

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037522.D
 Acq On : 05 Sep 2023 19:14
 Operator : JC/MD
 Sample : 04273-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1815

Quant Time: Sep 06 02:59:02 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)

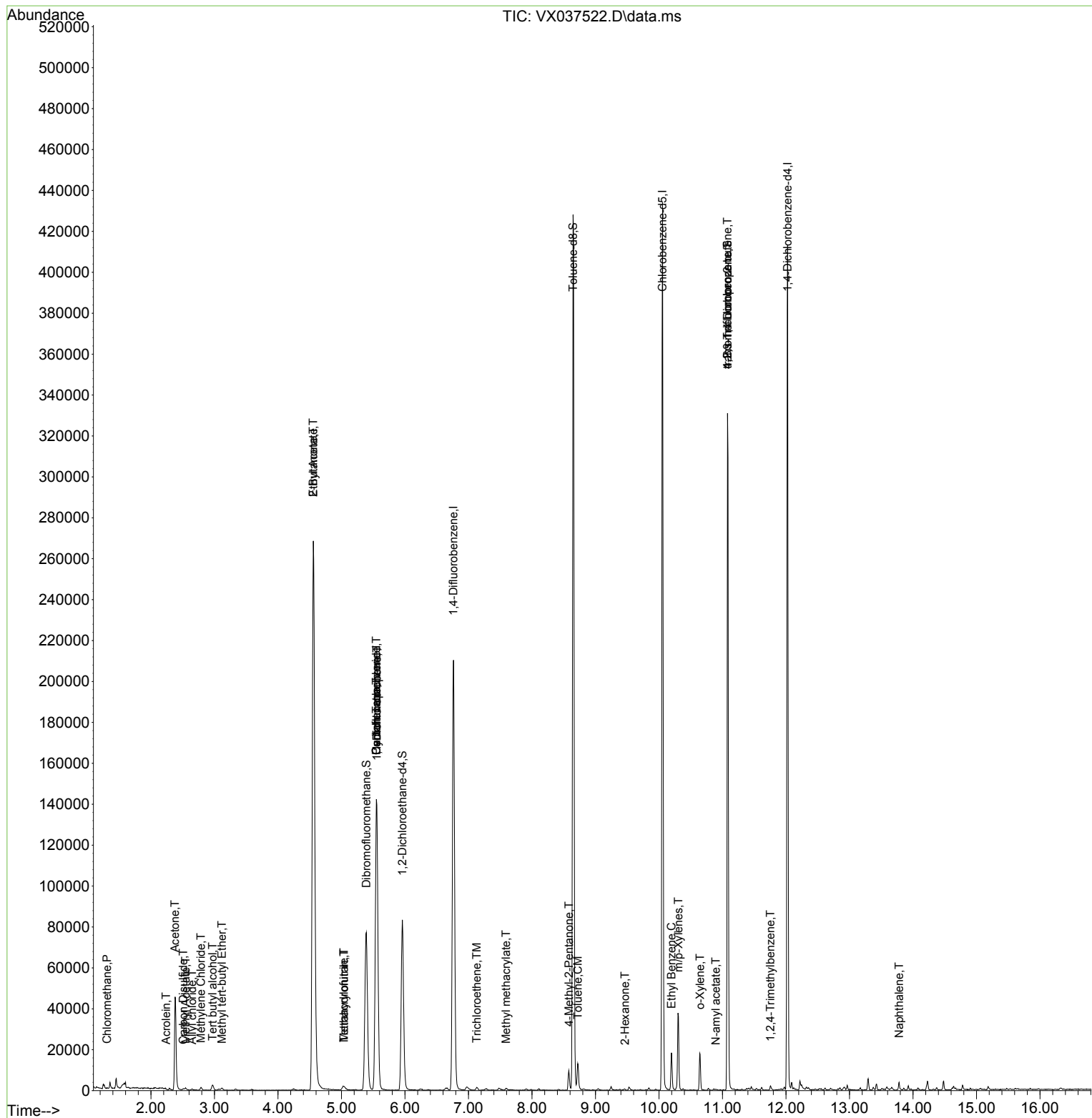
Internal Standards						
1) Pentafluorobenzene	5.550	168	135797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227693	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81556	41.658	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.320%		
35) Dibromofluoromethane	5.391	113	70194	46.549	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.100%		
50) Toluene-d8	8.647	98	268805	49.142	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.280%		
62) 4-Bromofluorobenzene	11.079	95	96179	44.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.480%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	279	0.202	ug/l #	43
11) Tert butyl alcohol	2.971	59	3095	6.739	ug/l	96
13) Acrolein	2.239	56	138	0.395	ug/l	99
14) Allyl chloride	2.648	41	540	0.250	ug/l #	34
16) Acetone	2.380	43	49338	64.419	ug/l #	86
17) Carbon Disulfide	2.508	76	765	0.215	ug/l #	76
18) Methyl Acetate	2.544	43	610	0.212	ug/l #	53
19) Methyl tert-butyl Ether	3.117	73	1236	0.233	ug/l #	86
20) Methylene Chloride	2.788	84	717	0.419	ug/l #	80
25) 2-Butanone	4.556	43	452973	392.795	ug/l #	84
29) Tetrahydrofuran	5.038	42	929	1.263	ug/l #	77
31) Cyclohexane	5.550	56	2432	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10343	4.828	ug/l #	50
37) Ethyl Acetate	4.556	43	452973	206.982	ug/l #	69
38) Carbon Tetrachloride	5.550	117	14283	6.137	ug/l #	15
41) Methacrylonitrile	5.038	41	813	0.715	ug/l #	46
44) Trichloroethene	7.129	130	582	0.334	ug/l	95
48) Methyl methacrylate	7.592	41	432	0.255	ug/l #	39
51) 4-Methyl-2-Pentanone	8.580	43	5596	2.652	ug/l	88
52) Toluene	8.720	92	5214	1.284	ug/l	100
59) 2-Hexanone	9.464	43	365	0.227	ug/l	79
67) Ethyl Benzene	10.195	91	11316	1.495	ug/l	97
68) m/p-Xylenes	10.305	106	9204	3.149	ug/l	99
69) o-Xylene	10.647	106	4220	1.463	ug/l	99
74) N-amyl acetate	10.896	43	676	0.269	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	45755	24.133	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45755	67.404	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1127	0.207	ug/l	86
95) Naphthalene	13.780	128	2720	0.366	ug/l	97

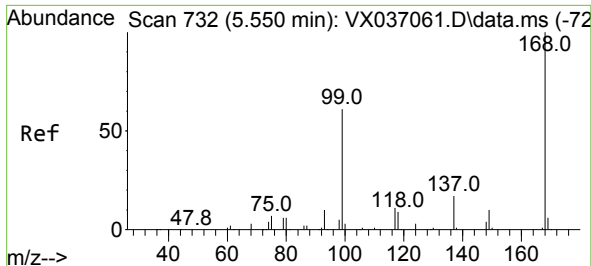
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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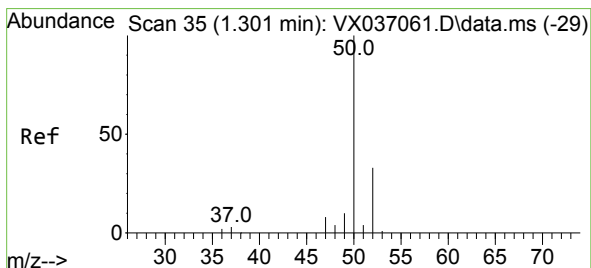
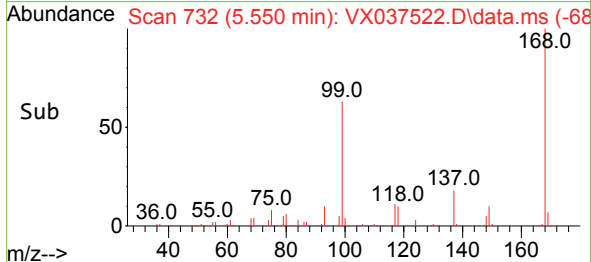
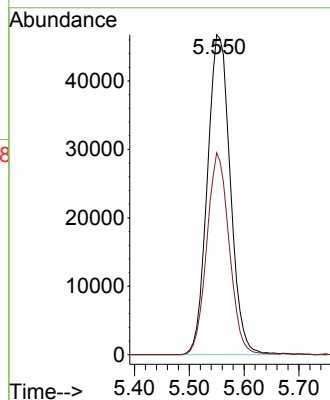
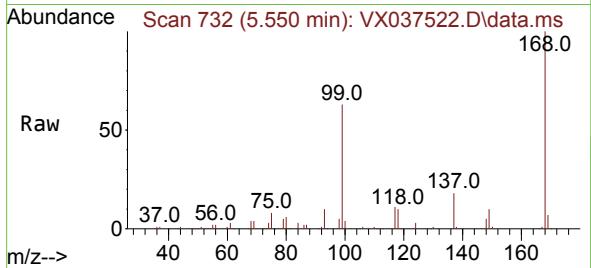




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

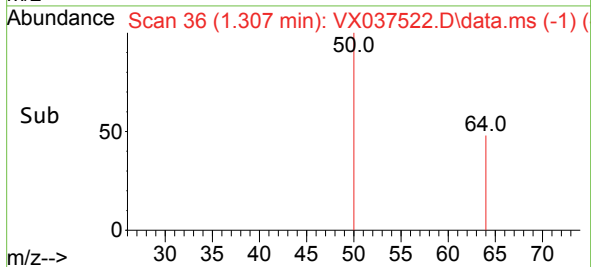
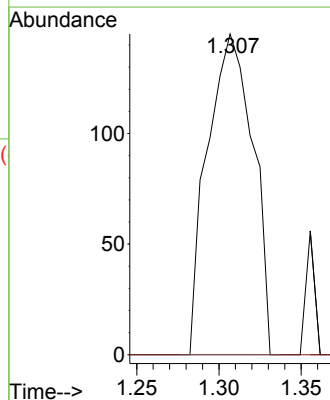
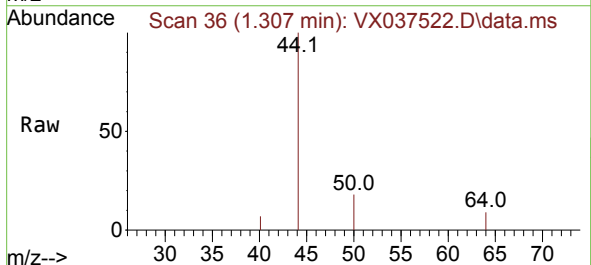
Instrument :
MSVOA_X
ClientSampleId :
1815

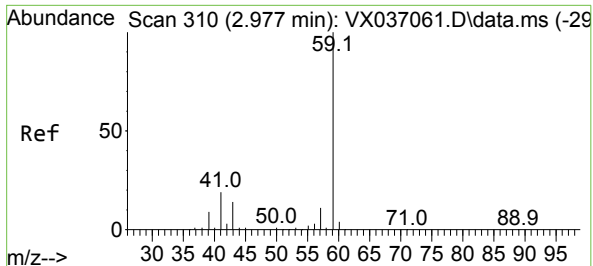
Tgt Ion:168 Resp: 135797
Ion Ratio Lower Upper
168 100
99 63.1 56.6 85.0



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 50 Resp: 279
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 6.739 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX037522.D

Acq: 05 Sep 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

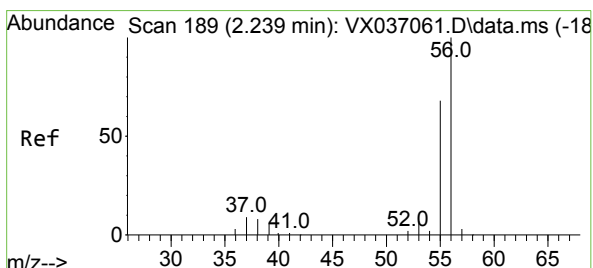
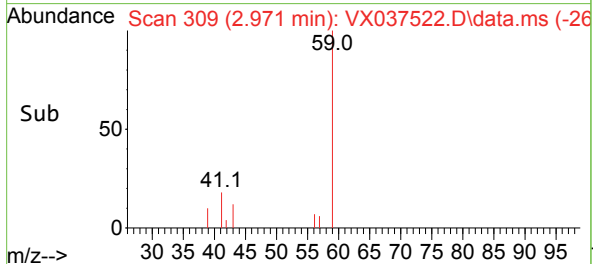
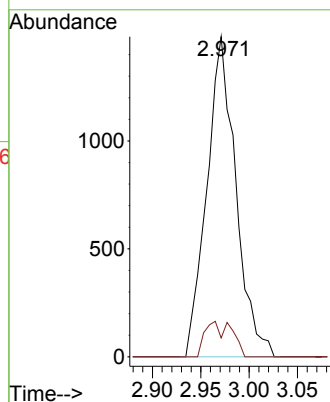
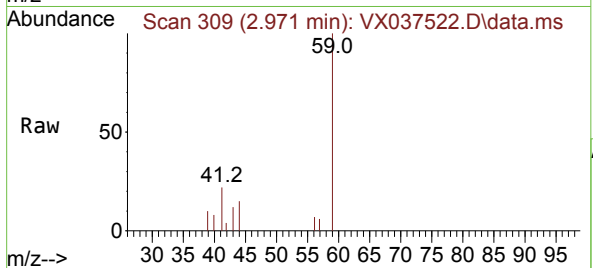
1815

Tgt Ion: 59 Resp: 3095

Ion Ratio Lower Upper

59 100

57 6.0 6.0 9.0



#13

Acrolein

Concen: 0.395 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX037522.D

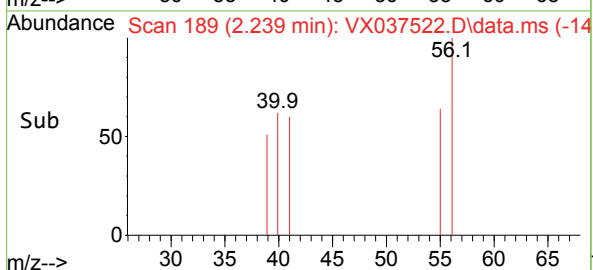
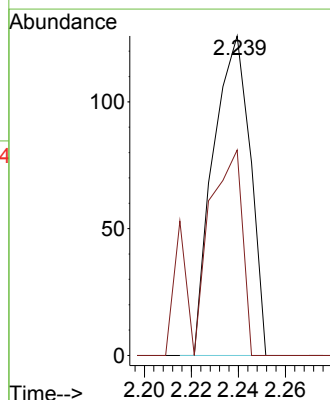
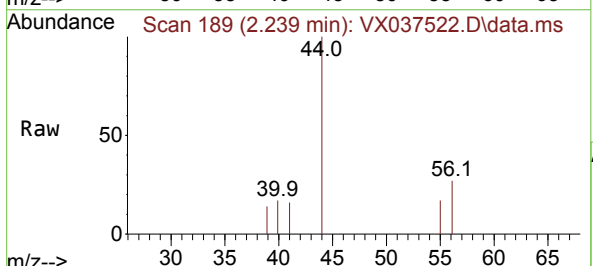
Acq: 05 Sep 2023 19:14

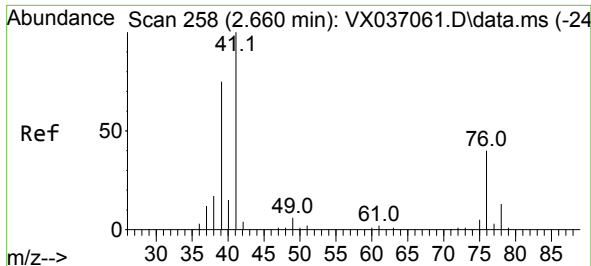
Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 70.3 57.1 85.7





#14

Allyl chloride

Concen: 0.250 ug/l

RT: 2.648 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX037522.D

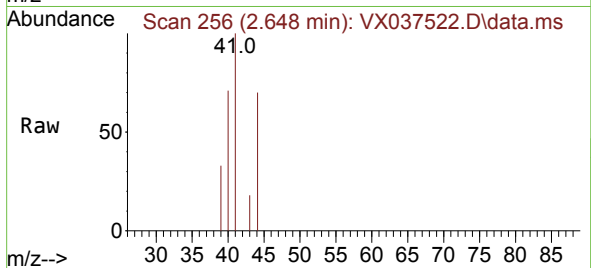
Acq: 05 Sep 2023 19:14

Instrument :

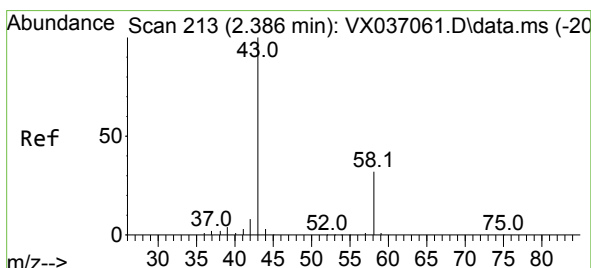
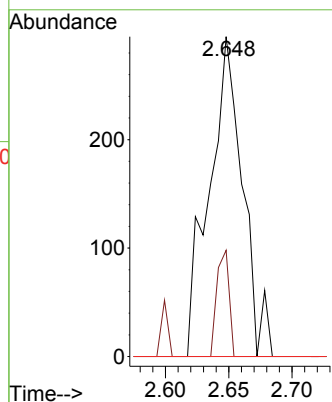
MSVOA_X

ClientSampleId :

1815



Tgt Ion:	41	Resp:	540
Ion Ratio	Lower	Upper	
41	100		
39	12.2	55.8	83.6#
76	0.0	24.3	36.5#



#16

Acetone

Concen: 64.419 ug/l

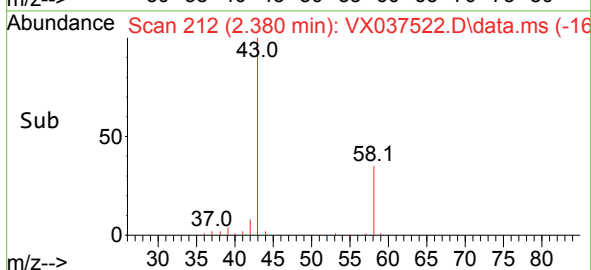
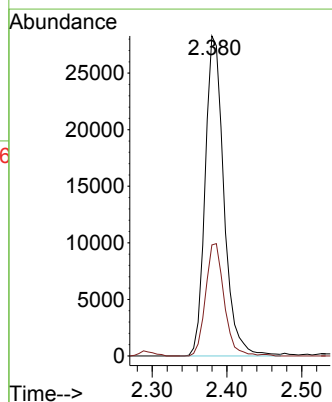
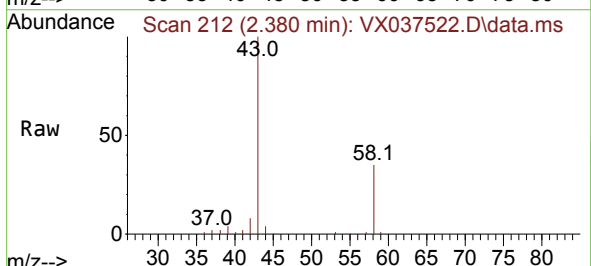
RT: 2.380 min Scan# 212

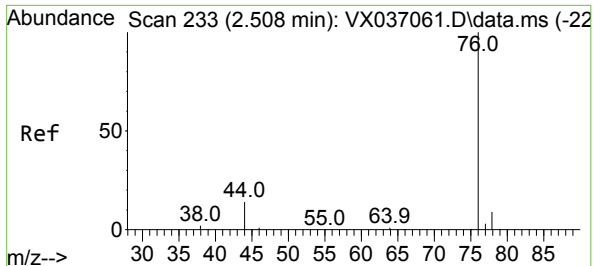
Delta R.T. -0.006 min

Lab File: VX037522.D

Acq: 05 Sep 2023 19:14

Tgt Ion:	43	Resp:	49338
Ion Ratio	Lower	Upper	
43	100		
58	34.7	21.9	32.9#

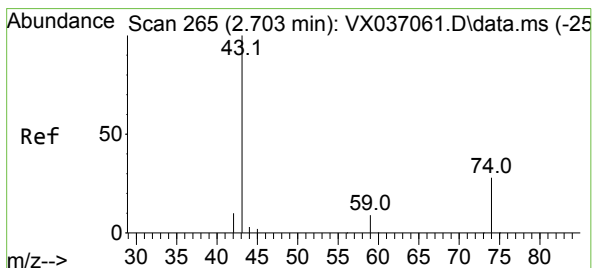
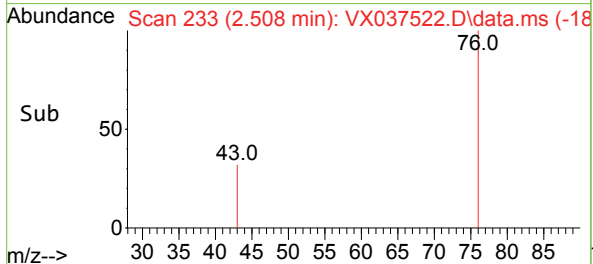
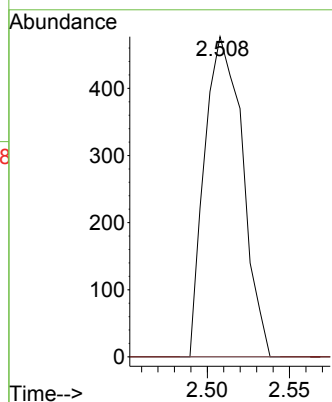
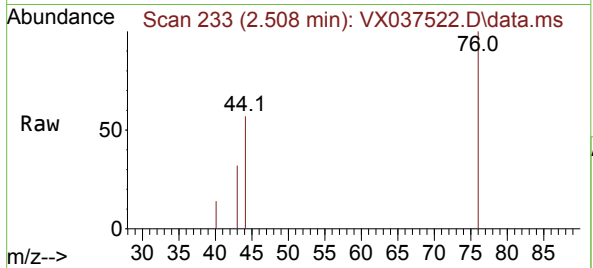




#17
Carbon Disulfide
Concen: 0.215 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

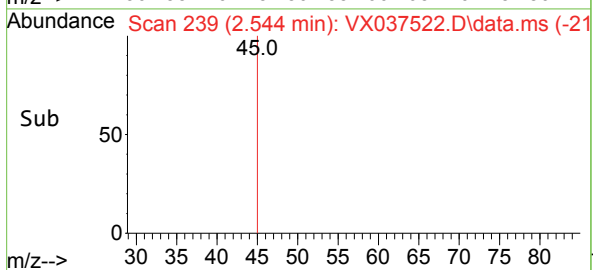
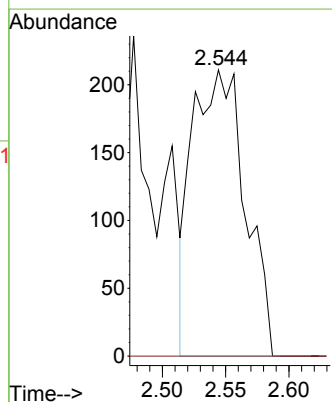
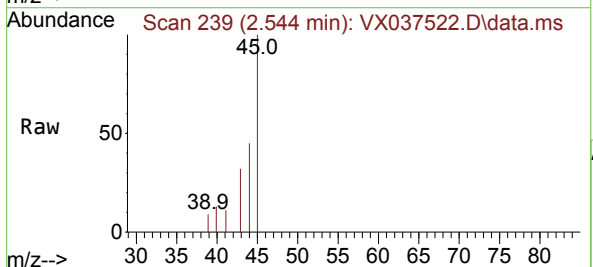
Instrument :
MSVOA_X
ClientSampleId :
1815

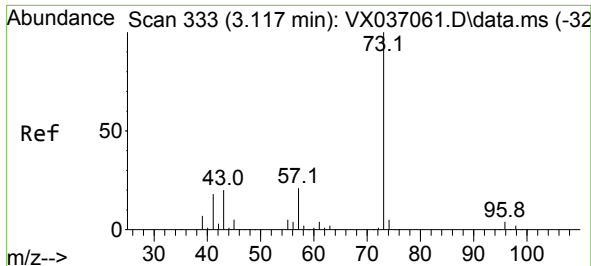
Tgt Ion: 76 Resp: 765
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.212 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.158 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

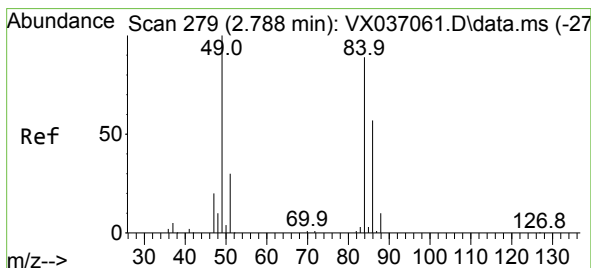
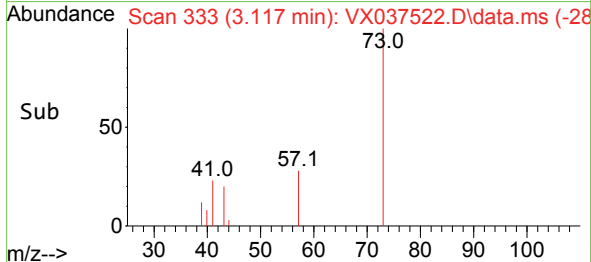
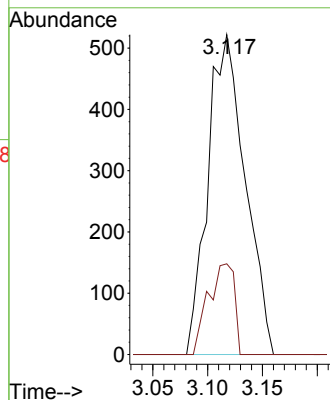
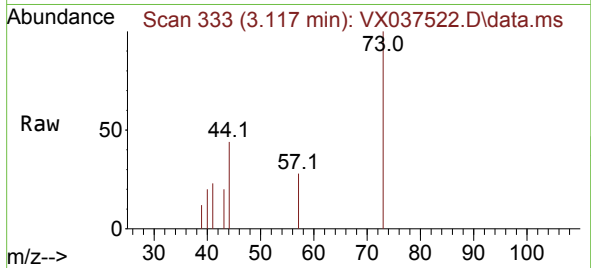




#19
Methyl tert-butyl Ether
Concen: 0.233 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

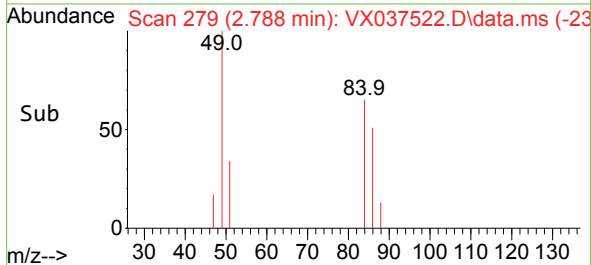
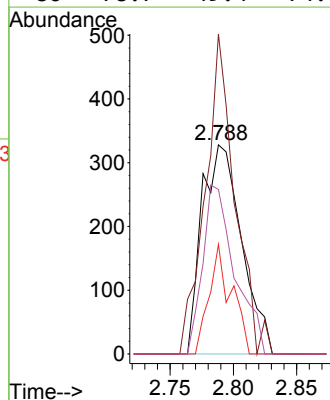
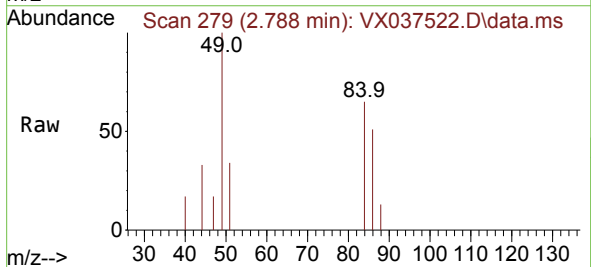
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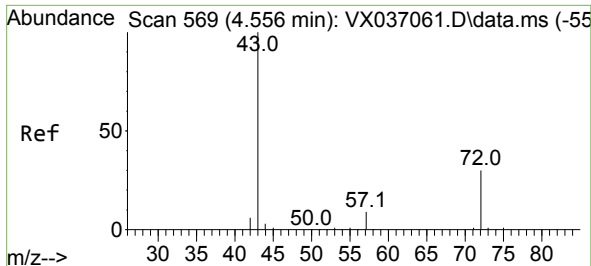
Tgt Ion: 73 Resp: 1236
Ion Ratio Lower Upper
73 100
57 28.4 17.3 25.9#



#20
Methylene Chloride
Concen: 0.419 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 84 Resp: 717
Ion Ratio Lower Upper
84 100
49 153.0 103.6 155.4
51 52.4 33.8 50.6#
86 78.7 49.4 74.0#

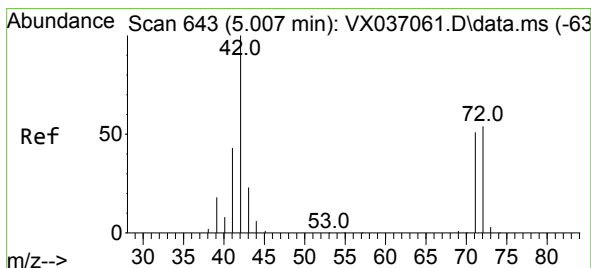
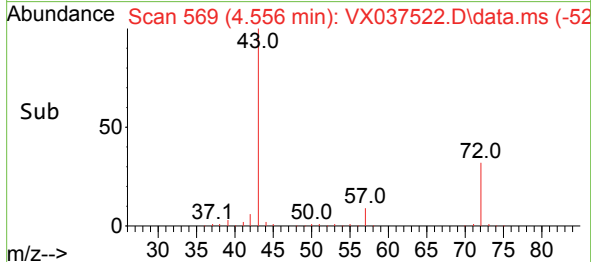
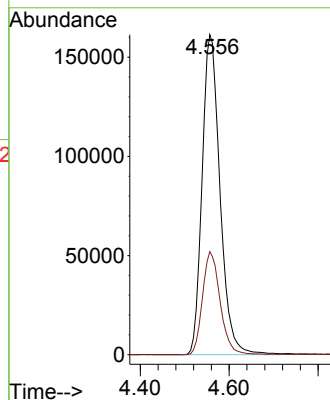
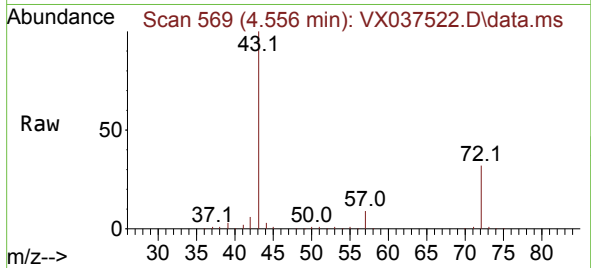




#25
2-Butanone
Concen: 392.795 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

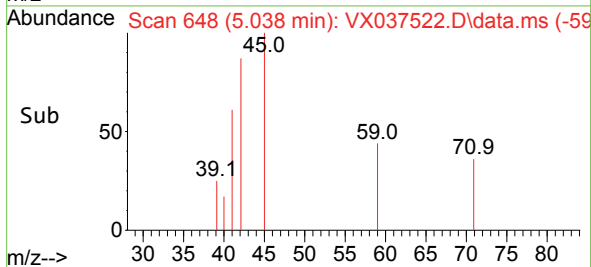
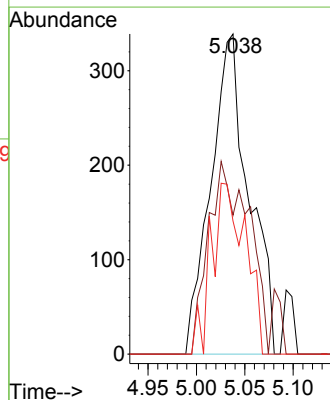
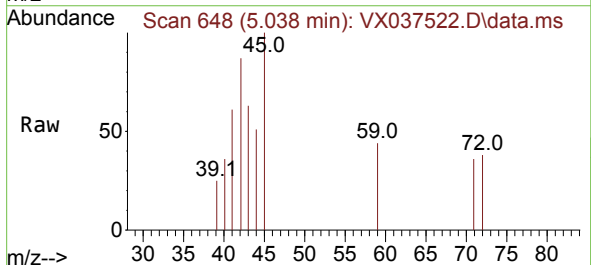
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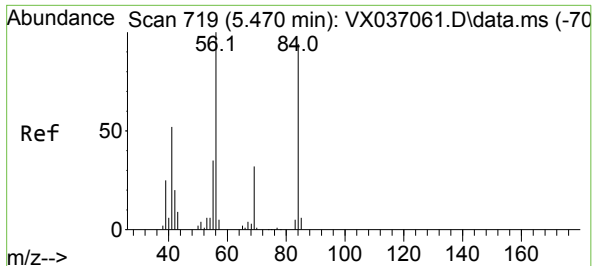
Tgt Ion: 43 Resp: 452973
Ion Ratio Lower Upper
43 100
72 32.2 19.4 29.2#



#29
Tetrahydrofuran
Concen: 1.263 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 42 Resp: 929
Ion Ratio Lower Upper
42 100
72 64.0 34.2 51.4#
71 48.0 32.2 48.2





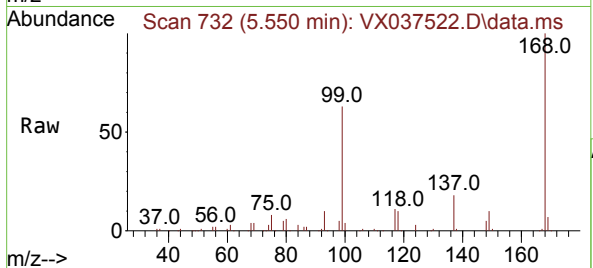
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Instrument :

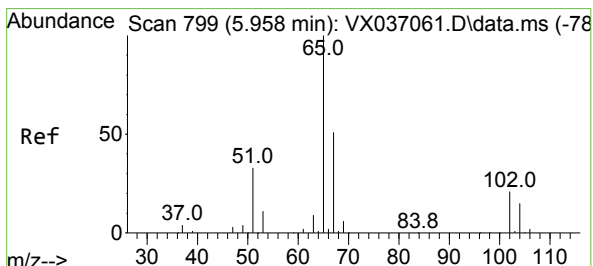
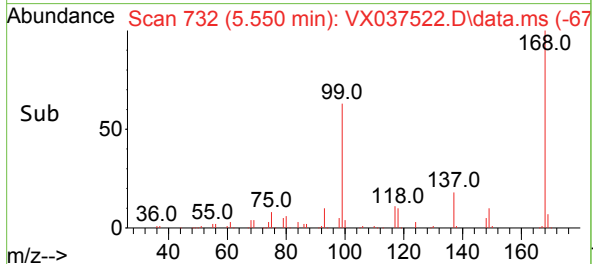
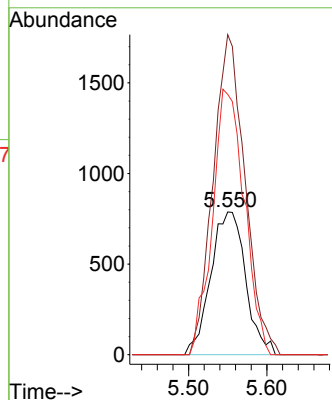
MSVOA_X

ClientSampleId :

1815

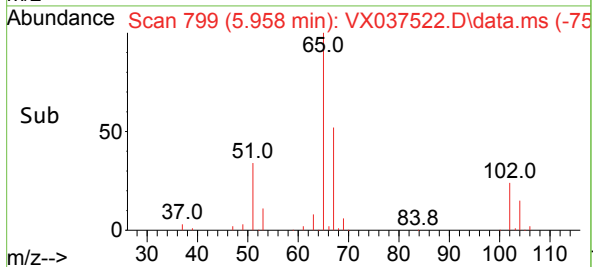
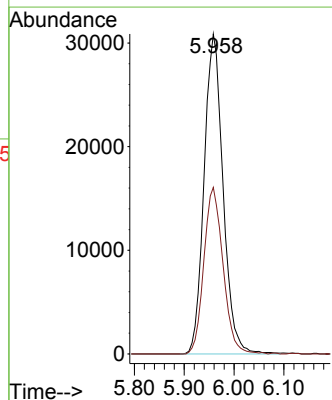
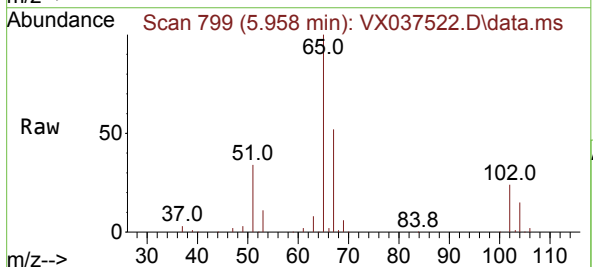


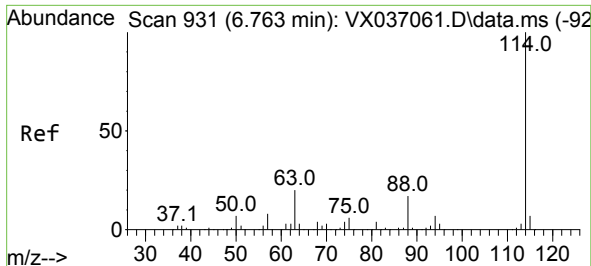
Tgt Ion: 56 Resp: 2432
Ion Ratio Lower Upper
56 100
69 224.1 23.4 35.2#
84 182.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.658 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 65 Resp: 81556
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX037522.D

Acq: 05 Sep 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

1815

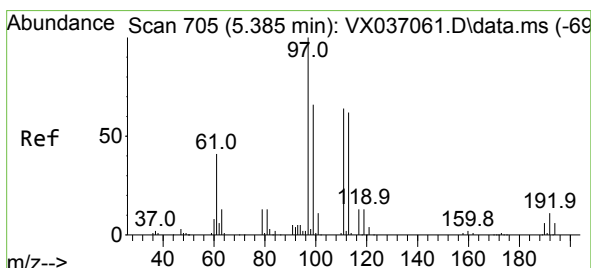
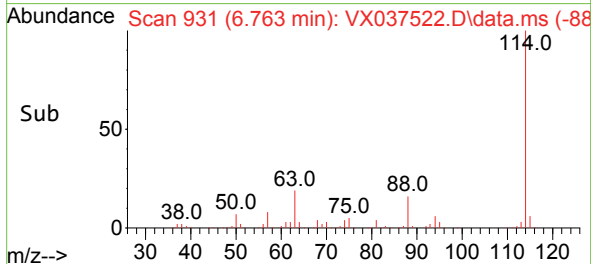
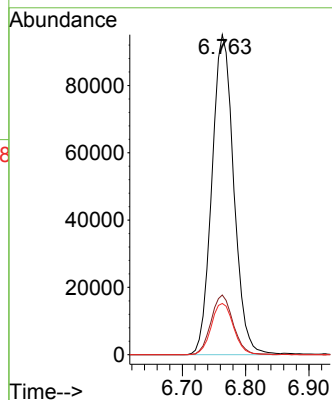
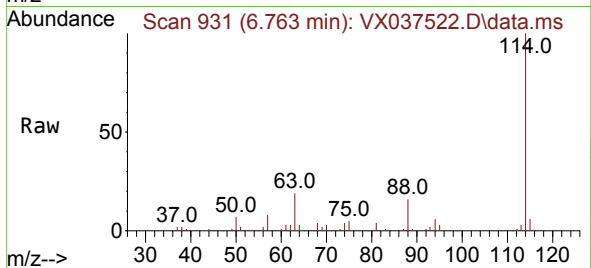
Tgt Ion:114 Resp: 227693

Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

88 16.0 0.0 36.6



#35

Dibromofluoromethane

Concen: 46.549 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX037522.D

Acq: 05 Sep 2023 19:14

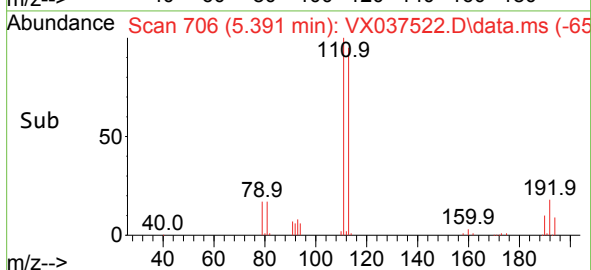
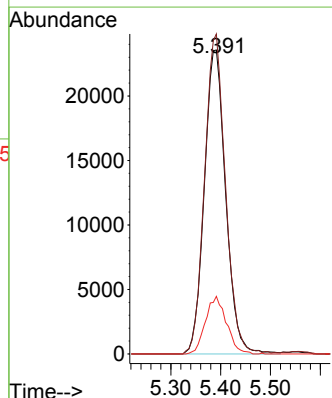
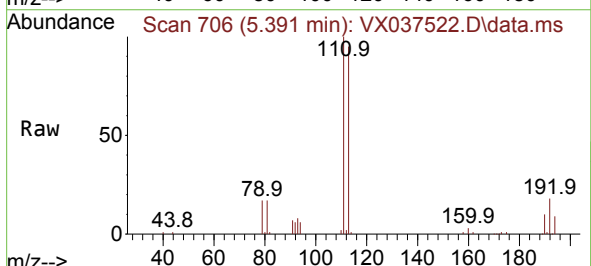
Tgt Ion:113 Resp: 70194

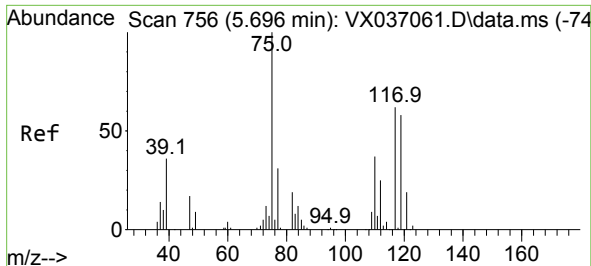
Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 18.6 13.3 19.9

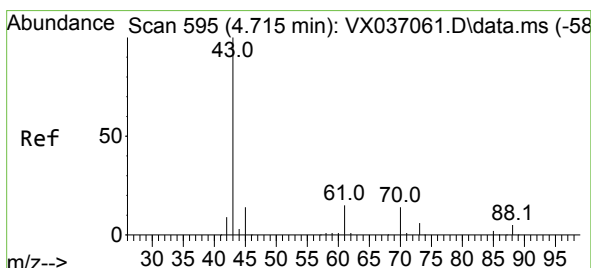
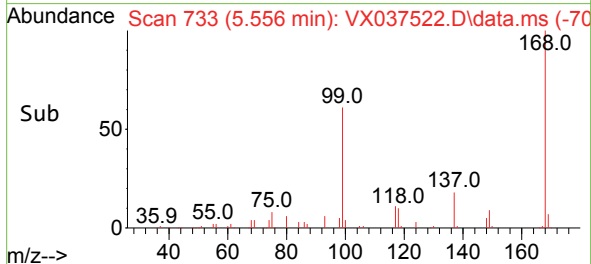
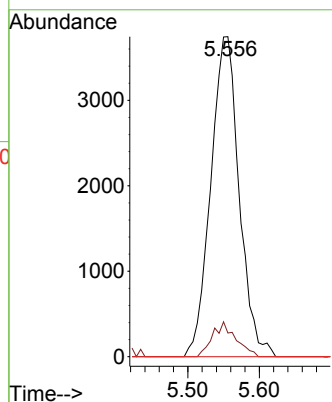
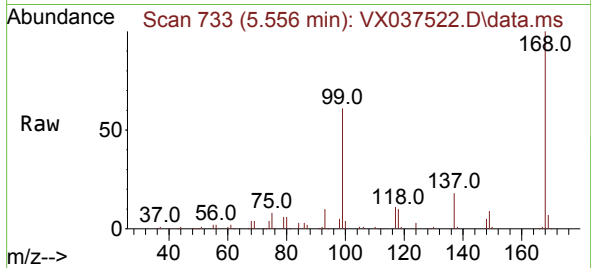




#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

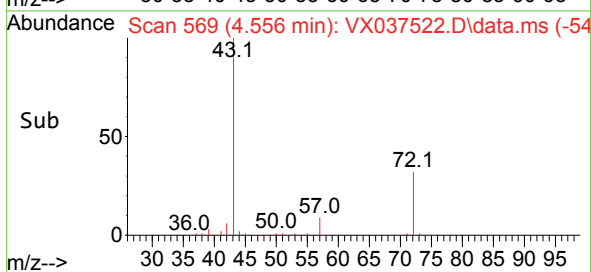
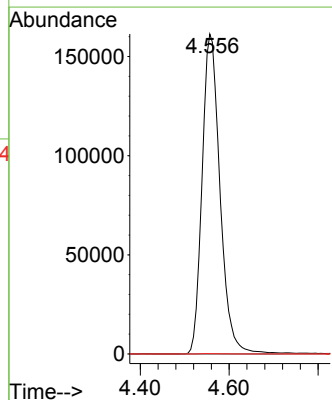
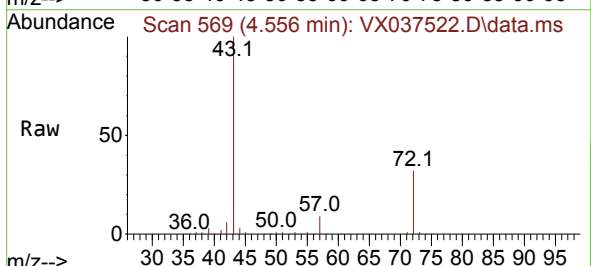
Instrument :
MSVOA_X
ClientSampleId :
1815

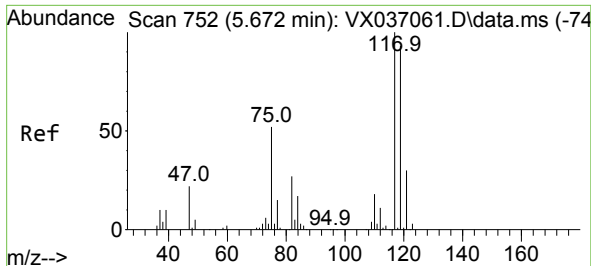
Tgt Ion: 75 Resp: 10343
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 206.982 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.158 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

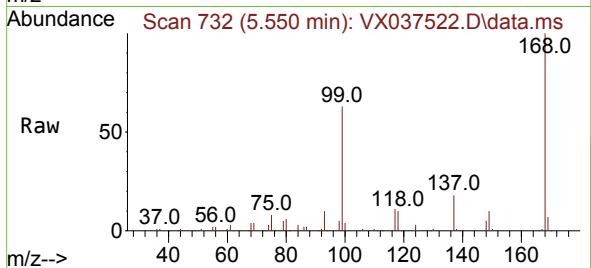
Tgt Ion: 43 Resp: 452973
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.1 8.3 12.5#



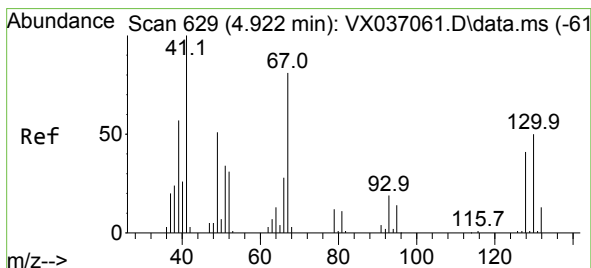
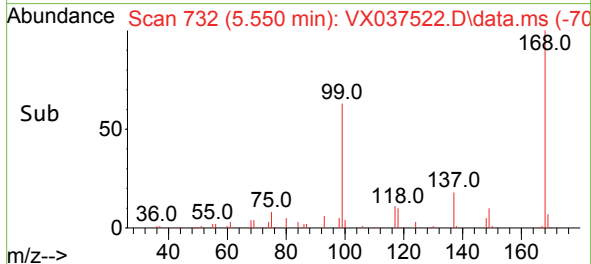
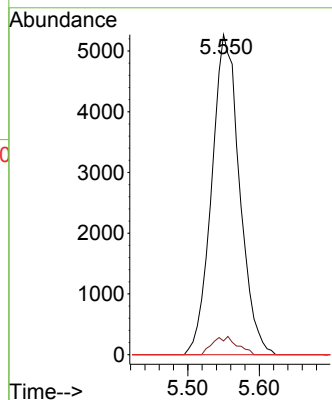


#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 5.550 min Scan# 715
Delta R.T. -0.122 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Instrument :
MSVOA_X
ClientSampleId :
1815

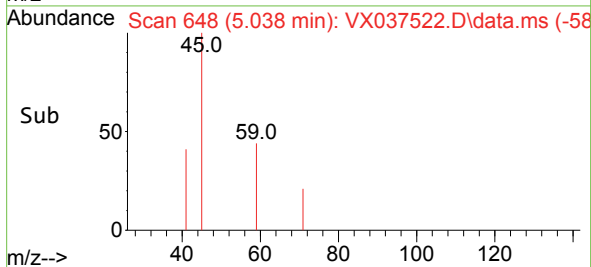
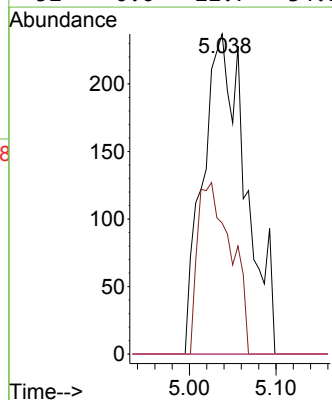
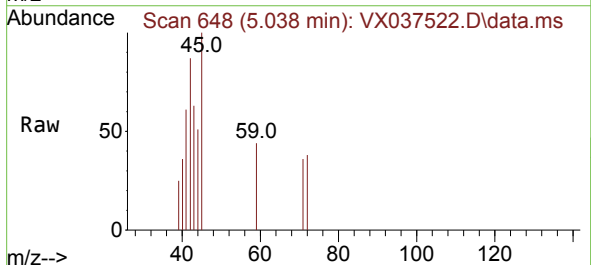


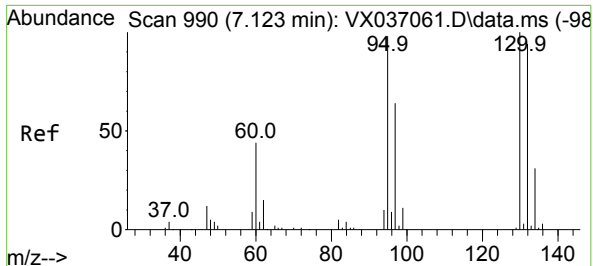
Tgt Ion:117 Resp: 14283
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.715 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 41 Resp: 813
Ion Ratio Lower Upper
41 100
39 41.9 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

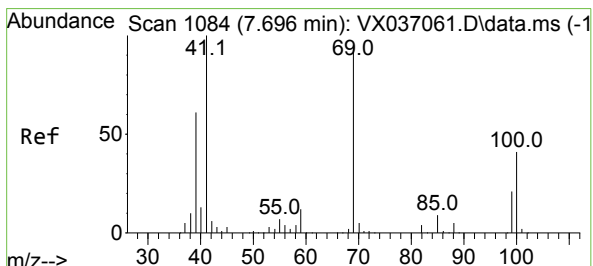
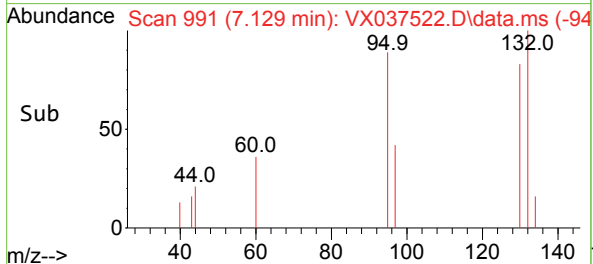
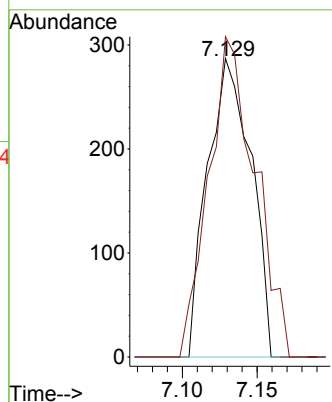
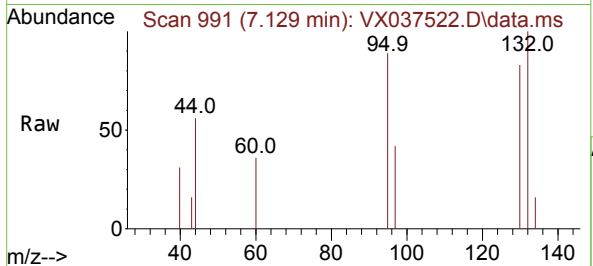




#44
Trichloroethene
Concen: 0.334 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

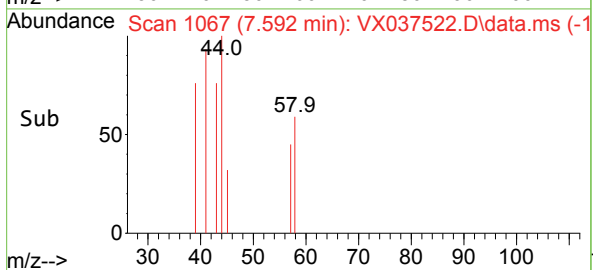
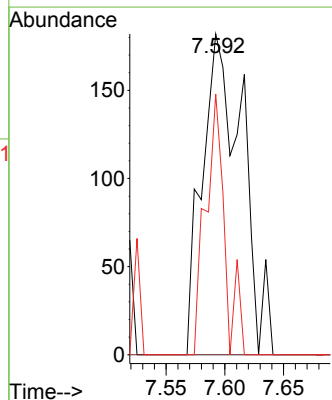
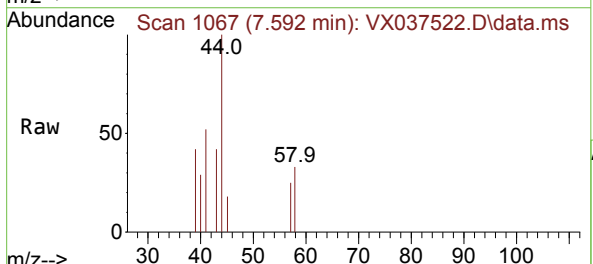
Instrument :
MSVOA_X
ClientSampleId :
1815

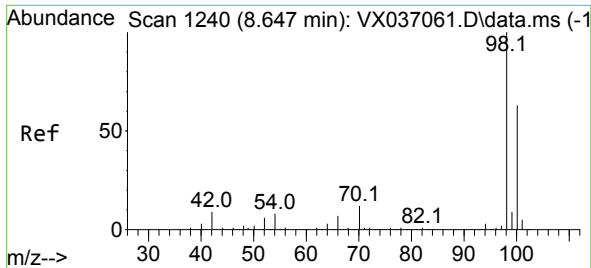
Tgt Ion:130 Resp: 582
Ion Ratio Lower Upper
130 100
95 107.3 0.0 204.4



#48
Methyl methacrylate
Concen: 0.255 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.104 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 41 Resp: 432
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 38.9 47.7 71.5#

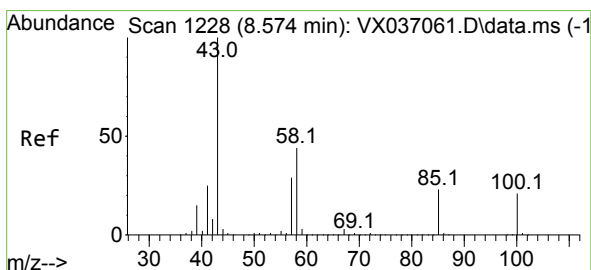
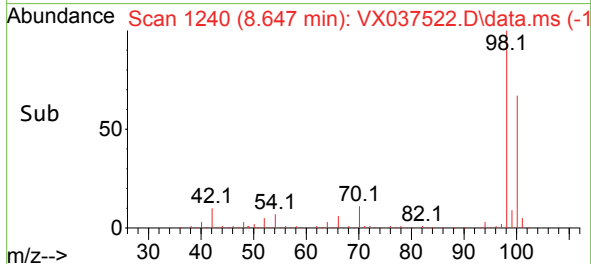
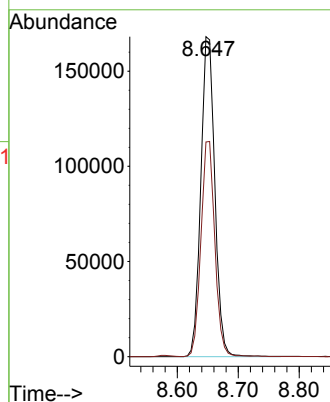
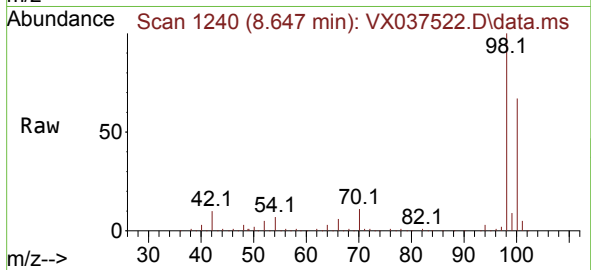




#50
Toluene-d8
Concen: 49.142 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

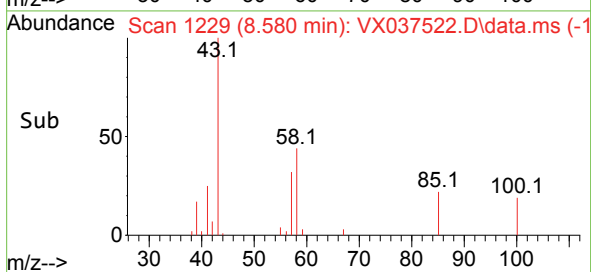
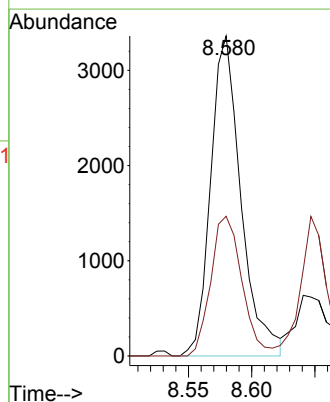
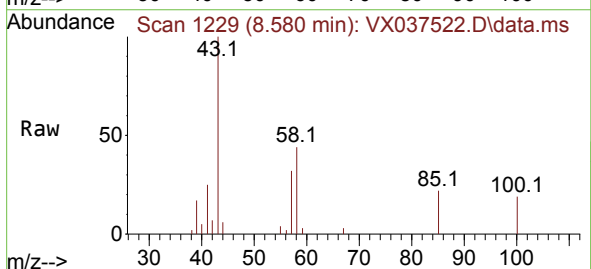
Instrument :
MSVOA_X
ClientSampleId :
1815

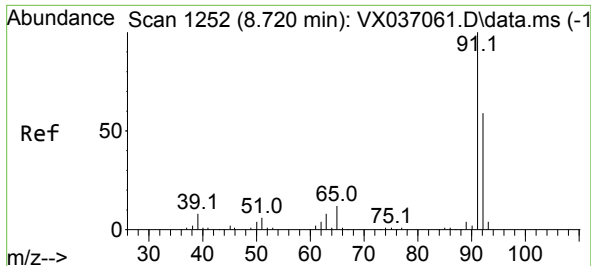
Tgt Ion: 98 Resp: 268805
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 2.652 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 43 Resp: 5596
Ion Ratio Lower Upper
43 100
58 45.0 30.4 45.6

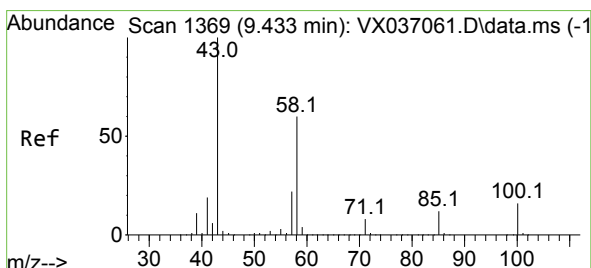
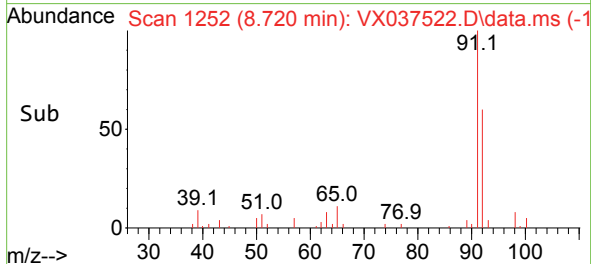
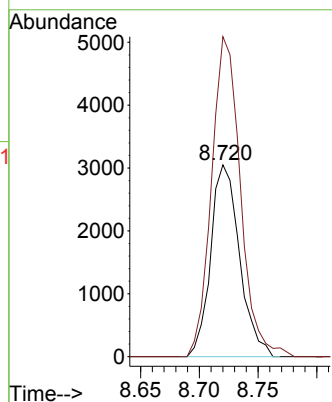
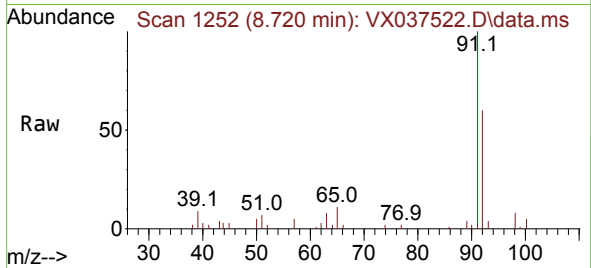




#52
Toluene
Concen: 1.284 ug/l
RT: 8.720 min Scan# 11815
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

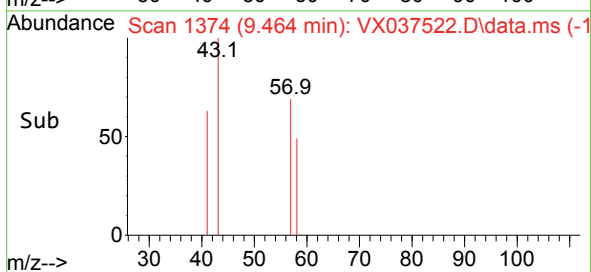
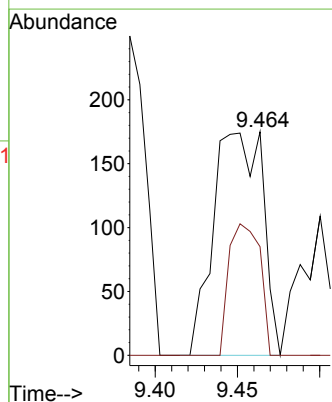
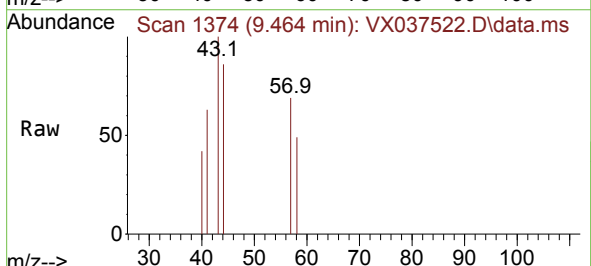
Instrument :
MSVOA_X
ClientSampleId :
1815

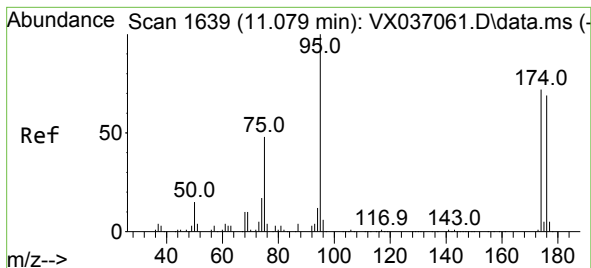
Tgt Ion: 92 Resp: 5214
Ion Ratio Lower Upper
92 100
91 167.2 134.2 201.2



#59
2-Hexanone
Concen: 0.227 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.031 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 43 Resp: 365
Ion Ratio Lower Upper
43 100
58 37.3 26.2 78.5

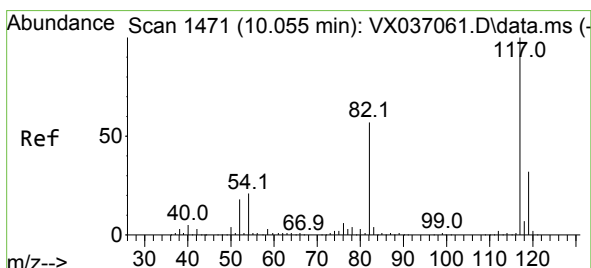
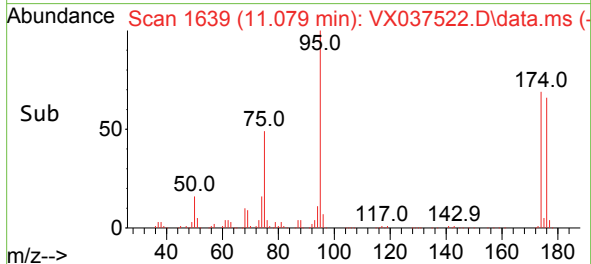
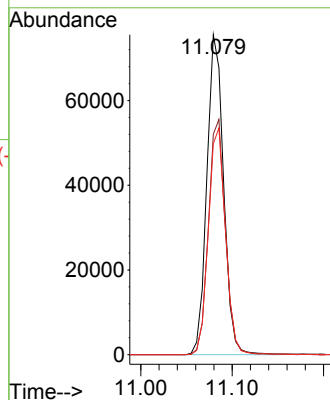
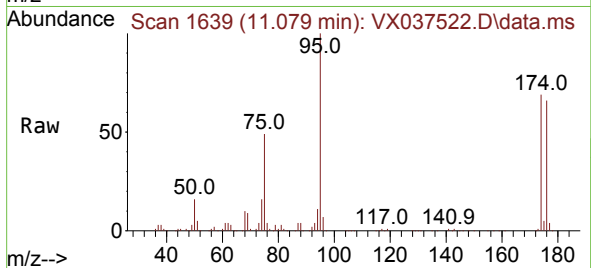




#62
4-Bromofluorobenzene
Concen: 44.743 ug/l
RT: 11.079 min Scan# 11815
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

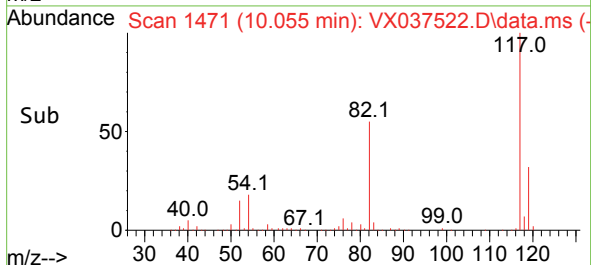
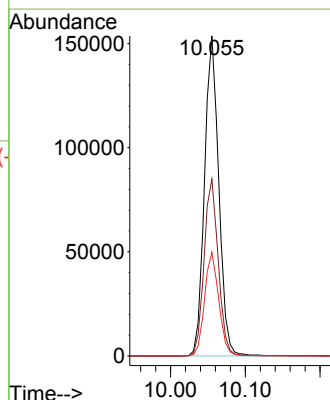
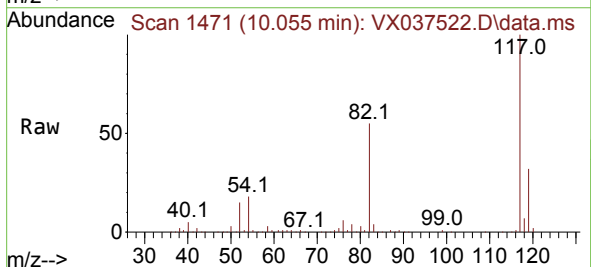
Instrument :
MSVOA_X
ClientSampleId :
1815

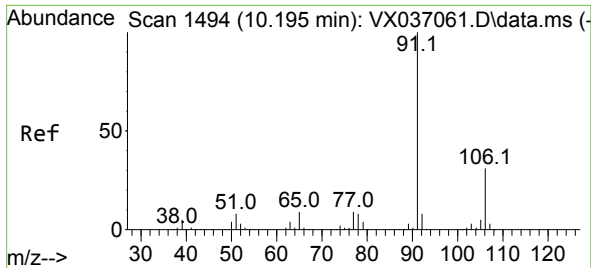
Tgt Ion: 95 Resp: 96179
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 72.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 117 Resp: 203544
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.4 25.5 38.3

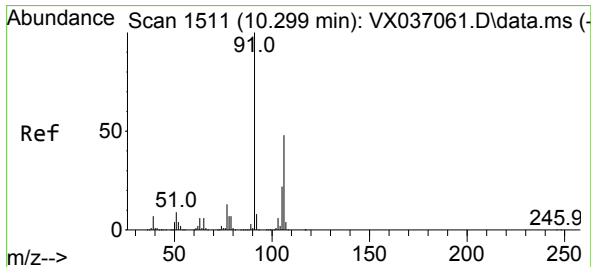
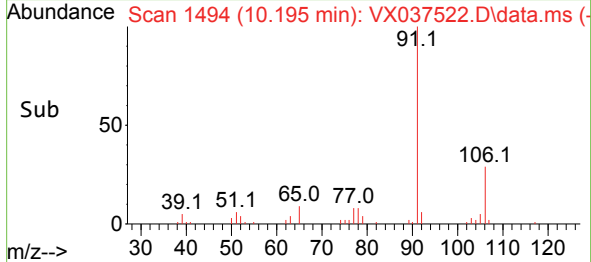
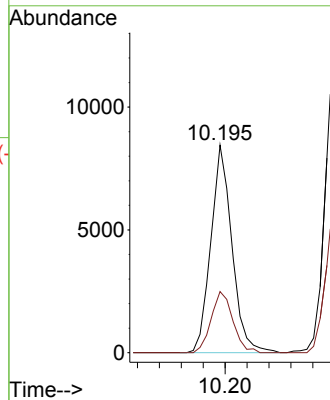
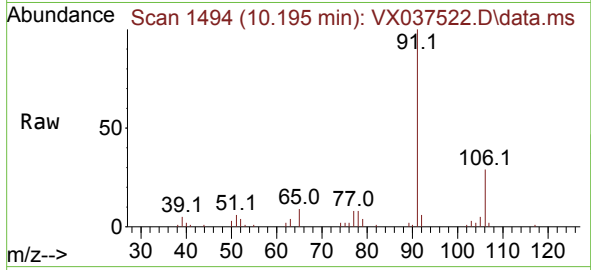




#67
Ethyl Benzene
Concen: 1.495 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

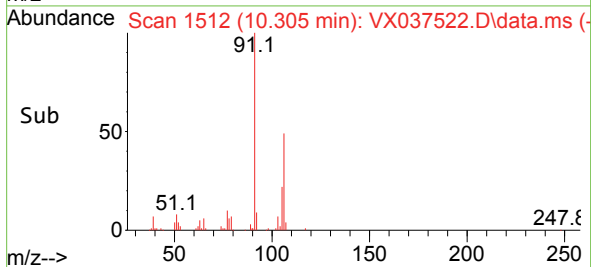
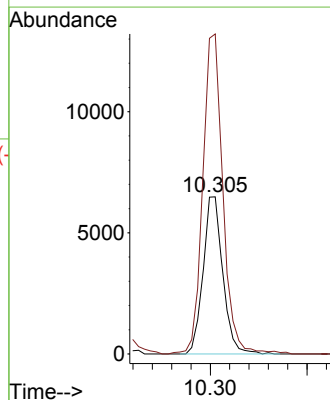
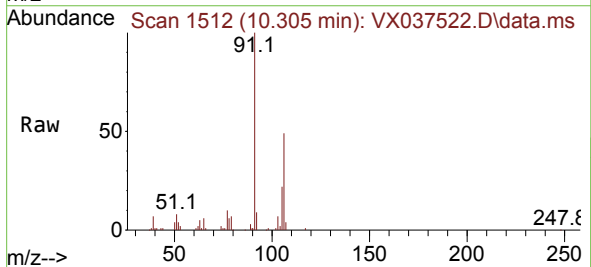
Instrument :
MSVOA_X
ClientSampleId :
1815

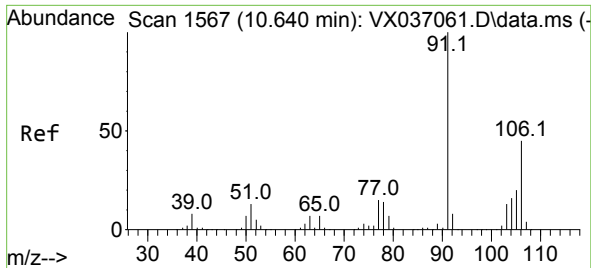
Tgt Ion: 91 Resp: 11316
Ion Ratio Lower Upper
91 100
106 29.5 24.9 37.3



#68
m/p-Xylenes
Concen: 3.149 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion: 106 Resp: 9204
Ion Ratio Lower Upper
106 100
91 207.7 165.5 248.3

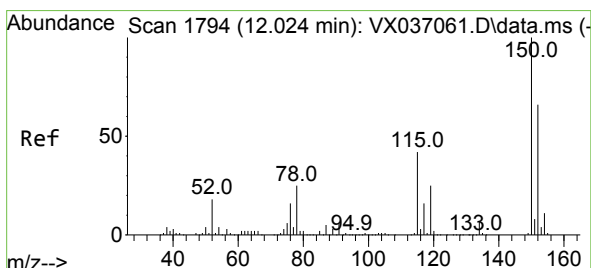
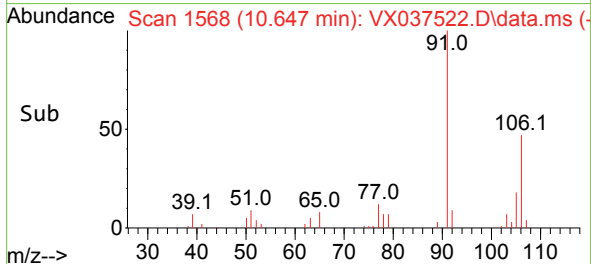
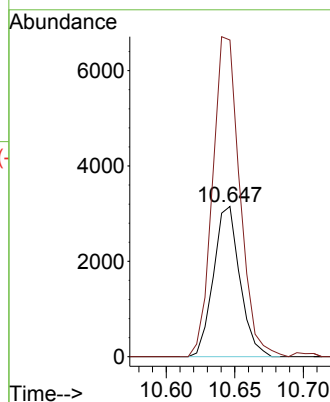
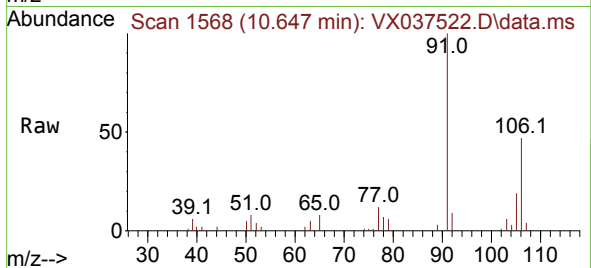




#69
o-Xylene
Concen: 1.463 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

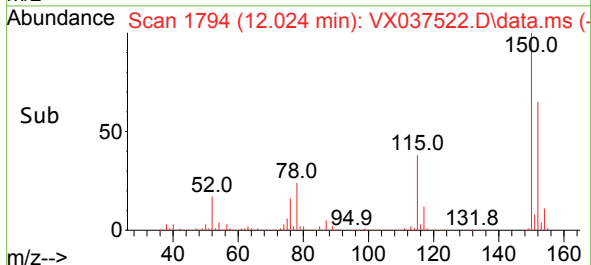
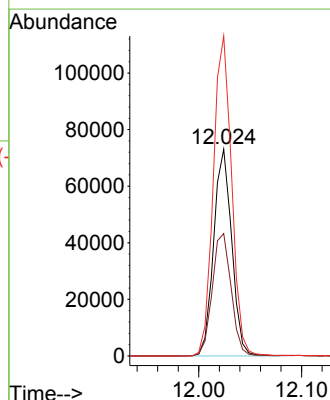
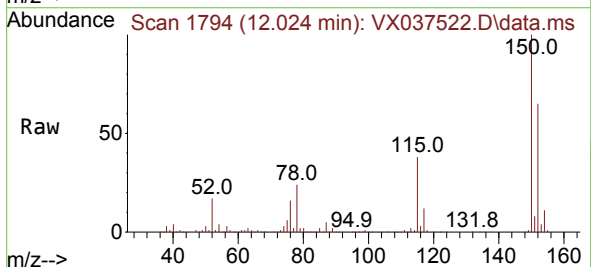
Instrument :
MSVOA_X
ClientSampleId :
1815

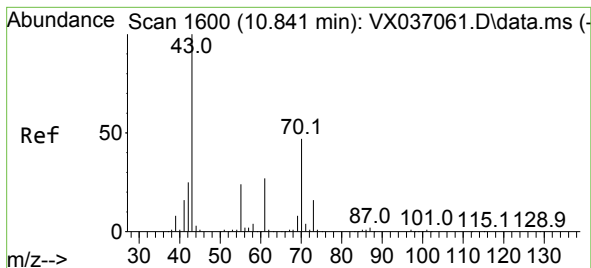
Tgt Ion:106 Resp: 4220
Ion Ratio Lower Upper
106 100
91 219.4 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Tgt Ion:152 Resp: 89026
Ion Ratio Lower Upper
152 100
115 62.1 43.3 129.9
150 157.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.269 ug/l

RT: 10.896 min Scan# 1609

Delta R.T. 0.055 min

Lab File: VX037522.D

Acq: 05 Sep 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

1815

Tgt Ion: 43 Resp: 676

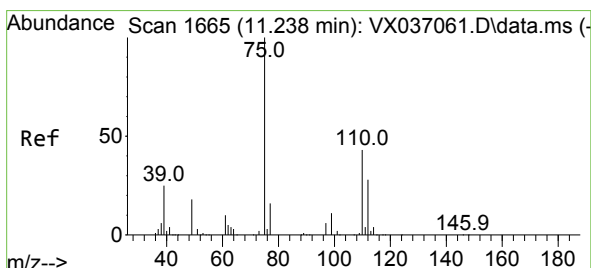
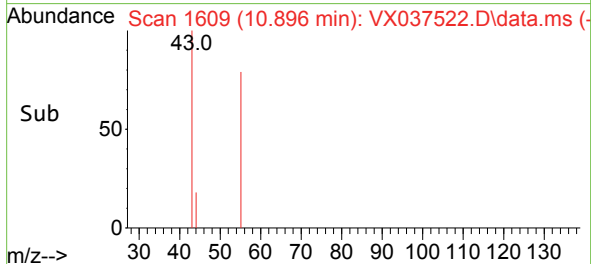
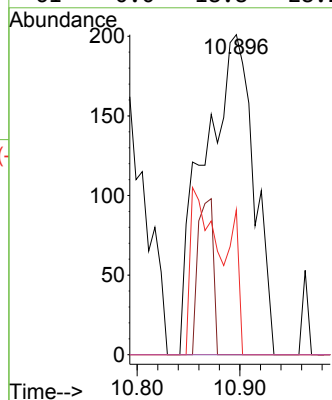
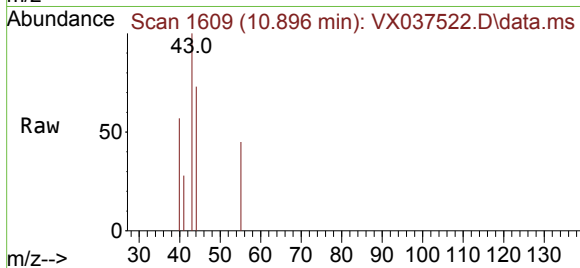
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.133 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037522.D

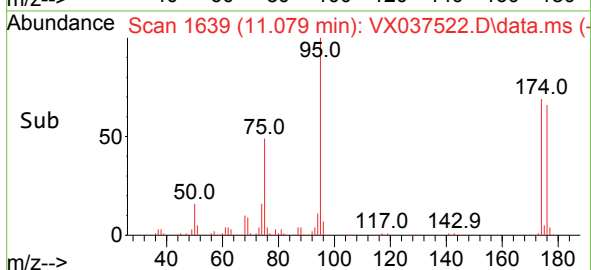
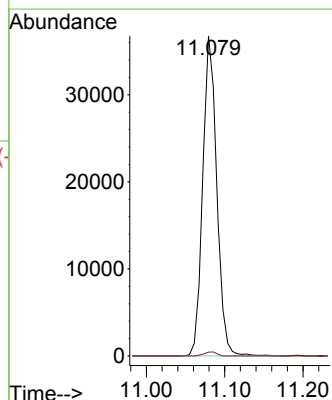
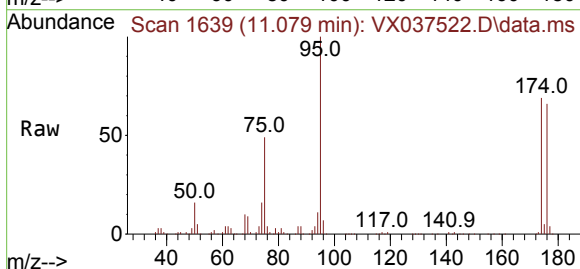
Acq: 05 Sep 2023 19:14

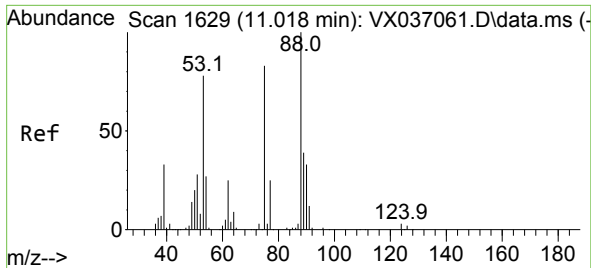
Tgt Ion: 75 Resp: 45755

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

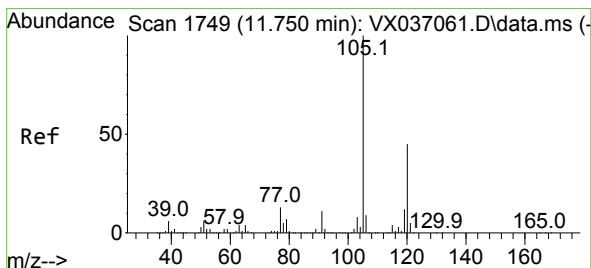
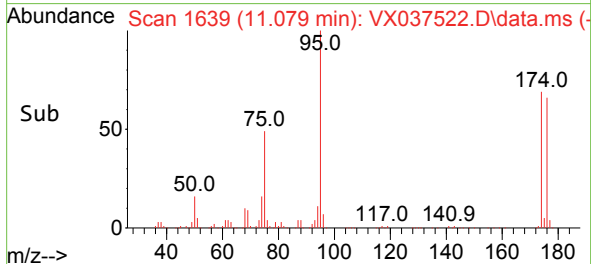
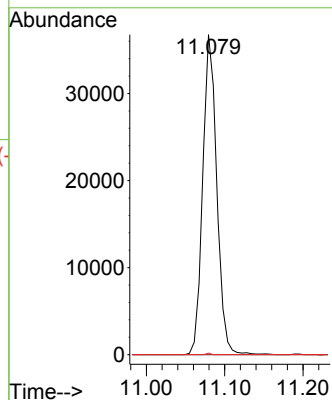
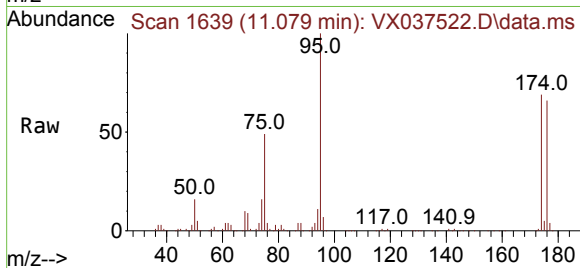




#81
trans-1,4-Dichloro-2-butene
Concen: 67.404 ug/l
RT: 11.079 min Scan# 1115
Delta R.T. 0.061 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

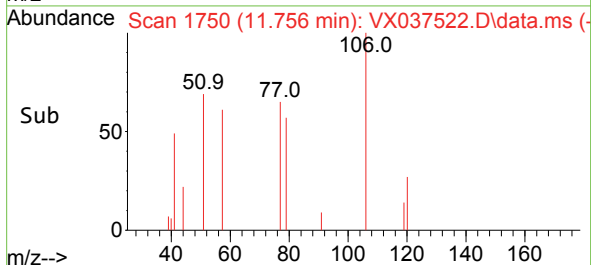
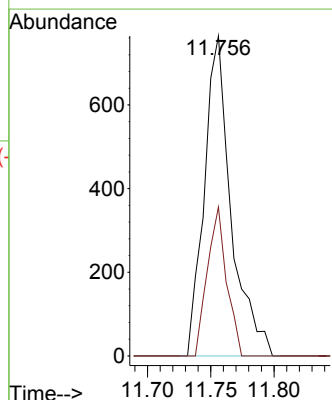
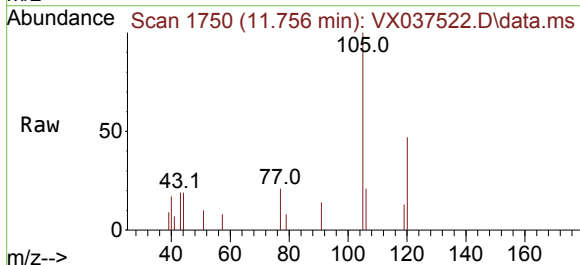
Instrument :
MSVOA_X
ClientSampleId :
1815

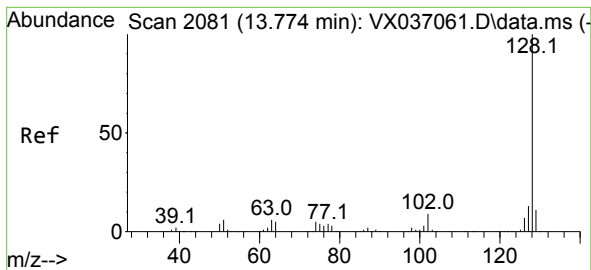
Tgt Ion: 75 Resp: 45755
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.207 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

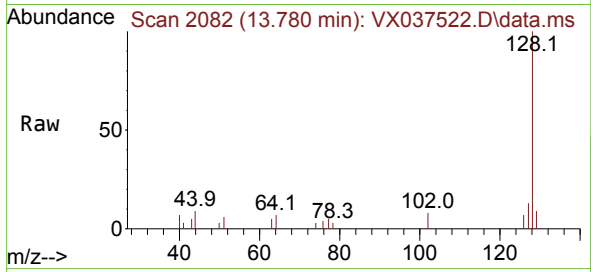
Tgt Ion: 105 Resp: 1127
Ion Ratio Lower Upper
105 100
120 33.4 21.2 63.6





#95
Naphthalene
Concen: 0.366 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037522.D
Acq: 05 Sep 2023 19:14

Instrument :
MSVOA_X
ClientSampleId :
1815



Tgt Ion:128 Resp: 2720
Ion Ratio Lower Upper
128 100
127 11.2 10.3 15.5
129 10.1 8.8 13.2

