

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035388.D
 Acq On : 28 Apr 2023 14:10
 Operator : JC/MD
 Sample : 02386-06
 Misc : 3.97g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

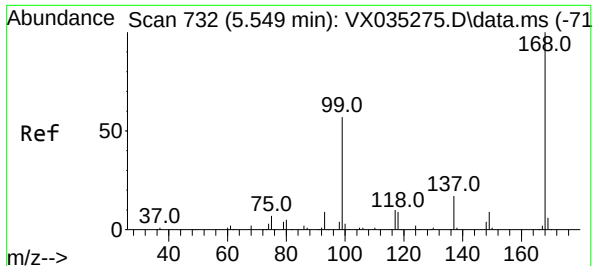
Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-2WC-23-04

Quant Time: Apr 29 00:36:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	241030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	398362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	341091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.030	152	159475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	143721	49.425	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.840%		
35) Dibromofluoromethane	5.385	113	109433	44.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.520%		
50) Toluene-d8	8.647	98	457969	49.653	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.300%		
62) 4-Bromofluorobenzene	11.085	95	173901	50.120	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.240%		
Target Compounds					Qvalue	
39) Methylcyclohexane	7.373	83	27615	5.942	ug/l	93
40) Benzene	6.038	78	17989	1.643	ug/l	99
52) Toluene	8.720	92	10507	1.514	ug/l	99
65) Chlorobenzene	10.079	112	44517	6.032	ug/l	95
67) Ethyl Benzene	10.195	91	101804	7.966	ug/l	99
68) m/p-Xylenes	10.299	106	60227	12.299	ug/l	98
69) o-Xylene	10.640	106	21421	4.461	ug/l	99
73) Isopropylbenzene	10.963	105	23214	1.991	ug/l	97
78) n-propylbenzene	11.305	91	47172	3.523	ug/l	99
79) 2-Chlorotoluene	11.378	91	14938	1.786	ug/l	74
83) tert-Butylbenzene	11.719	119	27956	2.835	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	145345	14.716	ug/l	99
85) sec-Butylbenzene	11.890	105	37832	3.127	ug/l #	18
86) p-Isopropyltoluene	12.012	119	12713	1.236	ug/l	89
87) 1,3-Dichlorobenzene	11.975	146	101760	18.478	ug/l	91
88) 1,4-Dichlorobenzene	12.049	146	203203	35.193	ug/l	96
89) n-Butylbenzene	12.335	91	52313	6.023	ug/l #	73
91) 1,2-Dichlorobenzene	12.341	146	119417	21.681	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	75123	21.699	ug/l	94
94) Hexachlorobutadiene	13.725	225	3008	1.980	ug/l	99
95) Naphthalene	13.780	128	40790	3.827	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.963	180	16257	4.665	ug/l #	80

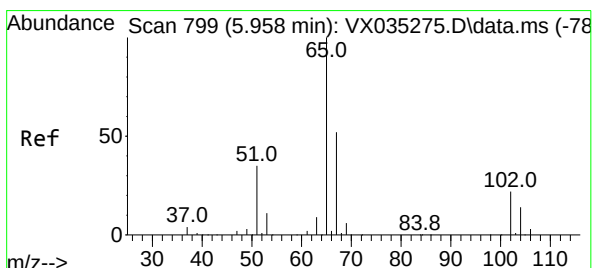
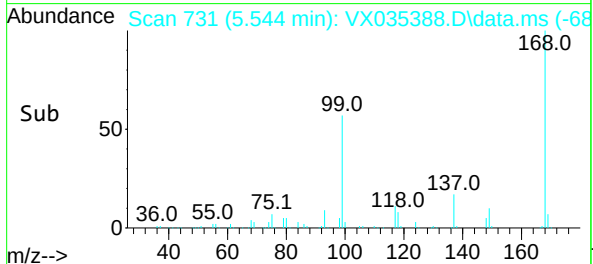
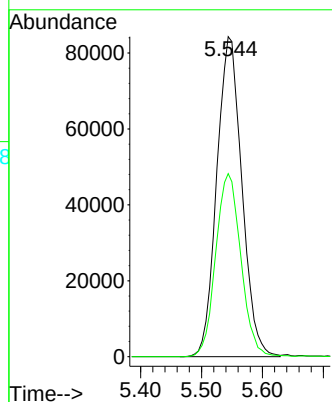
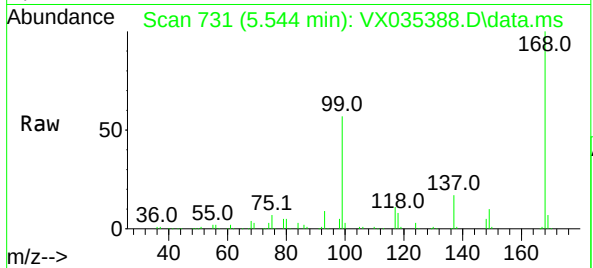
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

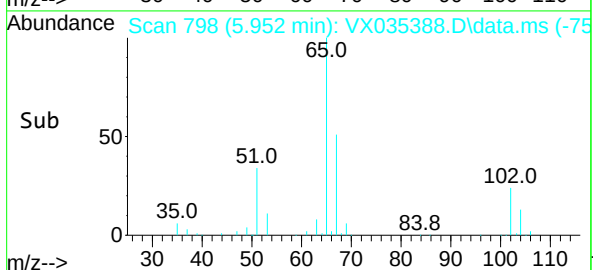
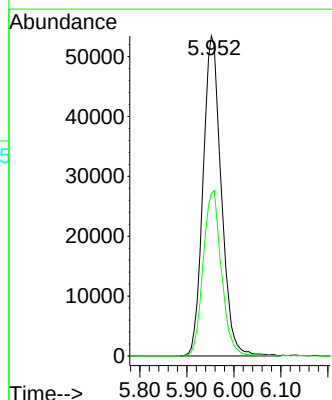
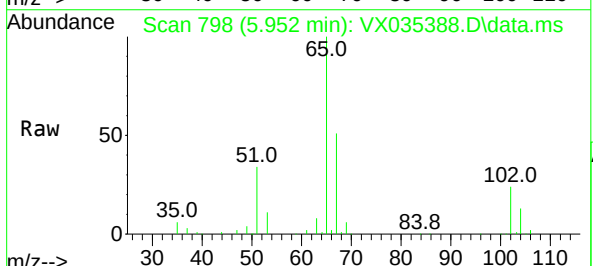
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

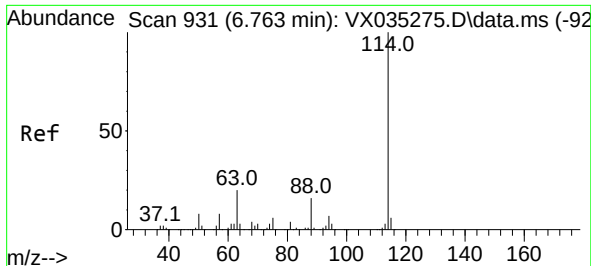
Tgt Ion:168 Resp: 241030
Ion Ratio Lower Upper
168 100
99 57.2 45.7 68.5



#33
1,2-Dichloroethane-d4
Concen: 49.425 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion: 65 Resp: 143721
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0

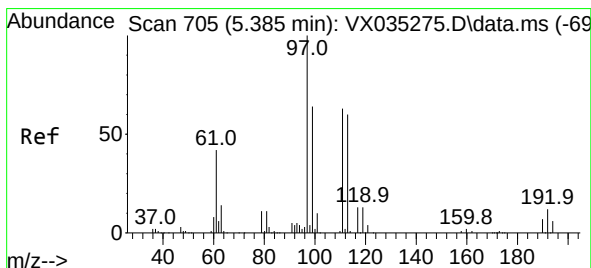
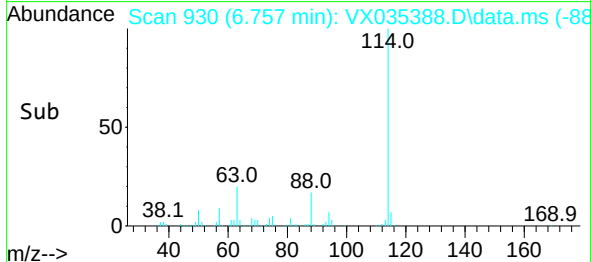
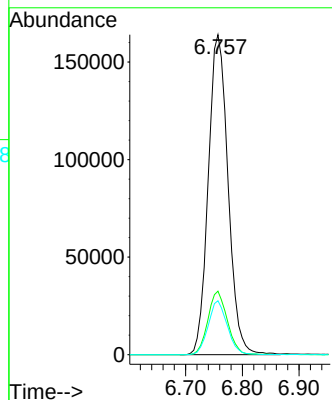
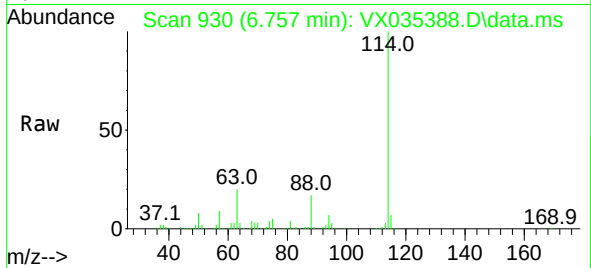




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

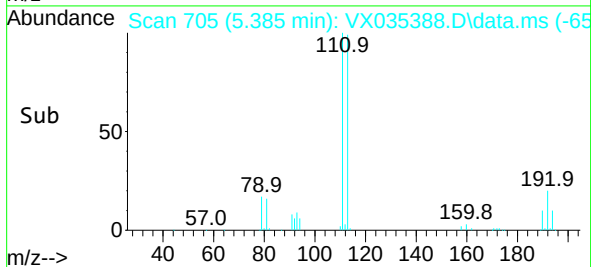
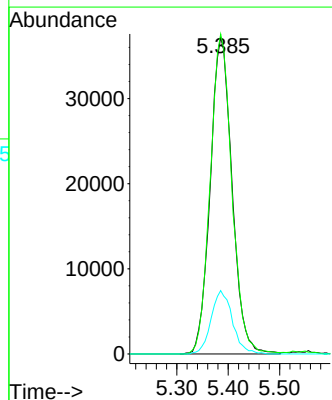
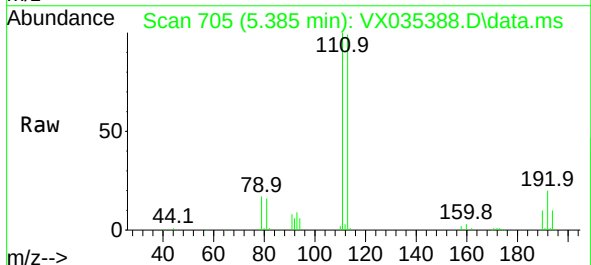
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

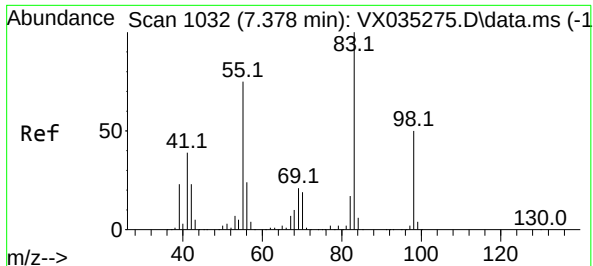
Tgt Ion:114 Resp: 398362
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.2
88 16.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 44.757 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion:113 Resp: 109433
Ion Ratio Lower Upper
113 100
111 100.5 83.7 125.5
192 19.6 15.4 23.2





#39

Methylcyclohexane

Concen: 5.942 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. -0.005 min

Lab File: VX035388.D

Acq: 28 Apr 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

SPA-2WC-23-04

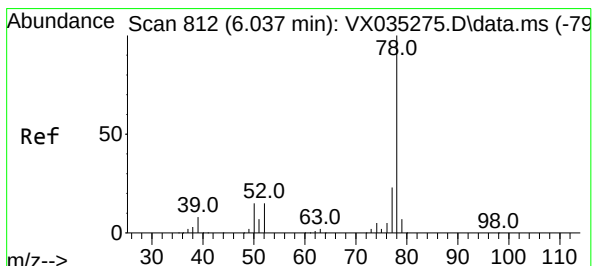
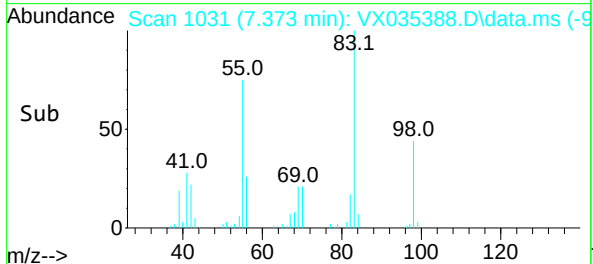
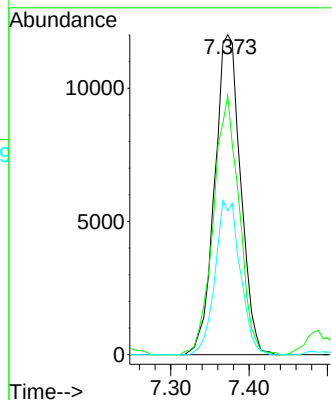
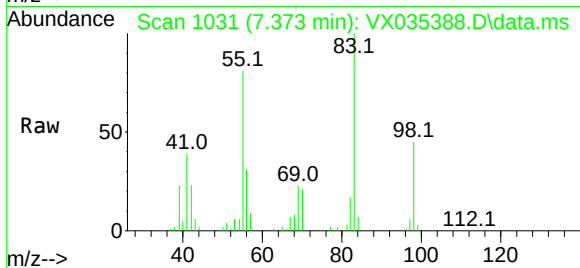
Tgt Ion: 83 Resp: 27615

Ion Ratio Lower Upper

83 100

55 80.9 60.5 90.7

98 44.9 40.4 60.6



#40

Benzene

Concen: 1.643 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.001 min

Lab File: VX035388.D

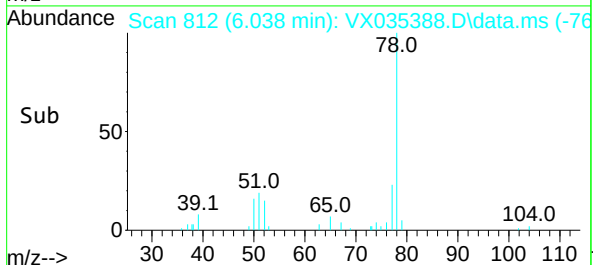
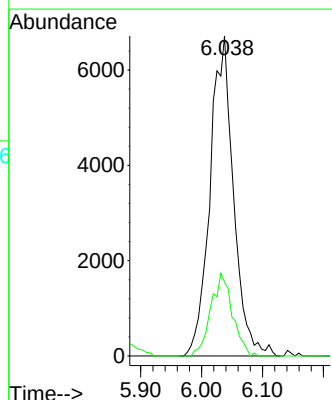
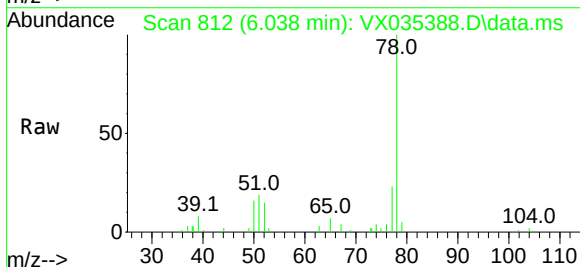
Acq: 28 Apr 2023 14:10

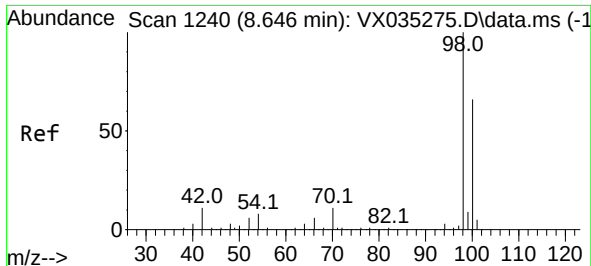
Tgt Ion: 78 Resp: 17989

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4

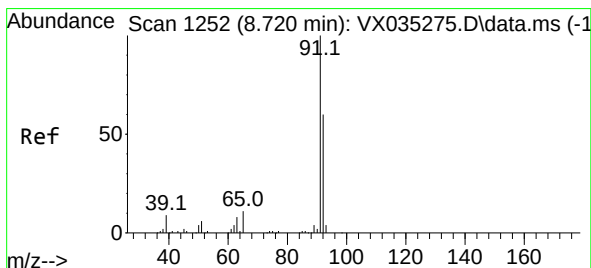
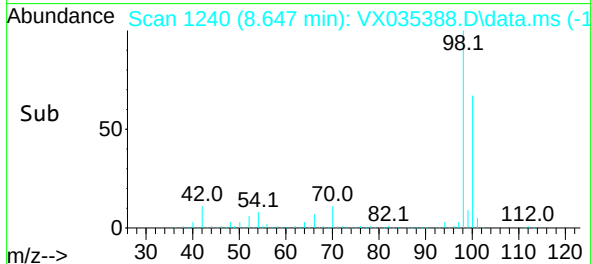
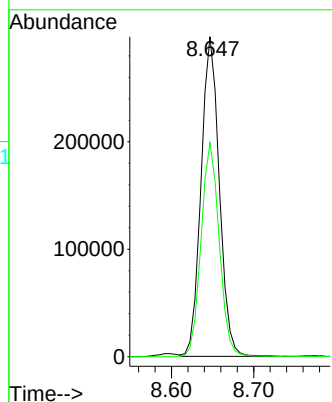
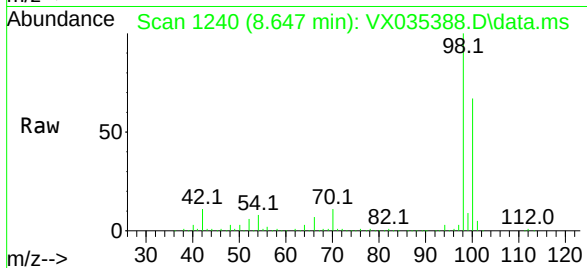




#50
Toluene-d8
Concen: 49.653 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

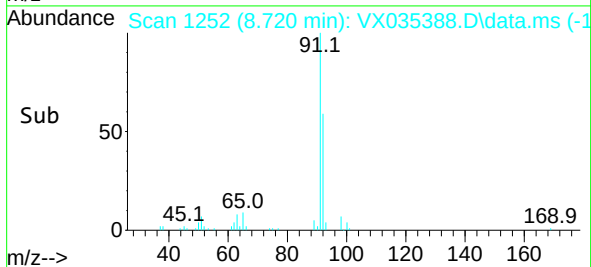
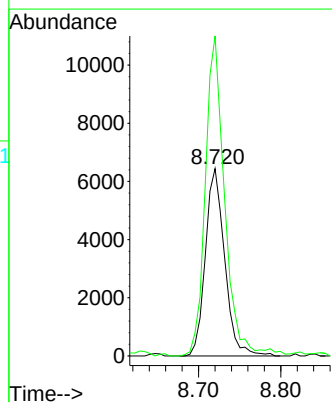
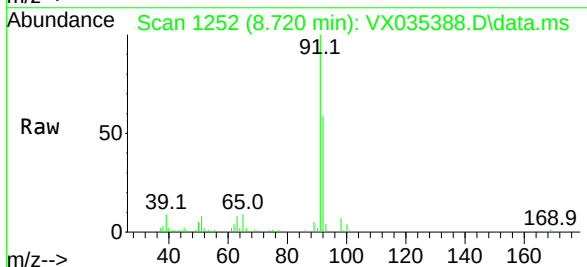
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

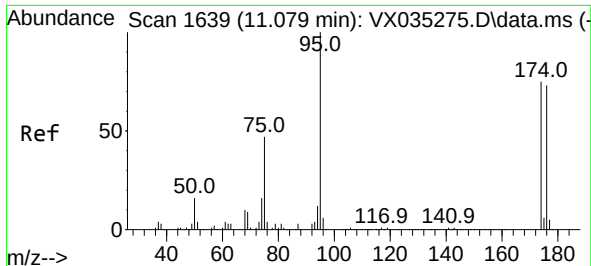
Tgt Ion: 98 Resp: 457969
Ion Ratio Lower Upper
98 100
100 66.8 52.5 78.7



#52
Toluene
Concen: 1.514 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion: 92 Resp: 10507
Ion Ratio Lower Upper
92 100
91 169.4 136.8 205.2

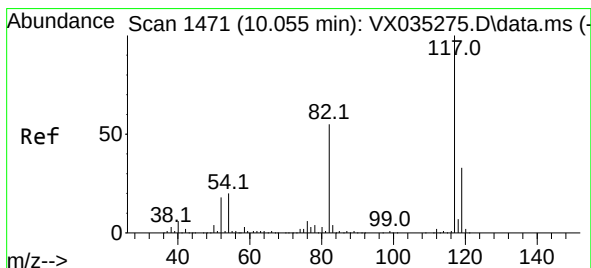
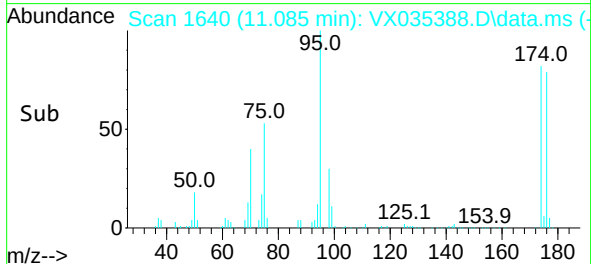
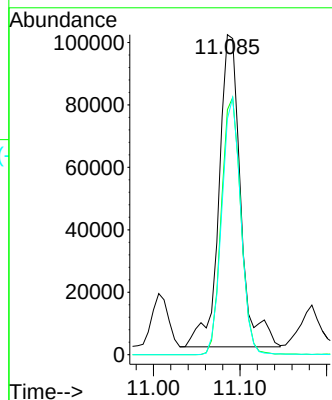
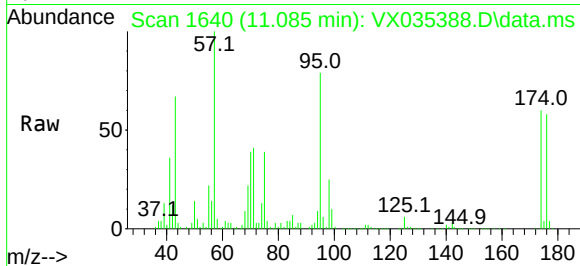




#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

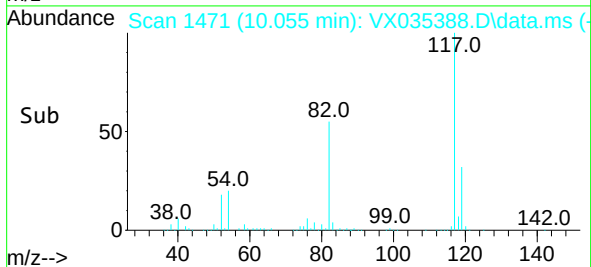
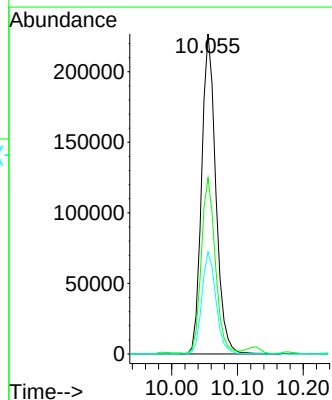
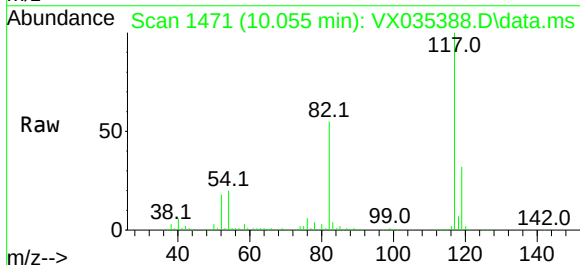
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

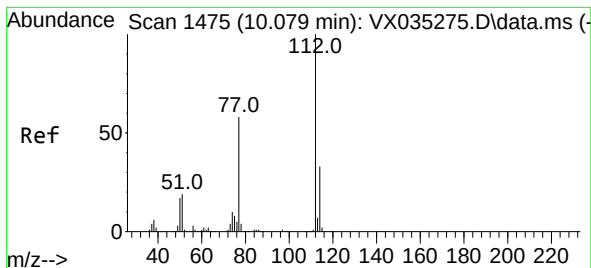
Tgt Ion: 95 Resp: 173901
Ion Ratio Lower Upper
95 100
174 73.8 0.0 147.4
176 72.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion: 117 Resp: 341091
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 31.9 26.0 39.0





#65

Chlorobenzene

Concen: 6.032 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX035388.D

Acq: 28 Apr 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

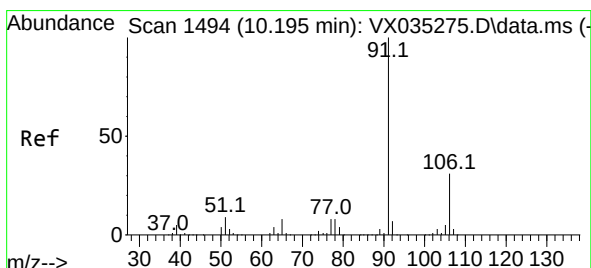
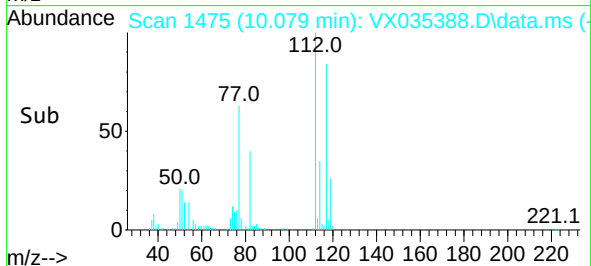
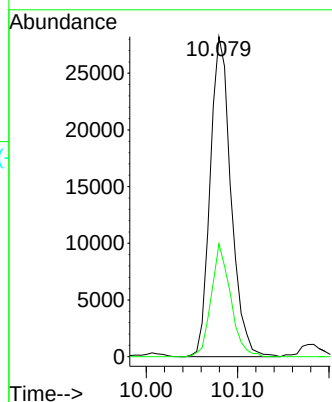
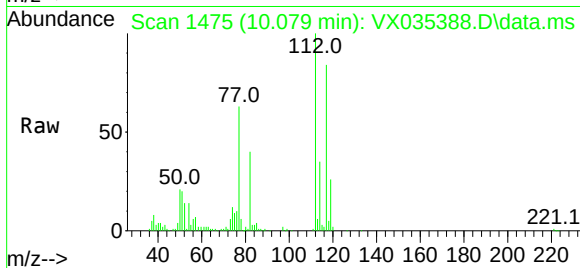
SPA-2WC-23-04

Tgt Ion:112 Resp: 44517

Ion Ratio Lower Upper

112 100

114 35.3 26.2 39.2



#67

Ethyl Benzene

Concen: 7.966 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX035388.D

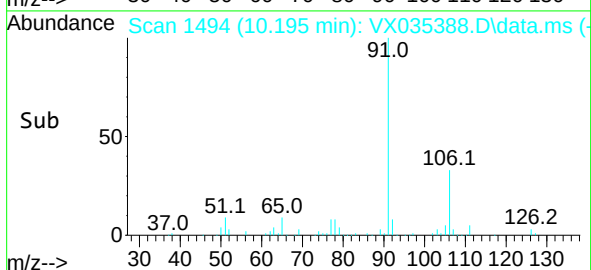
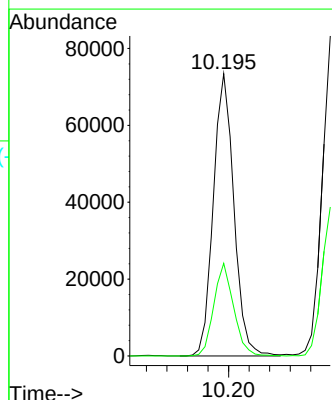
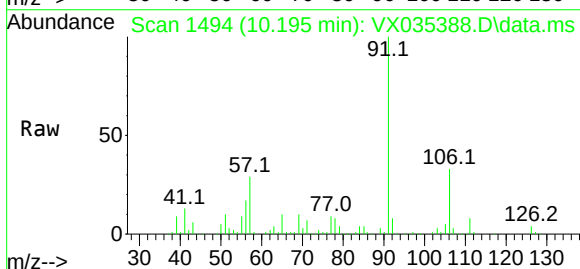
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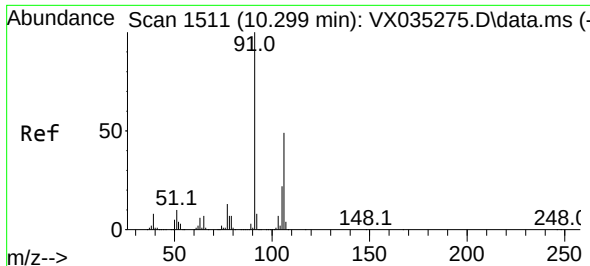
Tgt Ion: 91 Resp: 101804

Ion Ratio Lower Upper

91 100

106 32.8 25.6 38.4

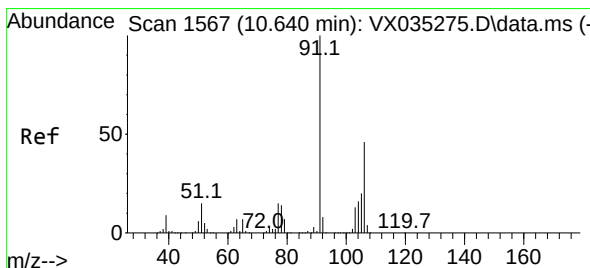
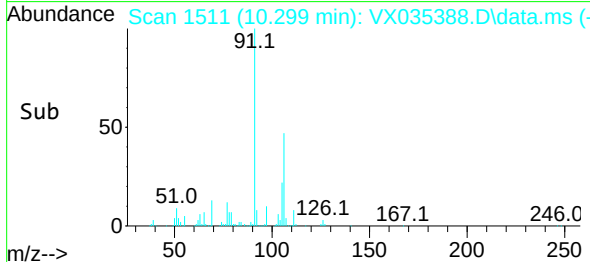
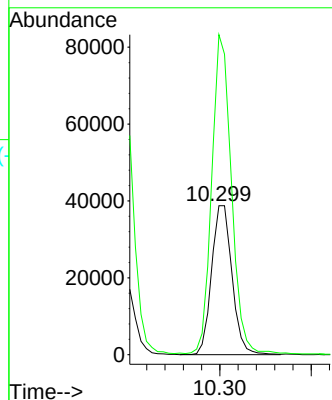
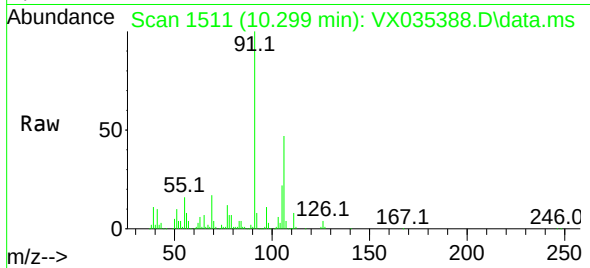




#68
m/p-Xylenes
Concen: 12.299 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

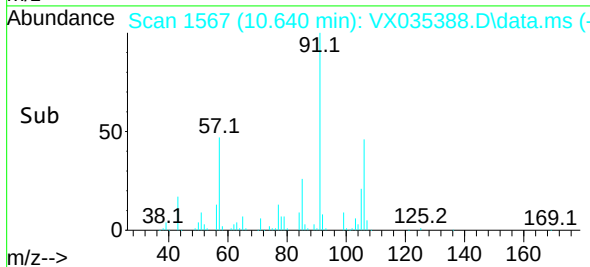
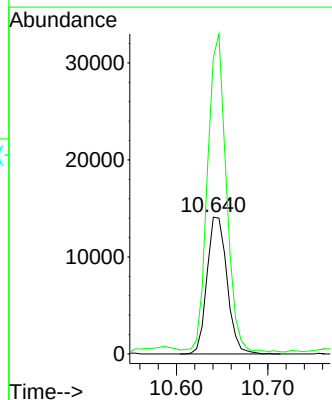
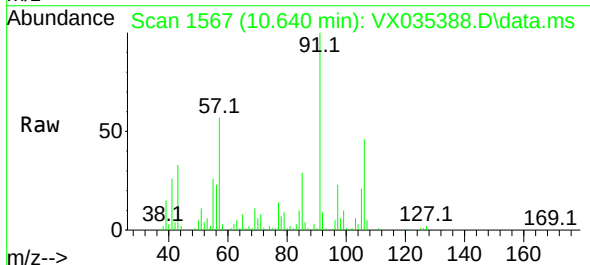
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

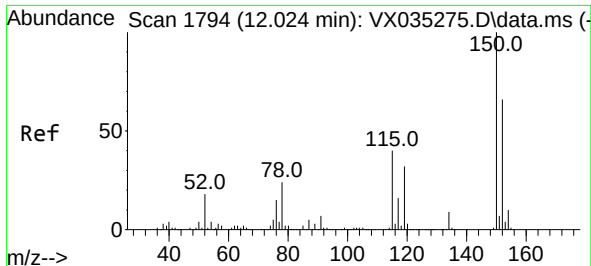
Tgt Ion:106 Resp: 60227
Ion Ratio Lower Upper
106 100
91 207.8 164.0 246.0



#69
o-Xylene
Concen: 4.461 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion:106 Resp: 21421
Ion Ratio Lower Upper
106 100
91 218.9 108.5 325.3

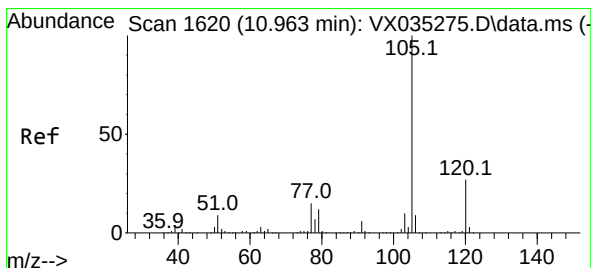
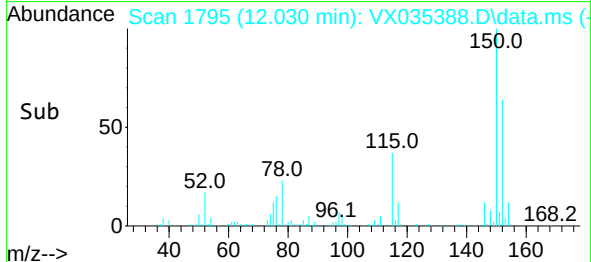
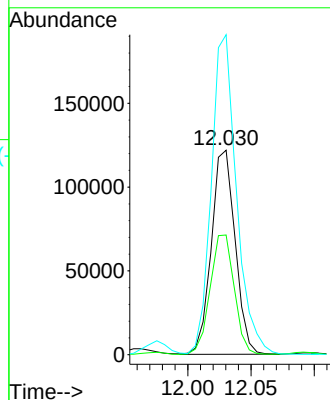
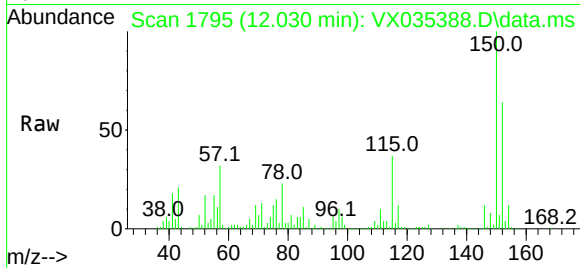




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.030 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

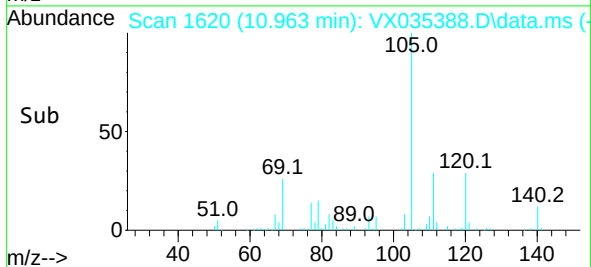
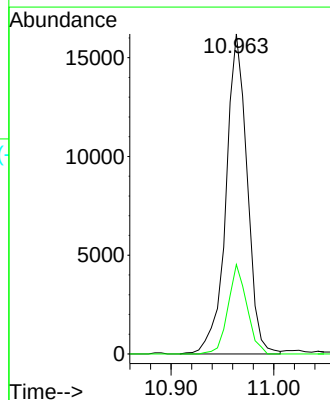
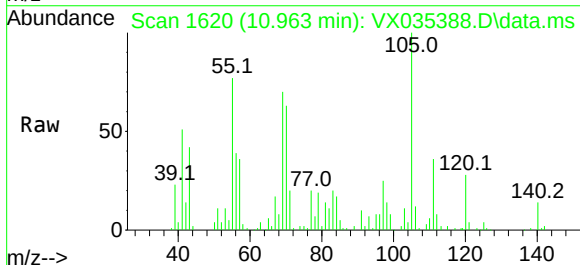
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

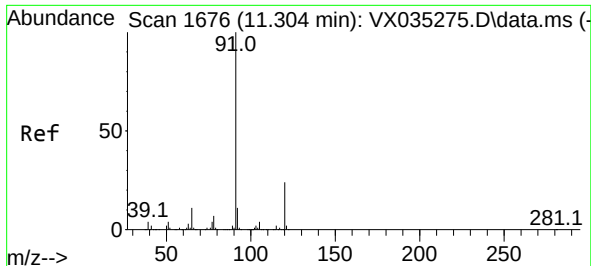
Tgt Ion:152 Resp: 159475
Ion Ratio Lower Upper
152 100
115 59.0 45.0 135.0
150 165.4 0.0 352.4



#73
Isopropylbenzene
Concen: 1.991 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion:105 Resp: 23214
Ion Ratio Lower Upper
105 100
120 24.8 13.3 39.9

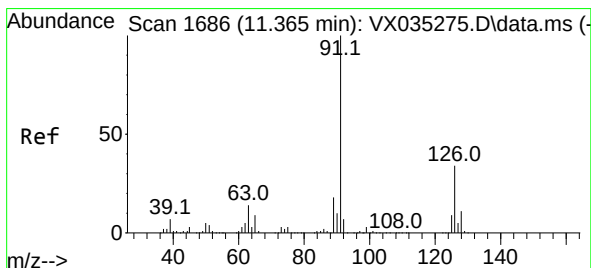
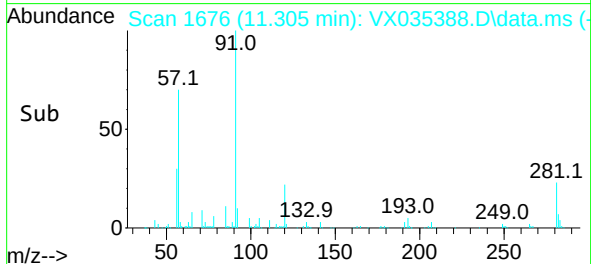
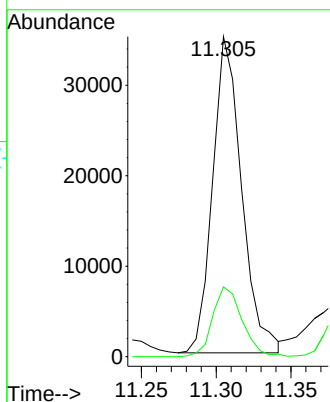
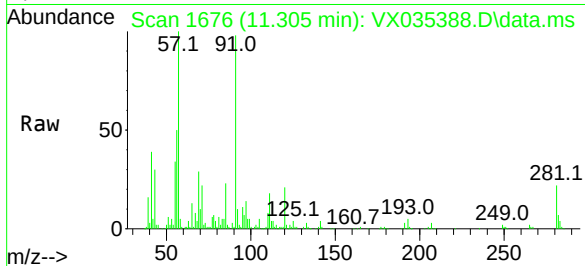




#78
n-propylbenzene
Concen: 3.523 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

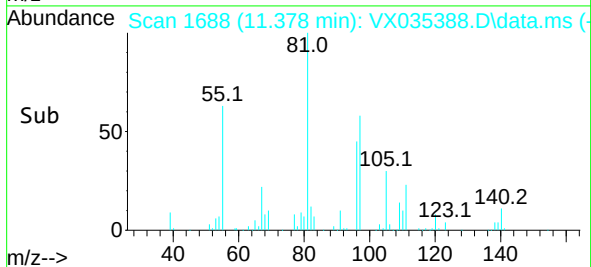
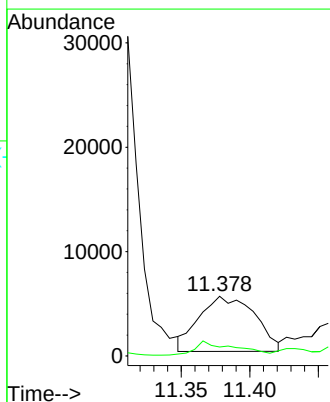
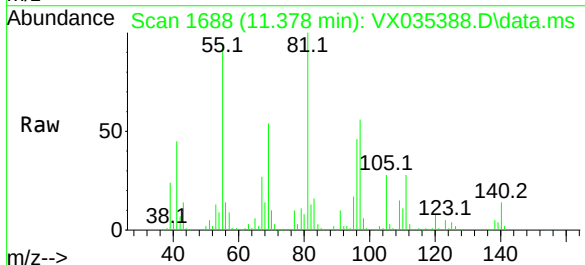
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

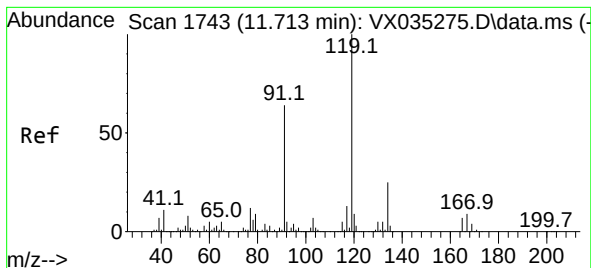
Tgt Ion: 91 Resp: 47172
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.5



#79
2-Chlorotoluene
Concen: 1.786 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.013 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion: 91 Resp: 14938
Ion Ratio Lower Upper
91 100
126 18.2 16.3 48.9





#83

tert-Butylbenzene

Concen: 2.835 ug/l

RT: 11.719 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035388.D

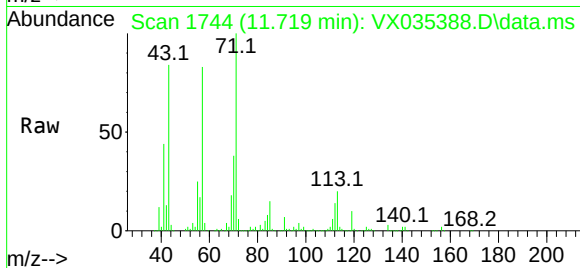
Acq: 28 Apr 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

SPA-2WC-23-04



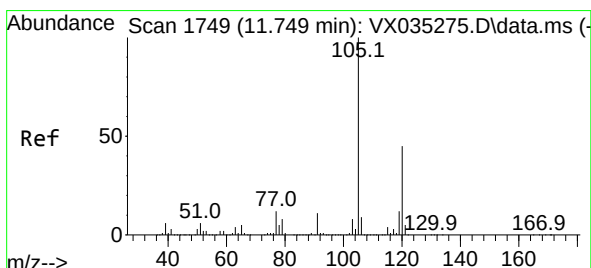
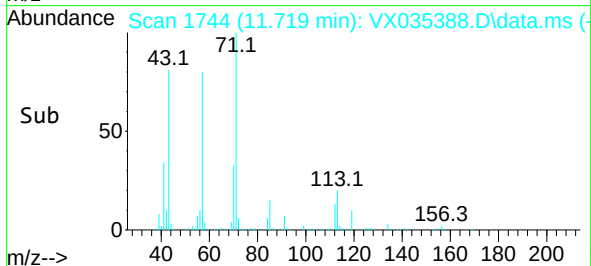
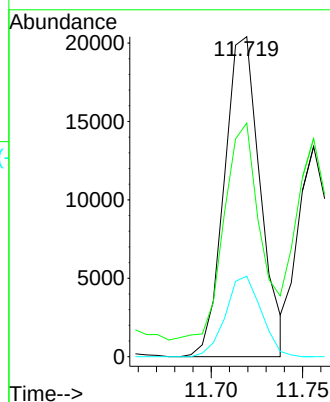
Tgt Ion:119 Resp: 27956

Ion	Ratio	Lower	Upper
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119	100		
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91	66.6	30.6	92.0
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134	24.9	11.8	35.4
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#84

1,2,4-Trimethylbenzene

Concen: 14.716 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.007 min

Lab File: VX035388.D

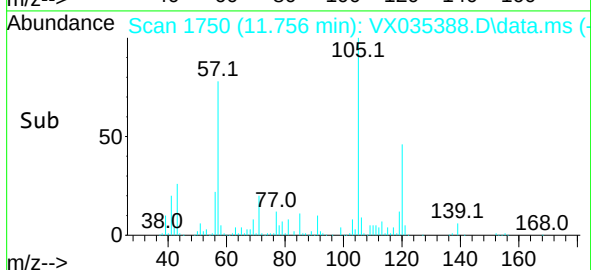
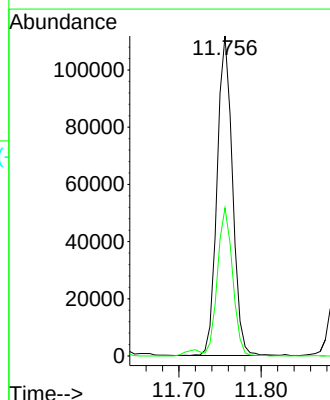
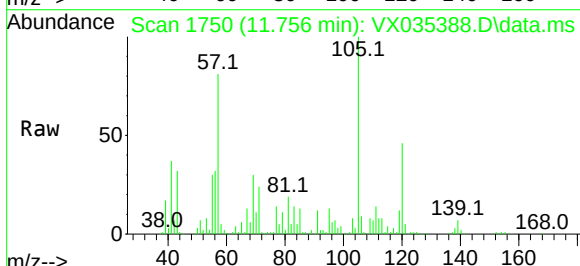
Acq: 28 Apr 2023 14:10

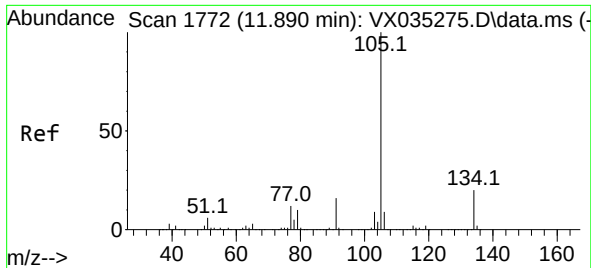
Tgt Ion:105 Resp: 145345

Ion	Ratio	Lower	Upper
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105	100		
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120	45.5	22.4	67.0
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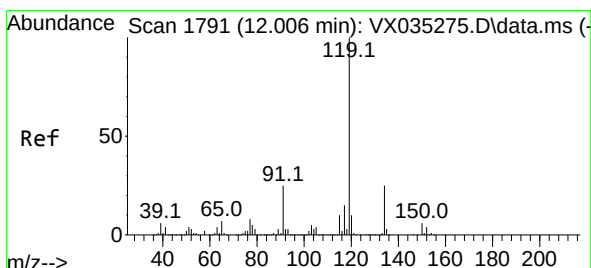
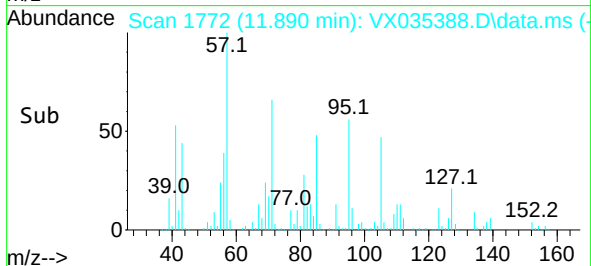
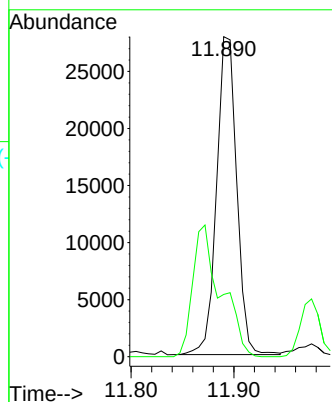
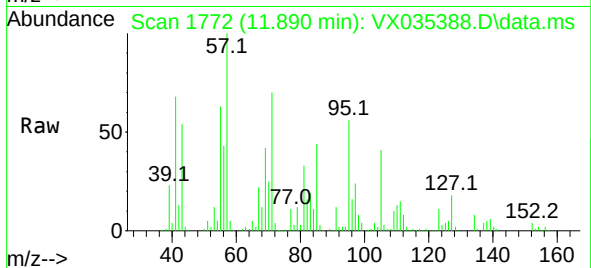




#85
 sec-Butylbenzene
 Concen: 3.127 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX035388.D
 Acq: 28 Apr 2023 14:10

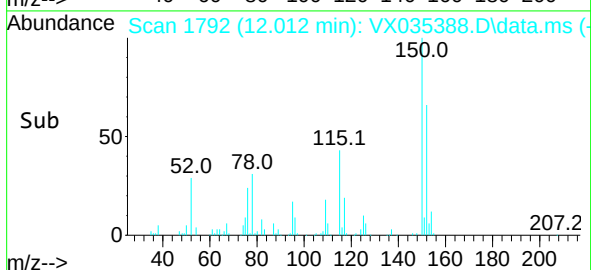
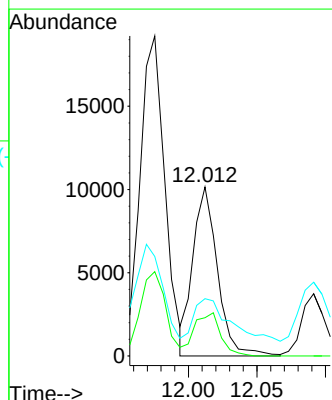
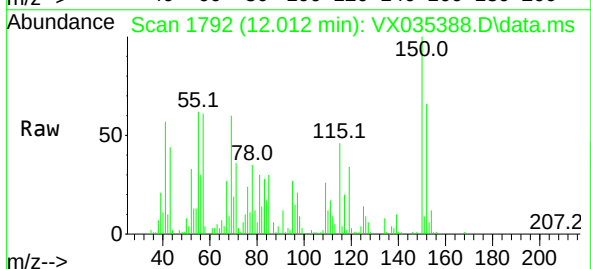
Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-2WC-23-04

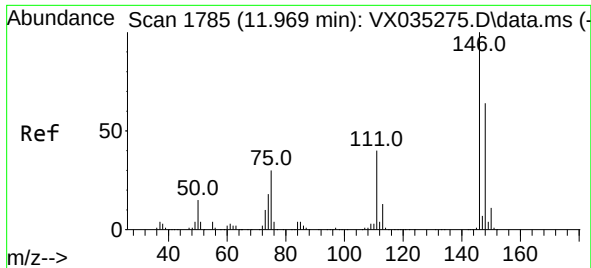
Tgt Ion:105 Resp: 37832
 Ion Ratio Lower Upper
 105 100
 134 58.1 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 1.236 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX035388.D
 Acq: 28 Apr 2023 14:10

Tgt Ion:119 Resp: 12713
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.2 39.5
 91 35.9 12.9 38.7

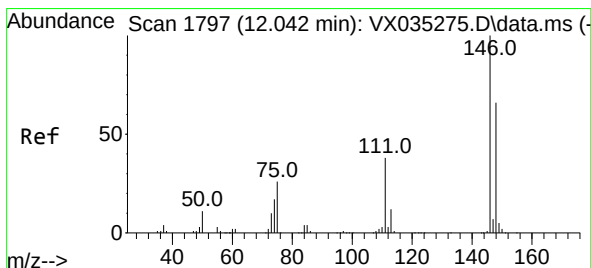
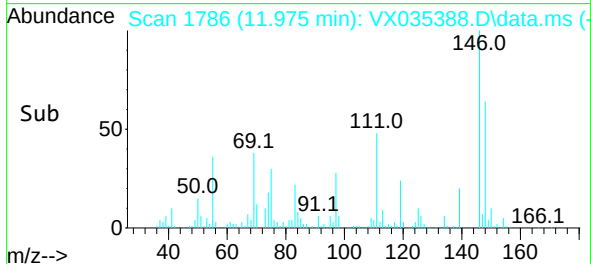
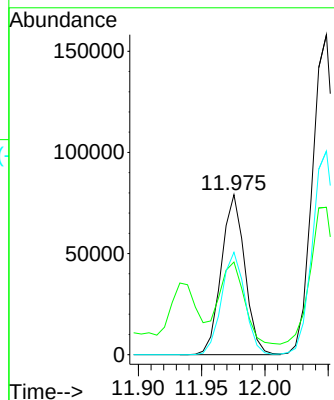
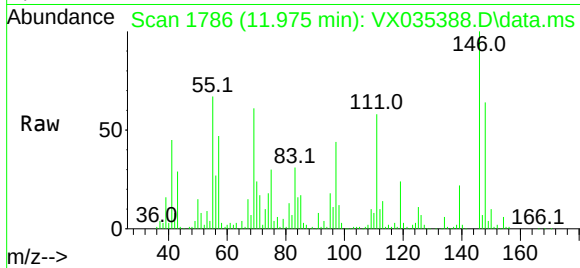




#87
 1,3-Dichlorobenzene
 Concen: 18.478 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX035388.D
 Acq: 28 Apr 2023 14:10

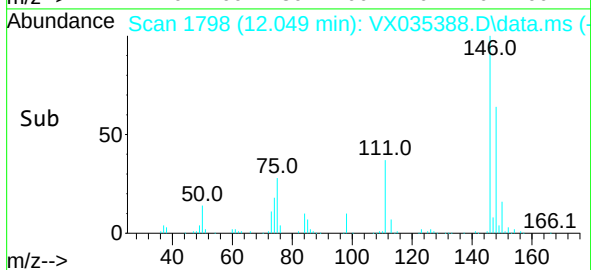
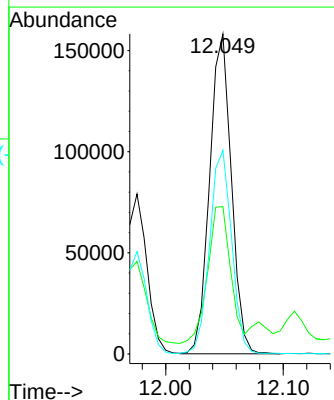
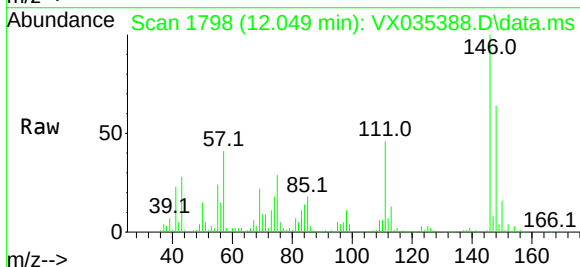
Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-2WC-23-04

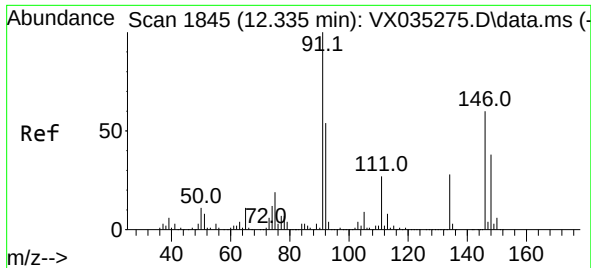
Tgt Ion:146 Resp: 101760
 Ion Ratio Lower Upper
 146 100
 111 56.2 20.9 62.8
 148 63.8 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 35.193 ug/l
 RT: 12.049 min Scan# 1798
 Delta R.T. 0.007 min
 Lab File: VX035388.D
 Acq: 28 Apr 2023 14:10

Tgt Ion:146 Resp: 203203
 Ion Ratio Lower Upper
 146 100
 111 46.4 20.6 61.9
 148 64.9 31.8 95.4

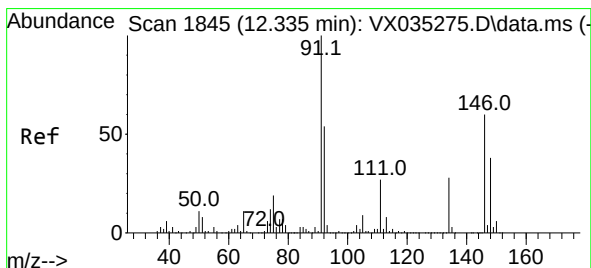
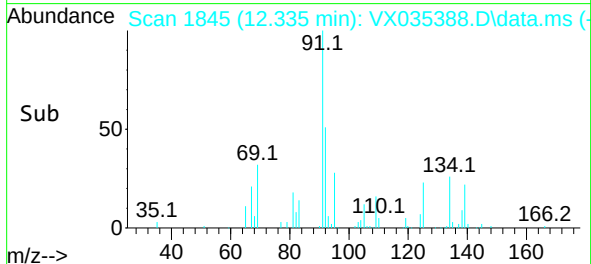
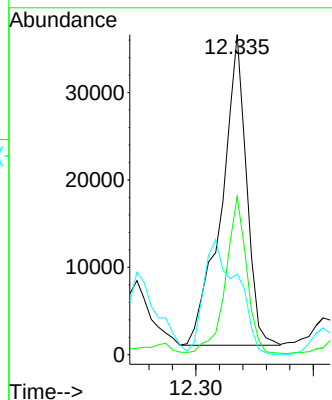
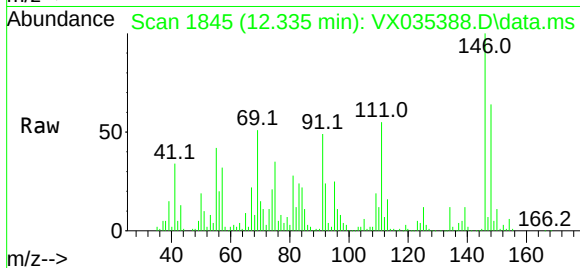




#89
n-Butylbenzene
Concen: 6.023 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

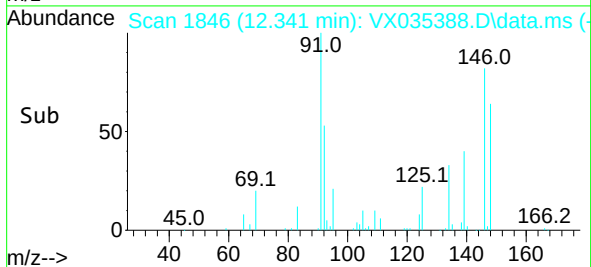
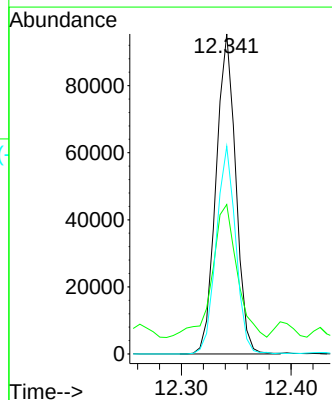
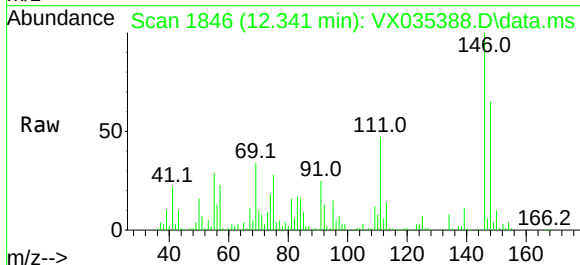
Instrument :
MSVOA_X
ClientSampleId :
SPA-2WC-23-04

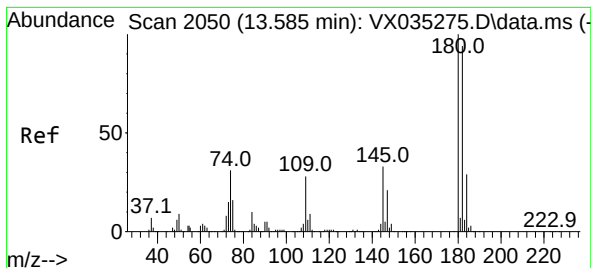
Tgt Ion: 91 Resp: 52313
Ion Ratio Lower Upper
91 100
92 42.7 27.7 83.0
134 49.9 13.0 38.9#



#91
1,2-Dichlorobenzene
Concen: 21.681 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX035388.D
Acq: 28 Apr 2023 14:10

Tgt Ion: 146 Resp: 119417
Ion Ratio Lower Upper
146 100
111 52.2 22.0 66.0
148 64.1 32.0 96.0





#93

1,2,4-Trichlorobenzene

Concen: 21.699 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX035388.D

Acq: 28 Apr 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

SPA-2WC-23-04

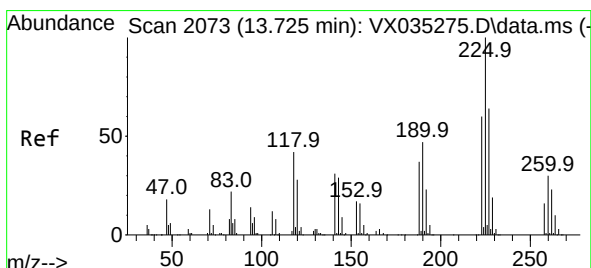
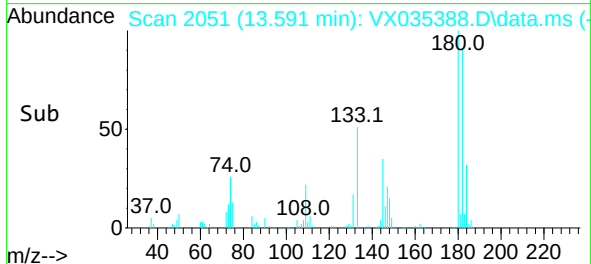
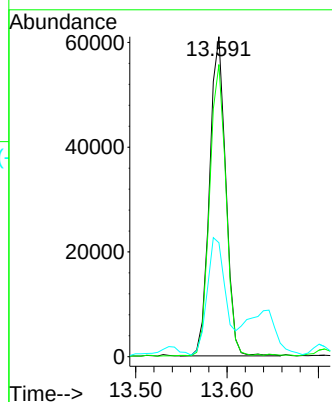
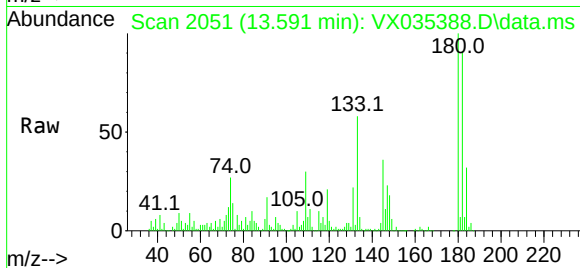
Tgt Ion:180 Resp: 75123

Ion Ratio Lower Upper

180 100

182 91.8 47.0 141.0

145 42.4 15.9 47.7



#94

Hexachlorobutadiene

Concen: 1.980 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035388.D

Acq: 28 Apr 2023 14:10

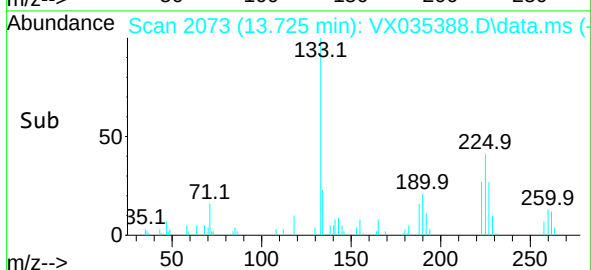
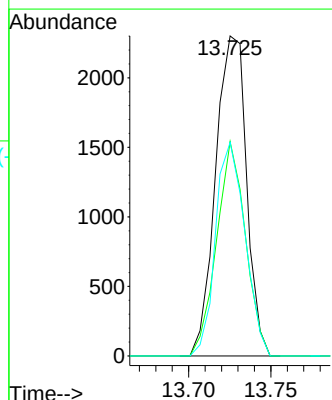
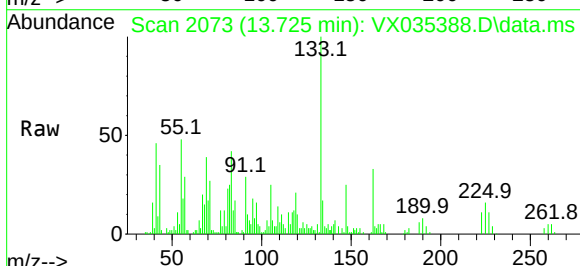
Tgt Ion:225 Resp: 3008

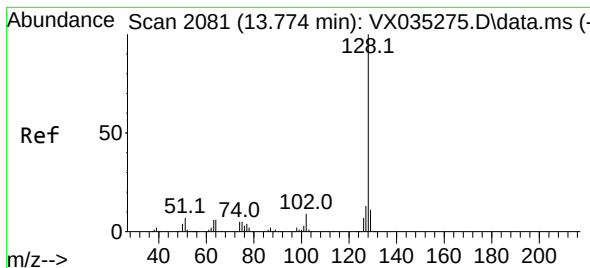
Ion Ratio Lower Upper

225 100

223 62.3 32.1 96.5

227 63.6 31.8 95.4





#95

Naphthalene

Concen: 3.827 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX035388.D

Acq: 28 Apr 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

SPA-2WC-23-04

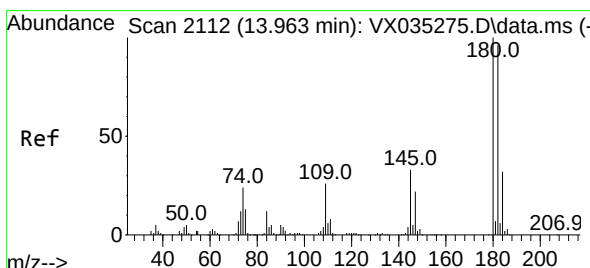
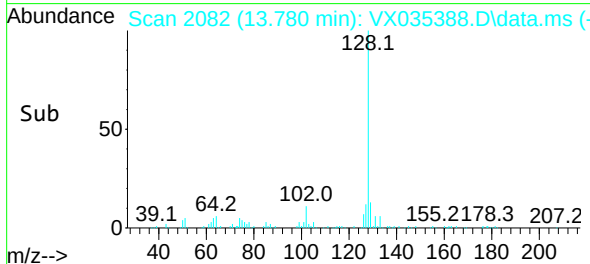
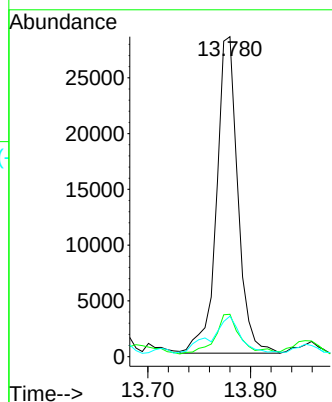
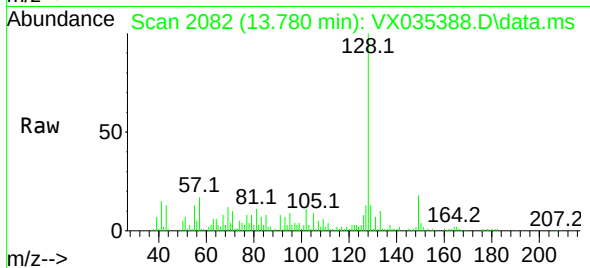
Tgt Ion:128 Resp: 40790

Ion Ratio Lower Upper

128 100

127 15.2 10.2 15.4

129 16.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 4.665 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX035388.D

Acq: 28 Apr 2023 14:10

Tgt Ion:180 Resp: 16257

Ion Ratio Lower Upper

180 100

182 91.1 48.0 144.2

145 71.2 17.7 53.1#

