

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX030003.D
 Acq On : 11 Jul 2022 17:30
 Operator : JC/MD
 Sample : N3524-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31493

Quant Time: Jul 12 02:04:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

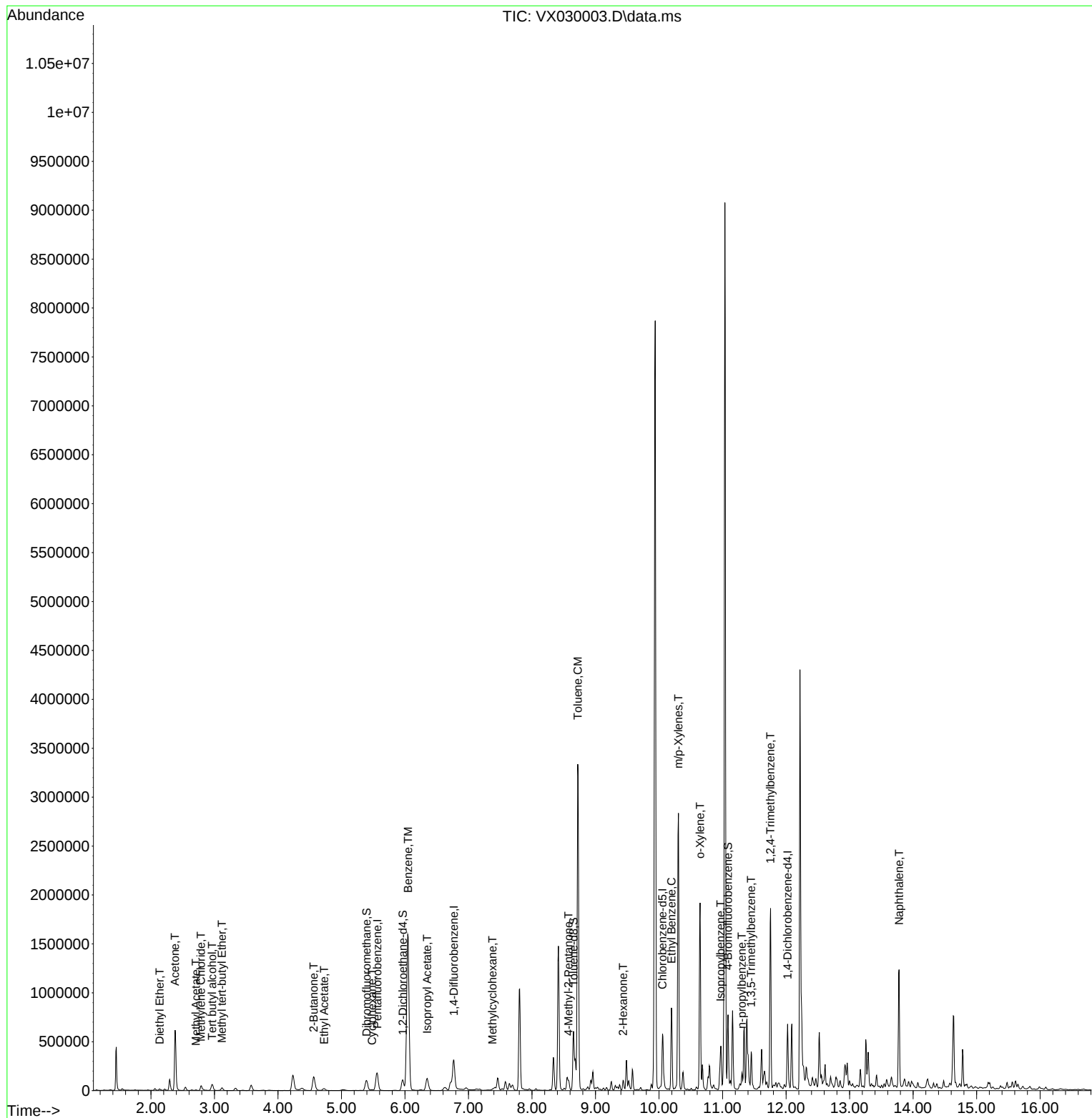
Internal Standards						
1) Pentafluorobenzene	5.562	168	185449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	318577	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98951	42.152	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.300%		
35) Dibromofluoromethane	5.397	113	93497	46.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.920%		
50) Toluene-d8	8.653	98	360382	48.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.500%		
62) 4-Bromofluorobenzene	11.085	95	126517	47.920	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.840%		
Target Compounds					Qvalue	
8) Diethyl Ether	2.136	74	4059	3.404	ug/l	85
11) Tert butyl alcohol	2.965	59	73121	119.105	ug/l	99
16) Acetone	2.380	43	623848	543.206	ug/l	99
18) Methyl Acetate	2.709	43	6620	1.870	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	28418	4.407	ug/l	100
20) Methylene Chloride	2.788	84	22363	9.220	ug/l	95
25) 2-Butanone	4.562	43	239623	120.213	ug/l	98
31) Cyclohexane	5.483	56	5316	1.624	ug/l	87
37) Ethyl Acetate	4.727	43	33816	9.337	ug/l #	95
39) Methylcyclohexane	7.379	83	5466	1.707	ug/l #	87
40) Benzene	6.050	78	2002482	233.871	ug/l	99
43) Isopropyl Acetate	6.348	43	125644	23.039	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	93025	25.868	ug/l #	79
52) Toluene	8.720	92	1290738	249.816	ug/l	99
59) 2-Hexanone	9.433	43	54417	19.499	ug/l	99
67) Ethyl Benzene	10.195	91	491428	51.398	ug/l	100
68) m/p-Xylenes	10.305	106	686459	187.197	ug/l	98
69) o-Xylene	10.646	106	424083	114.175	ug/l	100
73) Isopropylbenzene	10.969	105	42795	4.510	ug/l	98
78) n-propylbenzene	11.305	91	95249	8.511	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	166790	21.174	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	772731	97.926	ug/l	95
95) Naphthalene	13.780	128	742207	70.075	ug/l	100

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

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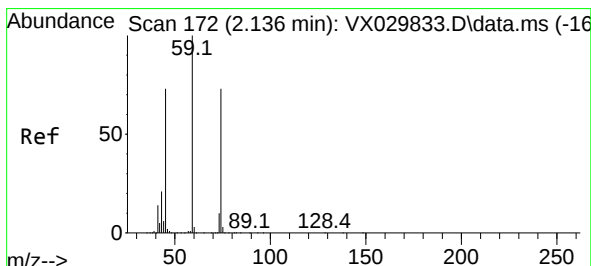
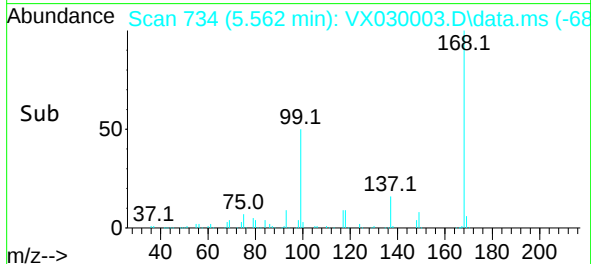
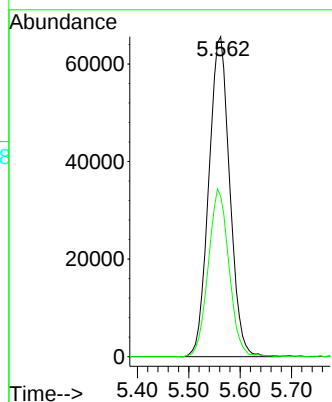
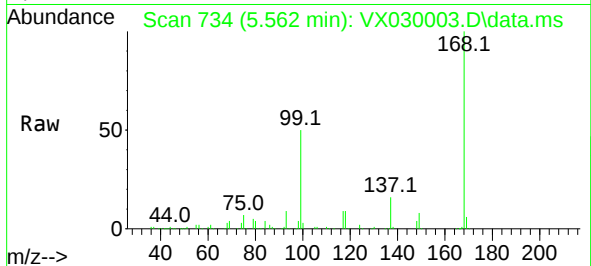




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 714
Delta R.T. 0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

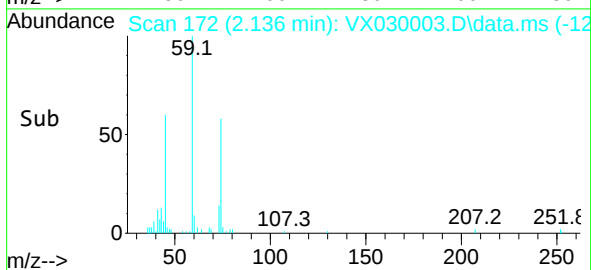
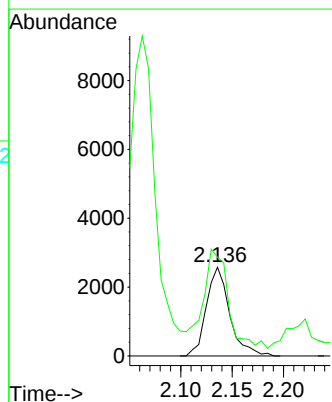
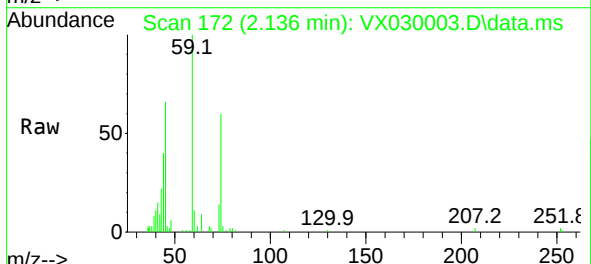
Instrument :
MSVOA_X
ClientSampleId :
31493

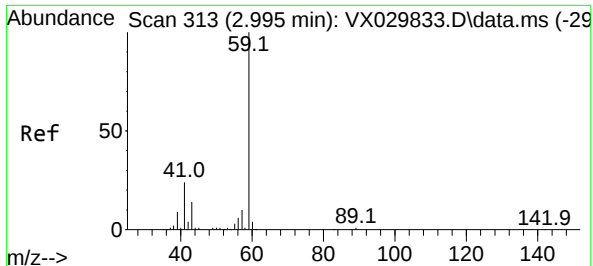
Tgt Ion:168 Resp: 185449
Ion Ratio Lower Upper
168 100
99 50.2 44.0 66.0



#8
Diethyl Ether
Concen: 3.404 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 74 Resp: 4059
Ion Ratio Lower Upper
74 100
45 118.6 51.5 154.7

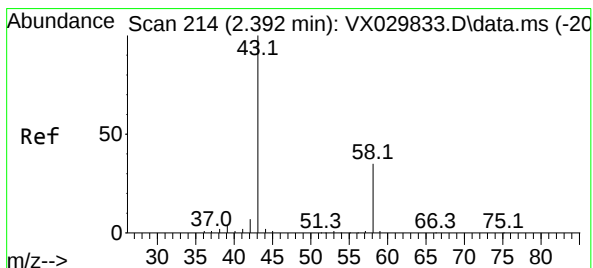
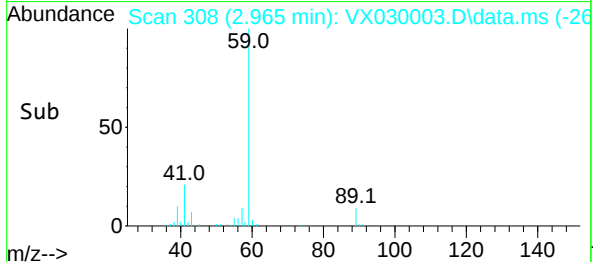
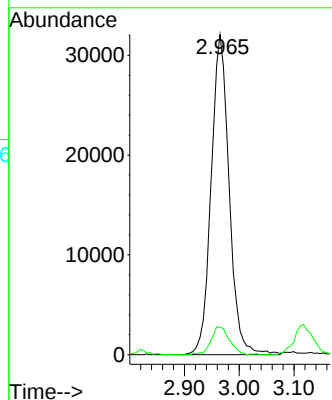
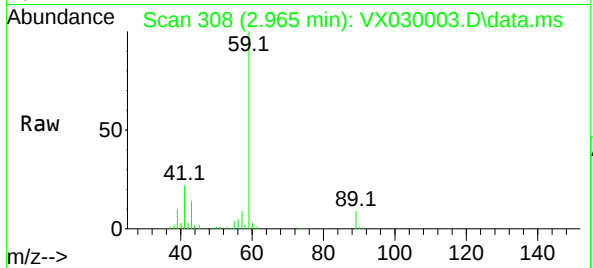




#11
Tert butyl alcohol
Concen: 119.105 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

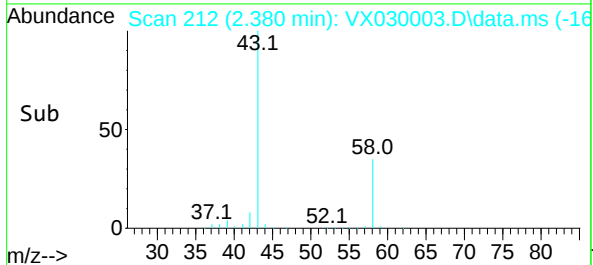
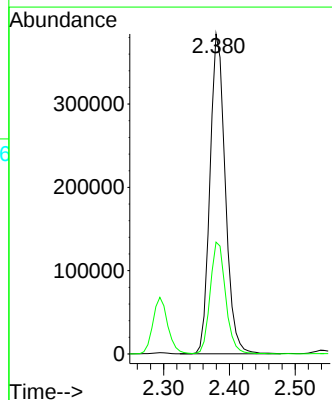
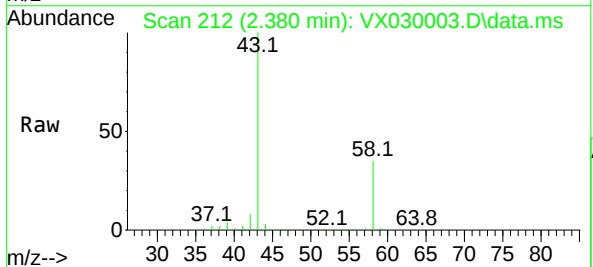
Instrument :
MSVOA_X
ClientSampleId :
31493

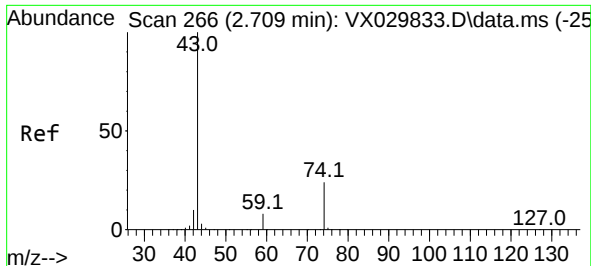
Tgt Ion: 59 Resp: 73121
Ion Ratio Lower Upper
59 100
57 8.9 7.4 11.2



#16
Acetone
Concen: 543.206 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 43 Resp: 623848
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5

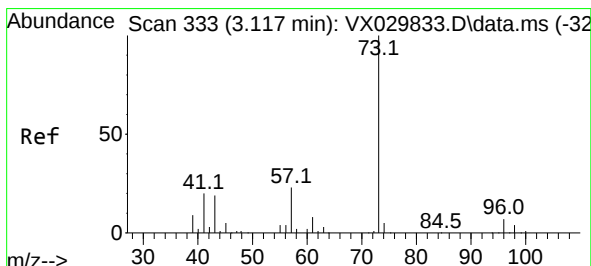
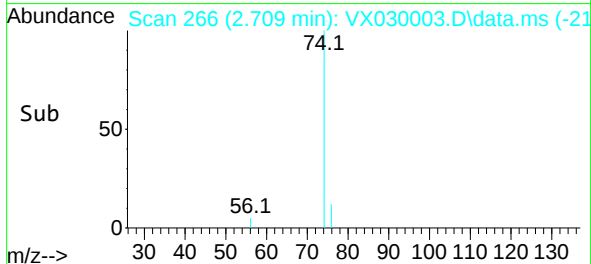
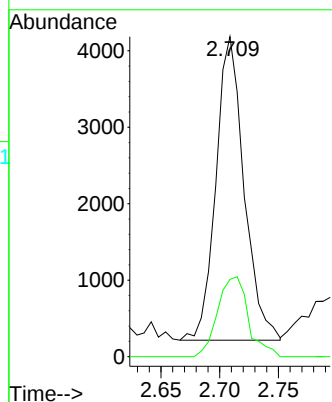
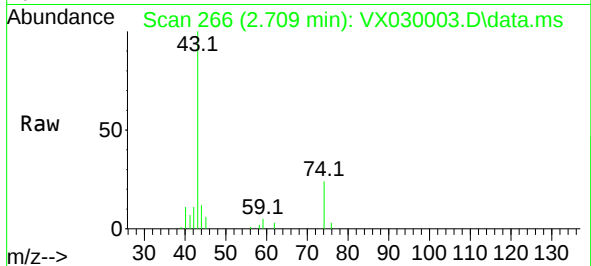




#18
Methyl Acetate
Concen: 1.870 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

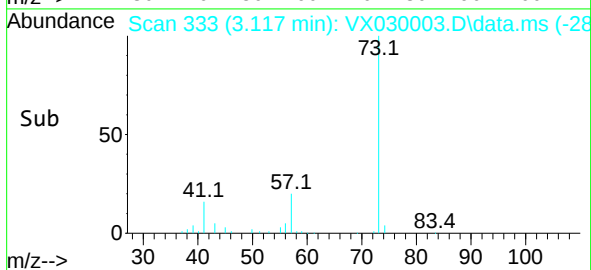
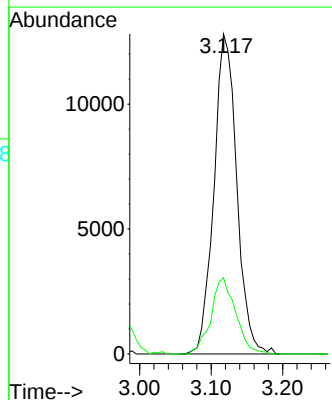
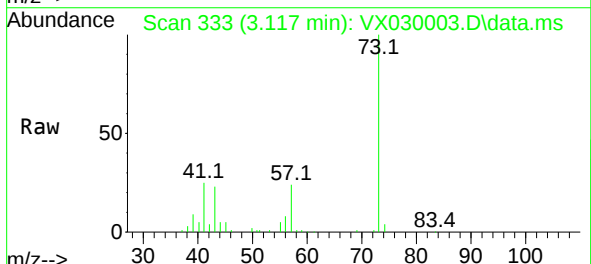
Instrument :
MSVOA_X
ClientSampleId :
31493

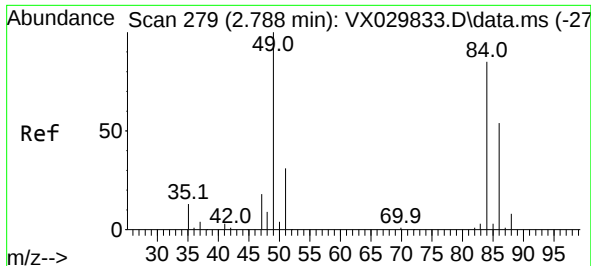
Tgt Ion: 43 Resp: 6620
Ion Ratio Lower Upper
43 100
74 28.6 19.4 29.2



#19
Methyl tert-butyl Ether
Concen: 4.407 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 73 Resp: 28418
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.6

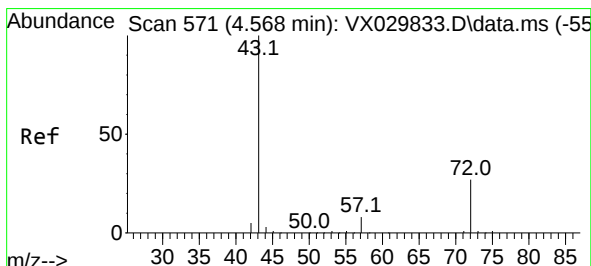
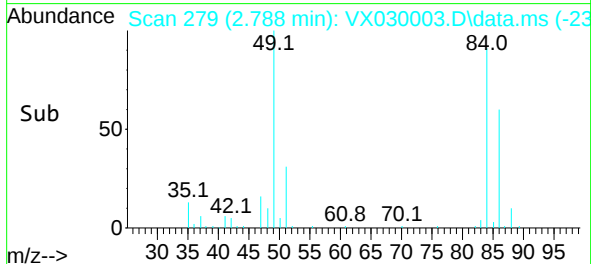
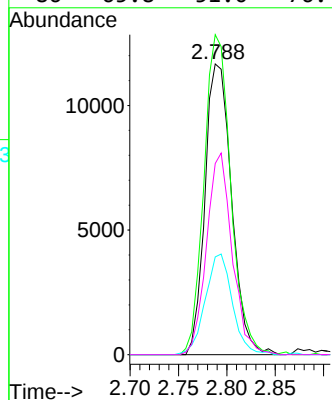
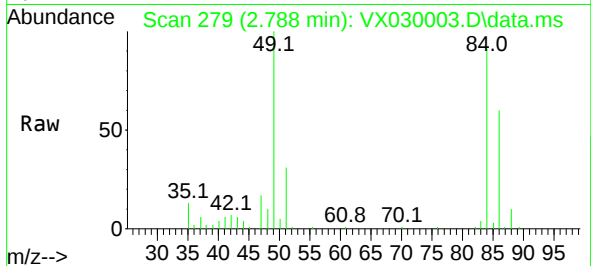




#20
Methylene Chloride
Concen: 9.220 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

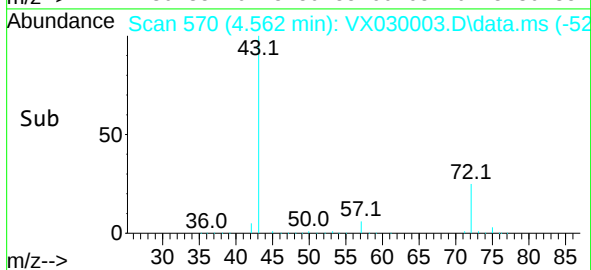
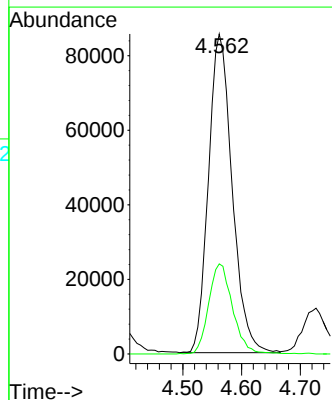
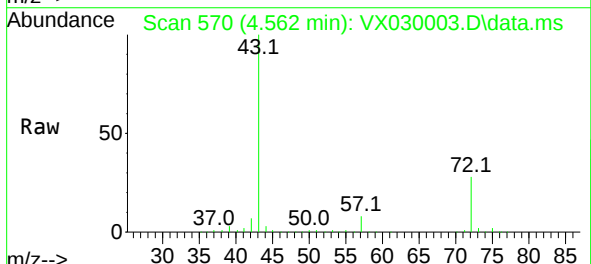
Instrument :
MSVOA_X
ClientSampleId :
31493

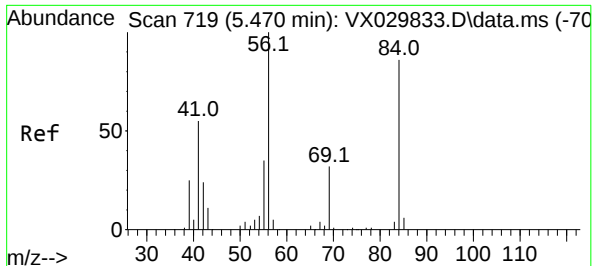
Tgt Ion: 84	Resp: 22363
Ion Ratio	Lower Upper
84 100	
49 110.0	93.8 140.6
51 33.6	29.4 44.0
86 65.8	51.0 76.4



#25
2-Butanone
Concen: 120.213 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 43	Resp: 239623
Ion Ratio	Lower Upper
43 100	
72 28.1	21.7 32.5

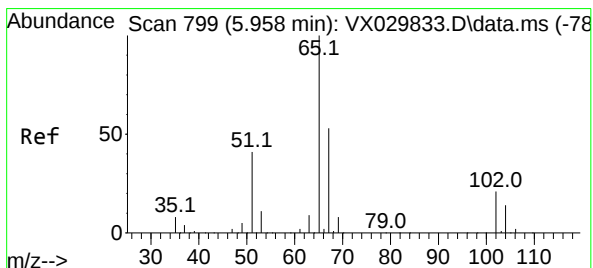
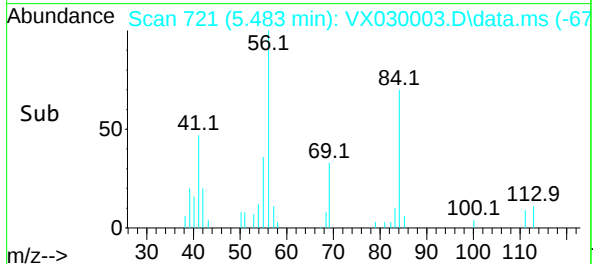
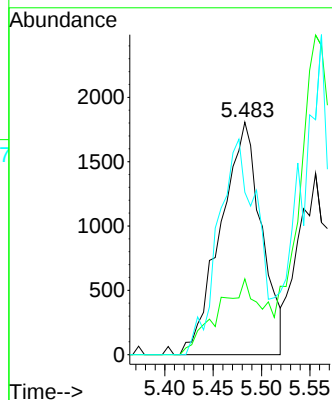
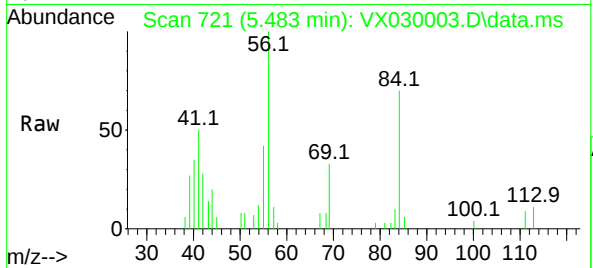




#31
Cyclohexane
Concen: 1.624 ug/l
RT: 5.483 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

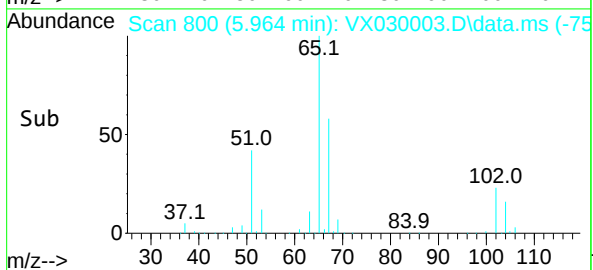
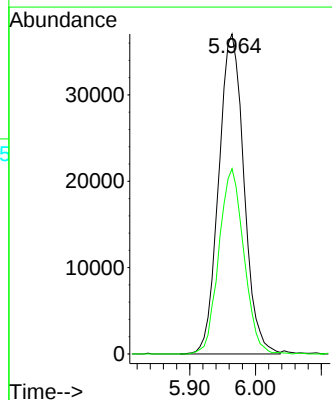
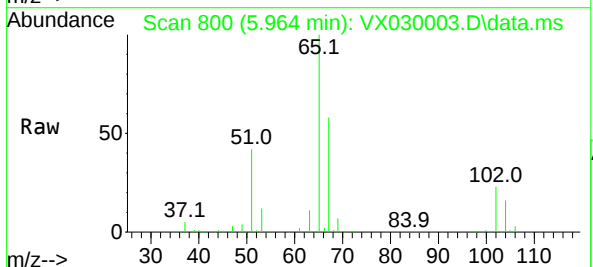
Instrument :
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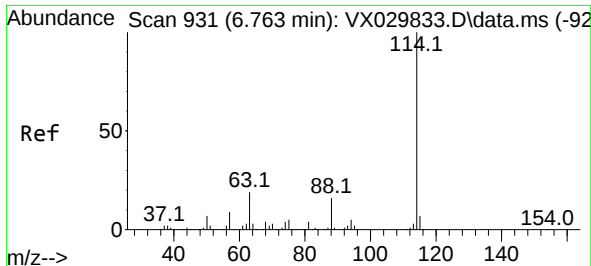
Tgt Ion: 56 Resp: 5316
Ion Ratio Lower Upper
56 100
69 32.6 25.4 38.0
84 69.8 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 42.152 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 65 Resp: 98951
Ion Ratio Lower Upper
65 100
67 57.4 0.0 109.6

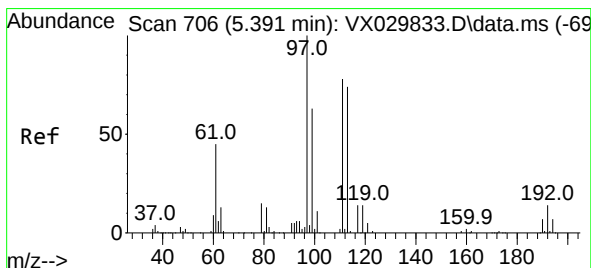
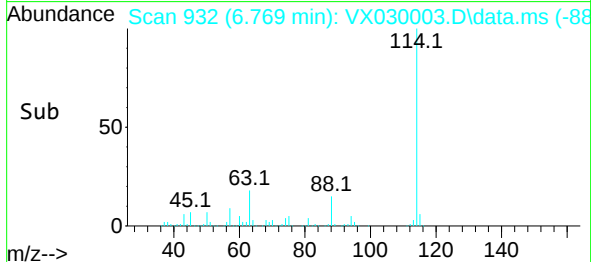
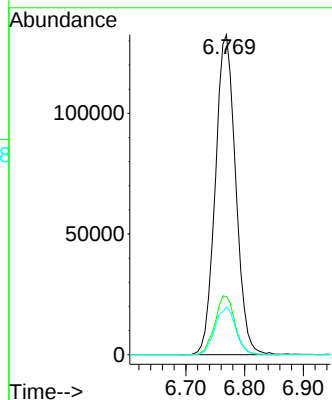
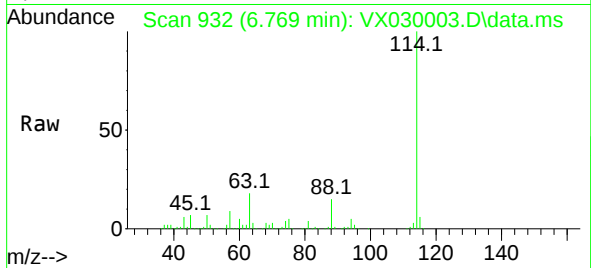




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

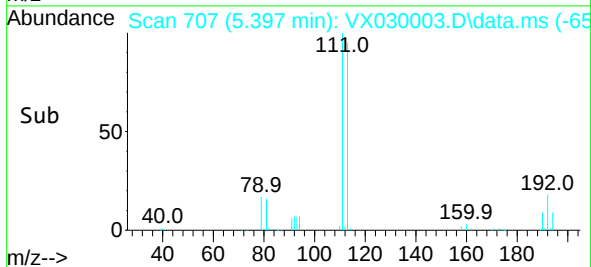
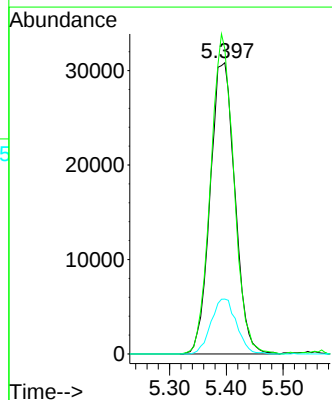
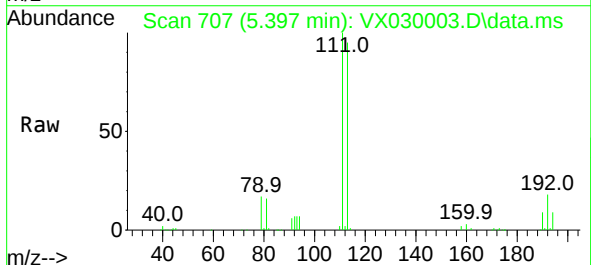
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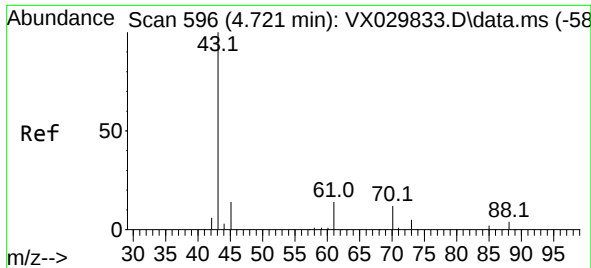
Tgt Ion:114 Resp: 318577
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.961 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion:113 Resp: 93497
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 19.4 14.8 22.2





#37

Ethyl Acetate

Concen: 9.337 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX030003.D

Acq: 11 Jul 2022 17:30

Instrument :

MSVOA_X

ClientSampleId :

31493

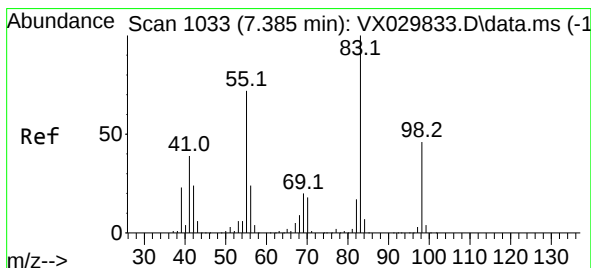
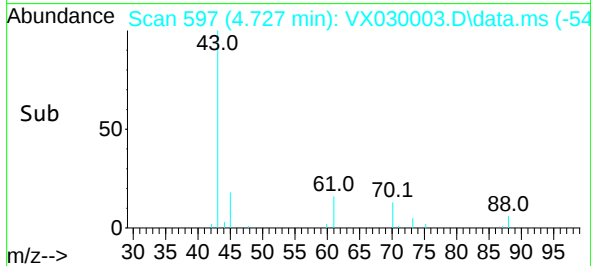
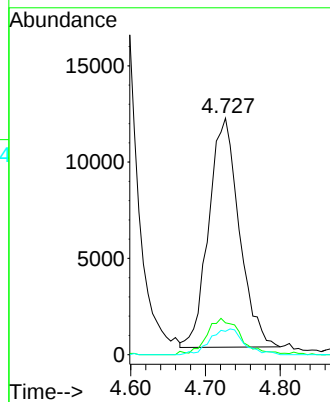
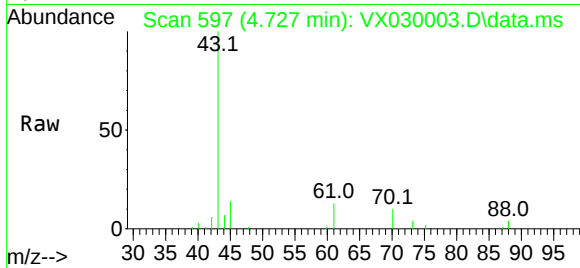
Tgt Ion: 43 Resp: 33816

Ion Ratio Lower Upper

43 100

61 17.7 11.7 17.5#

70 12.4 9.3 13.9



#39

Methylcyclohexane

Concen: 1.707 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX030003.D

Acq: 11 Jul 2022 17:30

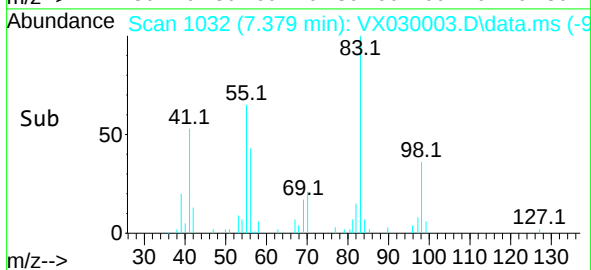
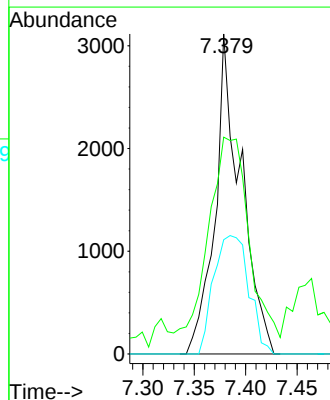
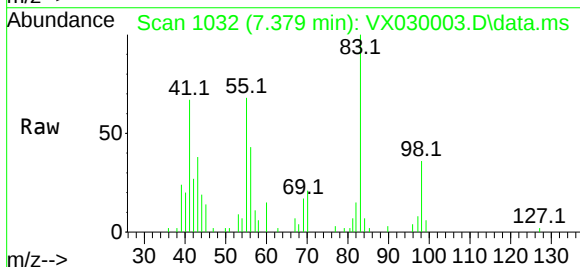
Tgt Ion: 83 Resp: 5466

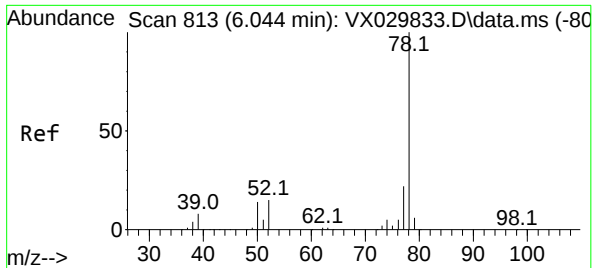
Ion Ratio Lower Upper

83 100

55 62.6 57.7 86.5

98 35.7 36.5 54.7#





#40

Benzene

Concen: 233.871 ug/l

RT: 6.050 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX030003.D

Acq: 11 Jul 2022 17:30

Instrument :

MSVOA_X

ClientSampleId :

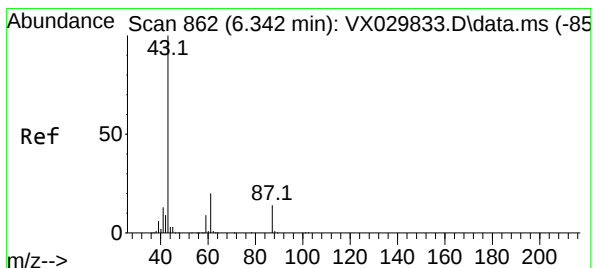
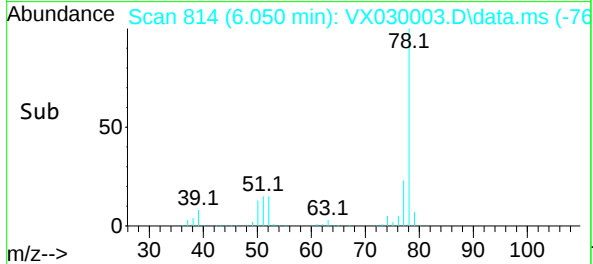
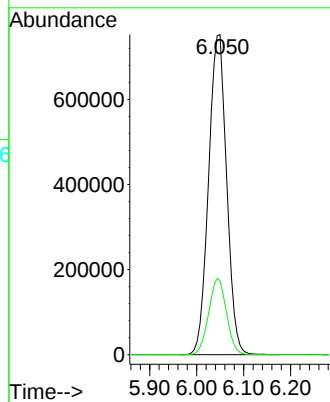
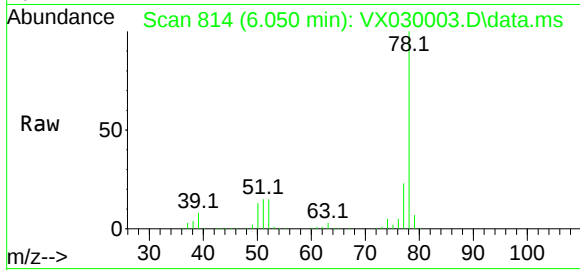
31493

Tgt Ion: 78 Resp: 2002482

Ion Ratio Lower Upper

78 100

77 23.2 18.0 27.0



#43

Isopropyl Acetate

Concen: 23.039 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX030003.D

Acq: 11 Jul 2022 17:30

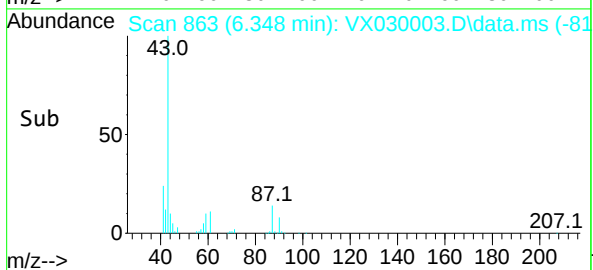
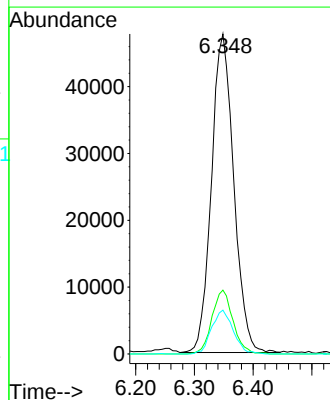
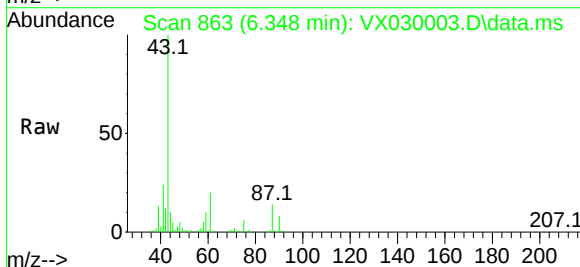
Tgt Ion: 43 Resp: 125644

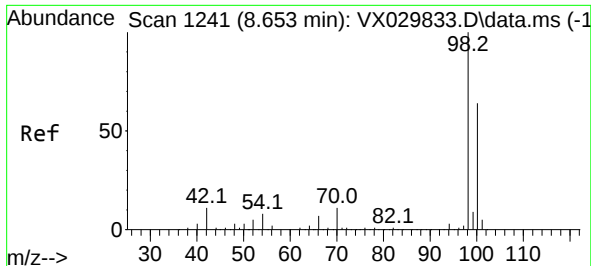
Ion Ratio Lower Upper

43 100

61 18.9 16.5 24.7

87 13.4 11.1 16.7

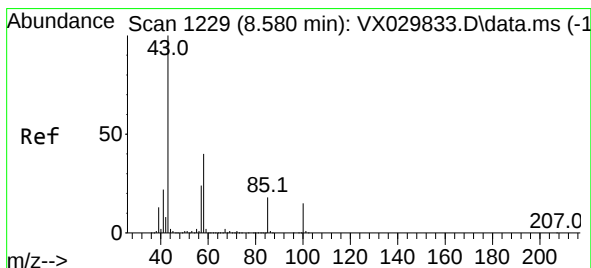
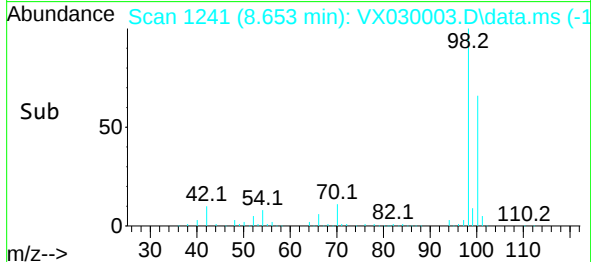
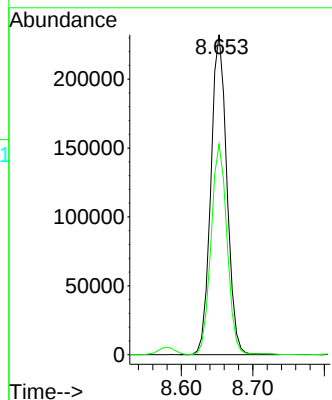
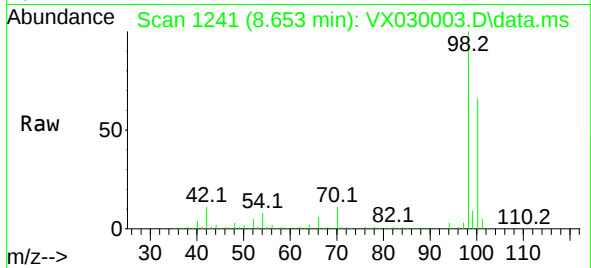




#50
Toluene-d8
Concen: 48.251 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

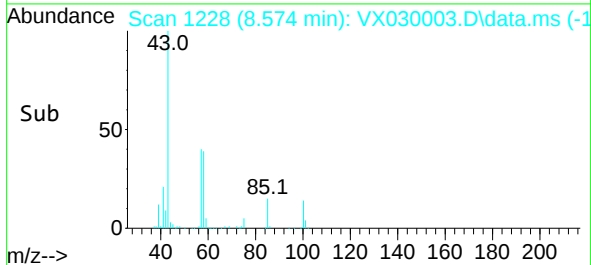
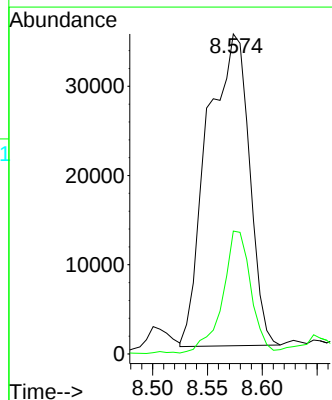
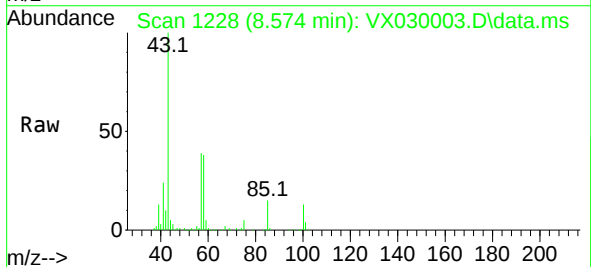
Instrument :
MSVOA_X
ClientSampleId :
31493

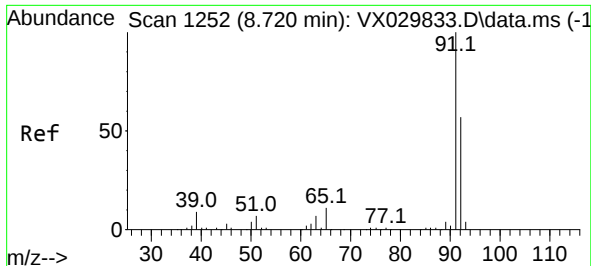
Tgt Ion: 98 Resp: 360382
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 25.868 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 43 Resp: 93025
Ion Ratio Lower Upper
43 100
58 26.4 31.4 47.2#

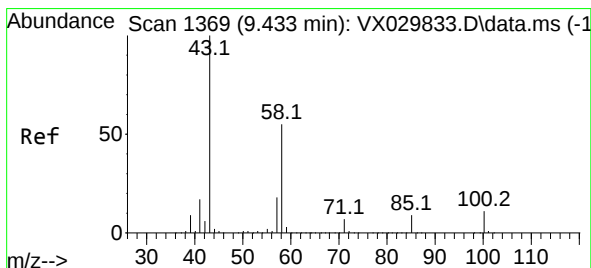
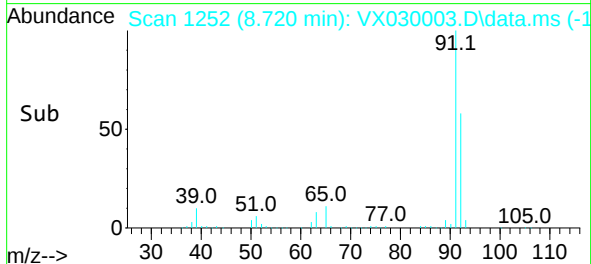
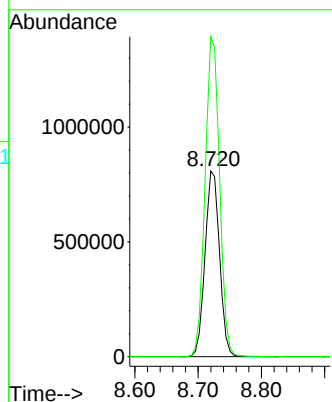
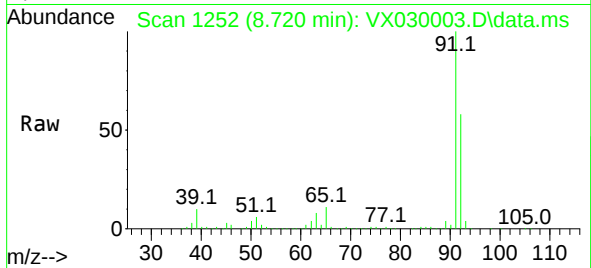




#52
Toluene
Concen: 249.816 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

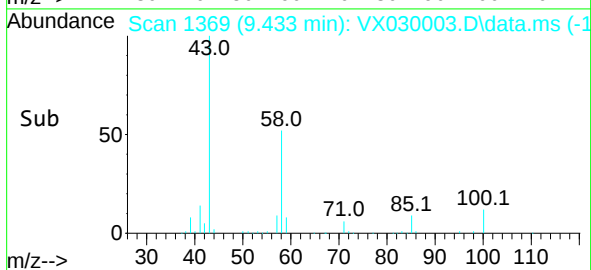
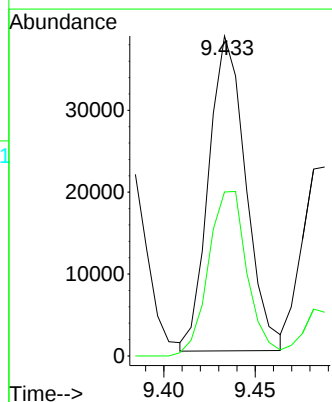
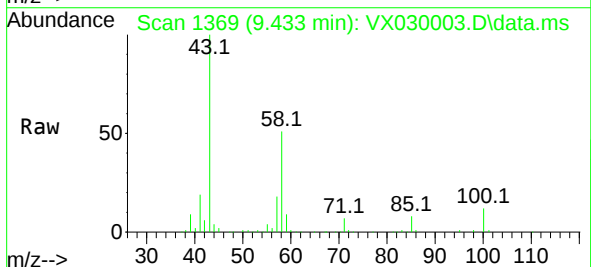
Instrument :
MSVOA_X
ClientSampleId :
31493

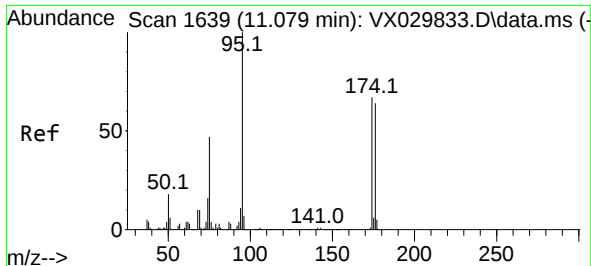
Tgt Ion: 92 Resp: 1290738
Ion Ratio Lower Upper
92 100
91 172.2 139.2 208.8



#59
2-Hexanone
Concen: 19.499 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 43 Resp: 54417
Ion Ratio Lower Upper
43 100
58 54.4 27.6 82.8

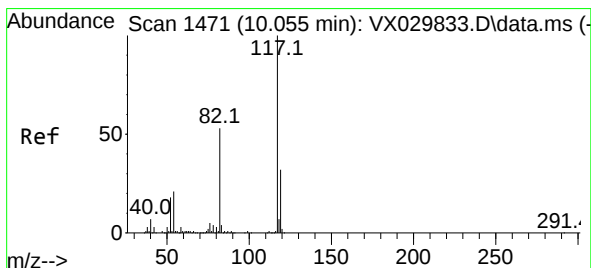
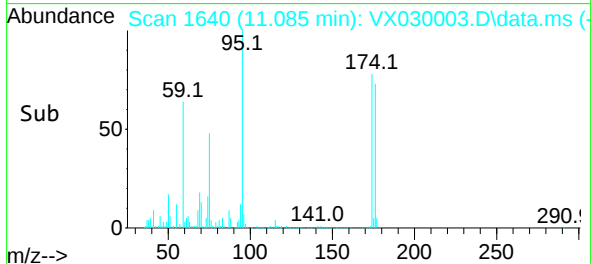
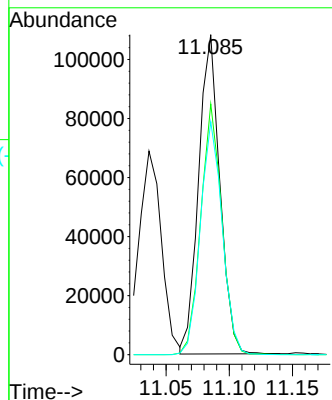
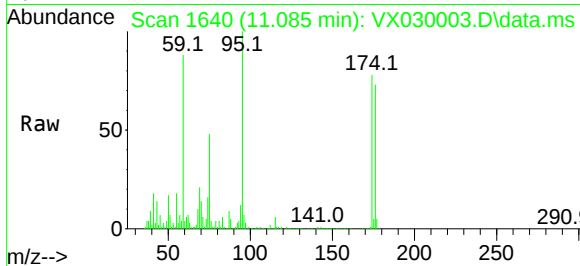




#62
4-Bromofluorobenzene
Concen: 47.920 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

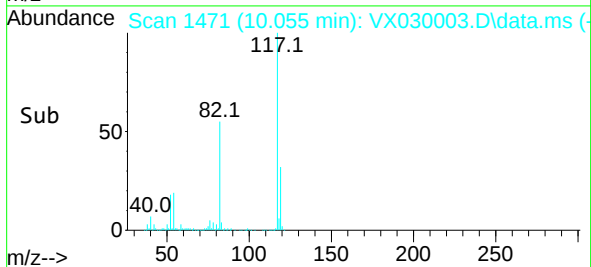
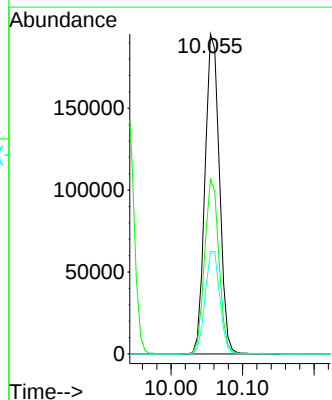
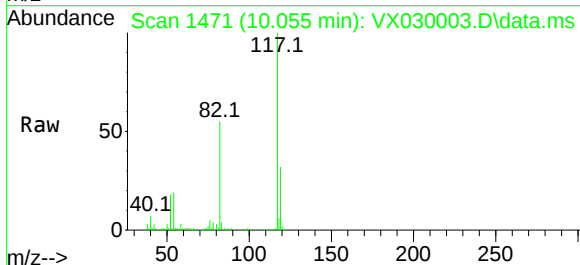
Instrument :
MSVOA_X
ClientSampleId :
31493

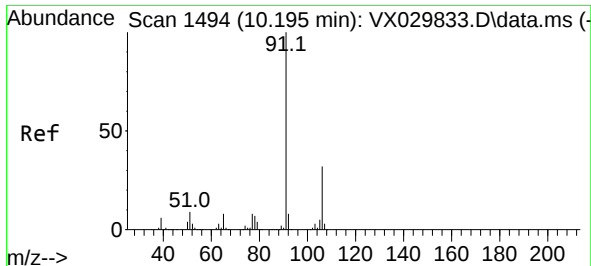
Tgt Ion: 95 Resp: 126517
Ion Ratio Lower Upper
95 100
174 77.8 0.0 149.0
176 74.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 117 Resp: 273843
Ion Ratio Lower Upper
117 100
82 54.5 42.7 64.1
119 32.0 25.4 38.2





#67

Ethyl Benzene

Concen: 51.398 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030003.D

Acq: 11 Jul 2022 17:30

Instrument :

MSVOA_X

ClientSampleId :

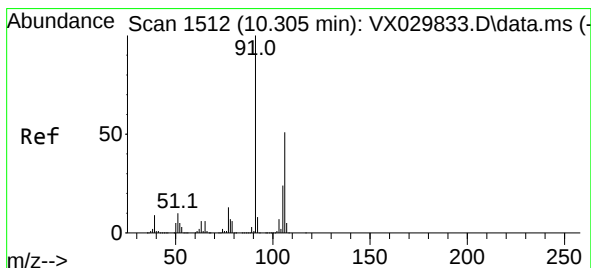
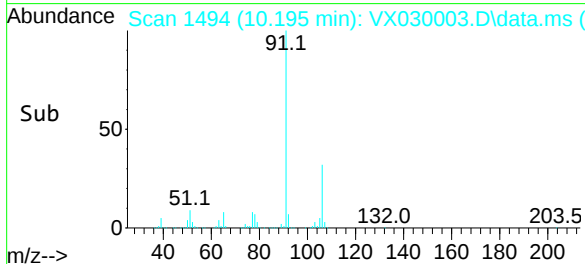
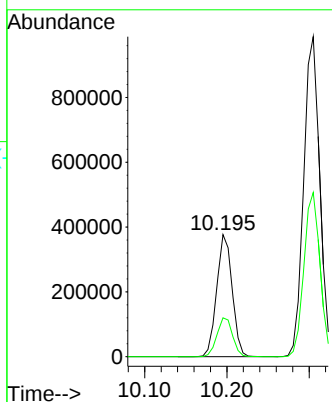
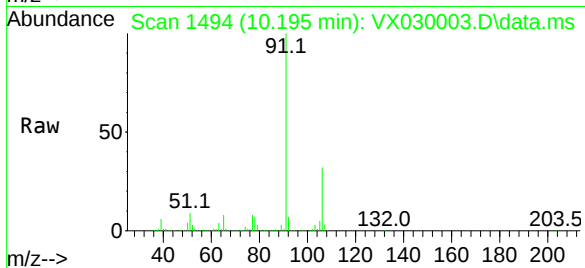
31493

Tgt Ion: 91 Resp: 491428

Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 187.197 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX030003.D

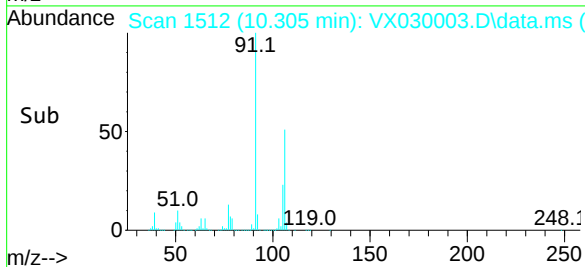
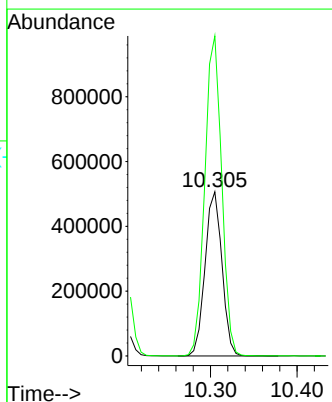
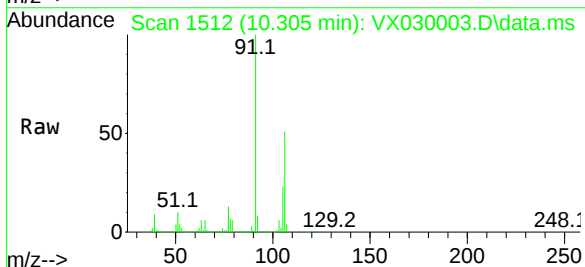
Acq: 11 Jul 2022 17:30

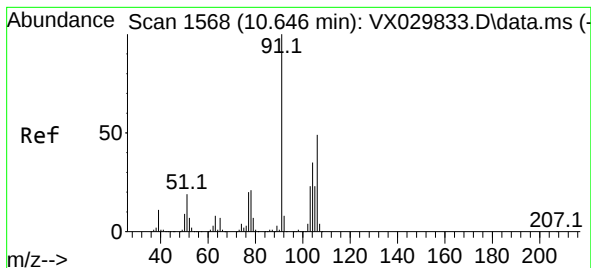
Tgt Ion:106 Resp: 686459

Ion Ratio Lower Upper

106 100

91 194.6 158.2 237.4

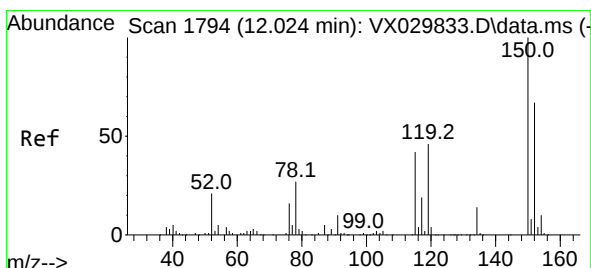
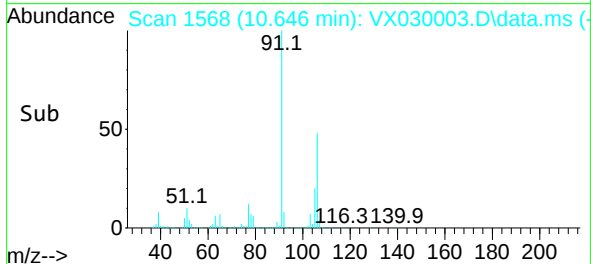
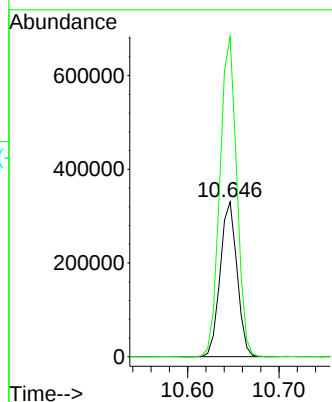
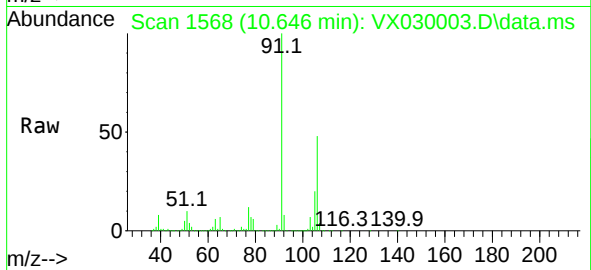




#69
o-Xylene
Concen: 114.175 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

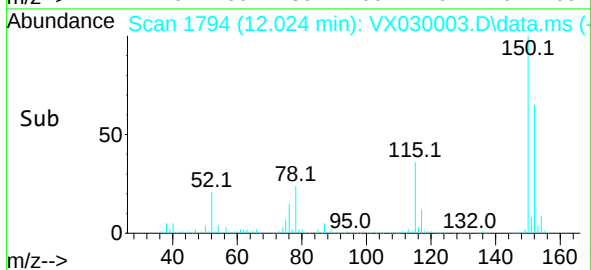
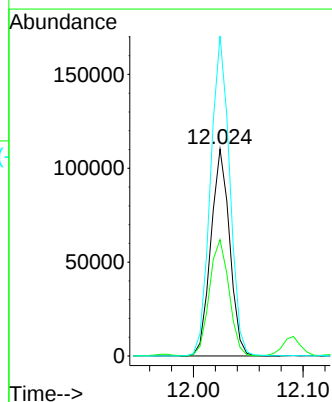
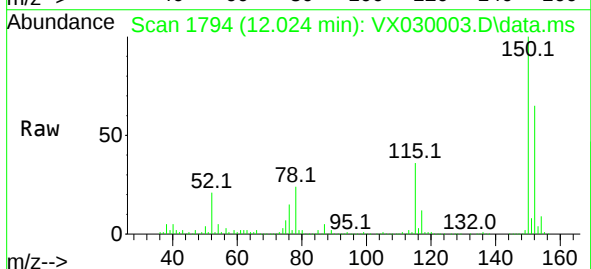
Instrument :
MSVOA_X
ClientSampleId :
31493

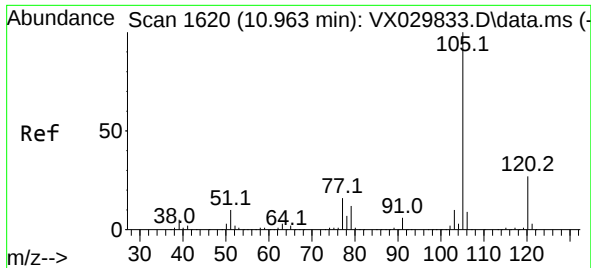
Tgt Ion:106 Resp: 424083
Ion Ratio Lower Upper
106 100
91 207.4 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion:152 Resp: 131135
Ion Ratio Lower Upper
152 100
115 58.4 40.5 121.5
150 158.0 0.0 347.0

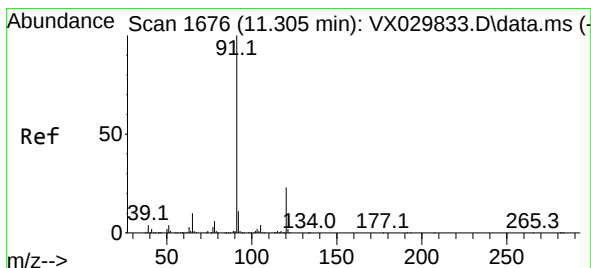
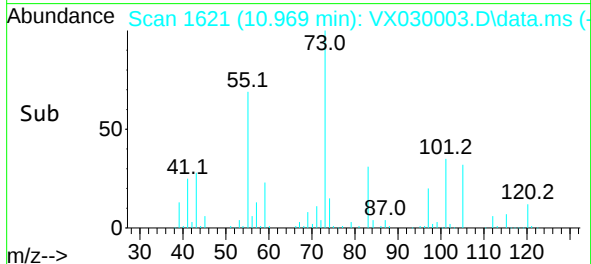
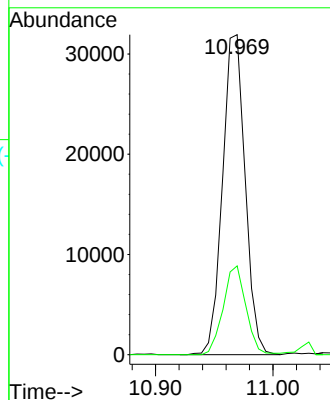
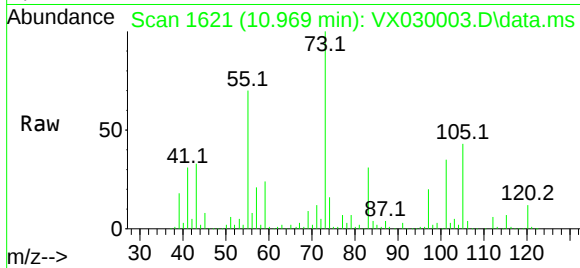




#73
Isopropylbenzene
Concen: 4.510 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

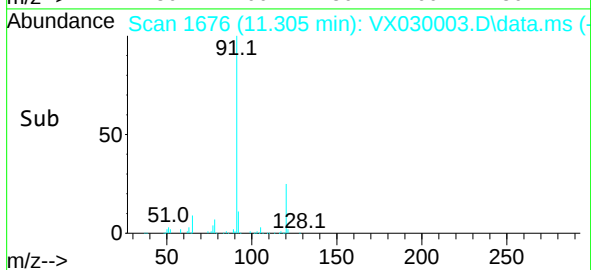
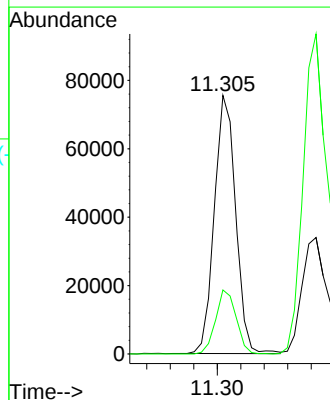
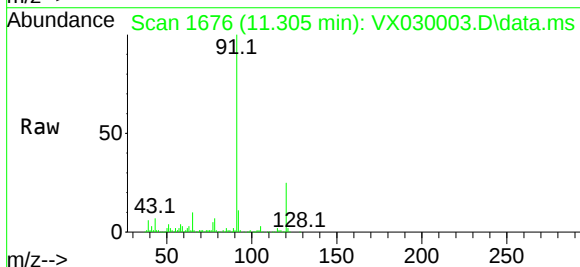
Instrument :
MSVOA_X
ClientSampleId :
31493

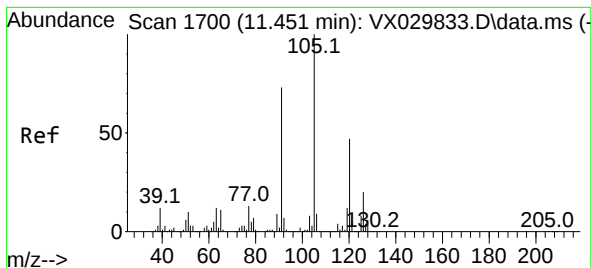
Tgt Ion:105 Resp: 42795
Ion Ratio Lower Upper
105 100
120 27.9 13.5 40.4



#78
n-propylbenzene
Concen: 8.511 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX030003.D
Acq: 11 Jul 2022 17:30

Tgt Ion: 91 Resp: 95249
Ion Ratio Lower Upper
91 100
120 23.8 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 21.174 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030003.D

Acq: 11 Jul 2022 17:30

Instrument :

MSVOA_X

ClientSampleId :

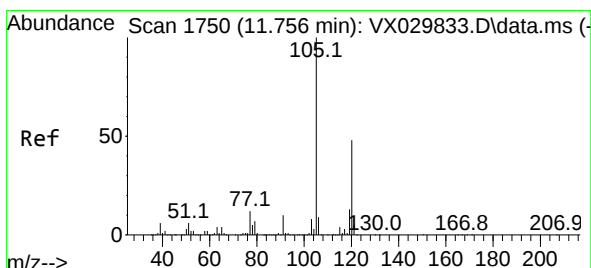
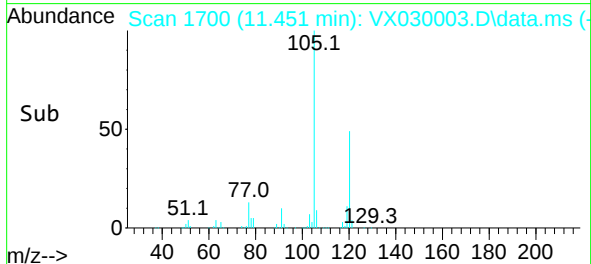
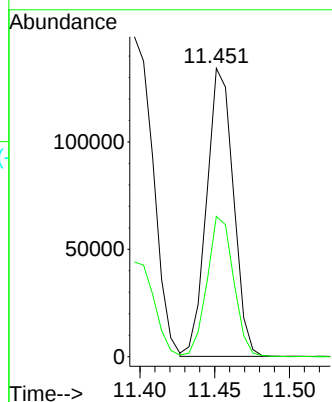
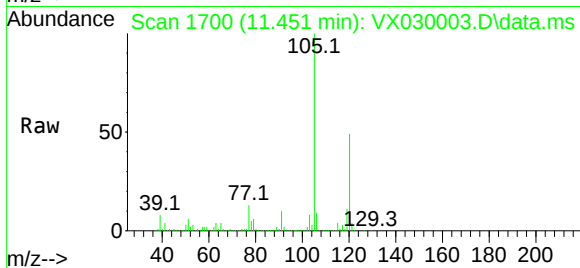
31493

Tgt Ion:105 Resp: 166790

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2



#84

1,2,4-Trimethylbenzene

Concen: 97.926 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX030003.D

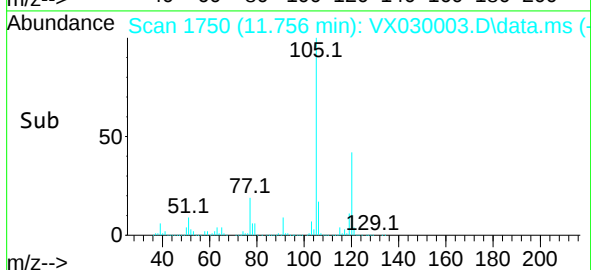
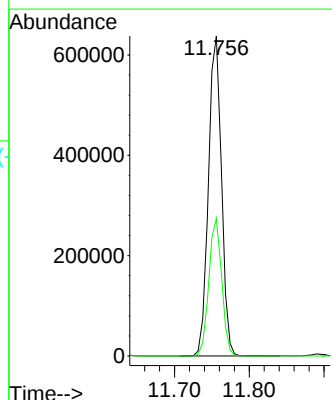
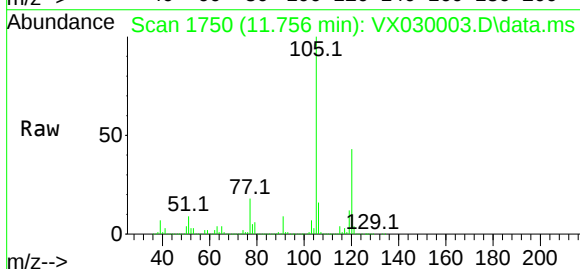
Acq: 11 Jul 2022 17:30

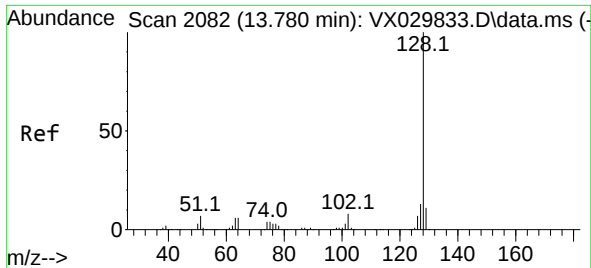
Tgt Ion:105 Resp: 772731

Ion Ratio Lower Upper

105 100

120 42.4 22.9 68.8





#95

Naphthalene

Concen: 70.075 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030003.D

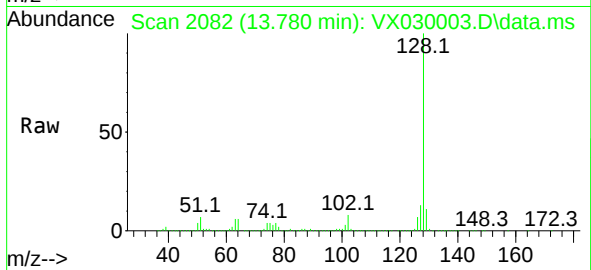
Acq: 11 Jul 2022 17:30

Instrument :

MSVOA_X

ClientSampleId :

31493



Tgt Ion:128 Resp: 742207

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.9 8.6 13.0

