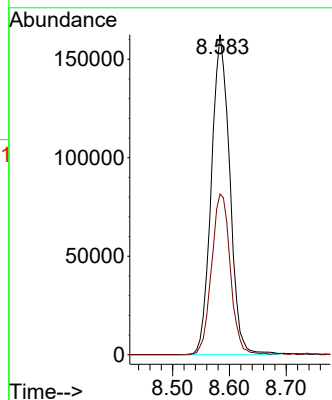
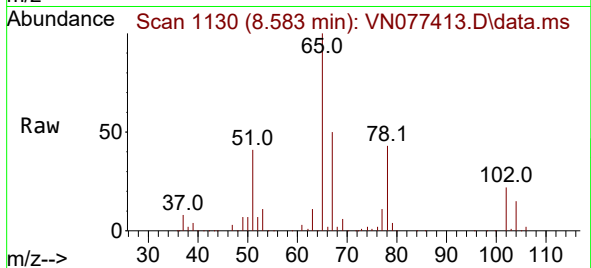
SPA-2WC-23-04

Tgt Ion: 65 Resp: 365335

Ion Ratio Lower Upper

65 100

67 51.3 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: VN077413.D

Acq: 20 Apr 2023 20:24

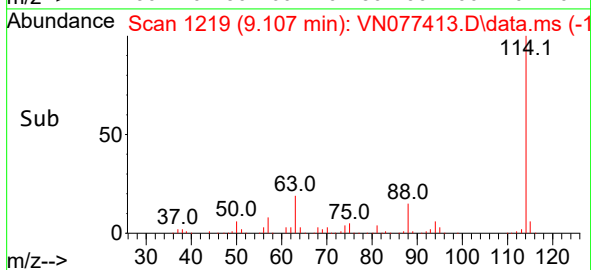
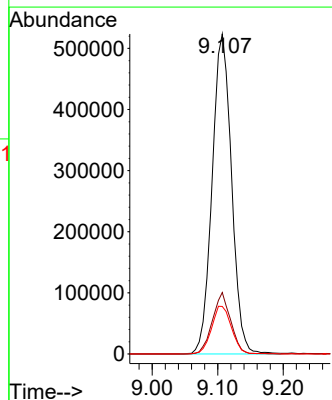
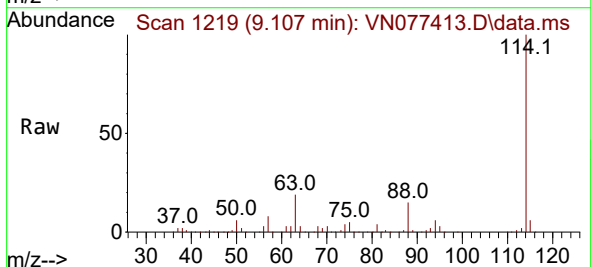
Tgt Ion: 114 Resp: 1074951

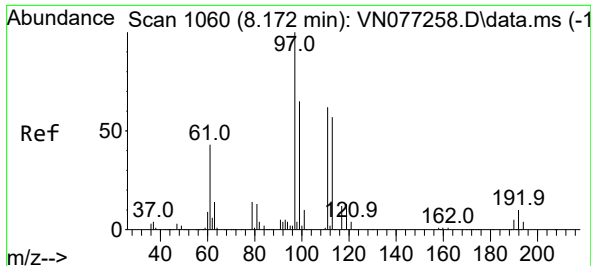
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.8

88 14.8 0.0 29.4

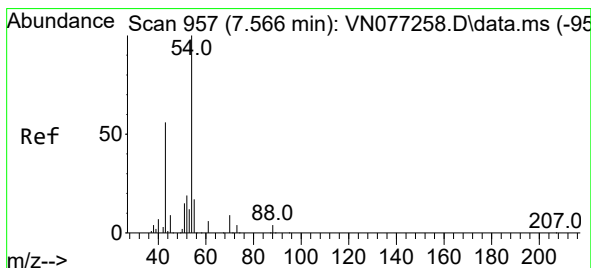
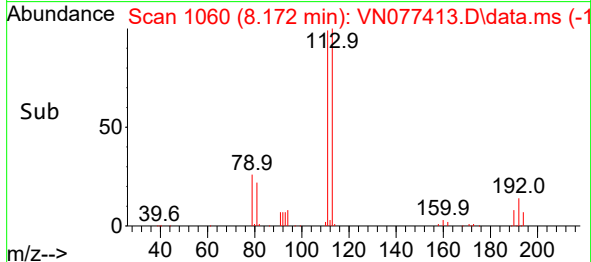
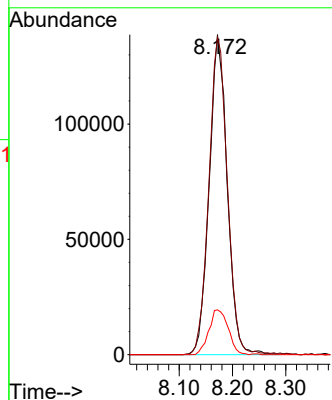
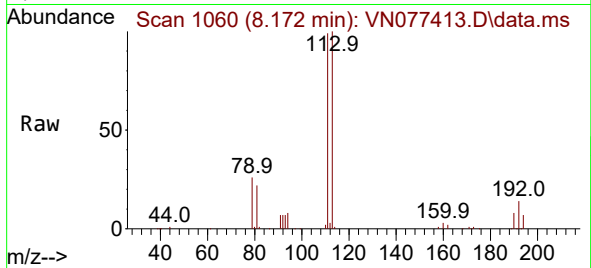




#35
Dibromofluoromethane
Concen: 47.332 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

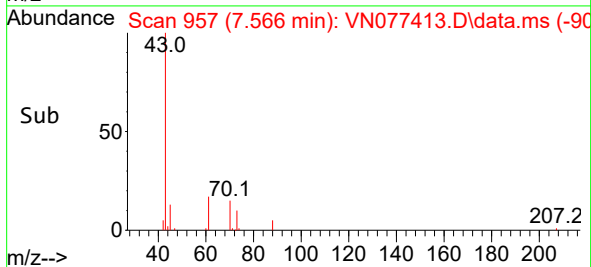
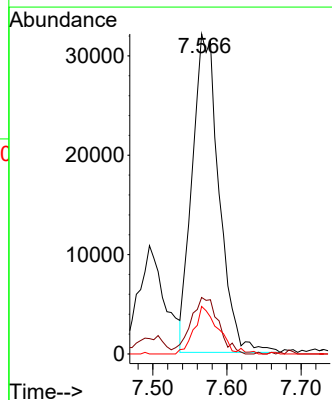
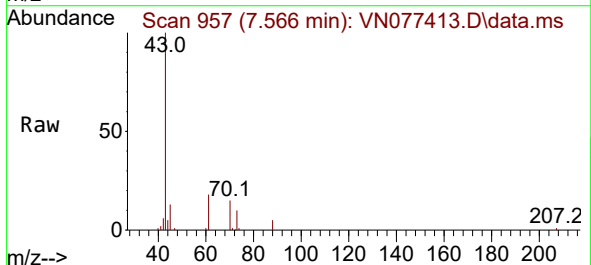
Instrument :
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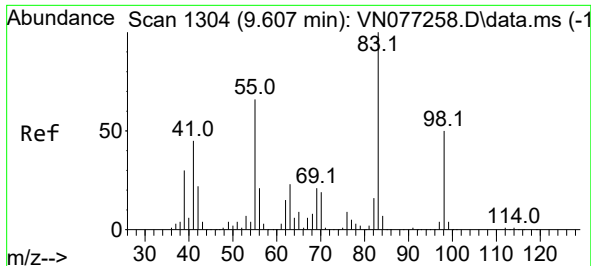
Tgt Ion:113 Resp: 325716
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.0
192 15.0 13.5 20.3



#37
Ethyl Acetate
Concen: 8.855 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion: 43 Resp: 80634
Ion Ratio Lower Upper
43 100
61 18.4 12.2 18.2#
70 12.9 10.0 15.0





#39

Methylcyclohexane

Concen: 1.809 ug/l

RT: 9.607 min Scan# 1134

Delta R.T. -0.000 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

Instrument :

MSVOA_N

ClientSampleId :

SPA-2WC-23-04

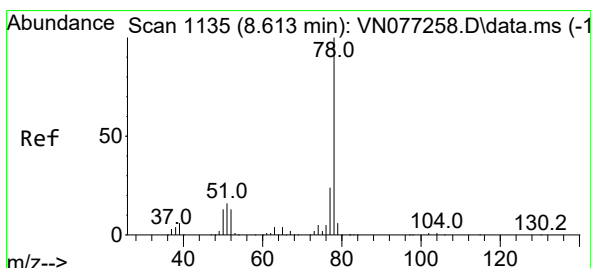
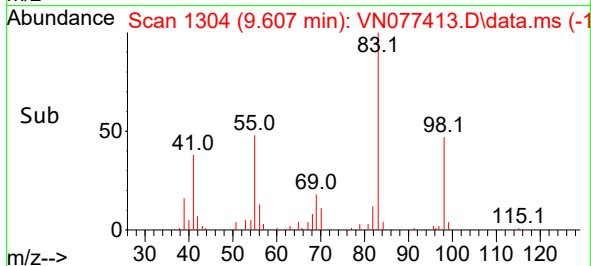
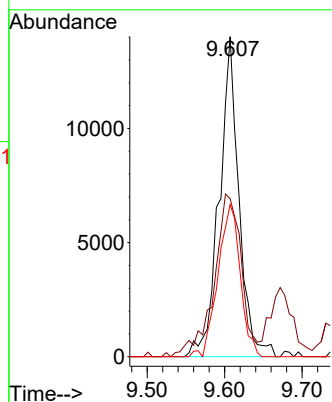
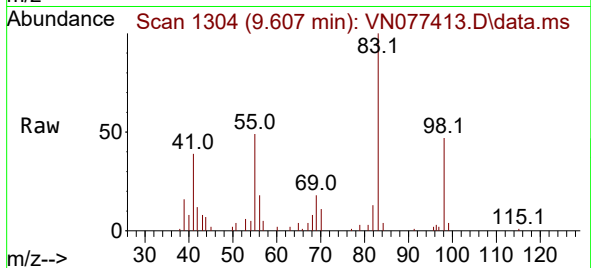
Tgt Ion: 83 Resp: 24820

Ion Ratio Lower Upper

83 100

55 47.9 52.4 78.6#

98 47.5 39.8 59.6



#40

Benzene

Concen: 33.655 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN077413.D

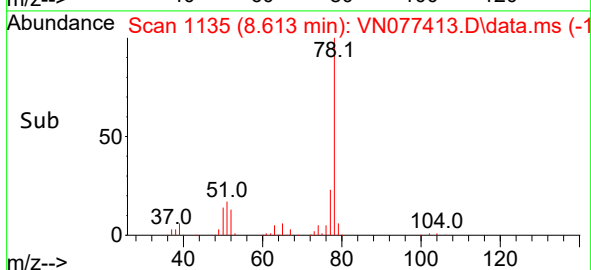
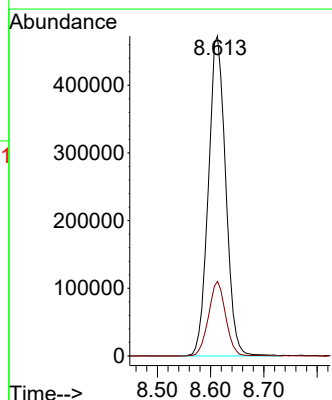
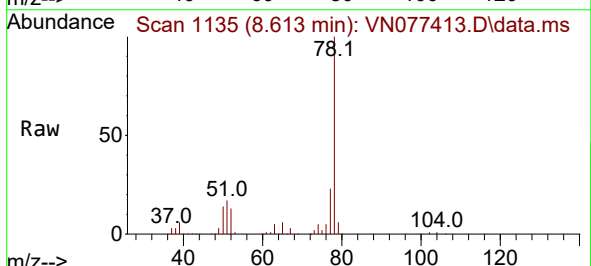
Acq: 20 Apr 2023 20:24

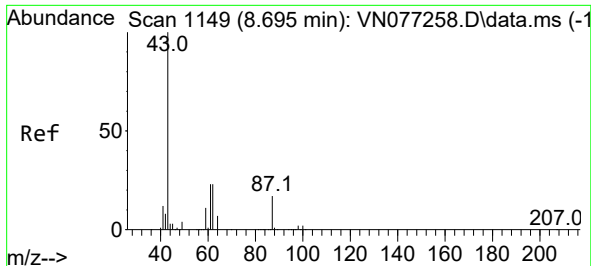
Tgt Ion: 78 Resp: 1068404

Ion Ratio Lower Upper

78 100

77 23.3 19.5 29.3

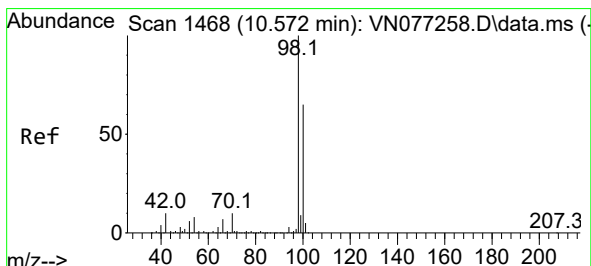
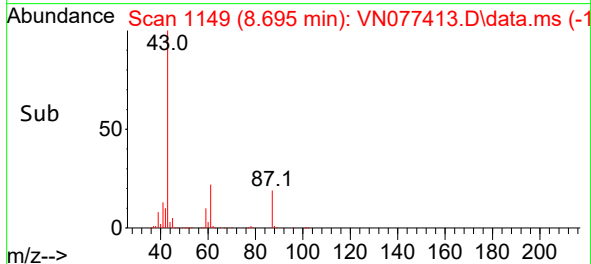
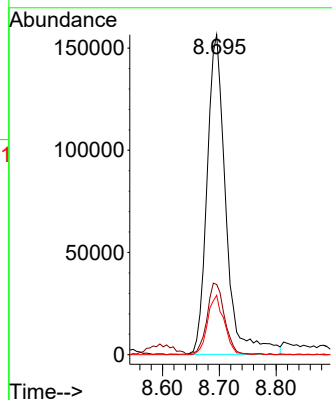
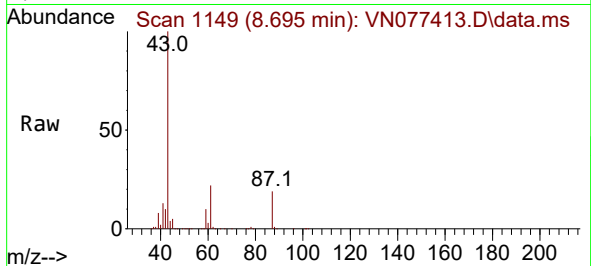




#43
Isopropyl Acetate
Concen: 21.240 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

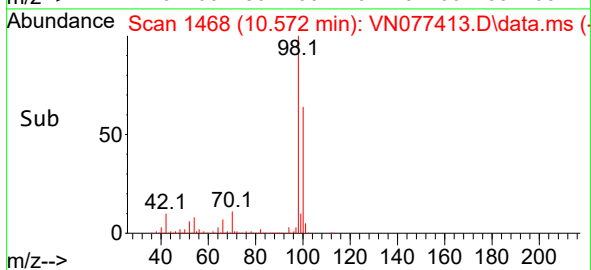
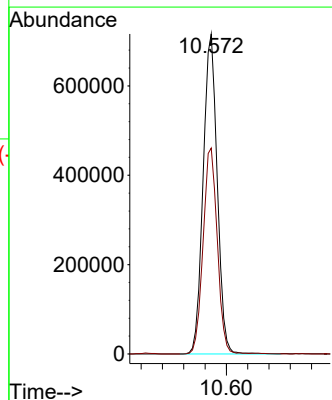
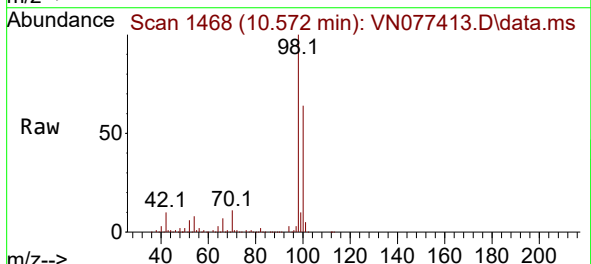
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SPA-2WC-23-04

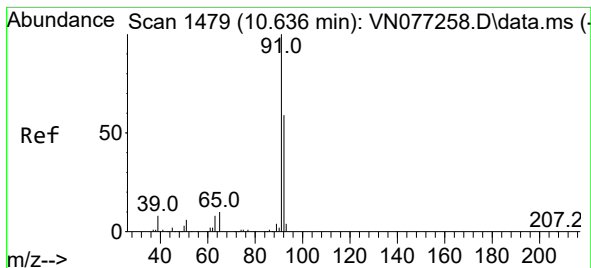
Tgt Ion: 43 Resp: 356891
Ion Ratio Lower Upper
43 100
61 20.7 22.7 34.1#
87 16.4 13.6 20.4



#50
Toluene-d8
Concen: 47.404 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion: 98 Resp: 1313227
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9





#52

Toluene

Concen: 16.856 ug/l

RT: 10.636 min Scan# 1479

Delta R.T. 0.000 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

Instrument :

MSVOA_N

ClientSampleId :

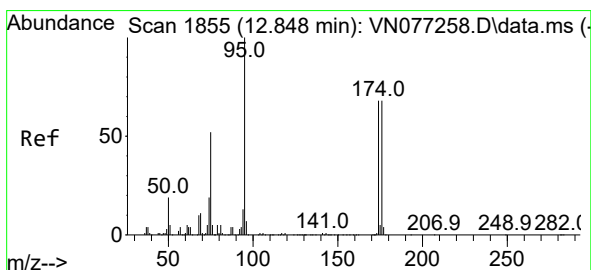
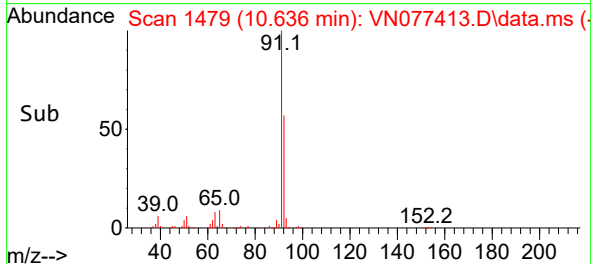
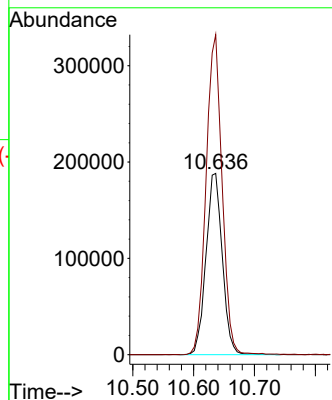
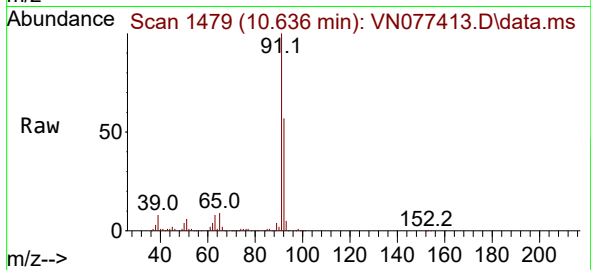
SPA-2WC-23-04

Tgt Ion: 92 Resp: 350253

Ion Ratio Lower Upper

92 100

91 173.4 138.0 207.0



#62

4-Bromofluorobenzene

Concen: 53.712 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

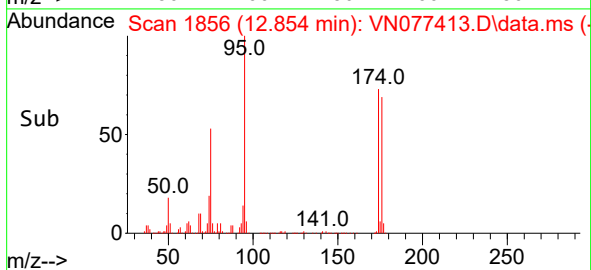
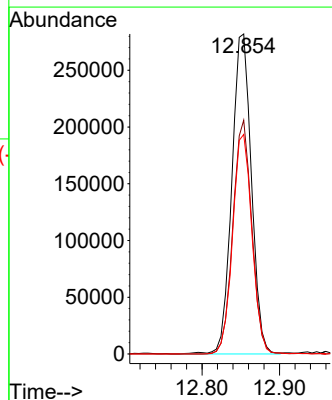
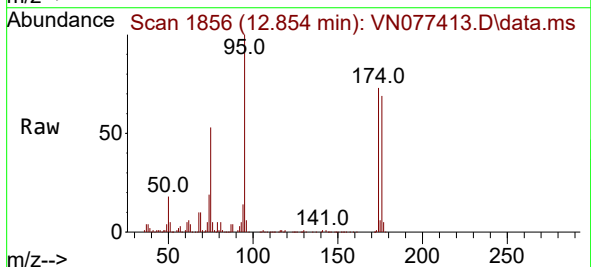
Tgt Ion: 95 Resp: 494881

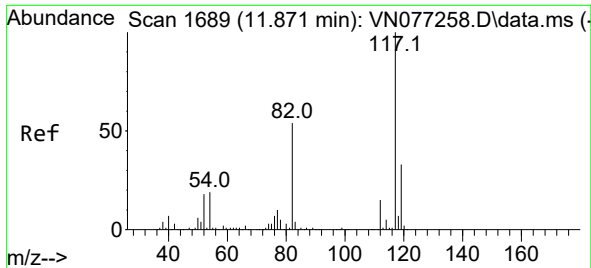
Ion Ratio Lower Upper

95 100

174 70.7 0.0 146.8

176 68.0 0.0 139.6

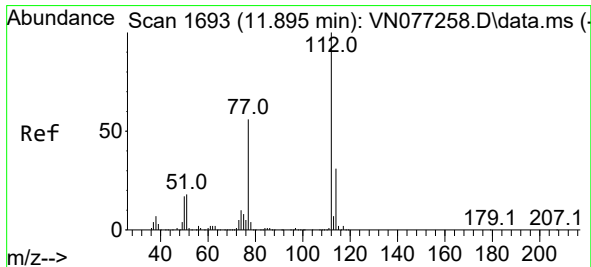
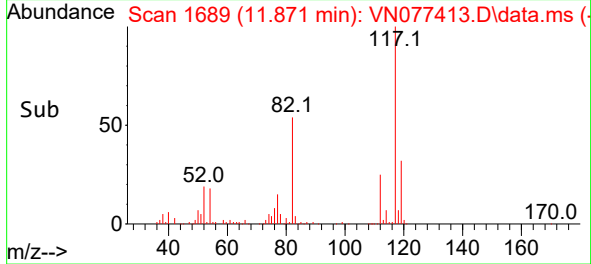
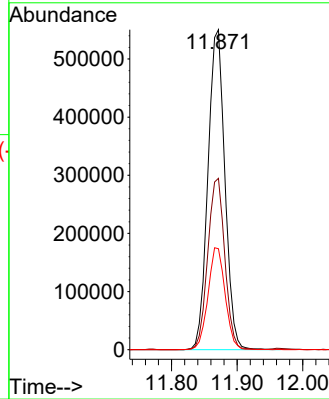
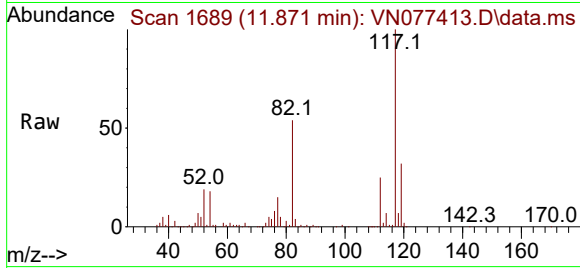




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

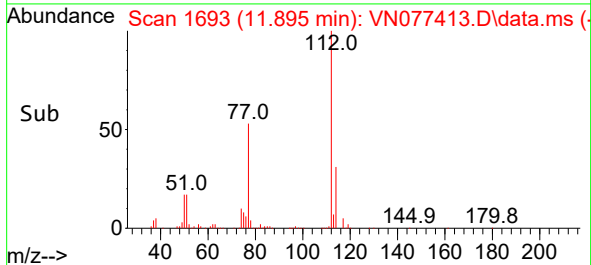
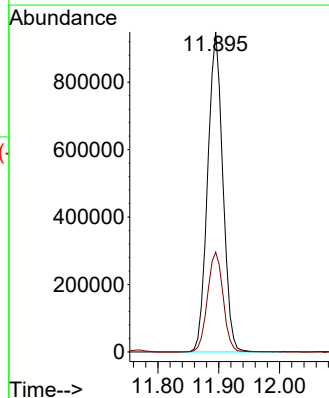
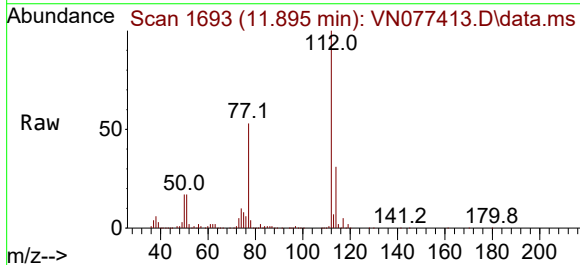
Instrument :
MSVOA_N
ClientSampleId :
SPA-2WC-23-04

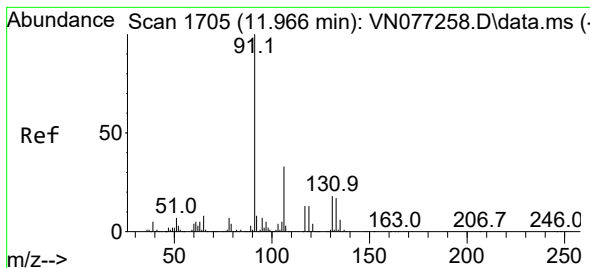
Tgt Ion:117 Resp: 991197
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 31.5 26.2 39.4



#65
Chlorobenzene
Concen: 75.050 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion:112 Resp: 1637779
Ion Ratio Lower Upper
112 100
114 31.2 24.6 36.8





#67

Ethyl Benzene

Concen: 93.737 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

Instrument :

MSVOA_N

ClientSampleId :

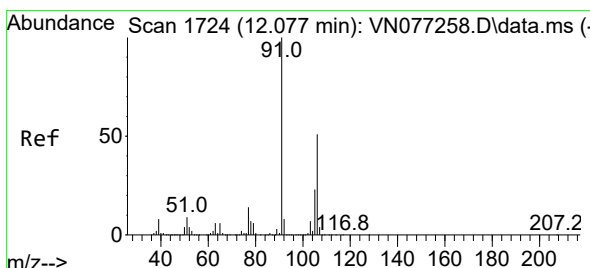
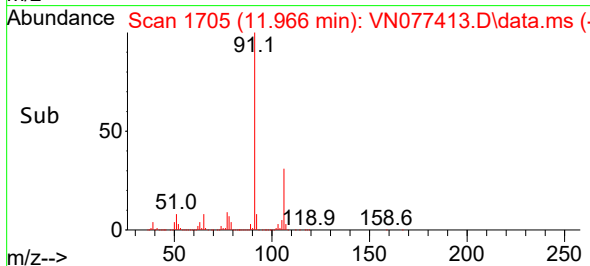
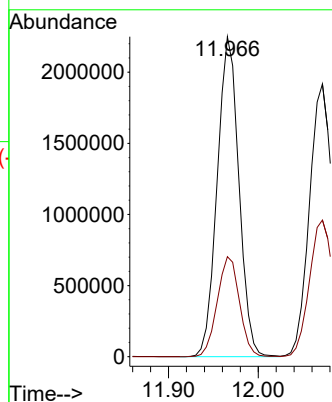
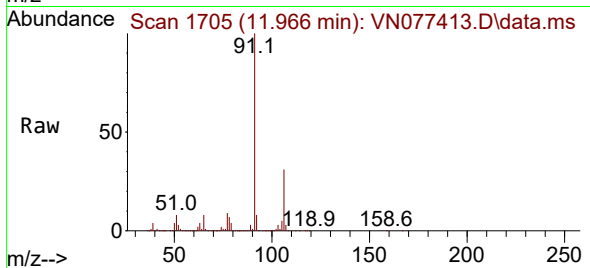
SPA-2WC-23-04

Tgt Ion: 91 Resp: 3774712

Ion Ratio Lower Upper

91 100

106 31.3 26.2 39.2



#68

m/p-Xylenes

Concen: 115.498 ug/l

RT: 12.071 min Scan# 1723

Delta R.T. -0.006 min

Lab File: VN077413.D

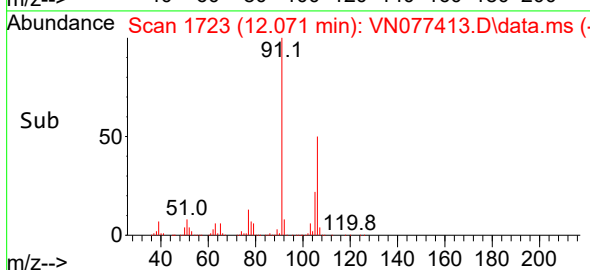
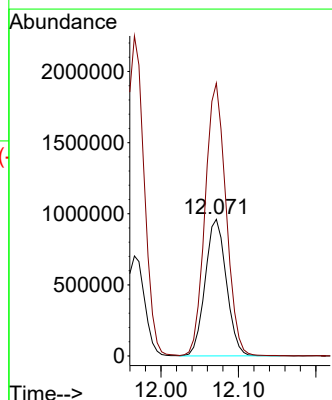
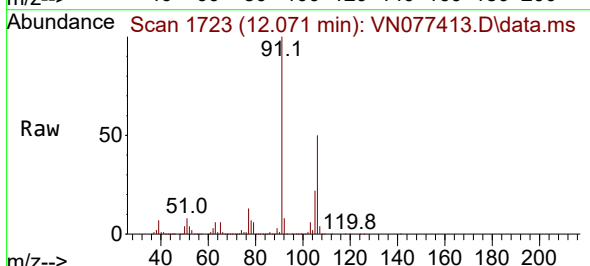
Acq: 20 Apr 2023 20:24

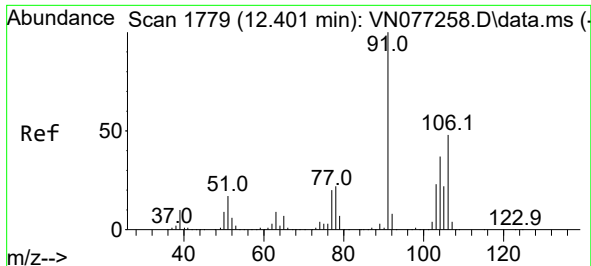
Tgt Ion:106 Resp: 1827481

Ion Ratio Lower Upper

106 100

91 196.7 158.7 238.1

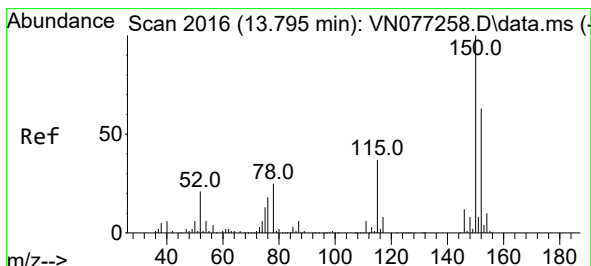
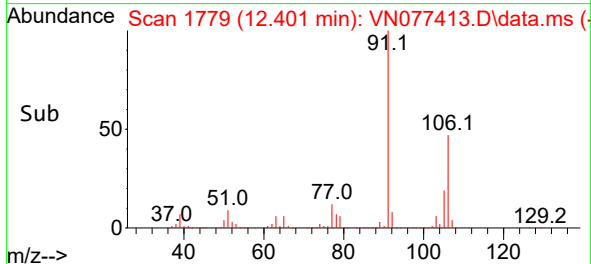
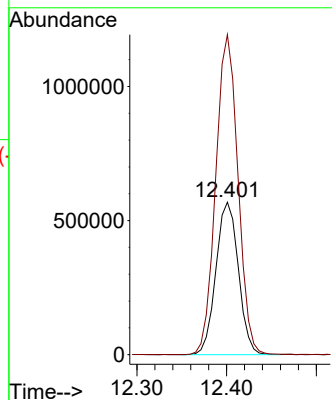
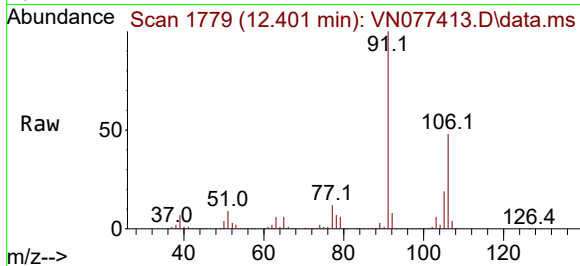




#69
o-Xylene
Concen: 63.280 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

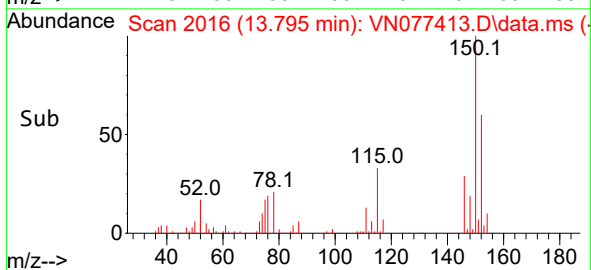
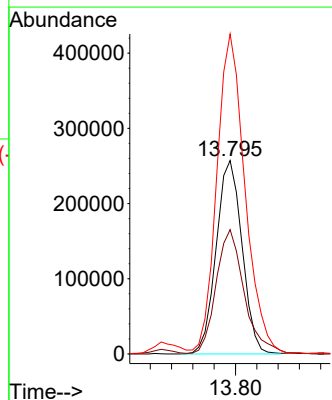
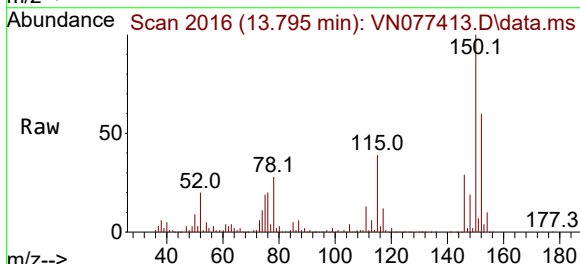
Instrument :
MSVOA_N
ClientSampleId :
SPA-2WC-23-04

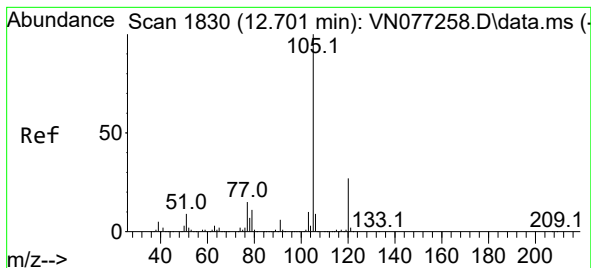
Tgt Ion:106 Resp: 987770
Ion Ratio Lower Upper
106 100
91 207.8 104.0 312.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion:152 Resp: 433155
Ion Ratio Lower Upper
152 100
115 69.5 32.1 96.3
150 180.9 0.0 354.8





#73

Isopropylbenzene

Concen: 5.969 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

Instrument :

MSVOA_N

ClientSampleId :

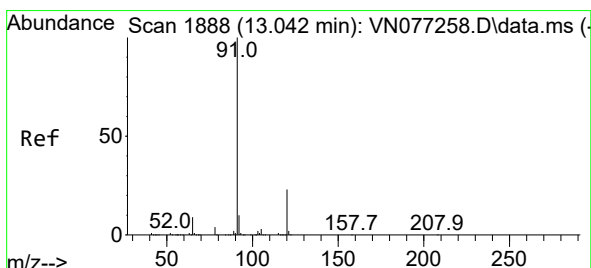
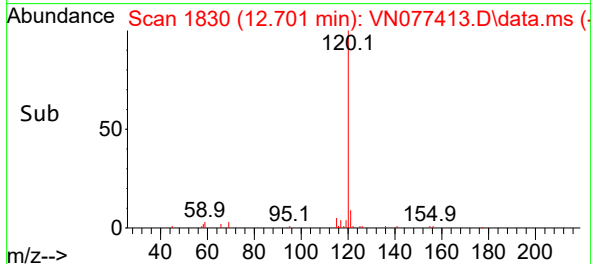
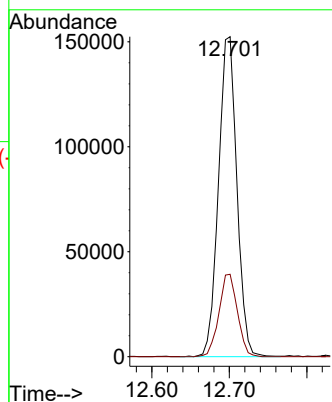
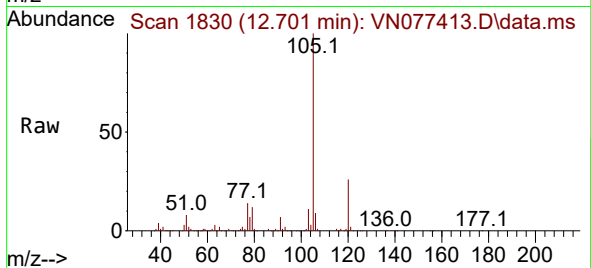
SPA-2WC-23-04

Tgt Ion:105 Resp: 251129

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#78

n-propylbenzene

Concen: 5.910 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. -0.006 min

Lab File: VN077413.D

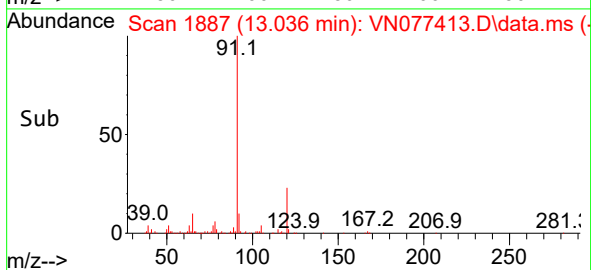
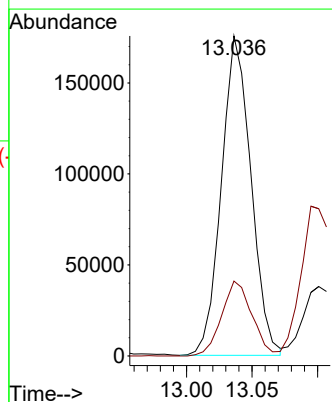
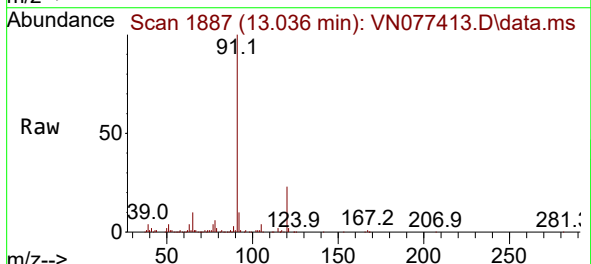
Acq: 20 Apr 2023 20:24

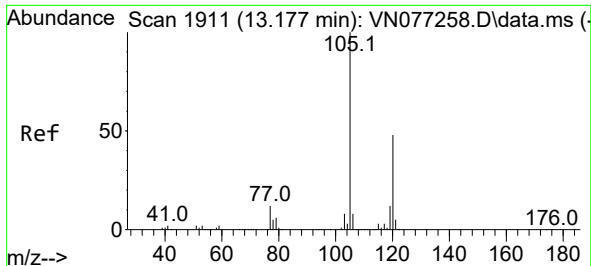
Tgt Ion: 91 Resp: 274745

Ion Ratio Lower Upper

91 100

120 23.9 11.5 34.5

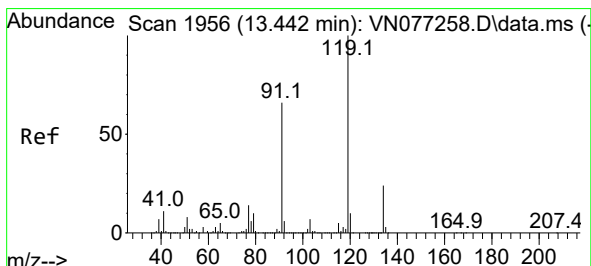
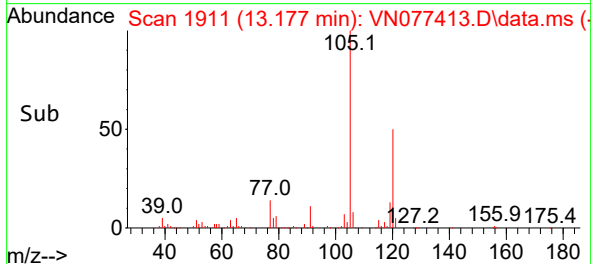
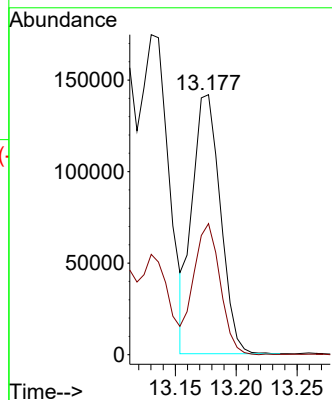
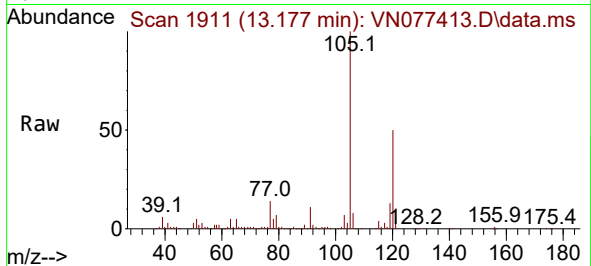




#80
 1,3,5-Trimethylbenzene
 Concen: 6.777 ug/l
 RT: 13.177 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VN077413.D
 Acq: 20 Apr 2023 20:24

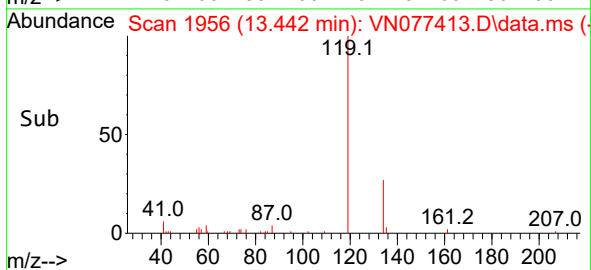
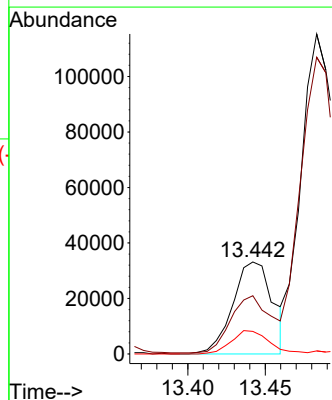
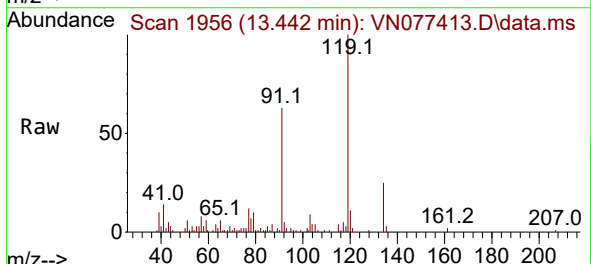
Instrument :
 MSVOA_N
 ClientSampleId :
 SPA-2WC-23-04

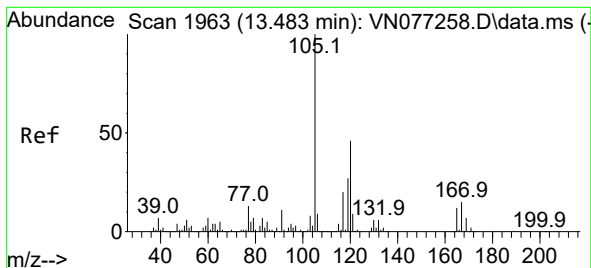
Tgt Ion:105 Resp: 227726
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 73.0



#83
 tert-Butylbenzene
 Concen: 1.988 ug/l
 RT: 13.442 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN077413.D
 Acq: 20 Apr 2023 20:24

Tgt Ion:119 Resp: 59452
 Ion Ratio Lower Upper
 119 100
 91 63.3 33.5 100.4
 134 24.1 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 49.280 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

Instrument :

MSVOA_N

ClientSampleId :

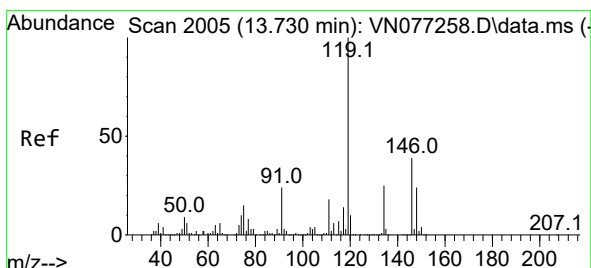
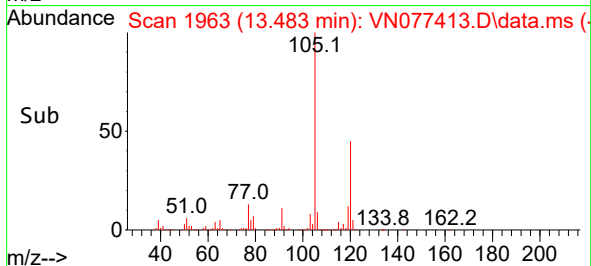
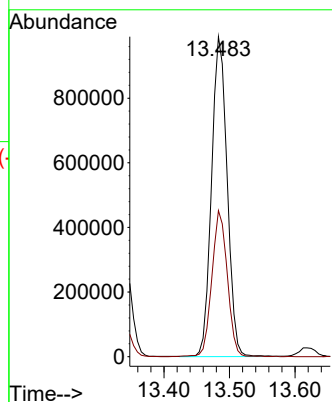
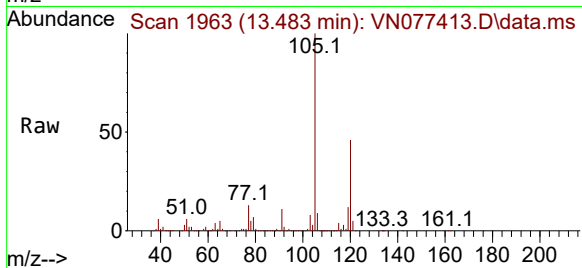
SPA-2WC-23-04

Tgt Ion:105 Resp: 1636004

Ion Ratio Lower Upper

105 100

120 45.2 22.5 67.5



#86

p-Isopropyltoluene

Concen: 3.063 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VN077413.D

Acq: 20 Apr 2023 20:24

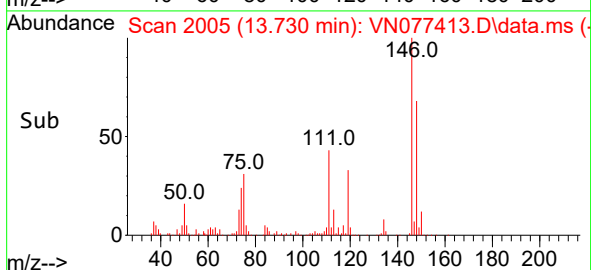
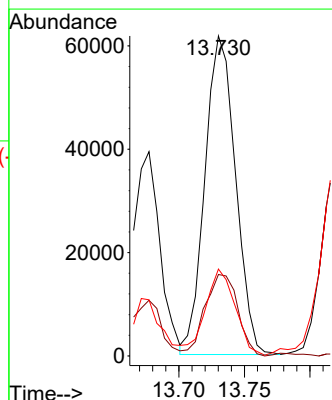
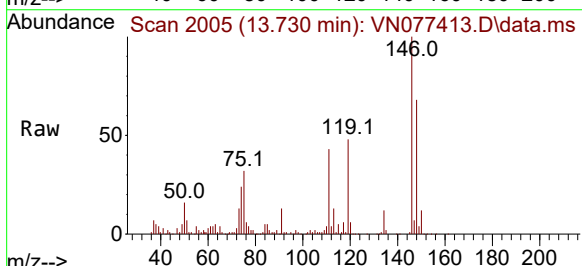
Tgt Ion:119 Resp: 100331

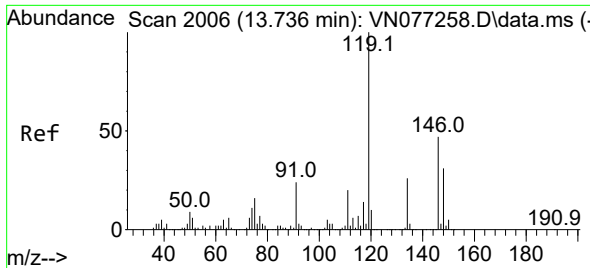
Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

91 26.3 12.3 36.8

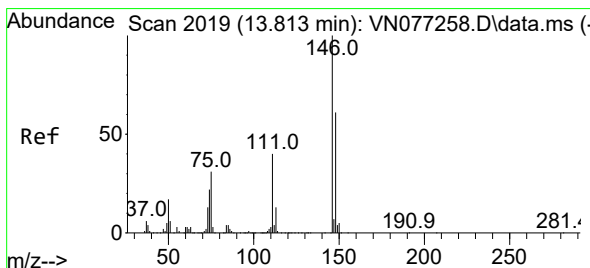
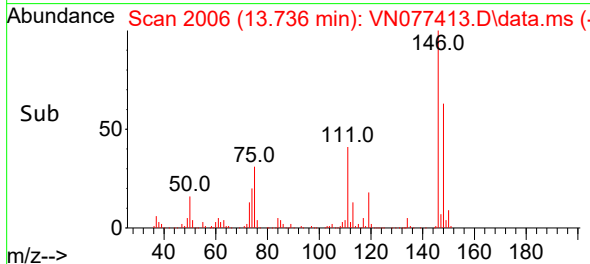
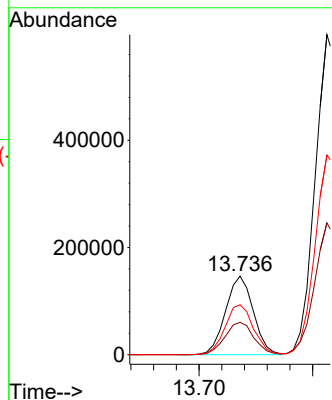
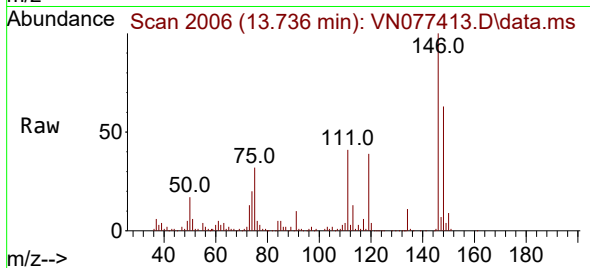




#87
1,3-Dichlorobenzene
Concen: 15.648 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

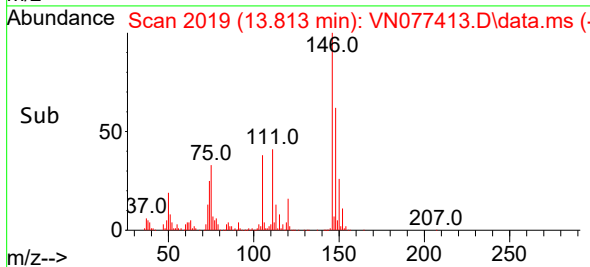
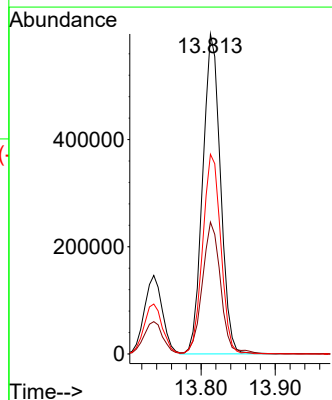
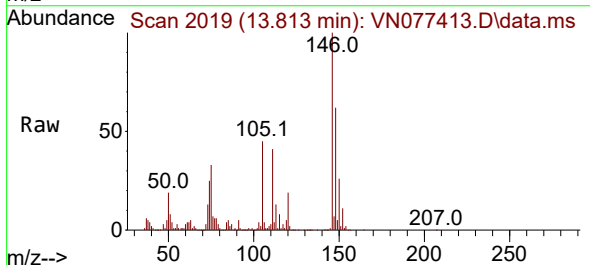
Instrument :
MSVOA_N
ClientSampleId :
SPA-2WC-23-04

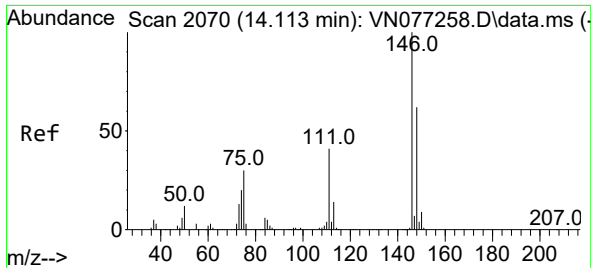
Tgt Ion:146 Resp: 247645
Ion Ratio Lower Upper
146 100
111 42.9 21.8 65.4
148 65.6 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 63.574 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion:146 Resp: 992222
Ion Ratio Lower Upper
146 100
111 42.4 20.4 61.2
148 63.7 31.6 95.0

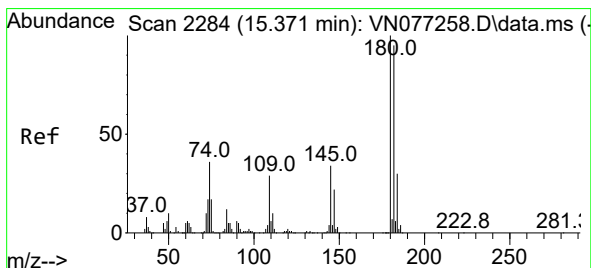
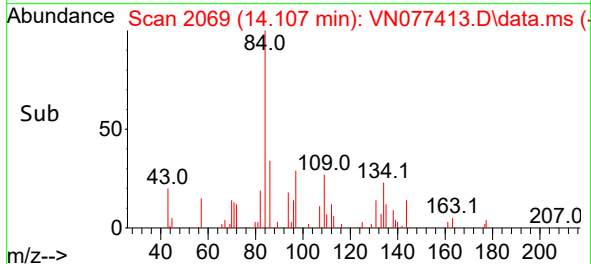
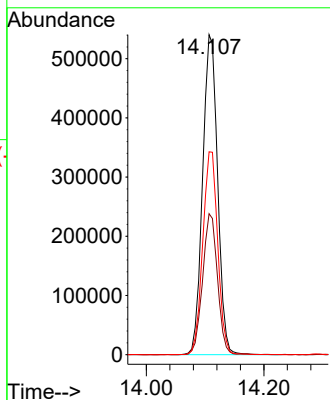
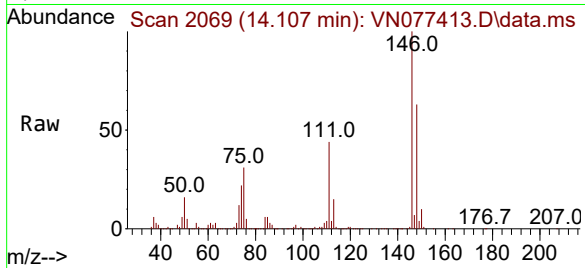




#91
1,2-Dichlorobenzene
Concen: 60.495 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

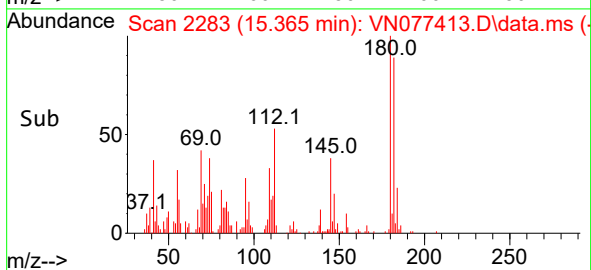
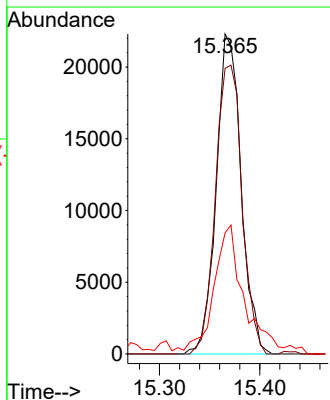
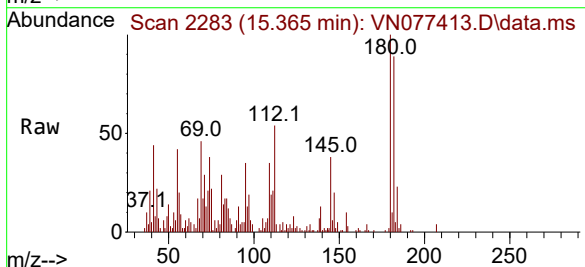
Instrument :
MSVOA_N
ClientSampleId :
SPA-2WC-23-04

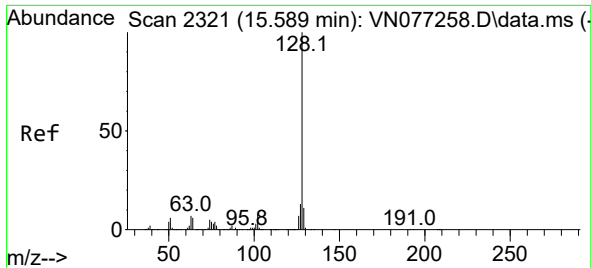
Tgt Ion:146 Resp: 957790
Ion Ratio Lower Upper
146 100
111 43.5 21.9 65.5
148 63.4 31.9 95.5



#93
1,2,4-Trichlorobenzene
Concen: 6.723 ug/l
RT: 15.365 min Scan# 2283
Delta R.T. -0.006 min
Lab File: VN077413.D
Acq: 20 Apr 2023 20:24

Tgt Ion:180 Resp: 38427
Ion Ratio Lower Upper
180 100
182 96.4 46.7 140.0
145 45.0 16.6 49.8





#95

Naphthalene

Concen: 23.906 ug/l

RT: 15.589 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077413.D

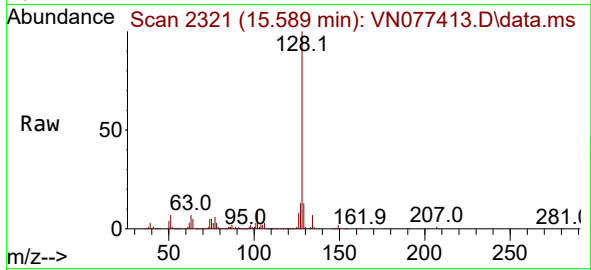
Acq: 20 Apr 2023 20:24

Instrument :

MSVOA_N

ClientSampleId :

SPA-2WC-23-04



Tgt Ion:128 Resp: 513260

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.8 8.9 13.3

