

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037539.D
 Acq On : 06 Sep 2023 07:59
 Operator : JC/MD
 Sample : 04285-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 831

Quant Time: Sep 06 08:29:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

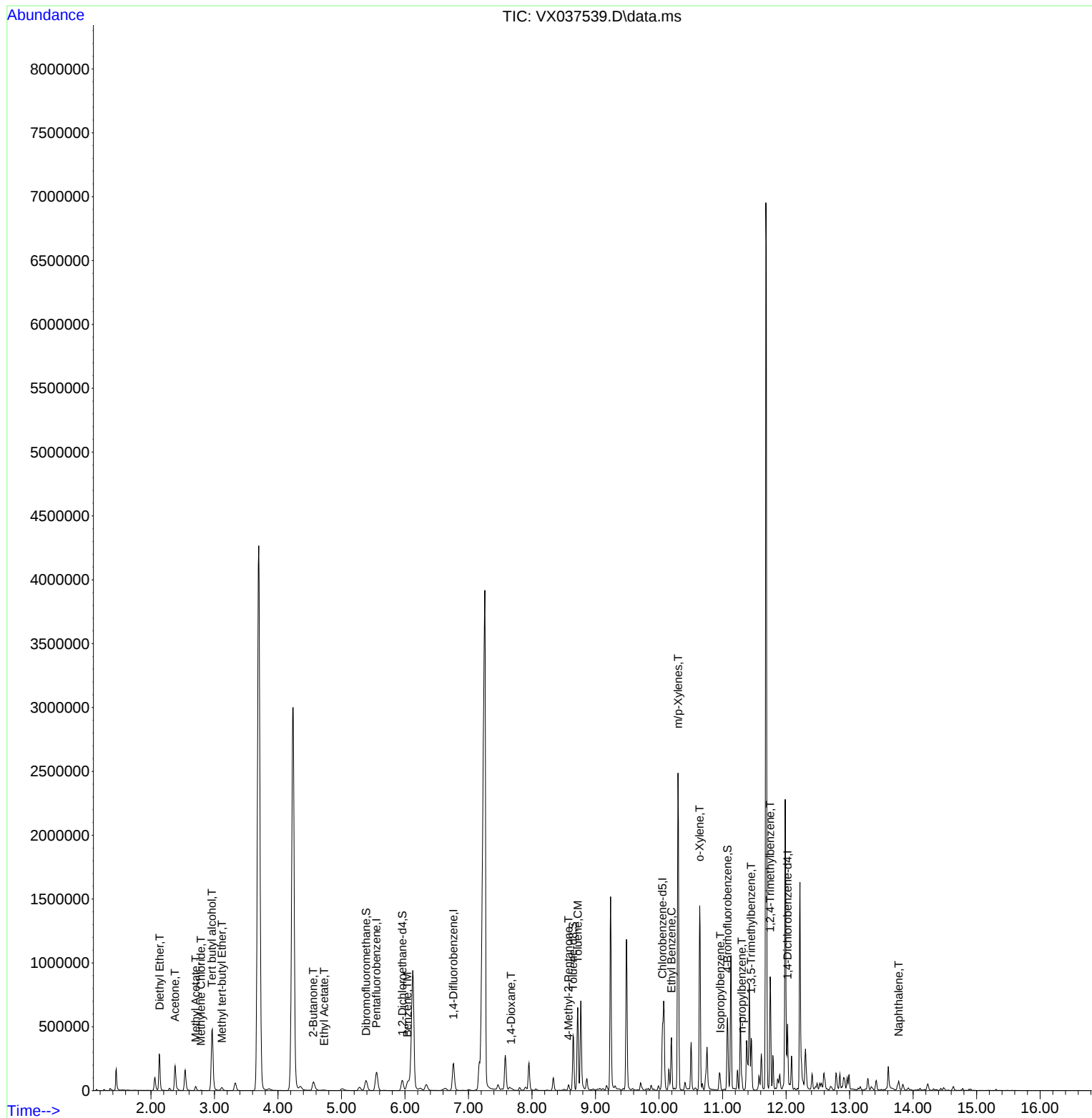
Internal Standards						
1) Pentafluorobenzene	5.550	168	138528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79294	39.704	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.400%
35) Dibromofluoromethane	5.385	113	71123	47.062	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.120%
50) Toluene-d8	8.647	98	269691	49.196	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.400%
62) 4-Bromofluorobenzene	11.079	95	111869	51.928	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.860%
Target Compounds						
						Qvalue
8) Diethyl Ether	2.136	74	108436	111.658	ug/l	78
11) Tert butyl alcohol	2.959	59	147971	315.853	ug/l #	85
16) Acetone	2.380	43	197600	252.913	ug/l #	86
18) Methyl Acetate	2.703	43	35982	12.232	ug/l #	87
19) Methyl tert-butyl Ether	3.117	73	26007	4.809	ug/l	95
20) Methylene Chloride	2.788	84	1974	1.130	ug/l #	81
25) 2-Butanone	4.556	43	104135	88.520	ug/l #	84
37) Ethyl Acetate	4.727	43	5710	2.603	ug/l #	91
40) Benzene	6.037	78	78124	12.687	ug/l	96
49) 1,4-Dioxane	7.671	88	6507	142.280	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	24458	11.567	ug/l	87
52) Toluene	8.720	92	252733	62.118	ug/l	100
67) Ethyl Benzene	10.195	91	236442	30.472	ug/l	97
68) m/p-Xylenes	10.299	106	599060	199.925	ug/l	95
69) o-Xylene	10.640	106	328139	110.996	ug/l	96
73) Isopropylbenzene	10.963	105	31905	4.472	ug/l	96
78) n-propylbenzene	11.305	91	45335	5.707	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	132090	22.197	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	393022	65.351	ug/l	97
95) Naphthalene	13.774	128	40926	4.999	ug/l	99

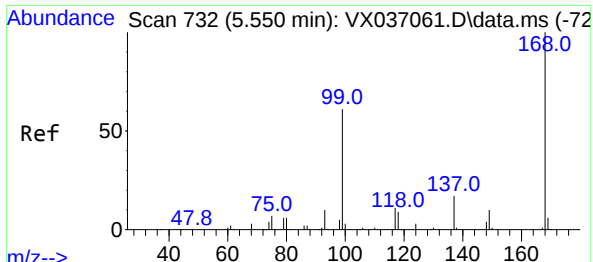
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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831

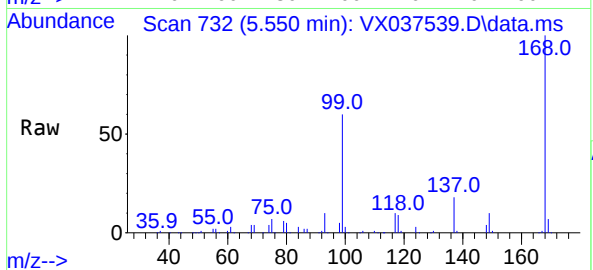
Quant Time: Sep 06 08:29:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



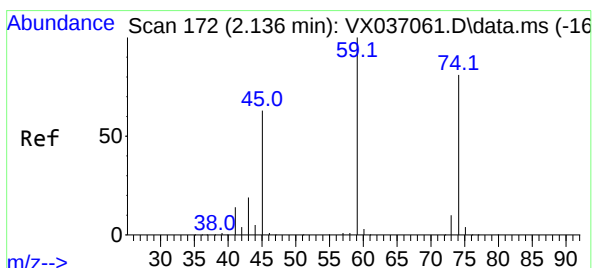
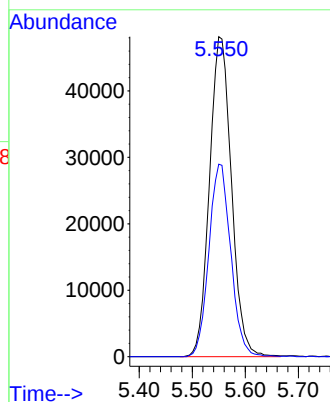
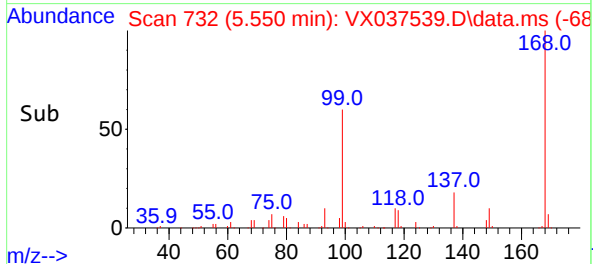


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Instrument :
MSVOA_X
ClientSampleId :
831

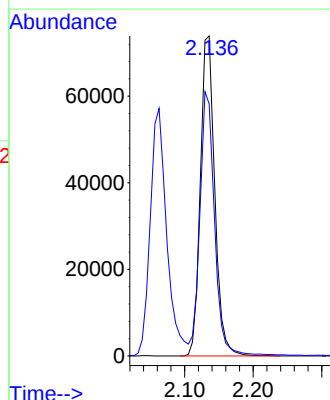
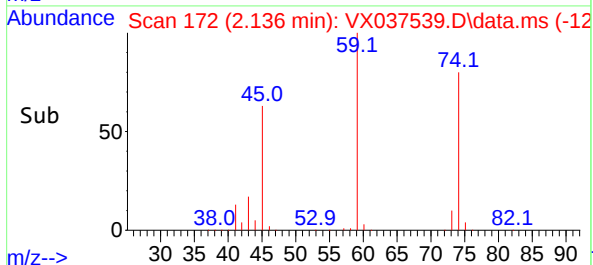
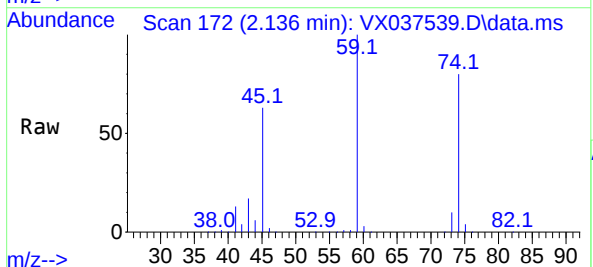


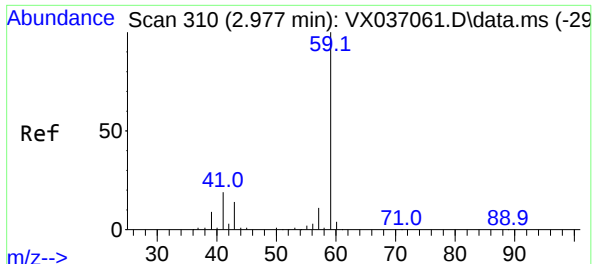
Tgt Ion:168 Resp: 138528
Ion Ratio Lower Upper
168 100
99 60.2 56.6 85.0



#8
Diethyl Ether
Concen: 111.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 74 Resp: 108436
Ion Ratio Lower Upper
74 100
45 83.8 53.3 159.8





#11

Tert butyl alcohol

Concen: 315.853 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX037539.D

Acq: 06 Sep 2023 07:59

Instrument :

MSVOA_X

ClientSampleId :

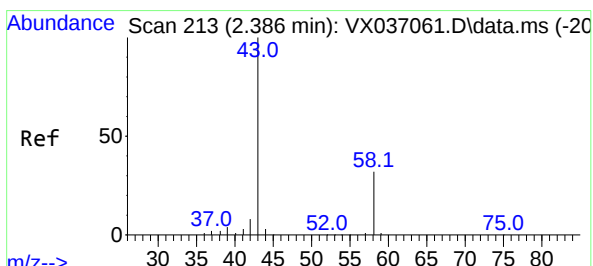
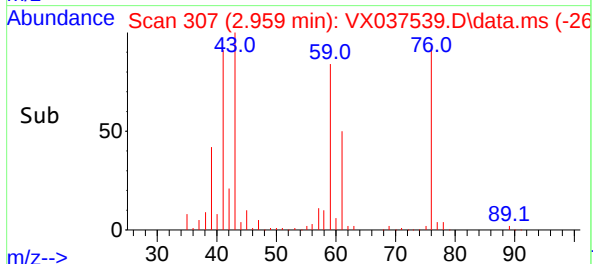
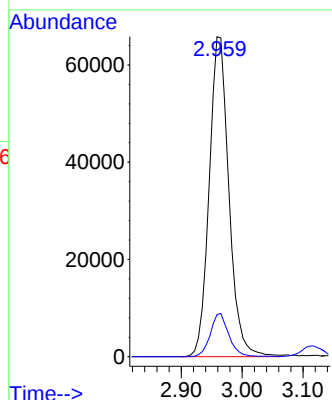
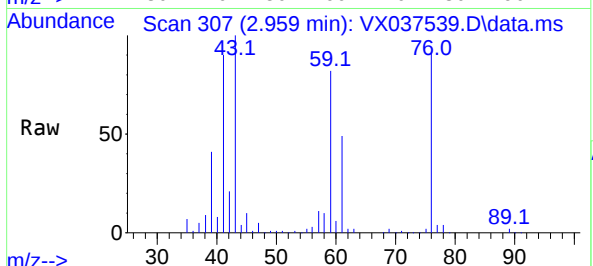
831

Tgt Ion: 59 Resp: 147971

Ion Ratio Lower Upper

59 100

57 12.7 6.0 9.0#



#16

Acetone

Concen: 252.913 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037539.D

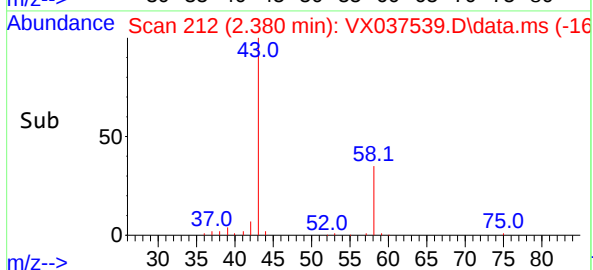
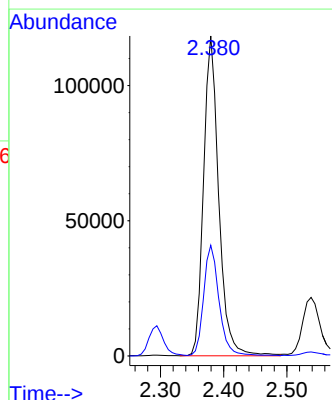
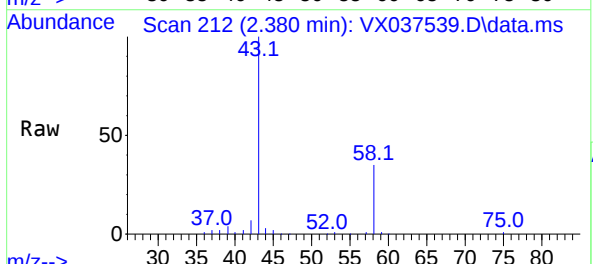
Acq: 06 Sep 2023 07:59

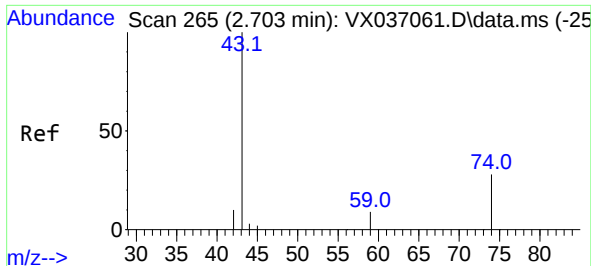
Tgt Ion: 43 Resp: 197600

Ion Ratio Lower Upper

43 100

58 34.5 21.9 32.9#

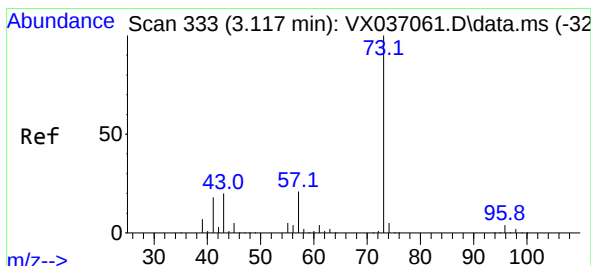
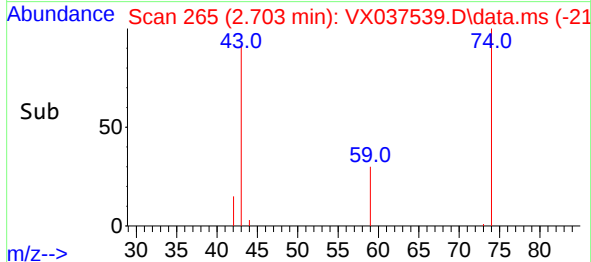
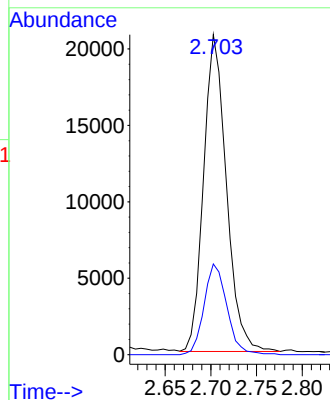
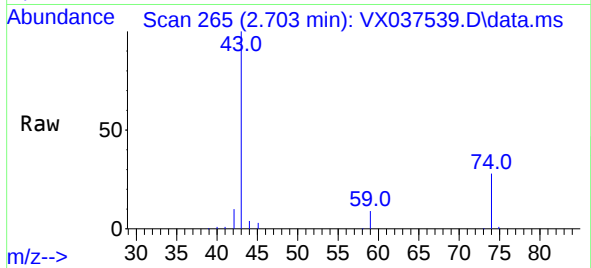




#18
Methyl Acetate
Concen: 12.232 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

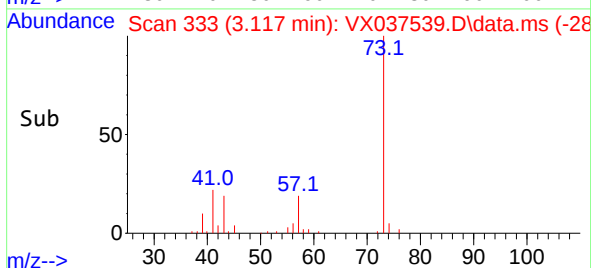
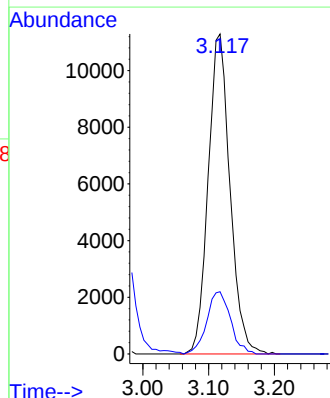
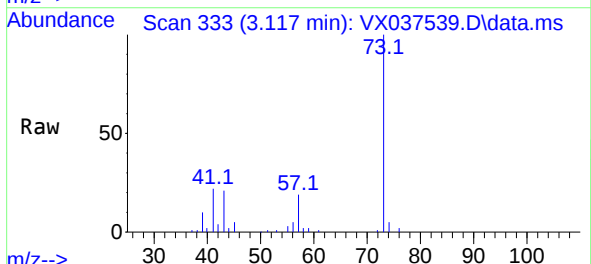
Instrument :
MSVOA_X
ClientSampleId :
831

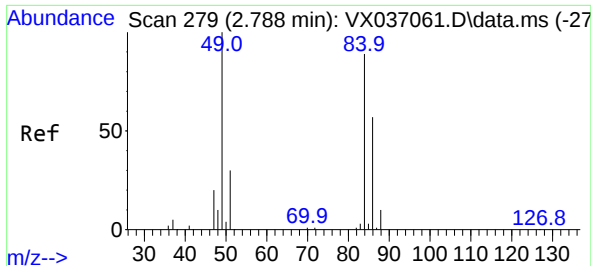
Tgt Ion: 43 Resp: 35982
Ion Ratio Lower Upper
43 100
74 28.6 17.8 26.8#



#19
Methyl tert-butyl Ether
Concen: 4.809 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 73 Resp: 26007
Ion Ratio Lower Upper
73 100
57 19.5 17.3 25.9



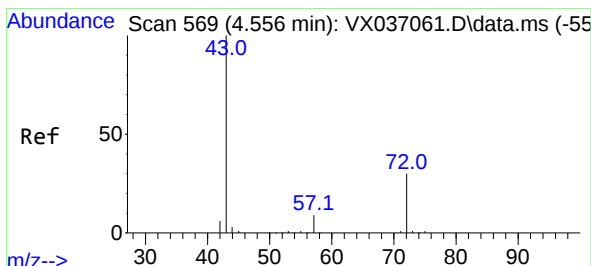
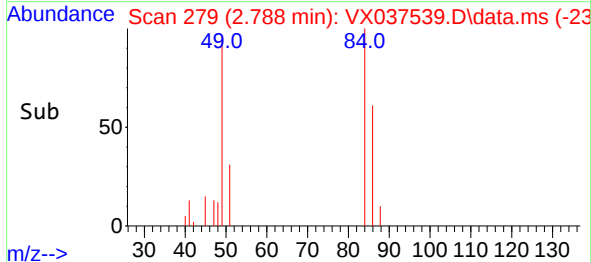
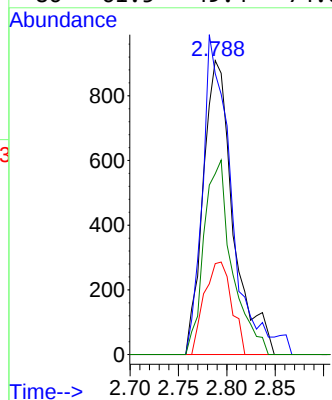
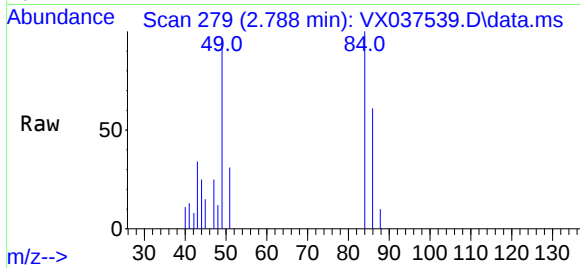


#20
Methylene Chloride
Concen: 1.130 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Instrument :
MSVOA_X
ClientSampleId :
831

Tgt Ion: 84 Resp: 1974

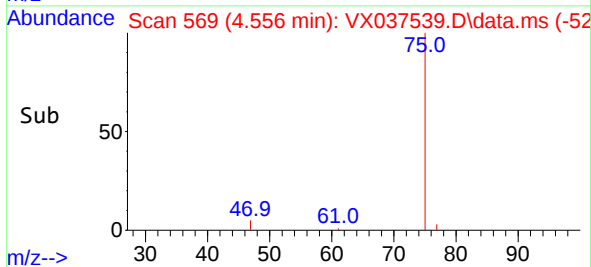
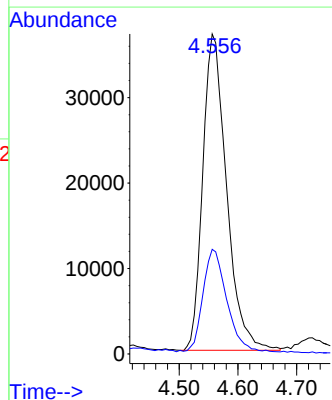
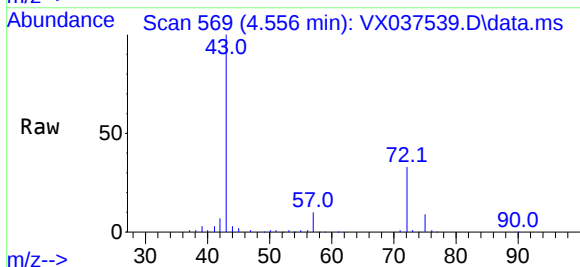
Ion	Ratio	Lower	Upper
84	100		
49	95.6	103.6	155.4#
51	30.9	33.8	50.6#
86	61.5	49.4	74.0

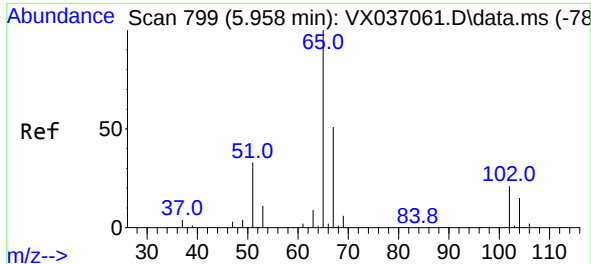


#25
2-Butanone
Concen: 88.520 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 43 Resp: 104135

Ion	Ratio	Lower	Upper
43	100		
72	32.4	19.4	29.2#

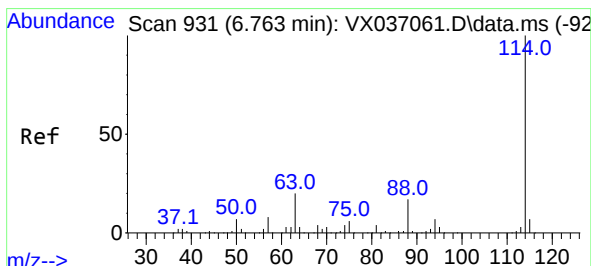
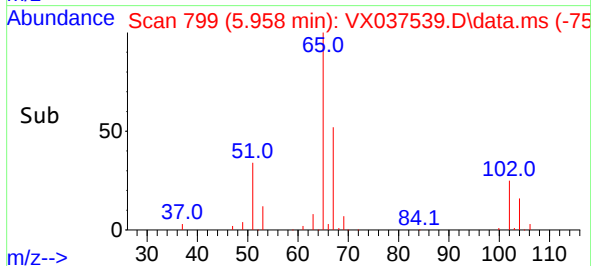
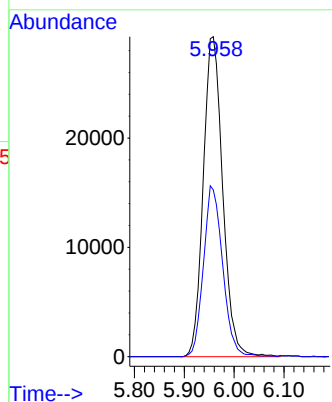
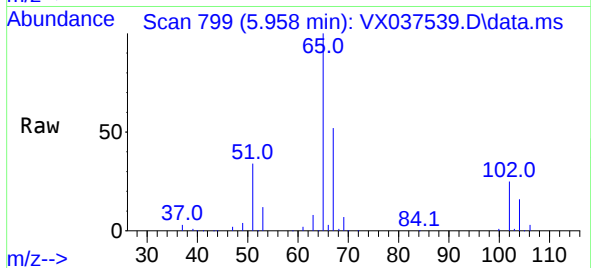




#33
1,2-Dichloroethane-d4
Concen: 39.704 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

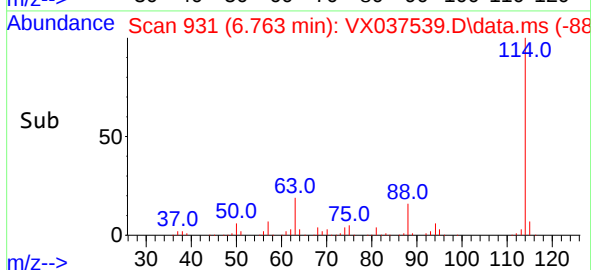
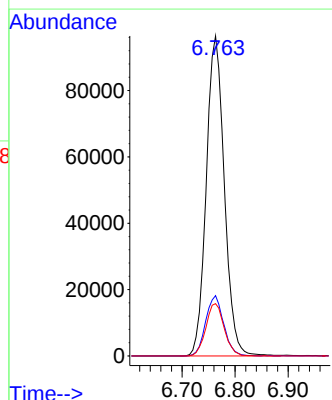
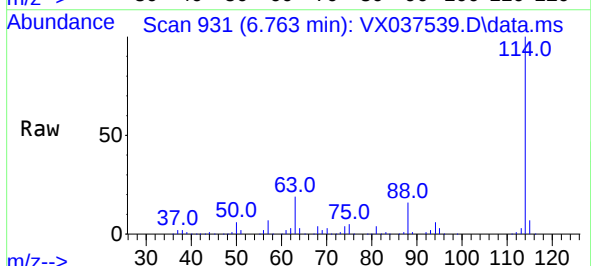
Instrument :
MSVOA_X
ClientSampleId :
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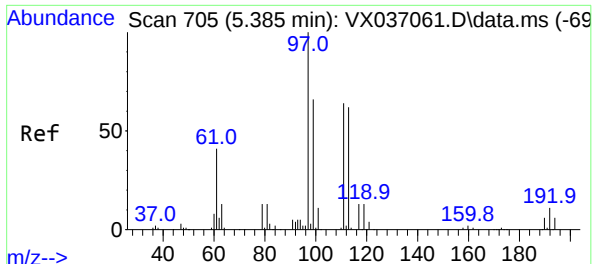
Tgt Ion: 65 Resp: 79294
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

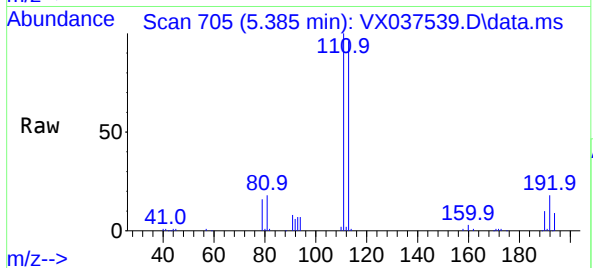
Tgt Ion: 114 Resp: 228192
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 16.4 0.0 36.6





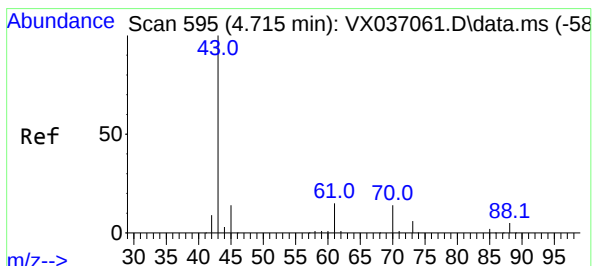
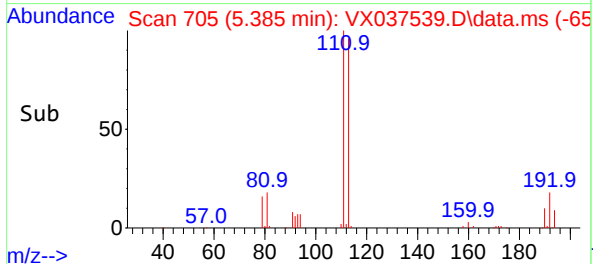
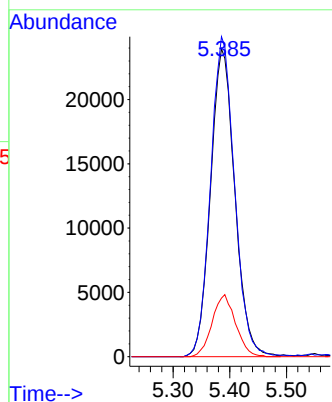
#35
Dibromofluoromethane
Concen: 47.062 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Instrument :
MSVOA_X
ClientSampleId :
831



Tgt Ion:113 Resp: 71123

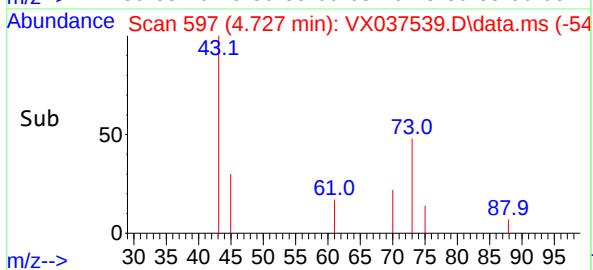
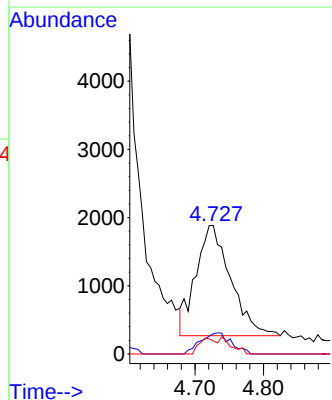
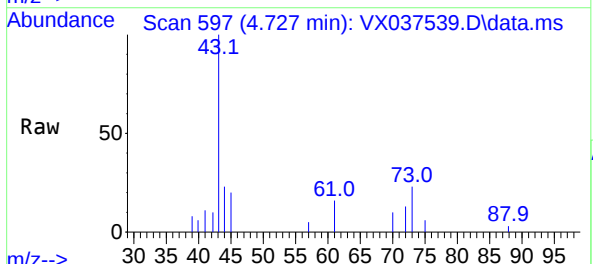
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	19.4	13.3	19.9

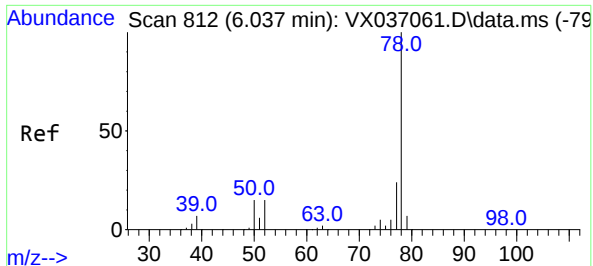


#37
Ethyl Acetate
Concen: 2.603 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 43 Resp: 5710

Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.6	16.0#
70	7.0	8.3	12.5#

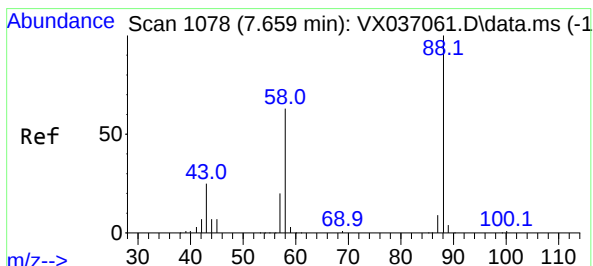
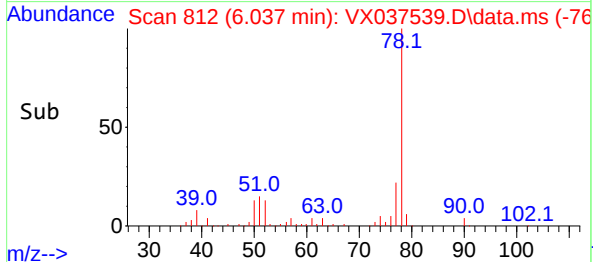
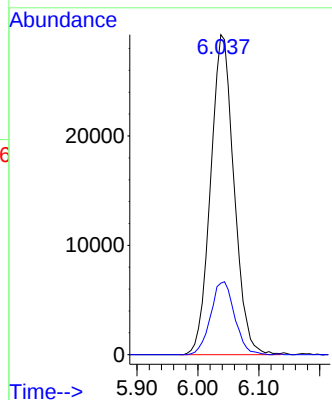
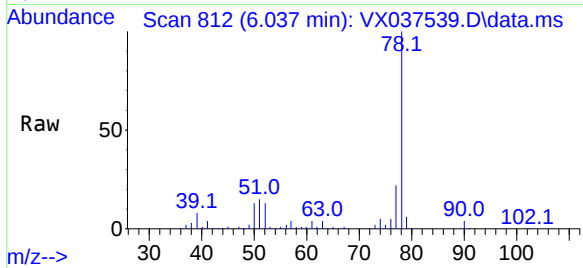




#40
Benzene
Concen: 12.687 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

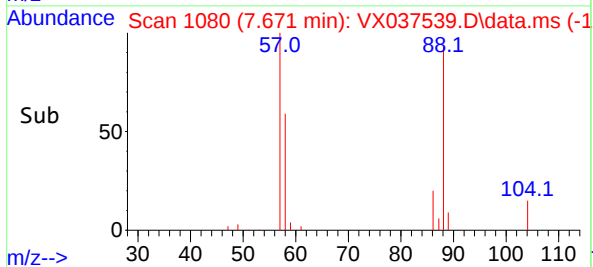
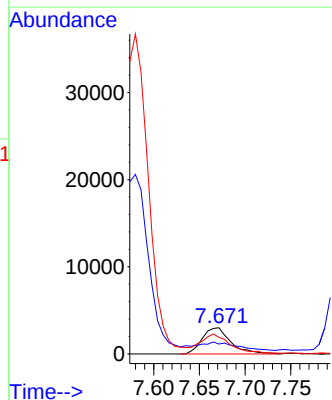
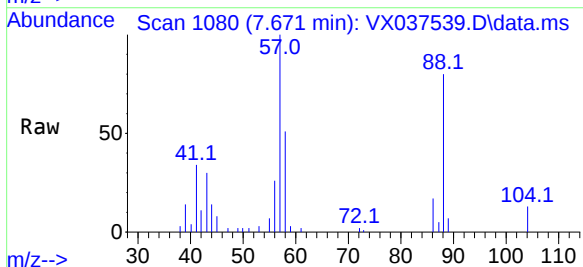
Instrument :
MSVOA_X
ClientSampleId :
831

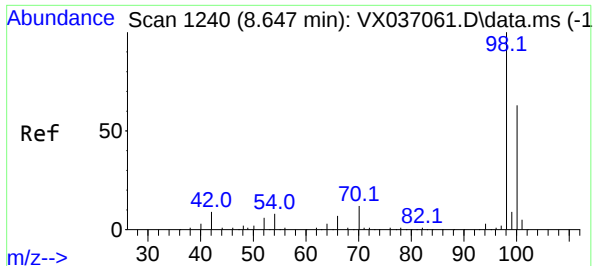
Tgt Ion: 78 Resp: 78124
Ion Ratio Lower Upper
78 100
77 22.3 19.3 28.9



#49
1,4-Dioxane
Concen: 142.280 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 88 Resp: 6507
Ion Ratio Lower Upper
88 100
43 39.0 0.0 0.0#
58 77.4 60.1 90.1

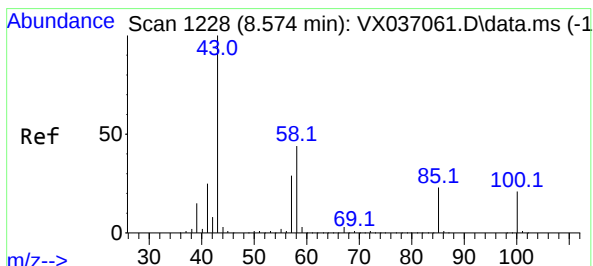
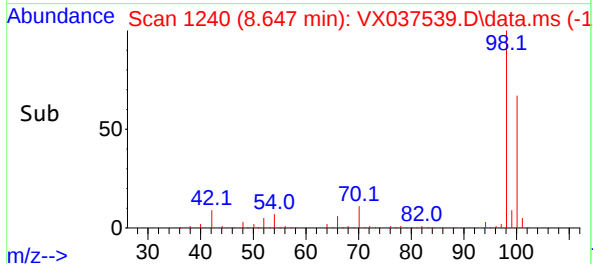
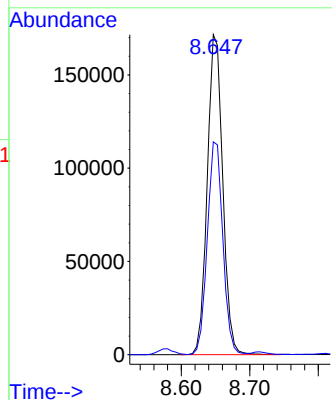
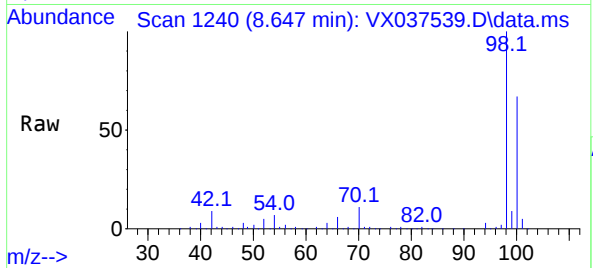




#50
Toluene-d8
Concen: 49.196 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

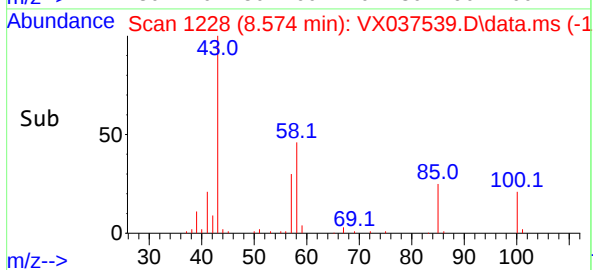
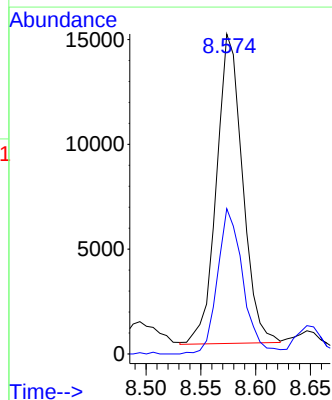
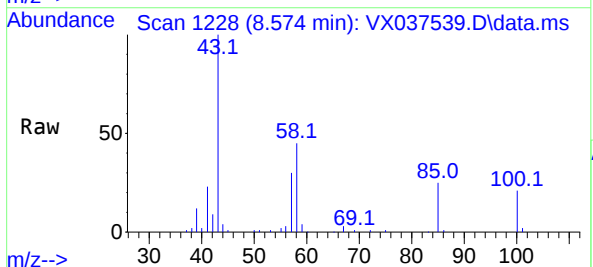
Instrument :
MSVOA_X
ClientSampleId :
831

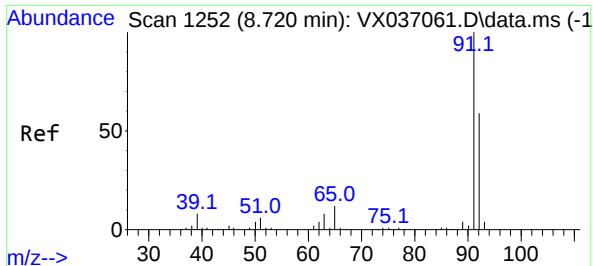
Tgt Ion: 98 Resp: 269691
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 11.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 43 Resp: 24458
Ion Ratio Lower Upper
43 100
58 45.6 30.4 45.6

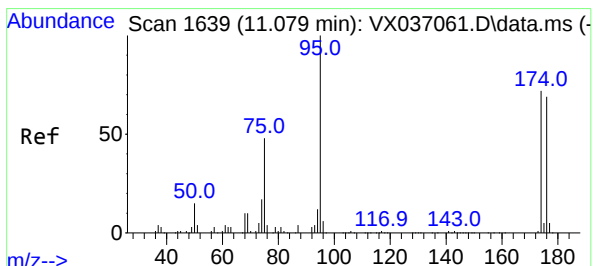
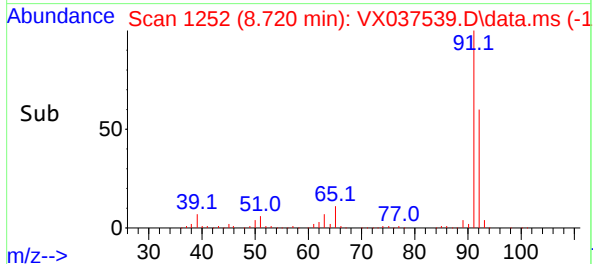
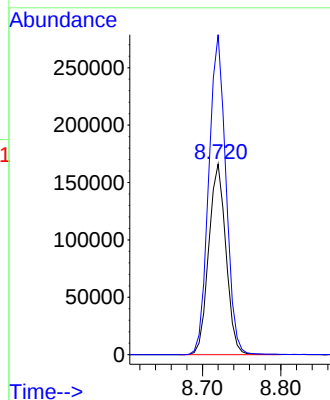
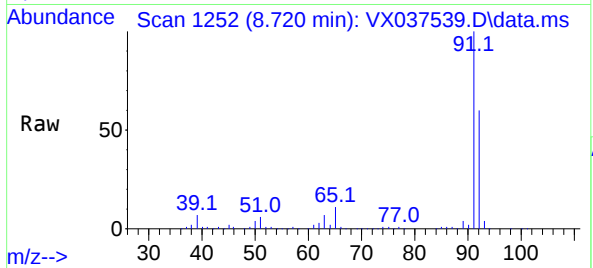




#52
Toluene
Concen: 62.118 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

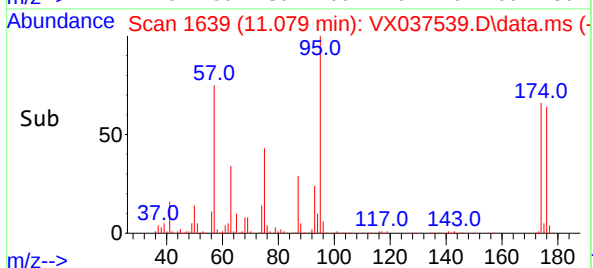
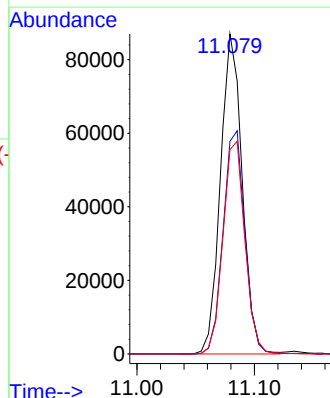
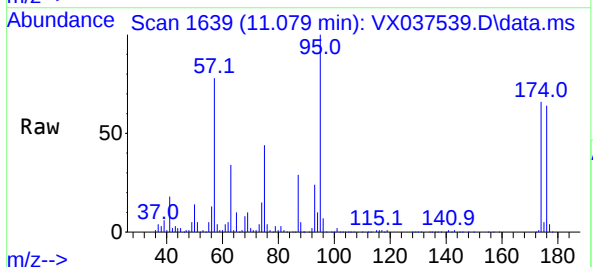
Instrument :
MSVOA_X
ClientSampleId :
831

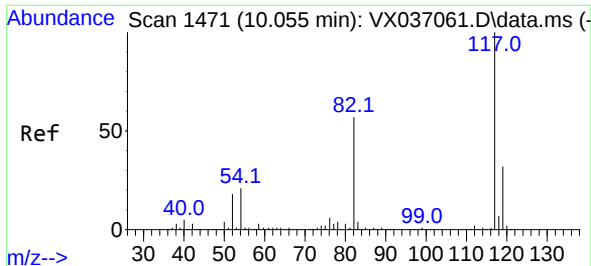
Tgt Ion: 92 Resp: 252733
Ion Ratio Lower Upper
92 100
91 167.7 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 51.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 95 Resp: 111869
Ion Ratio Lower Upper
95 100
174 69.7 0.0 135.6
176 66.8 0.0 131.0

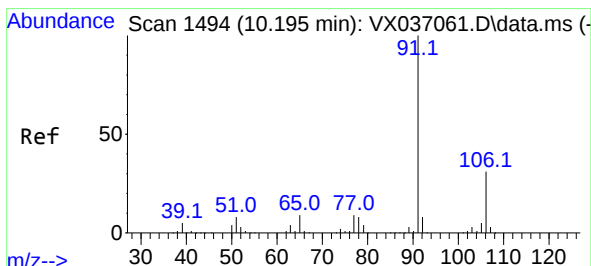
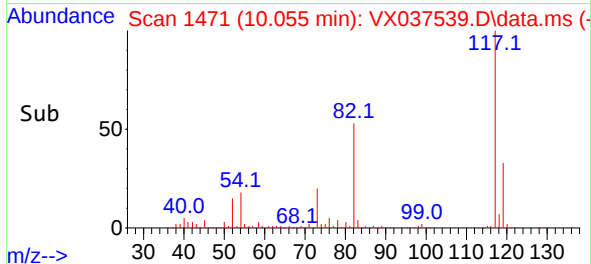
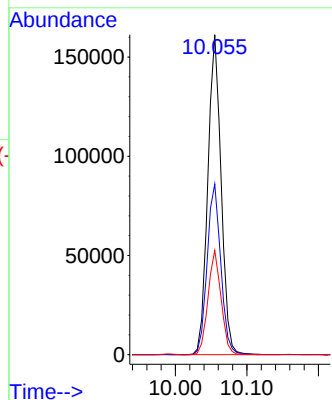
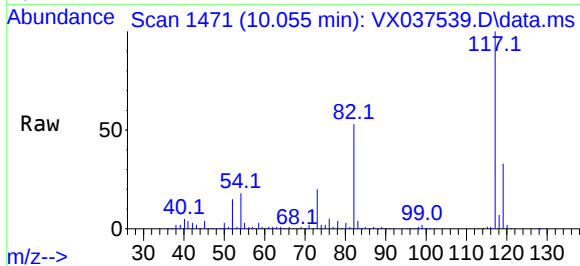




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

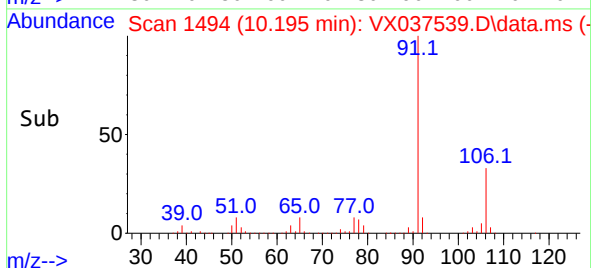
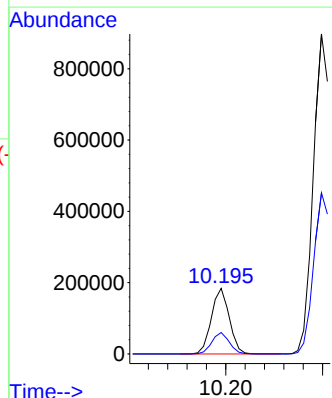
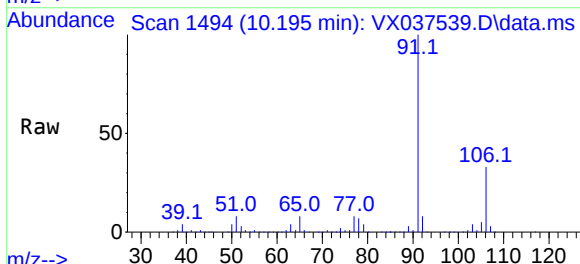
Instrument :
MSVOA_X
ClientSampleId :
831

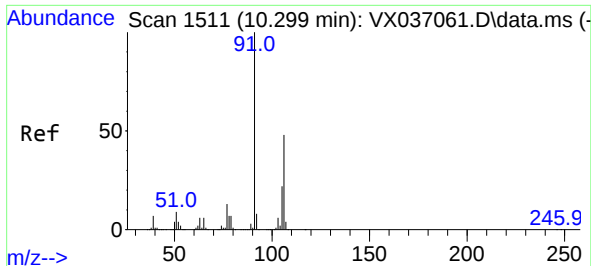
Tgt Ion:117 Resp: 208637
Ion Ratio Lower Upper
117 100
82 53.4 46.2 69.4
119 32.6 25.5 38.3



#67
Ethyl Benzene
Concen: 30.472 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 91 Resp: 236442
Ion Ratio Lower Upper
91 100
106 32.6 24.9 37.3

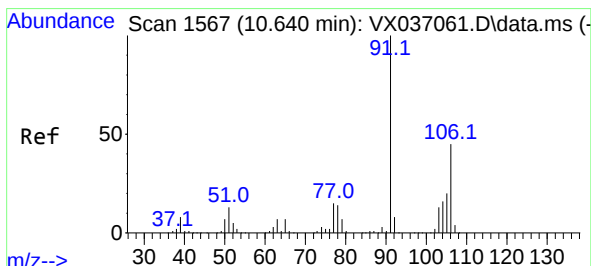
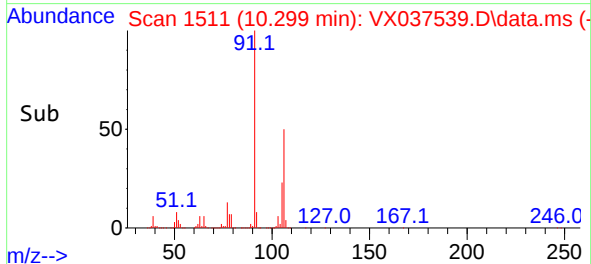
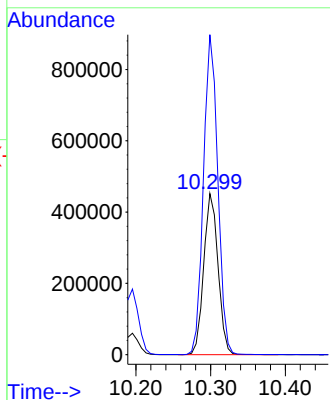
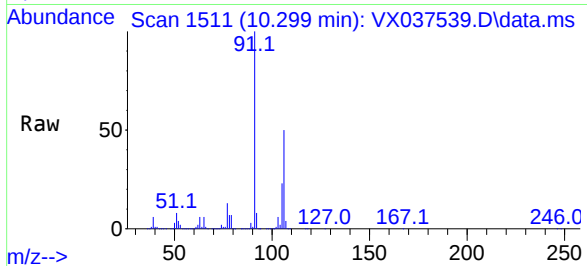




#68
m/p-Xylenes
Concen: 199.925 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

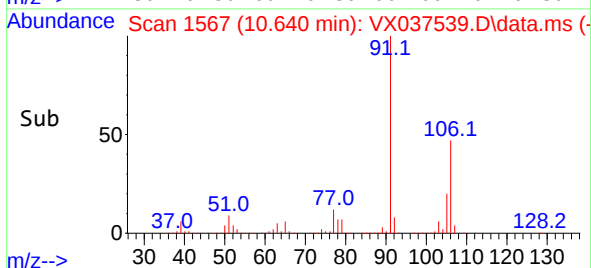
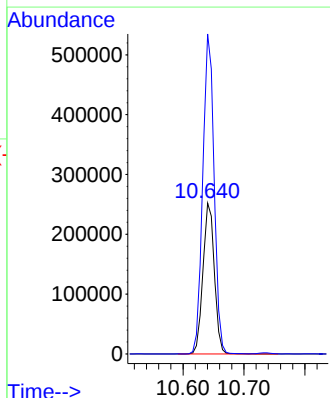
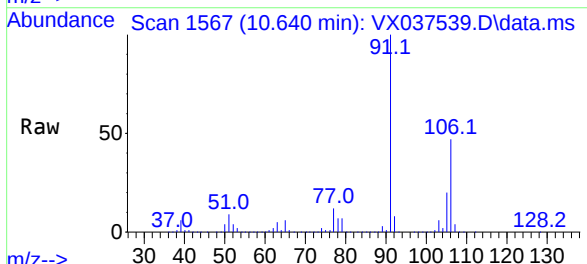
Instrument :
MSVOA_X
ClientSampleId :
831

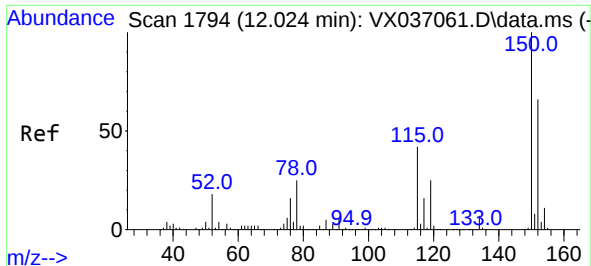
Tgt Ion:106 Resp: 599060
Ion Ratio Lower Upper
106 100
91 199.1 165.5 248.3



#69
o-Xylene
Concen: 110.996 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion:106 Resp: 328139
Ion Ratio Lower Upper
106 100
91 211.3 108.9 326.8

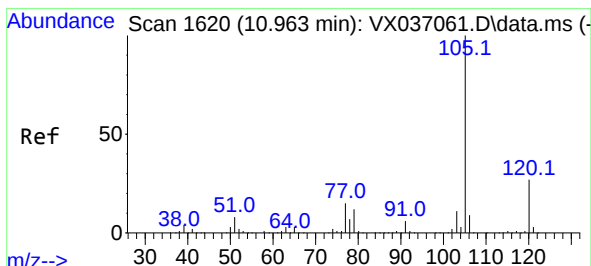
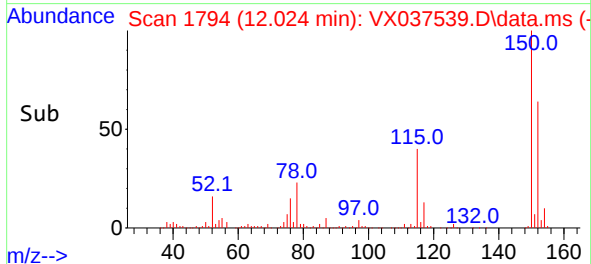
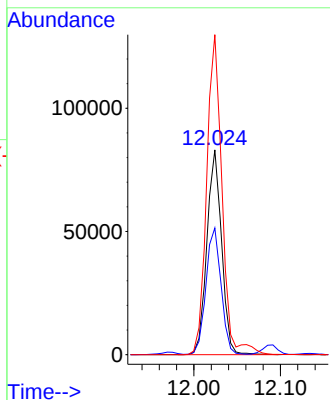
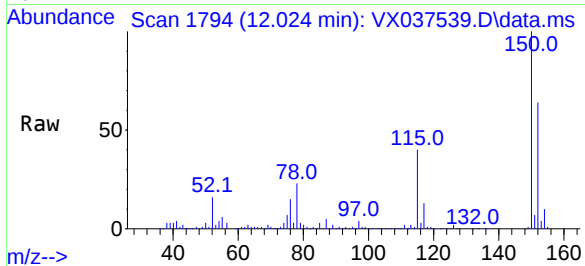




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

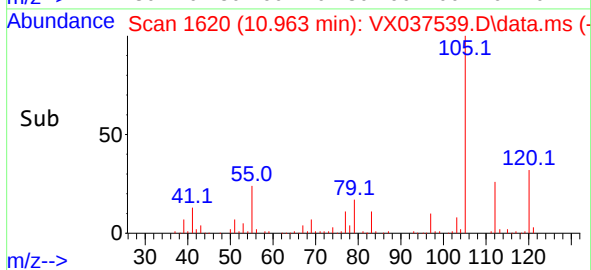
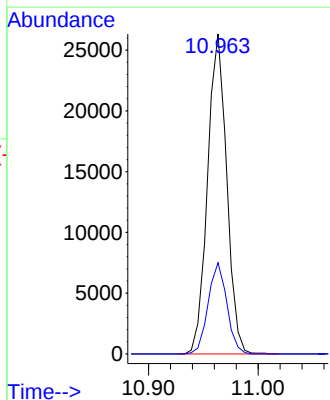
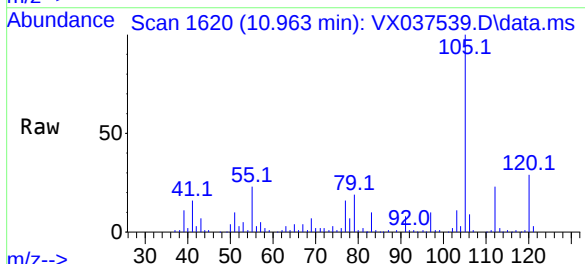
Instrument :
MSVOA_X
ClientSampleId :
831

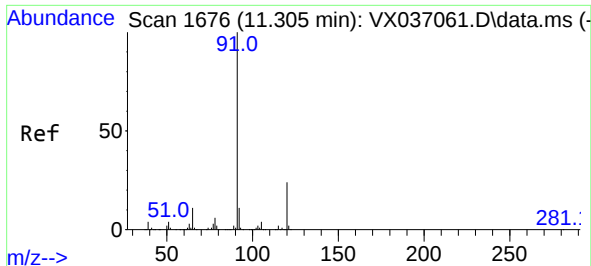
Tgt Ion:152 Resp: 98144
Ion Ratio Lower Upper
152 100
115 63.1 43.3 129.9
150 162.9 0.0 345.0



#73
Isopropylbenzene
Concen: 4.472 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion:105 Resp: 31905
Ion Ratio Lower Upper
105 100
120 27.8 12.9 38.6

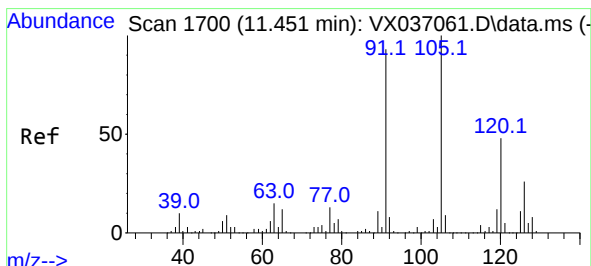
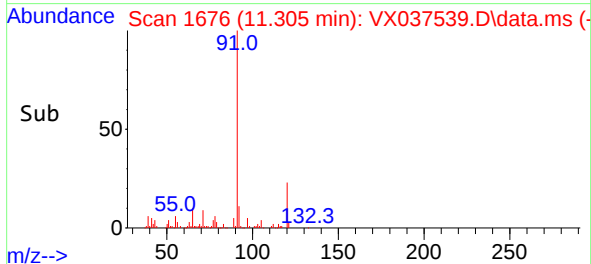
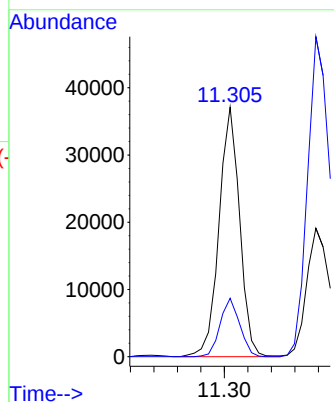
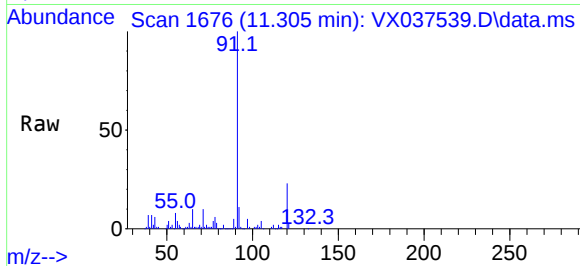




#78
n-propylbenzene
Concen: 5.707 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

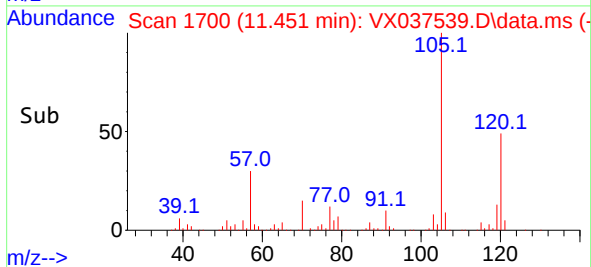
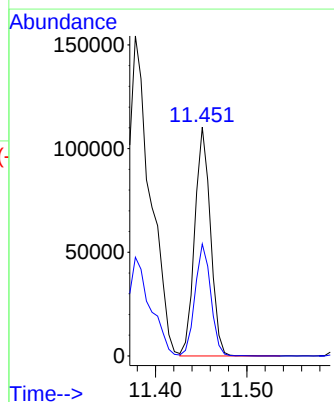
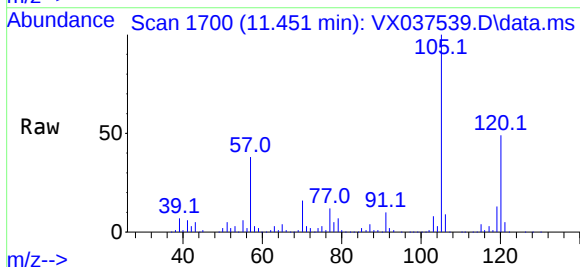
Instrument :
MSVOA_X
ClientSampleId :
831

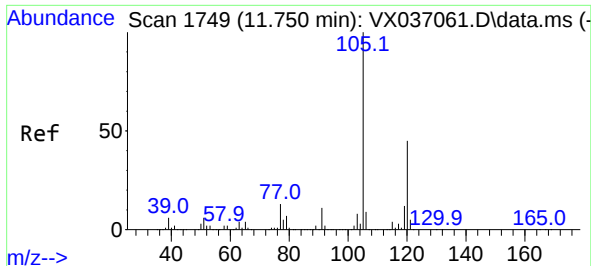
Tgt Ion: 91 Resp: 45335
Ion Ratio Lower Upper
91 100
120 22.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 22.197 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion: 105 Resp: 132090
Ion Ratio Lower Upper
105 100
120 49.0 24.1 72.3

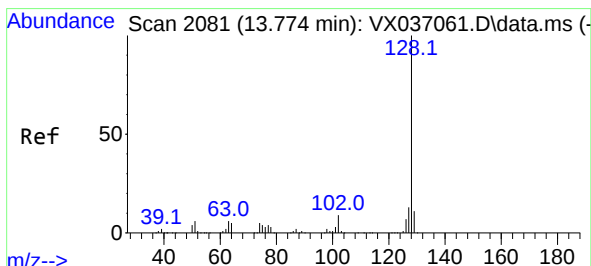
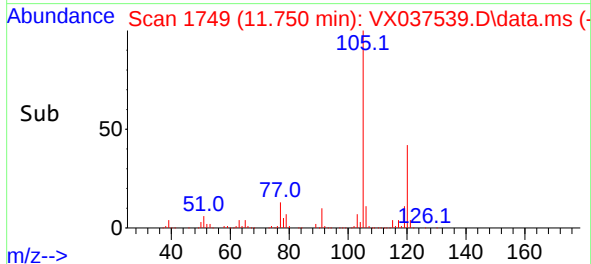
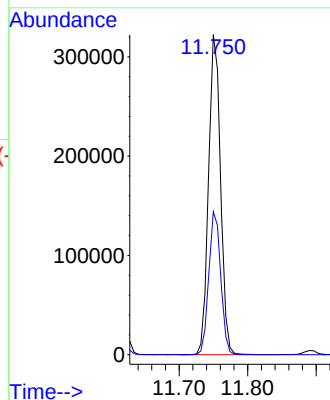
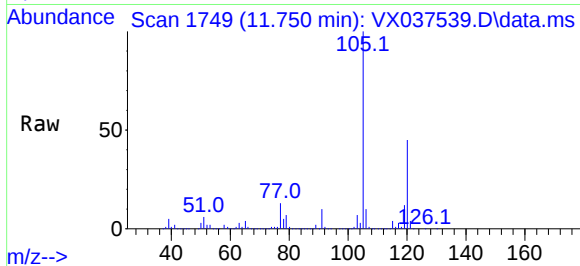




#84
1,2,4-Trimethylbenzene
Concen: 65.351 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Instrument :
MSVOA_X
ClientSampleId :
831

Tgt Ion:105 Resp: 393022
Ion Ratio Lower Upper
105 100
120 44.6 21.2 63.6



#95
Naphthalene
Concen: 4.999 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX037539.D
Acq: 06 Sep 2023 07:59

Tgt Ion:128 Resp: 40926
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.3 8.8 13.2

