

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036967.D
 Acq On : 14 Aug 2023 16:12
 Operator : JC/MD
 Sample : 03899-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15017

Quant Time: Aug 15 01:29:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

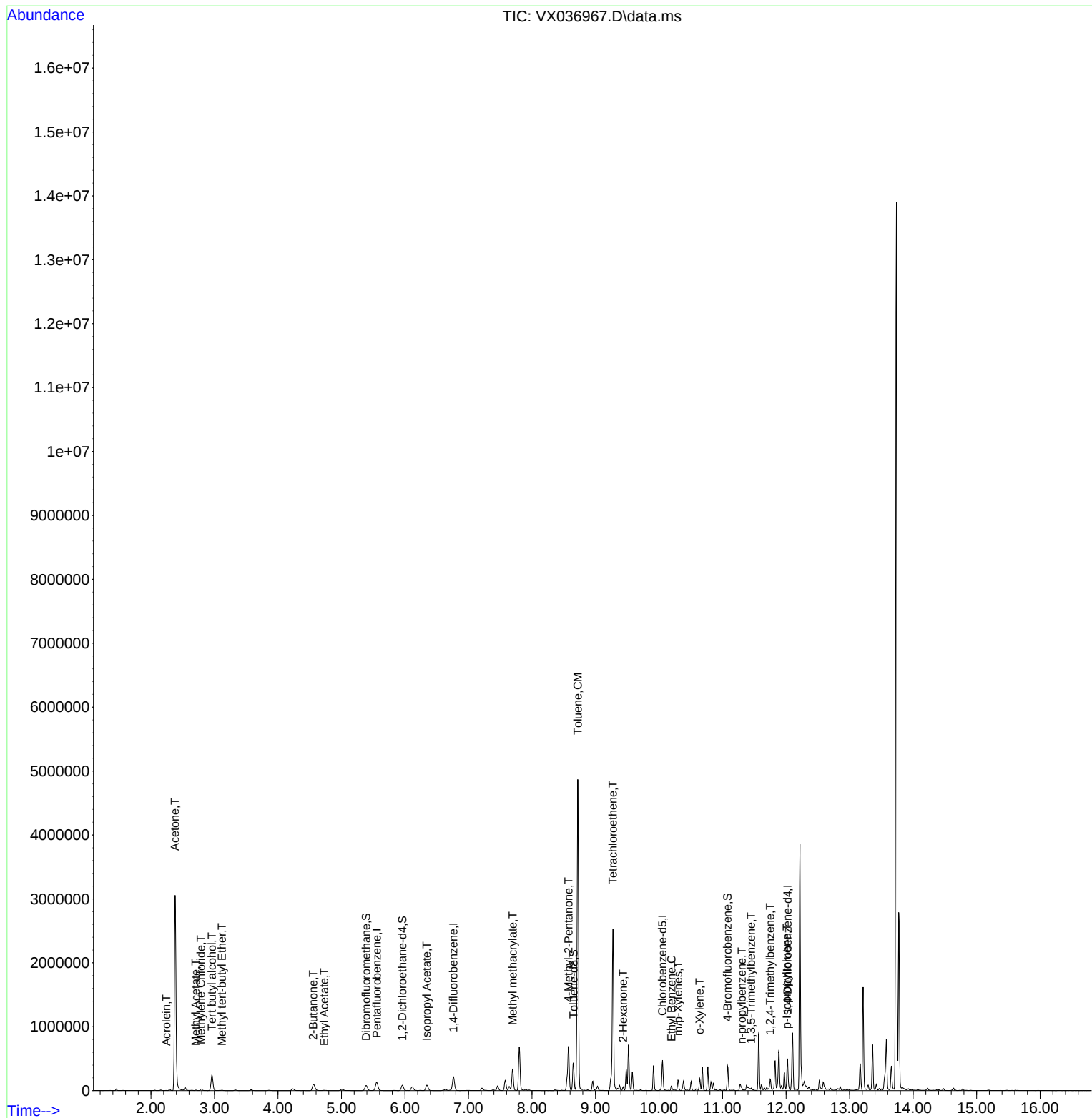
Internal Standards						
1) Pentafluorobenzene	5.556	168	118231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84478	48.290	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.580%		
35) Dibromofluoromethane	5.385	113	70798	46.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.700%		
50) Toluene-d8	8.653	98	264459	49.349	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.700%		
62) 4-Bromofluorobenzene	11.079	95	106615	52.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.460%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	295472	713.424	ug/l #	92
13) Acrolein	2.239	56	1782	7.539	ug/l	86
16) Acetone	2.380	43	3296205	4540.632	ug/l #	88
18) Methyl Acetate	2.703	43	9569	3.133	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	6755	1.358	ug/l	99
20) Methylene Chloride	2.788	84	13948	8.639	ug/l	92
25) 2-Butanone	4.556	43	153518	130.344	ug/l #	90
37) Ethyl Acetate	4.727	43	8751	3.433	ug/l	97
43) Isopropyl Acetate	6.342	43	104770	23.874	ug/l	96
48) Methyl methacrylate	7.696	41	137912	67.575	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	431172	177.545	ug/l	99
52) Toluene	8.720	92	1848953	450.284	ug/l	98
59) 2-Hexanone	9.433	43	27695	15.366	ug/l	93
64) Tetrachloroethene	9.275	164	453940	291.564	ug/l	99
67) Ethyl Benzene	10.195	91	41846	4.978	ug/l	99
68) m/p-Xylenes	10.299	106	37751	12.037	ug/l	96
69) o-Xylene	10.640	106	31861	10.178	ug/l	98
78) n-propylbenzene	11.305	91	15085	1.582	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	16158	2.343	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	68411	9.918	ug/l	96
86) p-Isopropyltoluene	12.012	119	14041	2.019	ug/l	96

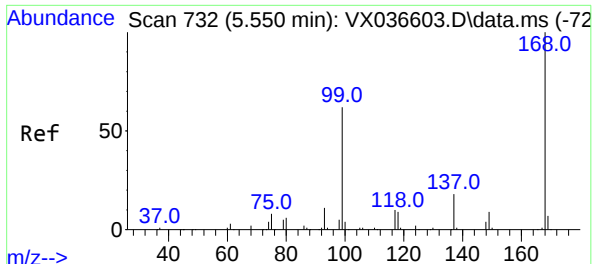
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

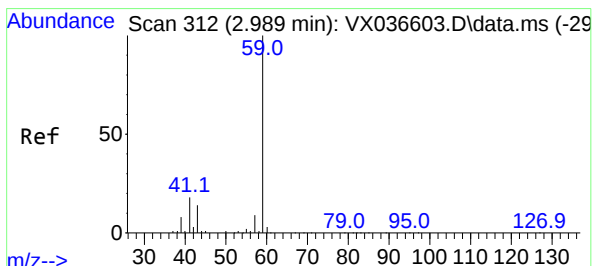
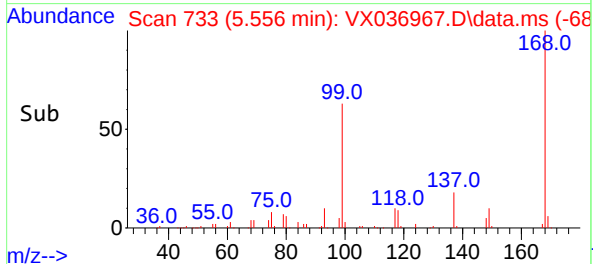
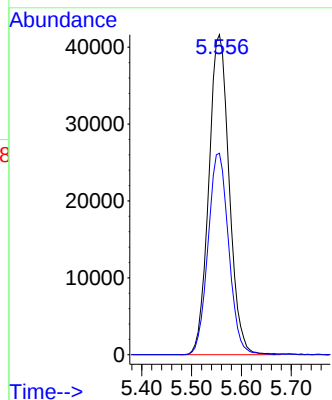
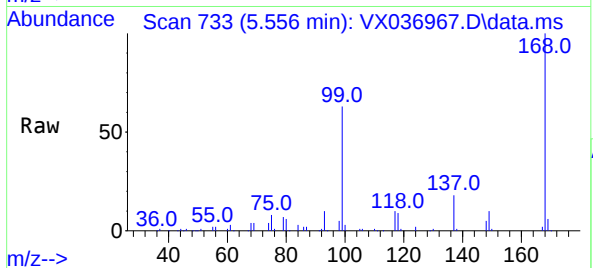




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

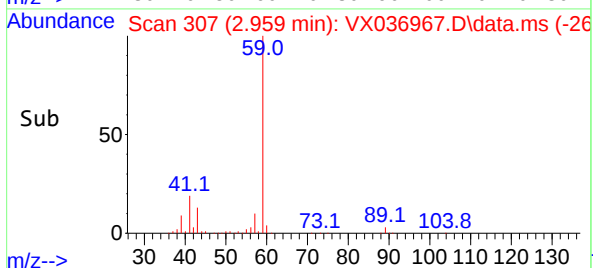
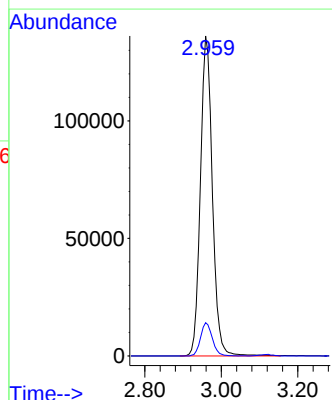
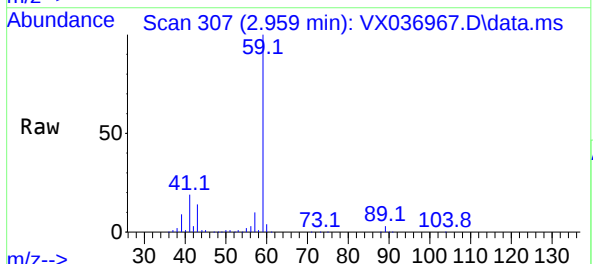
Instrument :
MSVOA_X
ClientSampleId :
15017

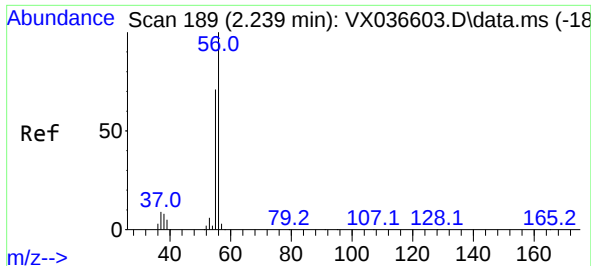
Tgt Ion:168 Resp: 118231
Ion Ratio Lower Upper
168 100
99 63.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 713.424 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.031 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 59 Resp: 295472
Ion Ratio Lower Upper
59 100
57 10.2 6.0 9.0#

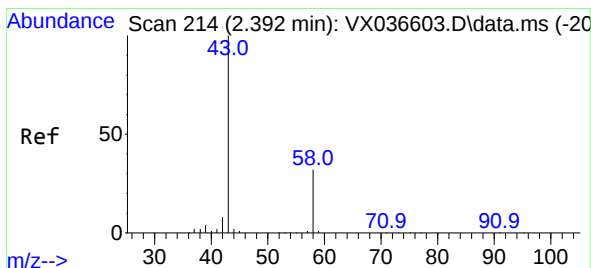
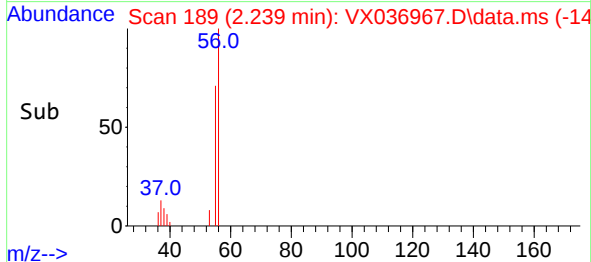
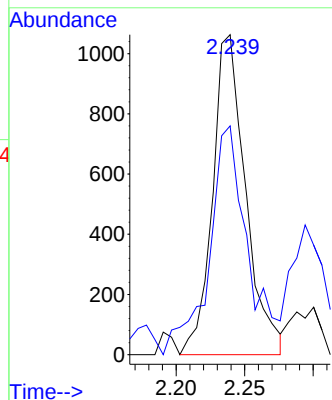
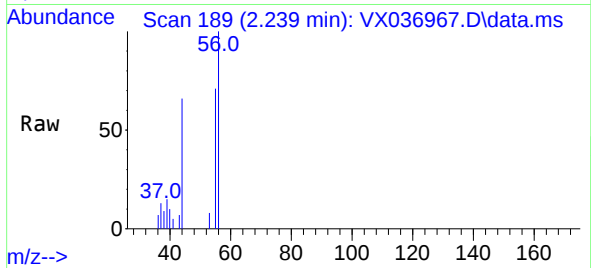




#13
Acrolein
Concen: 7.539 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

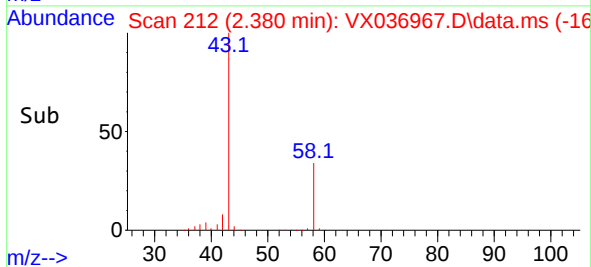
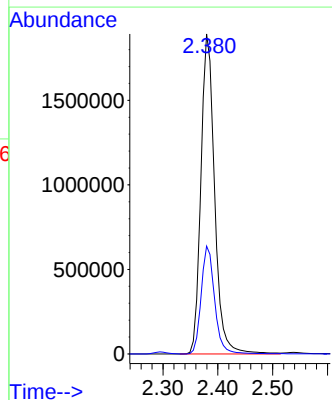
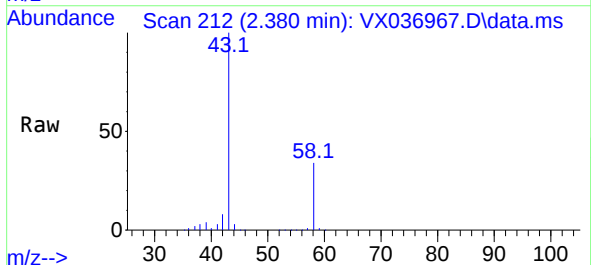
Instrument :
MSVOA_X
ClientSampleId :
15017

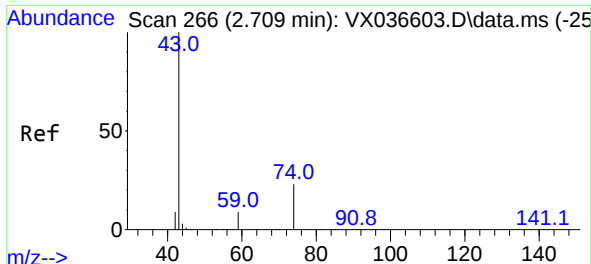
Tgt Ion: 56 Resp: 1782
Ion Ratio Lower Upper
56 100
55 83.0 57.1 85.7



#16
Acetone
Concen: 4540.632 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 43 Resp: 3296205
Ion Ratio Lower Upper
43 100
58 33.7 21.9 32.9#

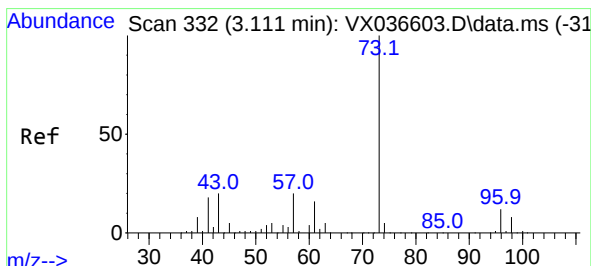
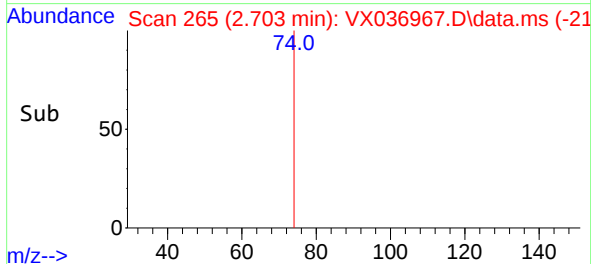
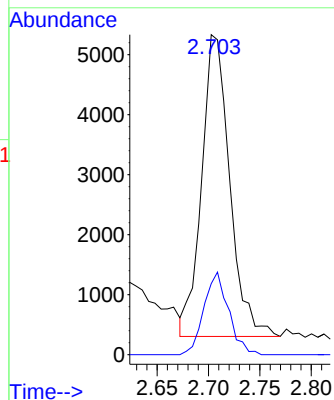
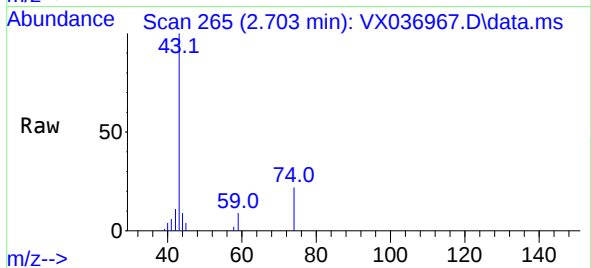




#18
Methyl Acetate
Concen: 3.133 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

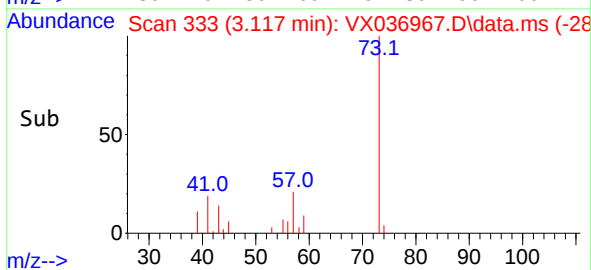
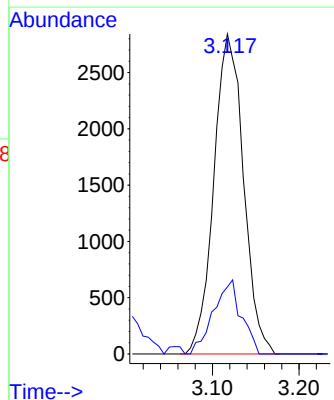
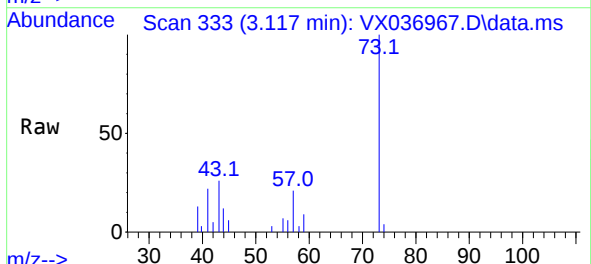
Instrument :
MSVOA_X
ClientSampleId :
15017

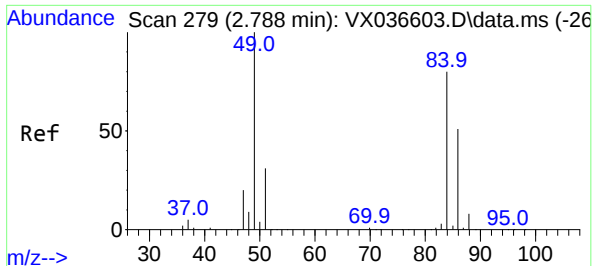
Tgt Ion: 43 Resp: 9569
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 1.358 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 73 Resp: 6755
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9

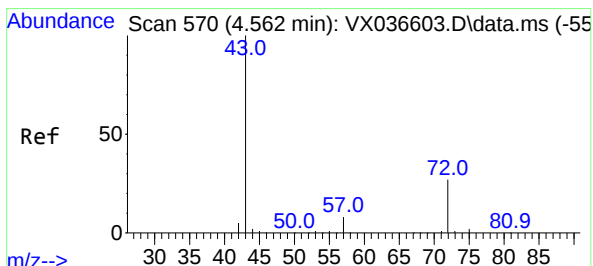
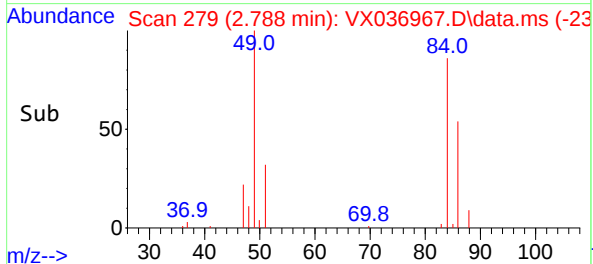
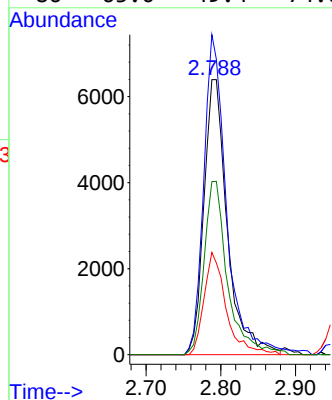
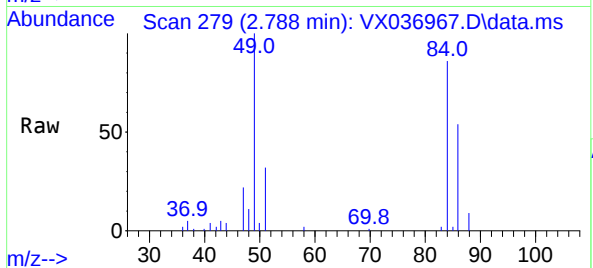




#20
Methylene Chloride
Concen: 8.639 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

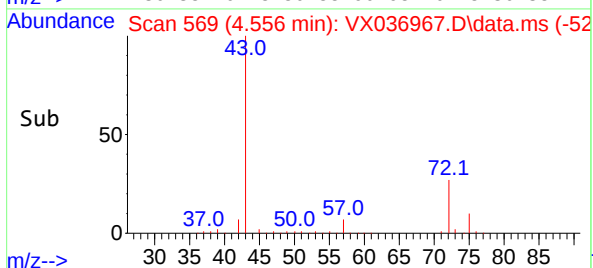
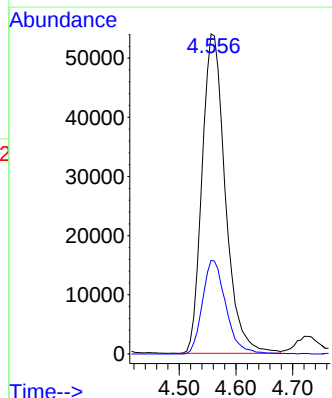
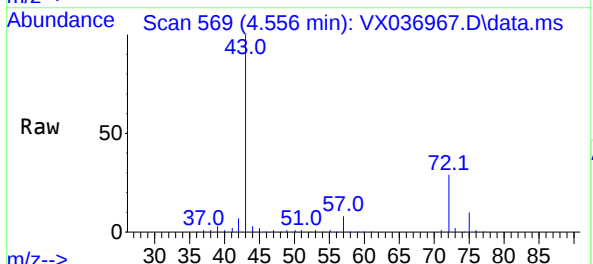
Instrument :
MSVOA_X
ClientSampleId :
15017

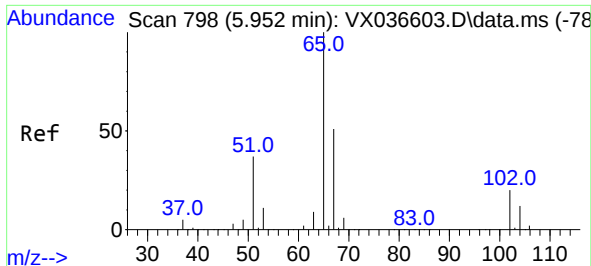
Tgt Ion:	84	Resp:	13948
Ion	Ratio	Lower	Upper
84	100		
49	116.3	103.6	155.4
51	37.1	33.8	50.6
86	63.0	49.4	74.0



#25
2-Butanone
Concen: 130.344 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.006 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion:	43	Resp:	153518
Ion	Ratio	Lower	Upper
43	100		
72	29.3	19.4	29.2#





#33

1,2-Dichloroethane-d4

Concen: 48.290 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036967.D

Acq: 14 Aug 2023 16:12

Instrument :

MSVOA_X

ClientSampleId :

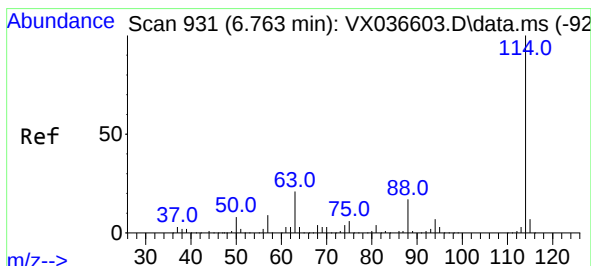
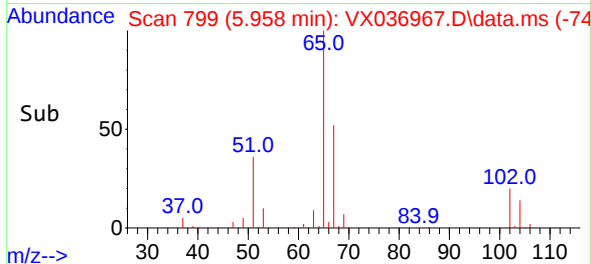
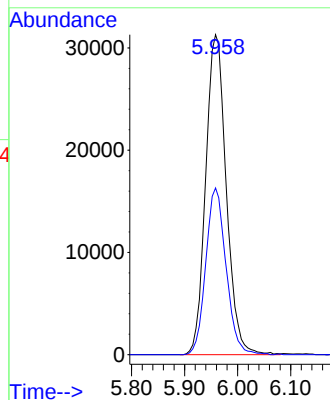
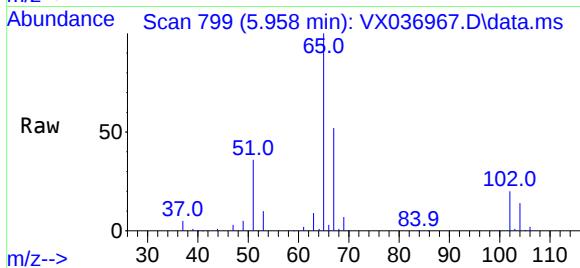
15017

Tgt Ion: 65 Resp: 84478

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036967.D

Acq: 14 Aug 2023 16:12

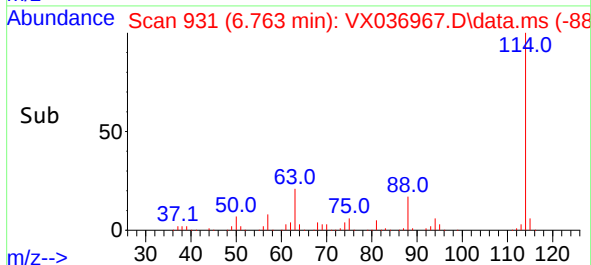
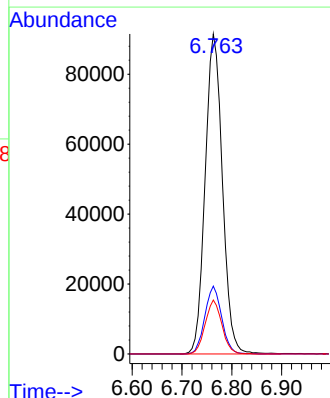
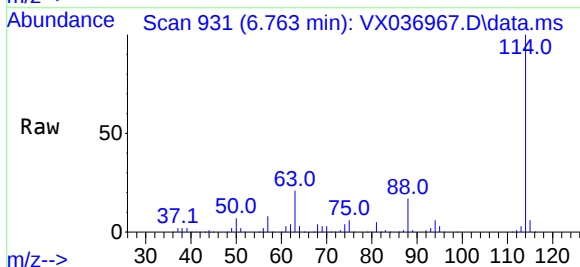
Tgt Ion: 114 Resp: 219858

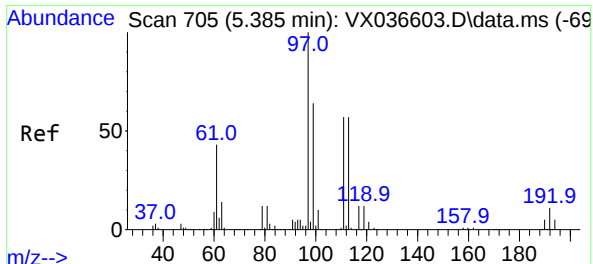
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

88 16.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.849 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX036967.D

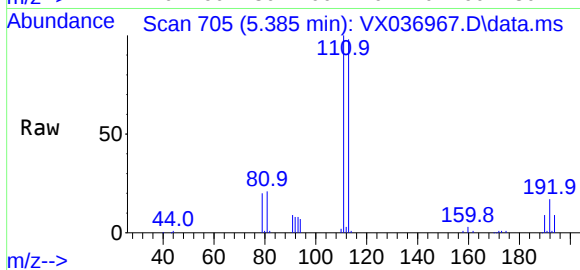
Acq: 14 Aug 2023 16:12

Instrument :

MSVOA_X

ClientSampleId :

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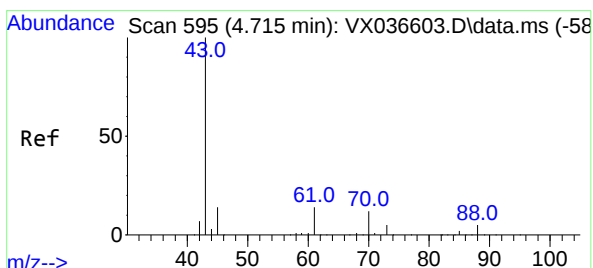
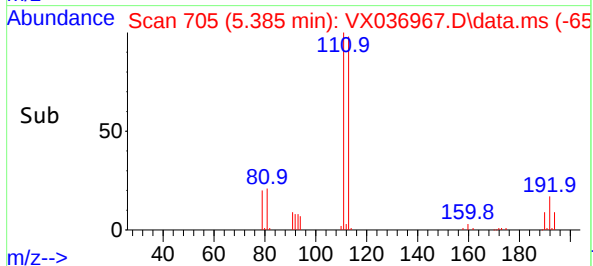
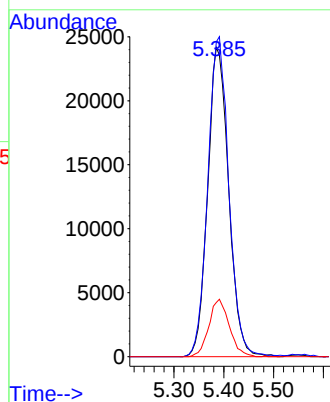
Tgt Ion:113 Resp: 70798

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

192 18.0 13.3 19.9



#37

Ethyl Acetate

Concen: 3.433 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX036967.D

Acq: 14 Aug 2023 16:12

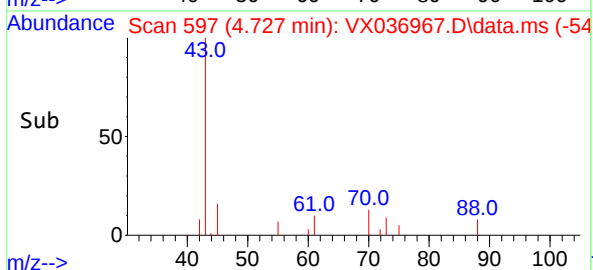
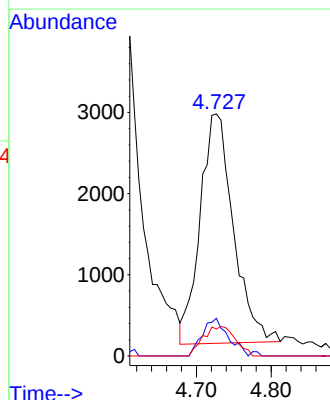
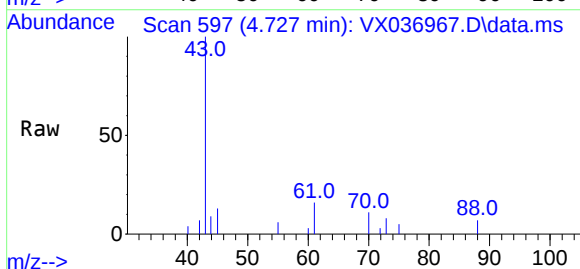
Tgt Ion: 43 Resp: 8751

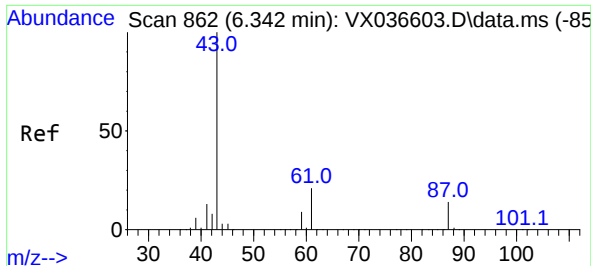
Ion Ratio Lower Upper

43 100

61 12.7 10.6 16.0

70 12.3 8.3 12.5

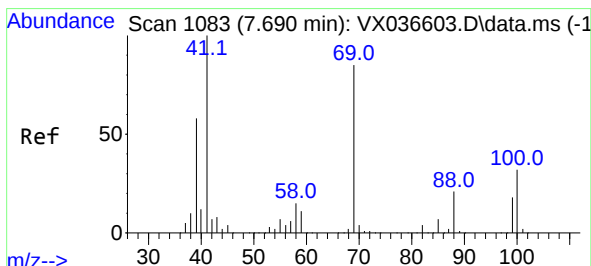
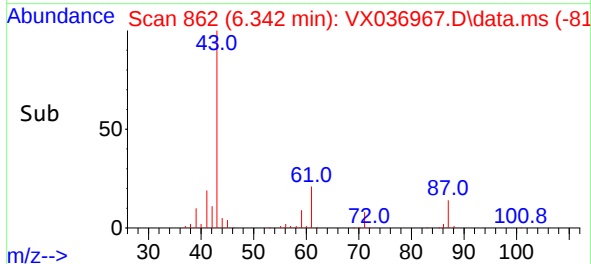
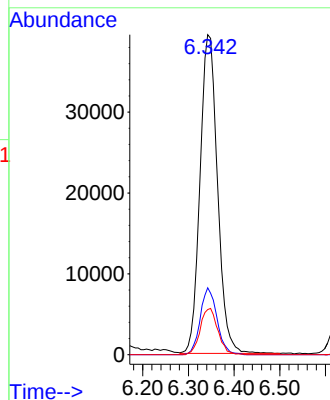
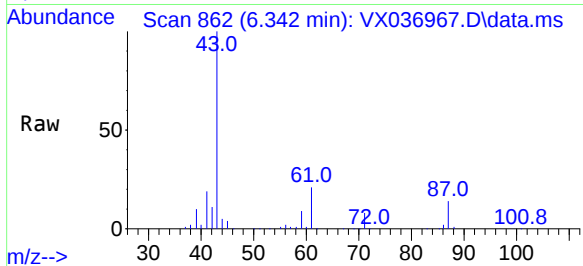




#43
Isopropyl Acetate
Concen: 23.874 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

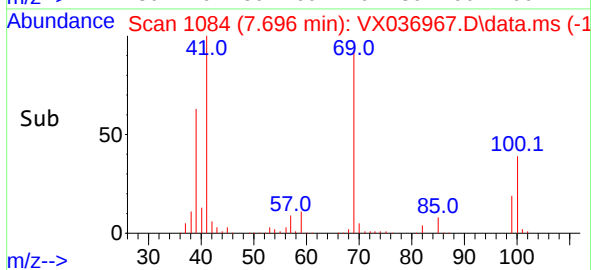
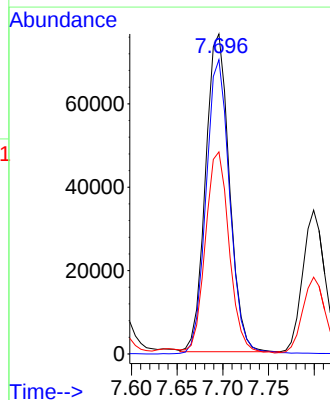
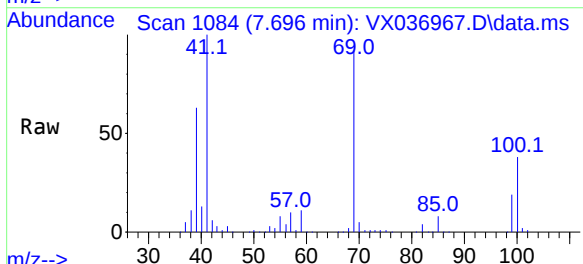
Instrument :
MSVOA_X
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15017

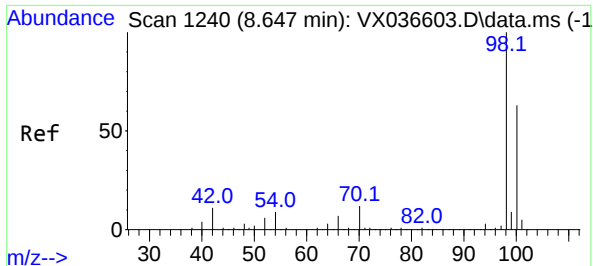
Tgt Ion: 43 Resp: 104770
Ion Ratio Lower Upper
43 100
61 20.1 15.2 22.8
87 14.6 9.8 14.6



#48
Methyl methacrylate
Concen: 67.575 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 41 Resp: 137912
Ion Ratio Lower Upper
41 100
69 92.8 59.2 88.8#
39 63.1 47.7 71.5





#50

Toluene-d8

Concen: 49.349 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX036967.D

Acq: 14 Aug 2023 16:12

Instrument :

MSVOA_X

ClientSampleId :

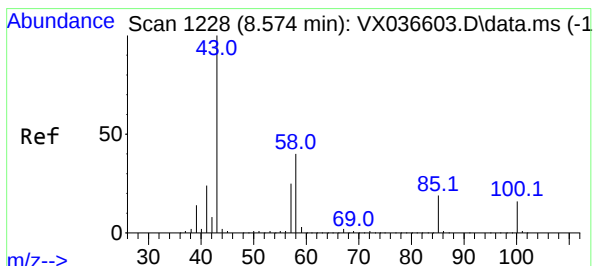
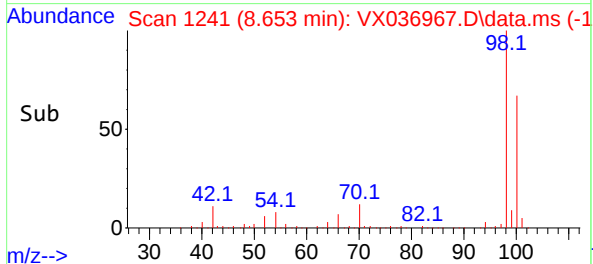
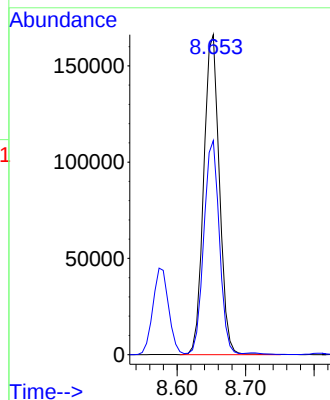
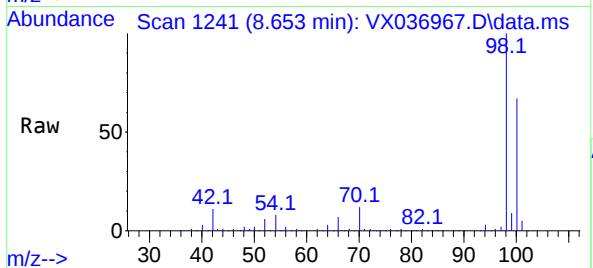
15017

Tgt Ion: 98 Resp: 264459

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 177.545 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX036967.D

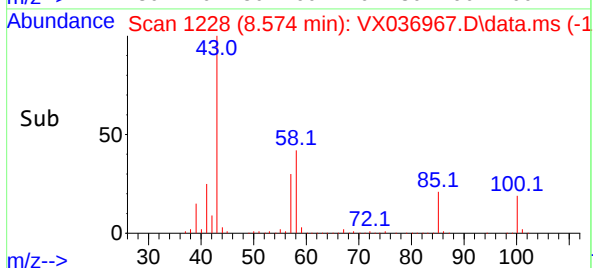
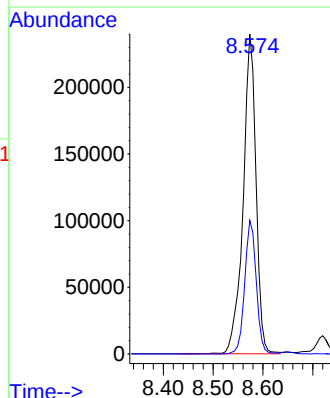
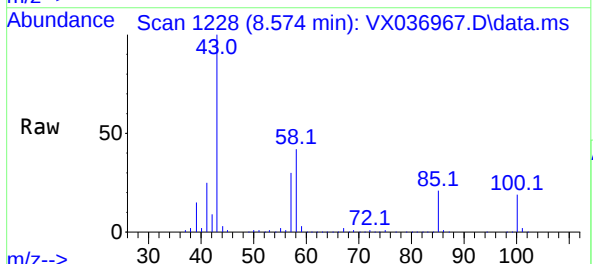
Acq: 14 Aug 2023 16:12

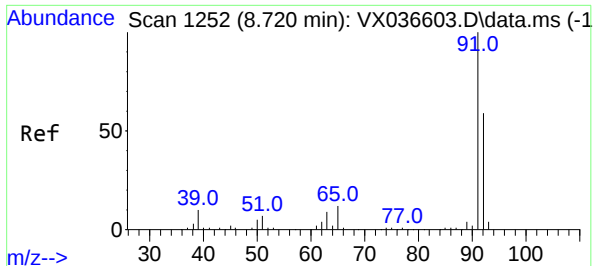
Tgt Ion: 43 Resp: 431172

Ion Ratio Lower Upper

43 100

58 37.4 30.4 45.6

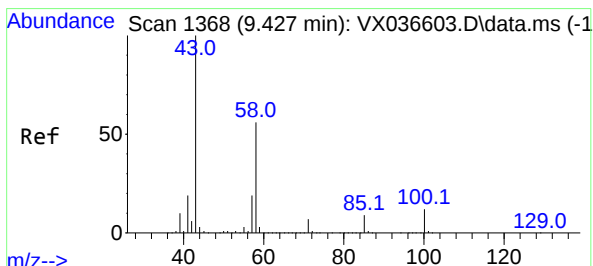
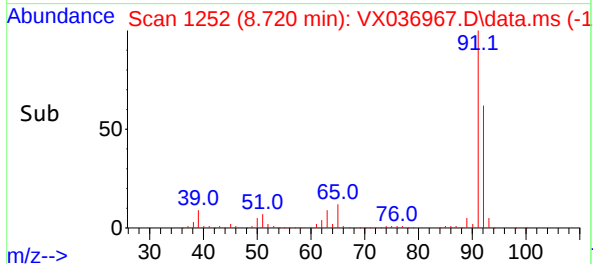
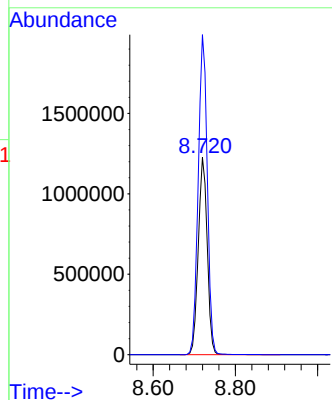
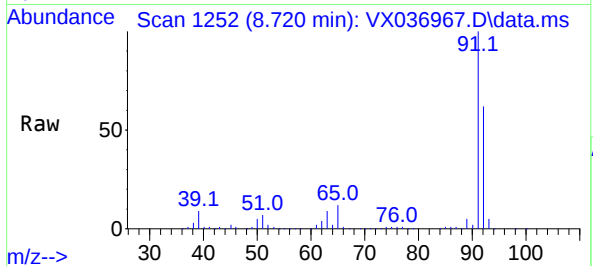




#52
Toluene
Concen: 450.284 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

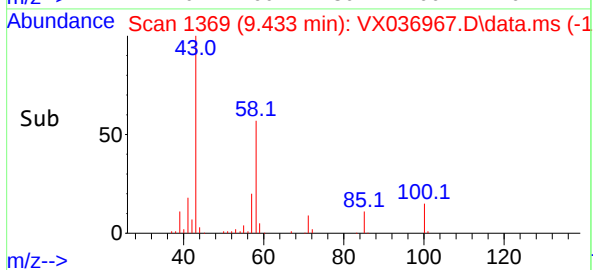
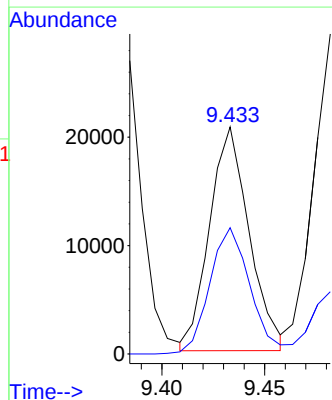
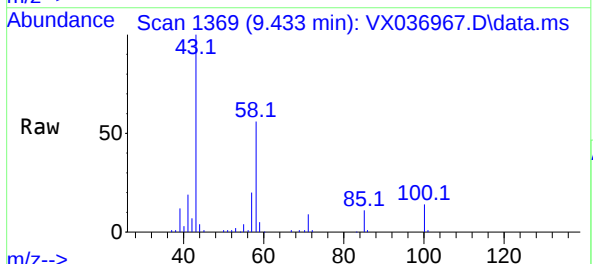
Instrument :
MSVOA_X
ClientSampleId :
15017

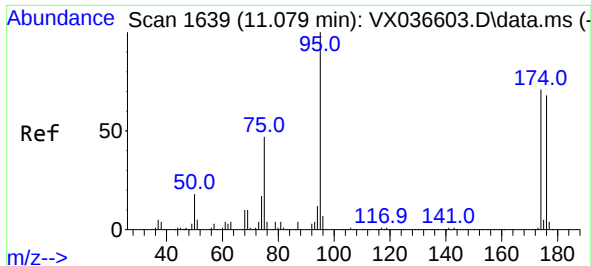
Tgt Ion: 92 Resp: 1848953
Ion Ratio Lower Upper
92 100
91 164.9 134.2 201.2



#59
2-Hexanone
Concen: 15.366 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 43 Resp: 27695
Ion Ratio Lower Upper
43 100
58 57.1 26.2 78.5

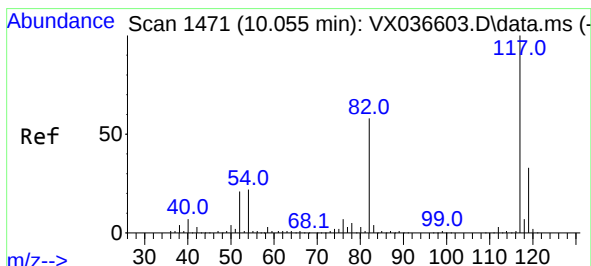
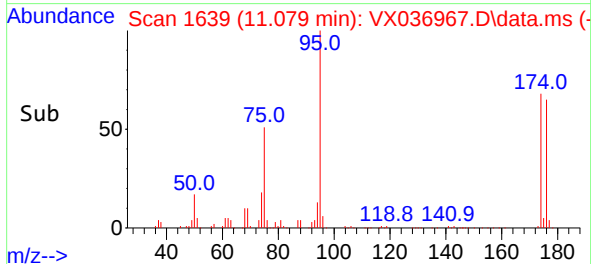
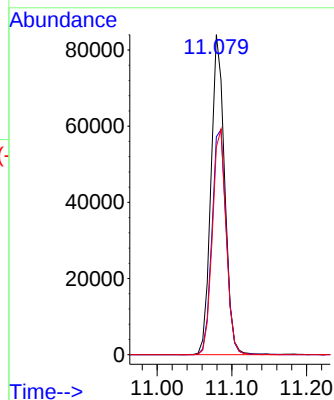
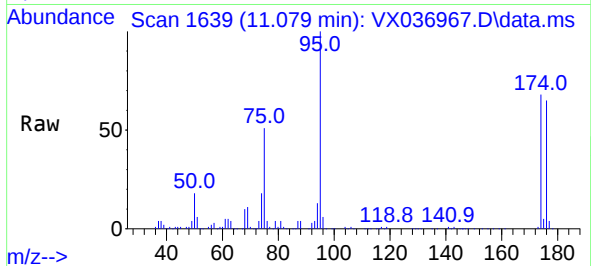




#62
4-Bromofluorobenzene
Concen: 52.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

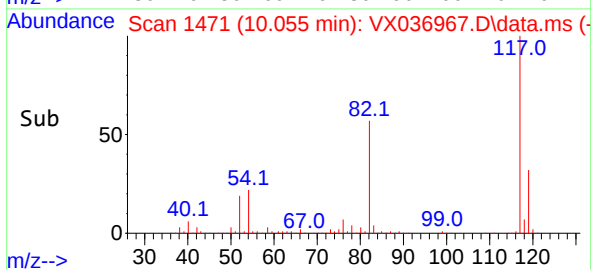
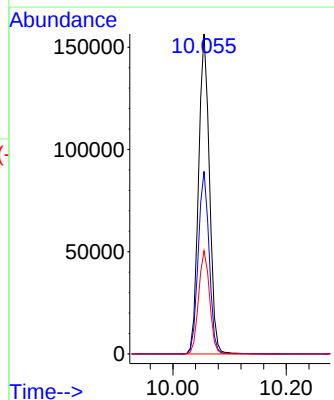
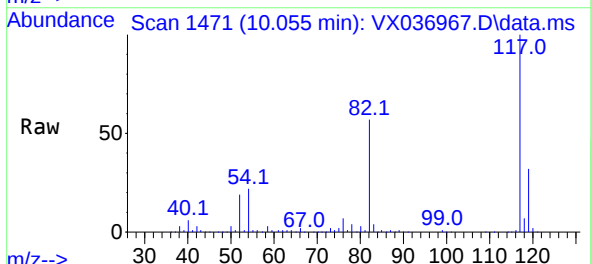
Instrument :
MSVOA_X
ClientSampleId :
15017

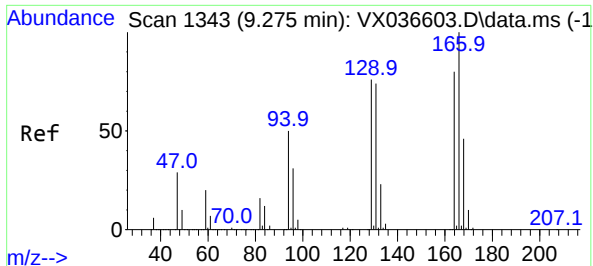
Tgt Ion: 95 Resp: 106615
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 70.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 117 Resp: 208734
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 32.2 25.5 38.3

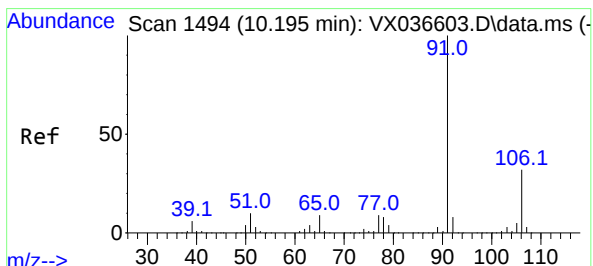
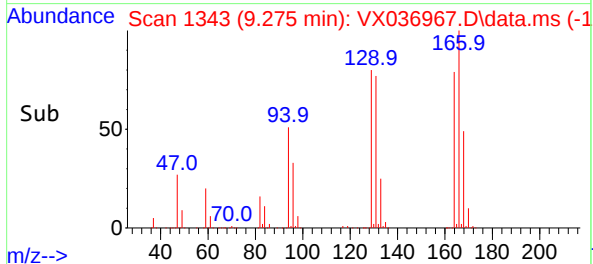
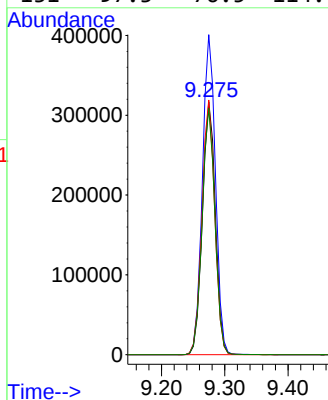
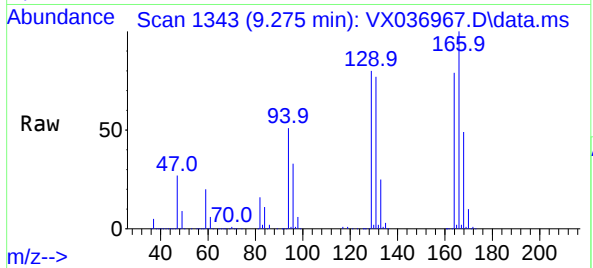




#64
Tetrachloroethene
Concen: 291.564 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

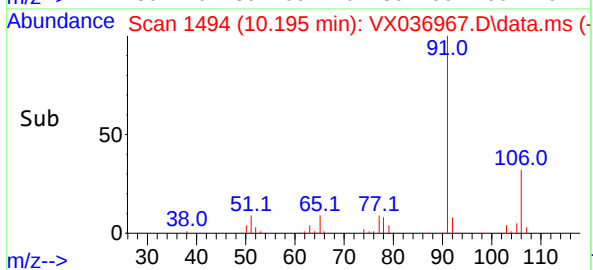
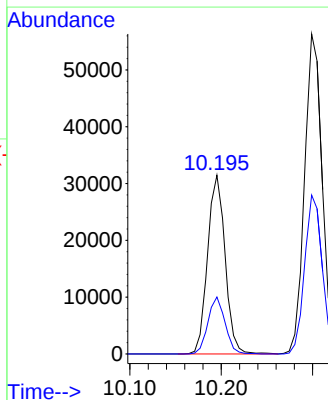
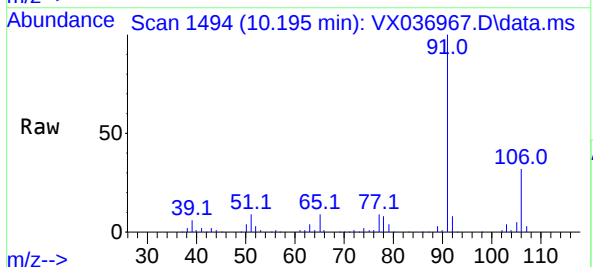
Instrument :
MSVOA_X
ClientSampleId :
15017

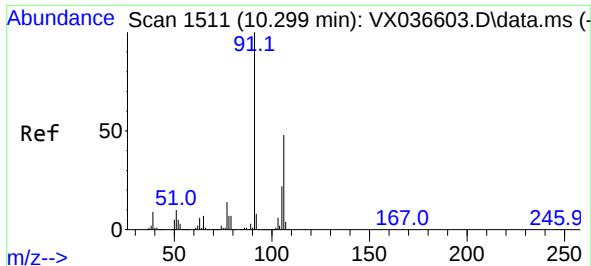
Tgt Ion:164 Resp: 453940
Ion Ratio Lower Upper
164 100
166 126.5 102.7 154.1
129 100.7 80.4 120.6
131 97.3 76.5 114.7



#67
Ethyl Benzene
Concen: 4.978 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 91 Resp: 41846
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

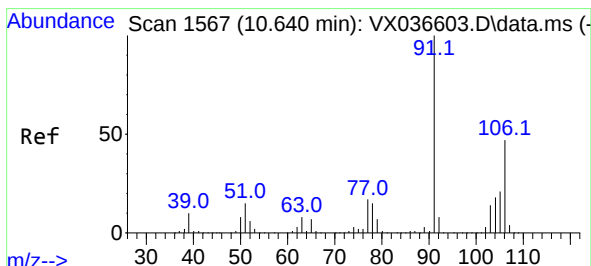
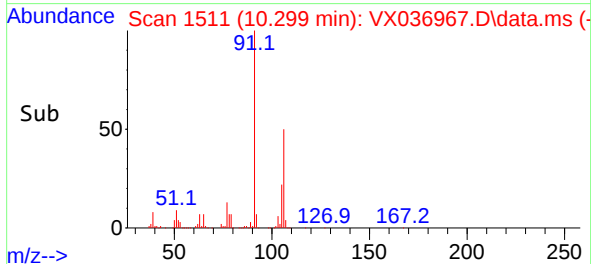
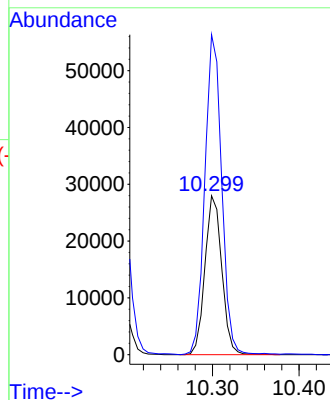
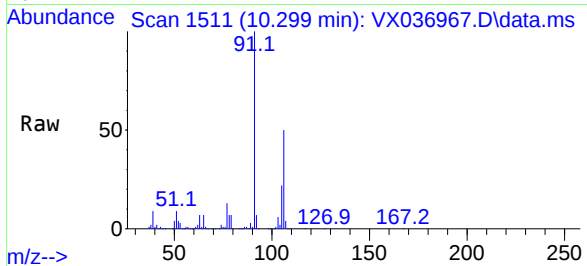




#68
m/p-Xylenes
Concen: 12.037 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

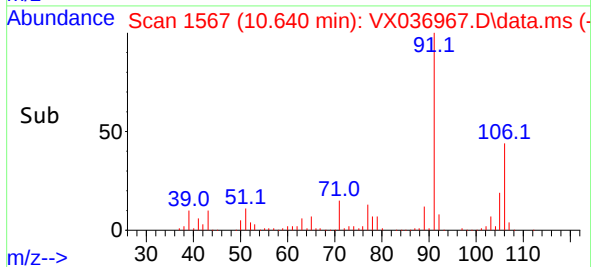
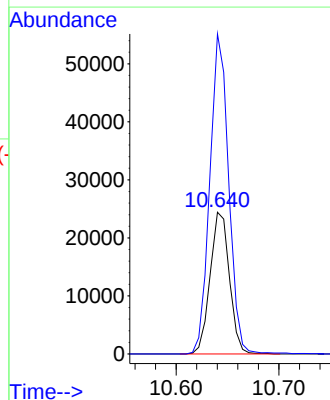
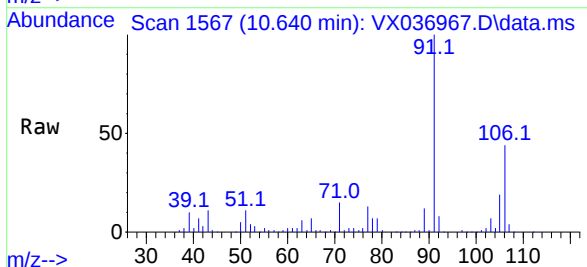
Instrument :
MSVOA_X
ClientSampleId :
15017

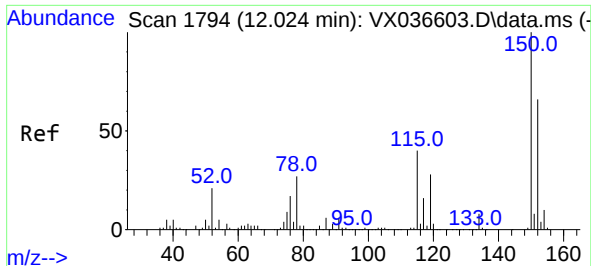
Tgt Ion:106 Resp: 37751
Ion Ratio Lower Upper
106 100
91 201.5 165.5 248.3



#69
o-Xylene
Concen: 10.178 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion:106 Resp: 31861
Ion Ratio Lower Upper
106 100
91 220.8 108.9 326.8

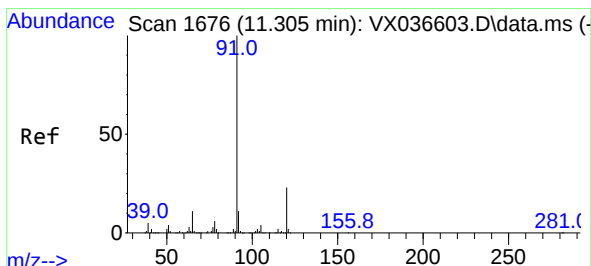
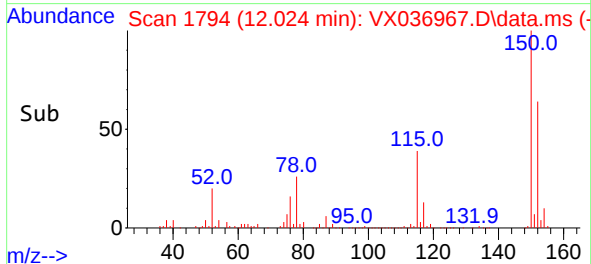
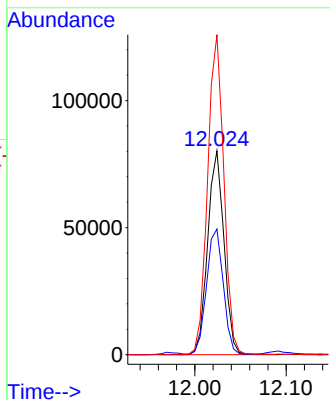
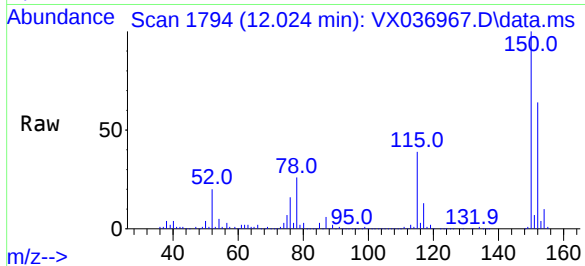




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

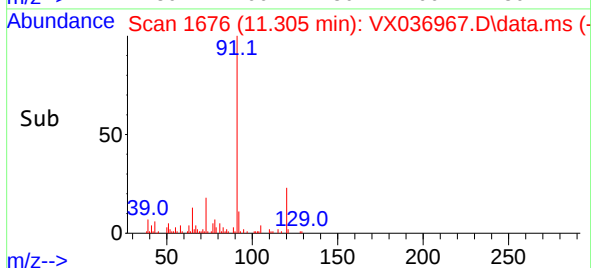
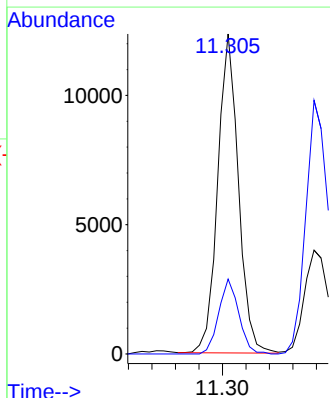
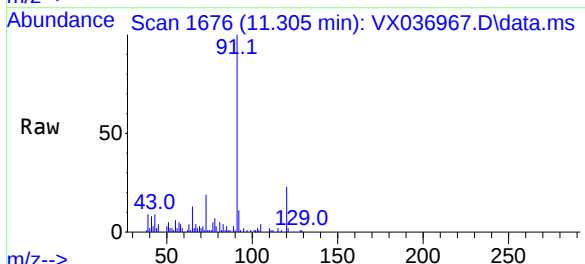
Instrument :
MSVOA_X
ClientSampleId :
15017

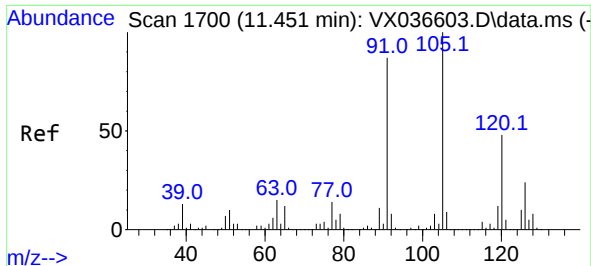
Tgt Ion:152 Resp: 99619
Ion Ratio Lower Upper
152 100
115 62.9 43.3 129.9
150 156.0 0.0 345.0



#78
n-propylbenzene
Concen: 1.582 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion: 91 Resp: 15085
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.4

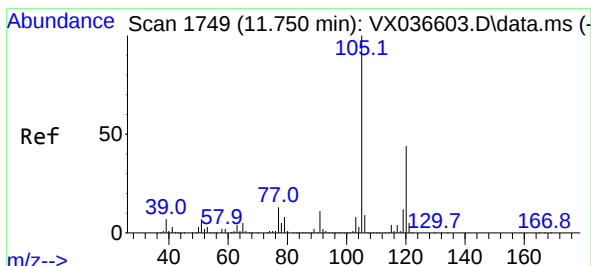
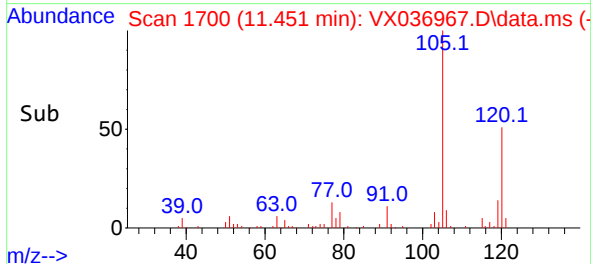
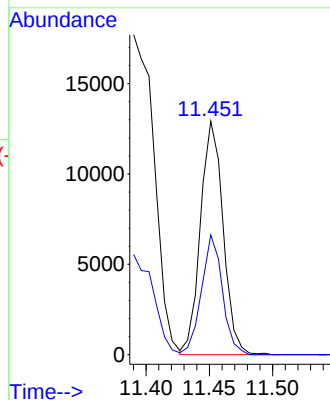
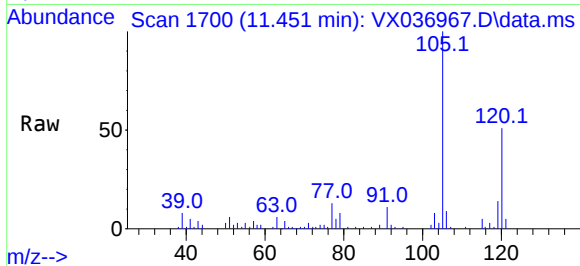




#80
1,3,5-Trimethylbenzene
Concen: 2.343 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

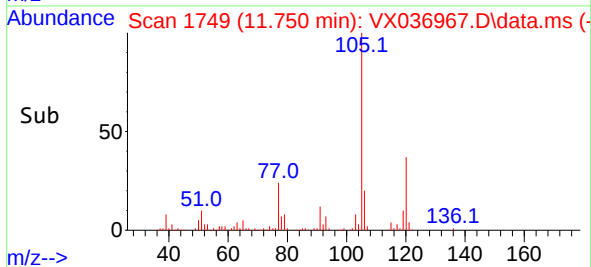
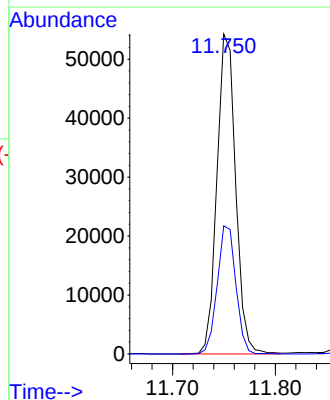
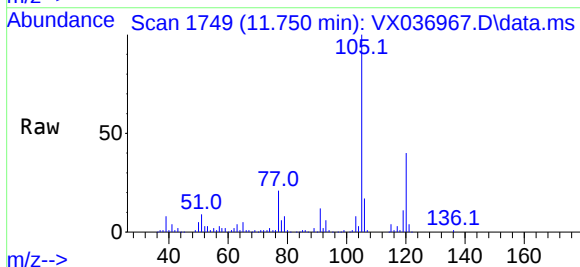
Instrument :
MSVOA_X
ClientSampleId :
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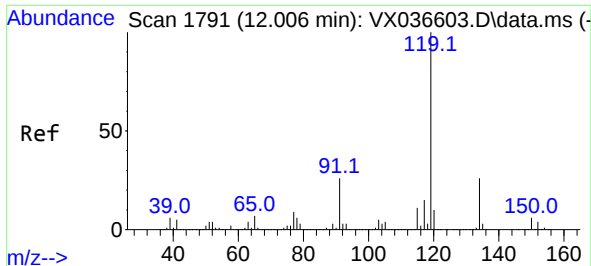
Tgt Ion:105 Resp: 16158
Ion Ratio Lower Upper
105 100
120 47.3 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 9.918 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Tgt Ion:105 Resp: 68411
Ion Ratio Lower Upper
105 100
120 39.9 21.2 63.6





#86
p-Isopropyltoluene
Concen: 2.019 ug/l
RT: 12.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX036967.D
Acq: 14 Aug 2023 16:12

Instrument :
MSVOA_X
ClientSampleId :
15017

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.9	12.8	38.3
91	24.2	13.1	39.3

