

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082123\
 Data File : VX037133.D
 Acq On : 21 Aug 2023 16:08
 Operator : JC/MD
 Sample : 04086-05
 Misc : 5.06g/5.0mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 22 05:57:45 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)

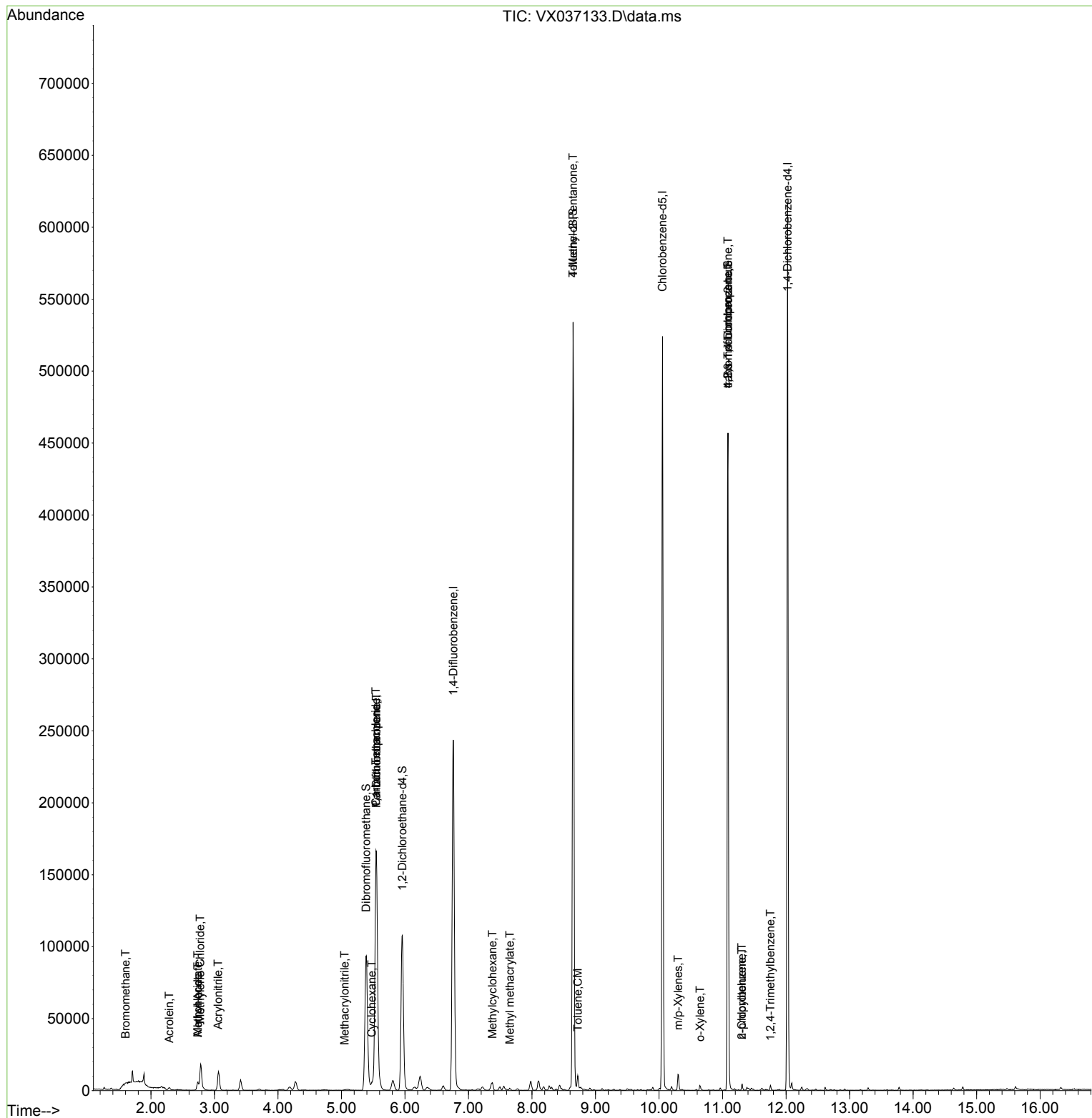
Internal Standards						
1) Pentafluorobenzene	5.550	168	154391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109881	49.366	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.740%
35) Dibromofluoromethane	5.385	113	82922	48.181	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.360%
50) Toluene-d8	8.647	98	321571	51.510	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.020%
62) 4-Bromofluorobenzene	11.085	95	129832	52.920	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	267	0.314	ug/l	90
13) Acrolein	2.288	56	230	0.579	ug/l	84
14) Allyl chloride	2.739	41	1605	0.652	ug/l #	61
15) Acrylonitrile	3.056	53	339	0.364	ug/l #	28
18) Methyl Acetate	2.739	43	4472	1.364	ug/l #	62
20) Methylene Chloride	2.776	84	667	0.343	ug/l #	53
31) Cyclohexane	5.476	56	2028	0.810	ug/l #	61
36) 1,1-Dichloropropene	5.550	75	12596	5.151	ug/l #	51
38) Carbon Tetrachloride	5.544	117	16943	6.379	ug/l #	15
39) Methylcyclohexane	7.379	83	2544	0.990	ug/l #	85
41) Methacrylonitrile	5.050	41	264	0.203	ug/l #	30
48) Methyl methacrylate	7.653	41	428	0.221	ug/l #	49
51) 4-Methyl-2-Pentanone	8.647	43	1497	0.622	ug/l #	1
52) Toluene	8.720	92	3679	0.794	ug/l	93
68) m/p-Xylenes	10.299	106	2628	0.768	ug/l	92
69) o-Xylene	10.646	106	861	0.255	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	65821	24.664	ug/l #	38
78) n-propylbenzene	11.305	91	3470	0.342	ug/l	96
79) 2-Chlorotoluene	11.305	91	3470	0.535	ug/l #	42
81) trans-1,4-Dichloro-2-b...	11.085	75	65821	68.889	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1786	0.233	ug/l	97

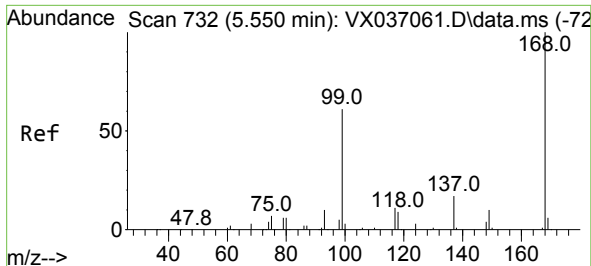
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

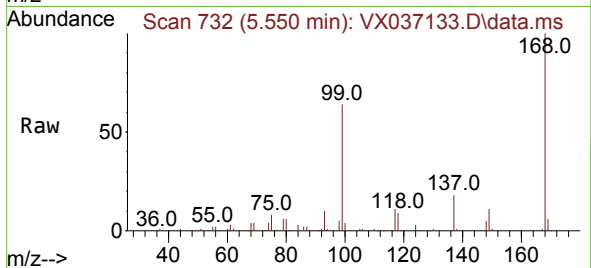
Quant Time: Aug 22 05:57:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



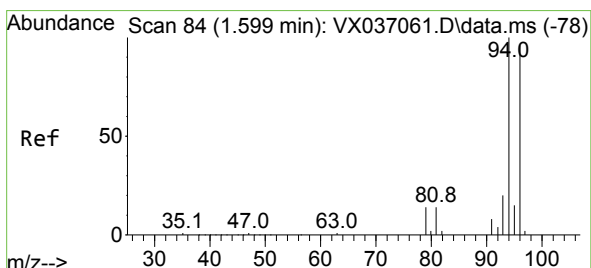
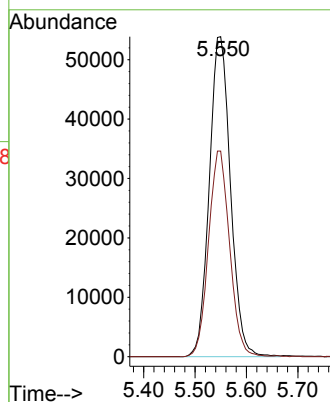
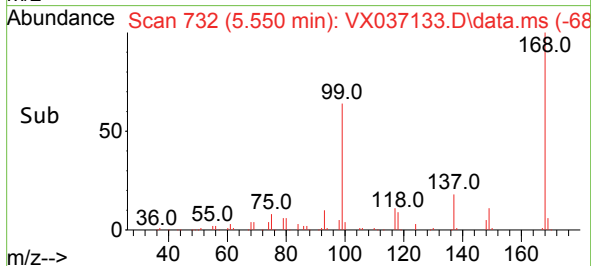


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :

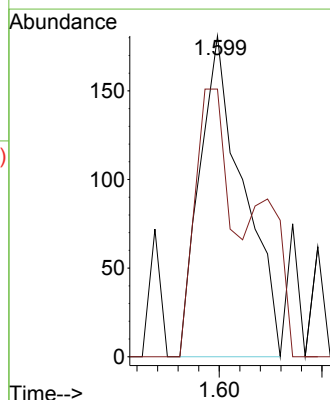
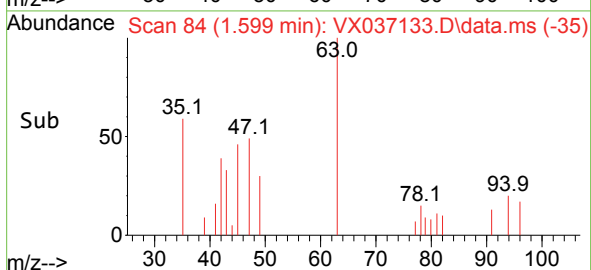
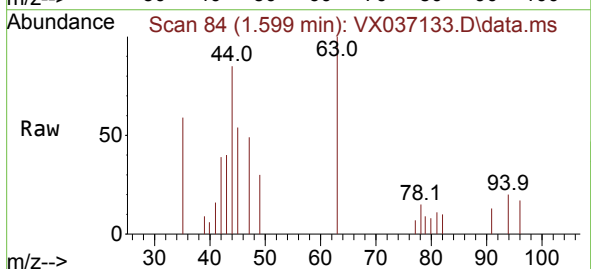


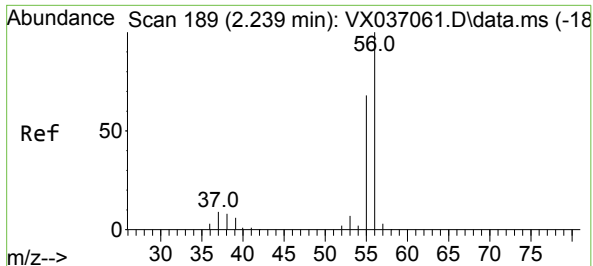
Tgt Ion:168 Resp: 154391
Ion Ratio Lower Upper
168 100
99 64.2 56.6 85.0



#5
Bromomethane
Concen: 0.314 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 83.4 74.6 111.8





#13

Acrolein

Concen: 0.579 ug/l

RT: 2.288 min Scan# 197

Delta R.T. 0.049 min

Lab File: VX037133.D

Acq: 21 Aug 2023 16:08

Instrument :

MSVOA_X

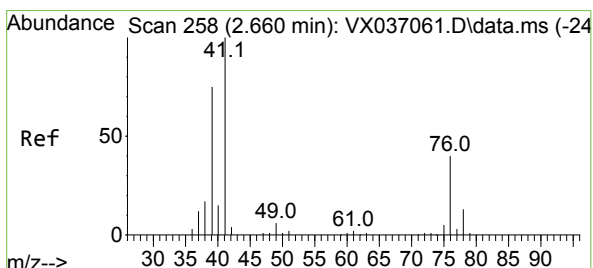
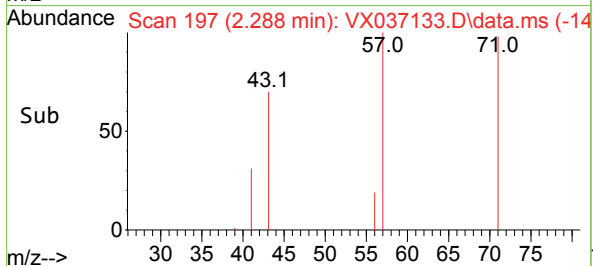
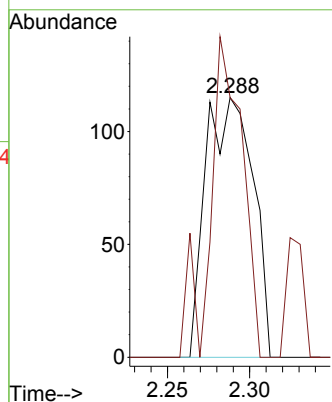
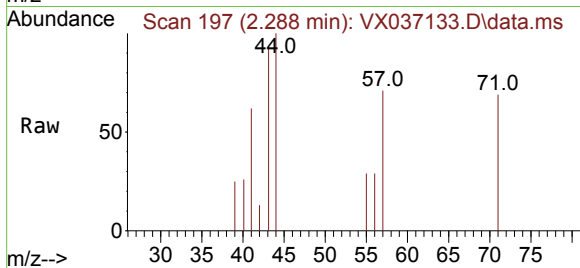
ClientSampleId :

Tgt Ion: 56 Resp: 230

Ion Ratio Lower Upper

56 100

55 84.3 57.1 85.7



#14

Allyl chloride

Concen: 0.652 ug/l

RT: 2.739 min Scan# 271

Delta R.T. 0.079 min

Lab File: VX037133.D

Acq: 21 Aug 2023 16:08

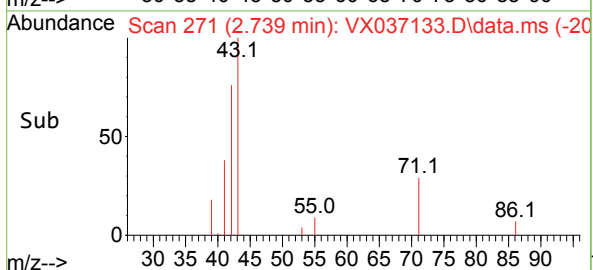
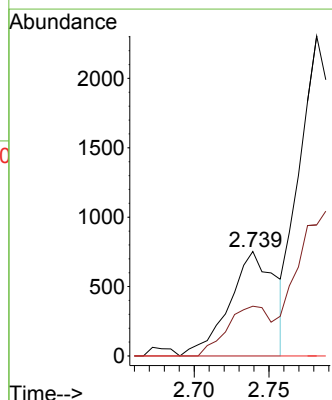
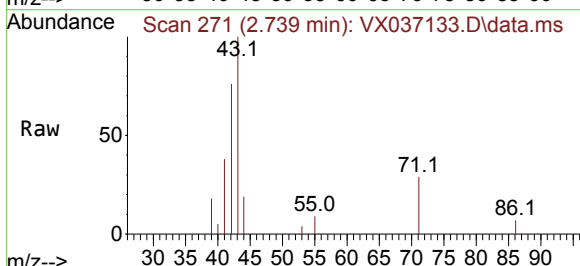
Tgt Ion: 41 Resp: 1605

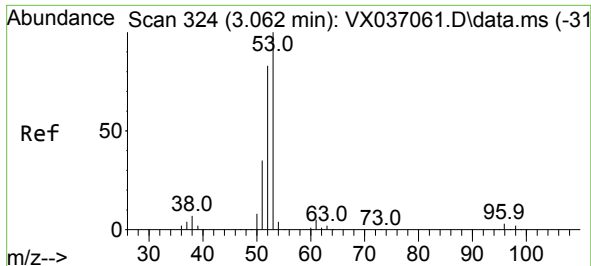
Ion Ratio Lower Upper

41 100

39 44.2 55.8 83.6#

76 0.0 24.3 36.5#

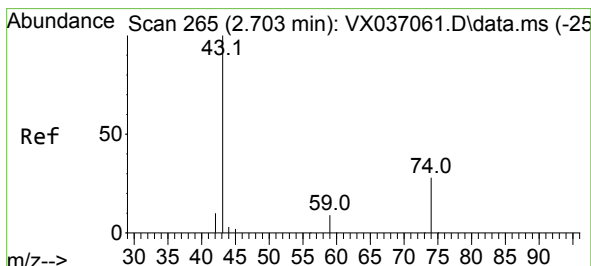
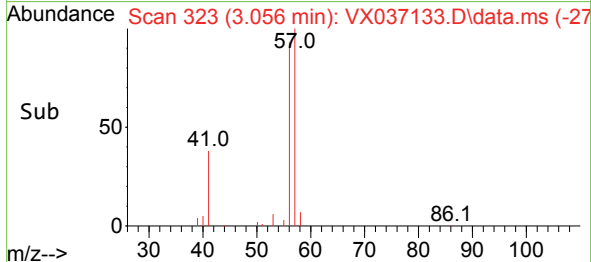
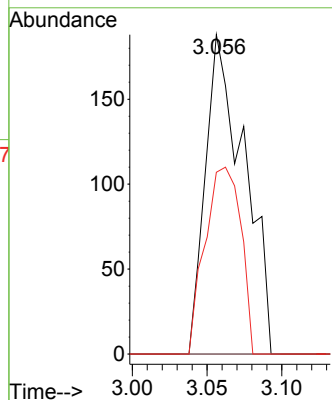
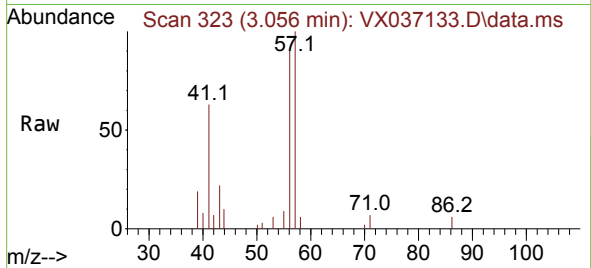




#15
Acrylonitrile
Concen: 0.364 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

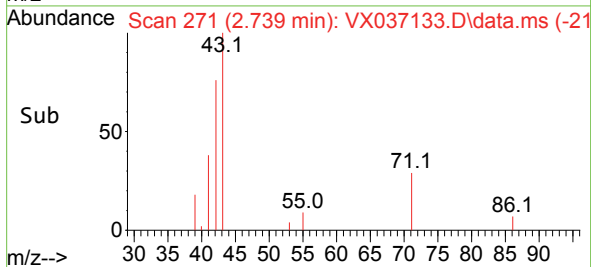
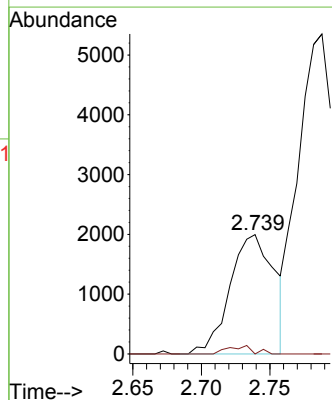
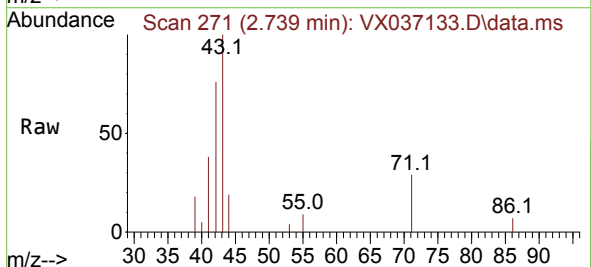
Instrument :
MSVOA_X
ClientSampleId :

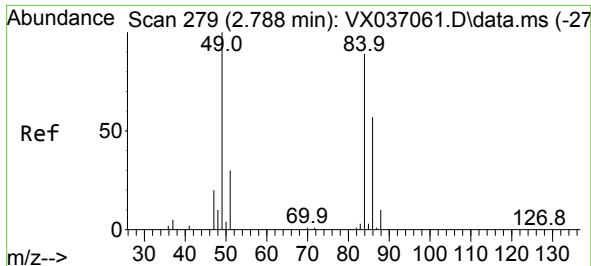
Tgt Ion: 53 Resp: 339
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 54.0 29.8 44.6#



#18
Methyl Acetate
Concen: 1.364 ug/l
RT: 2.739 min Scan# 271
Delta R.T. 0.037 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

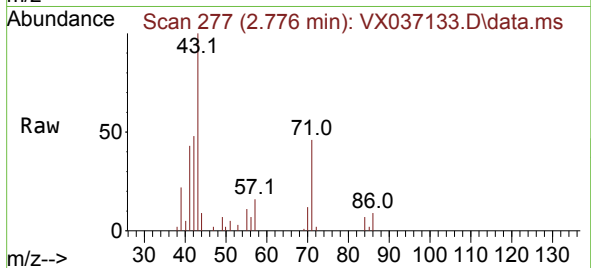
Tgt Ion: 43 Resp: 4472
Ion Ratio Lower Upper
43 100
74 3.9 17.8 26.8#



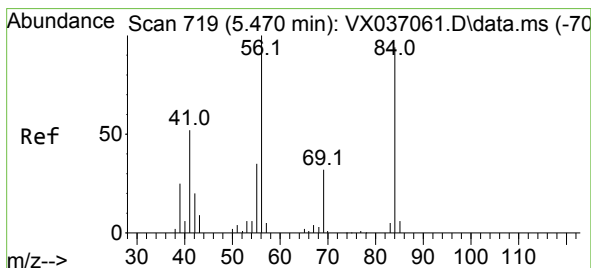
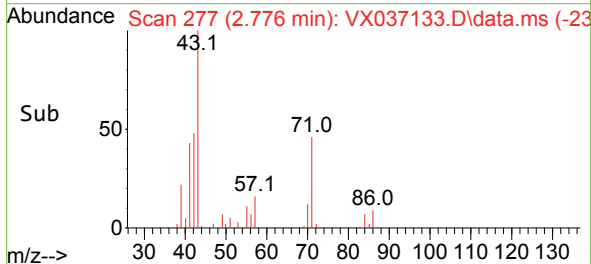
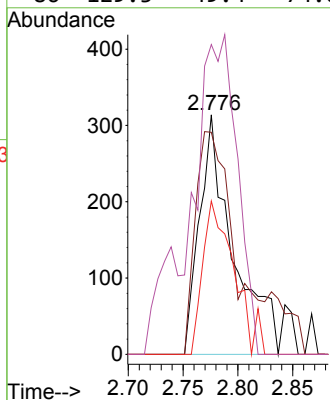


#20
Methylene Chloride
Concen: 0.343 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :

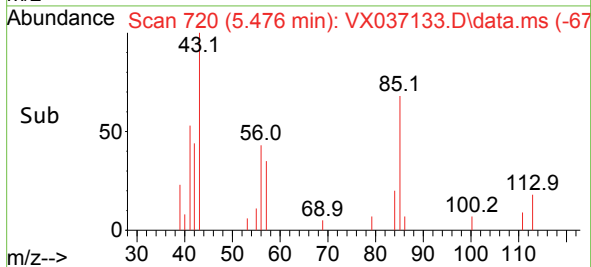
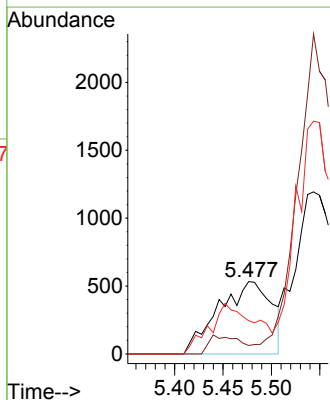
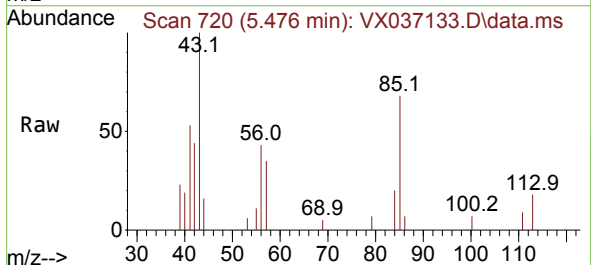


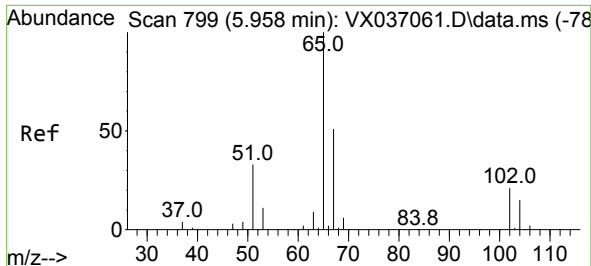
Tgt Ion: 84 Resp: 667
Ion Ratio Lower Upper
84 100
49 92.7 103.6 155.4#
51 64.0 33.8 50.6#
86 129.3 49.4 74.0#



#31
Cyclohexane
Concen: 0.810 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Tgt Ion: 56 Resp: 2028
Ion Ratio Lower Upper
56 100
69 11.6 23.4 35.2#
84 46.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.366 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037133.D

Acq: 21 Aug 2023 16:08

Instrument :

MSVOA_X

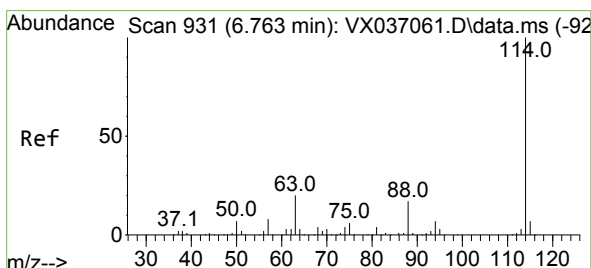
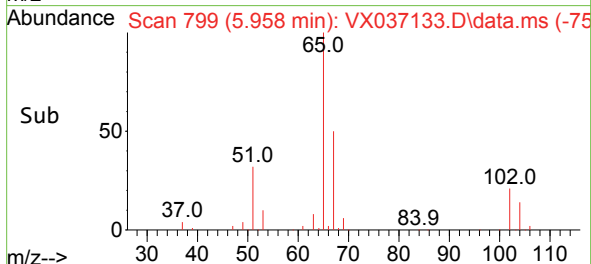
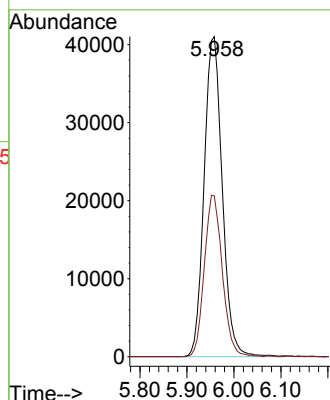
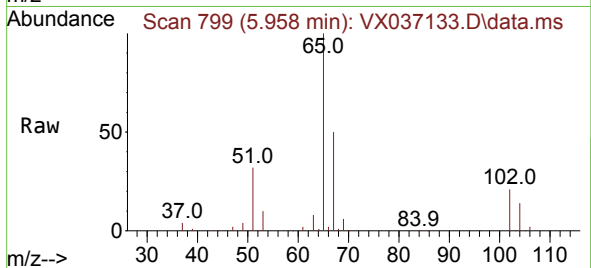
ClientSampleId :

Tgt Ion: 65 Resp: 109881

Ion Ratio Lower Upper

65 100

67 50.0 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: VX037133.D

Acq: 21 Aug 2023 16:08

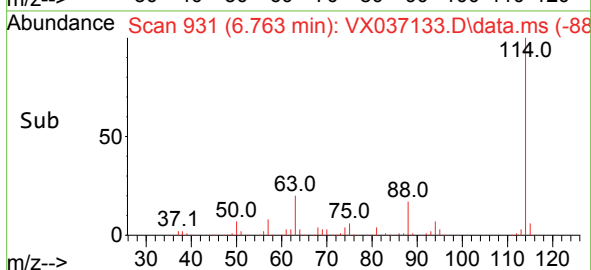
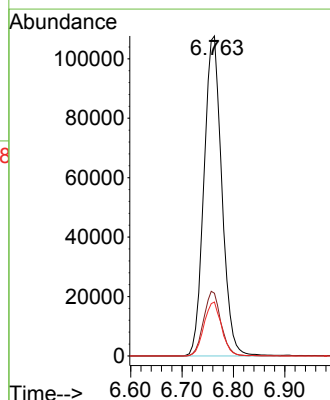
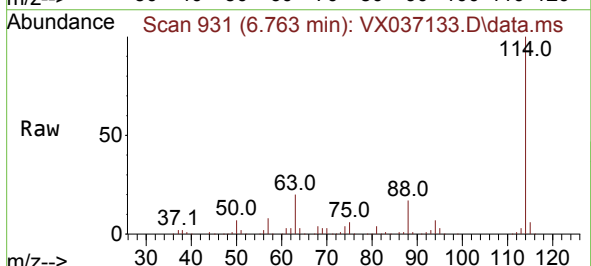
Tgt Ion:114 Resp: 259869

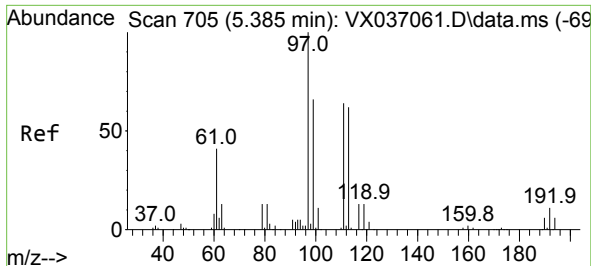
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

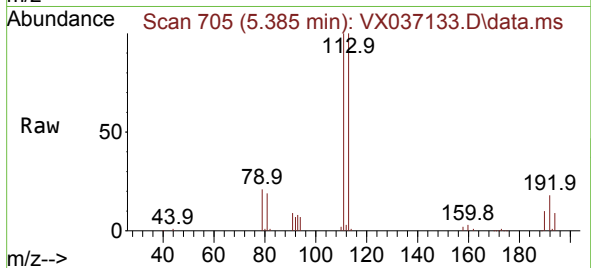
88 16.9 0.0 36.6



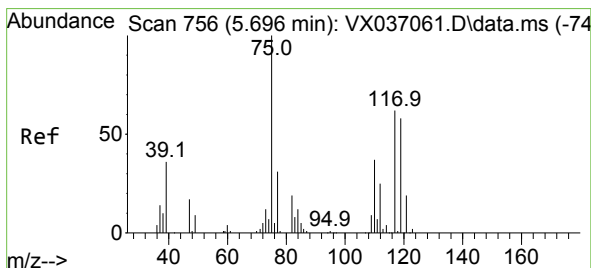
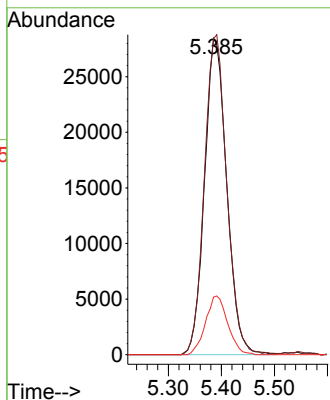
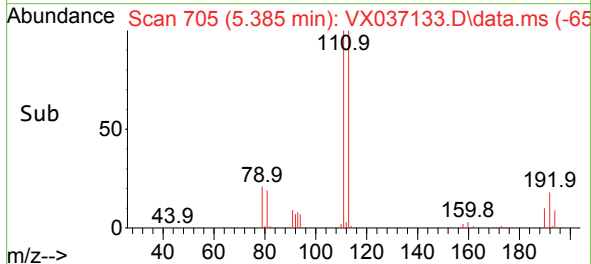


#35
Dibromofluoromethane
Concen: 48.181 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :

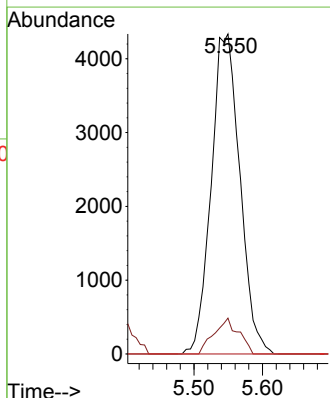
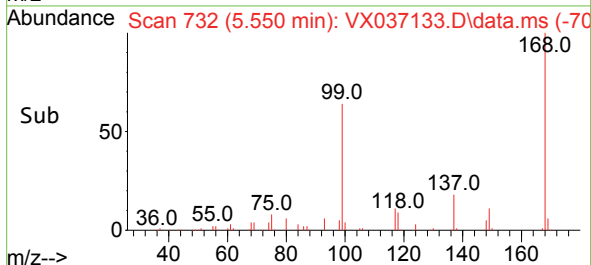
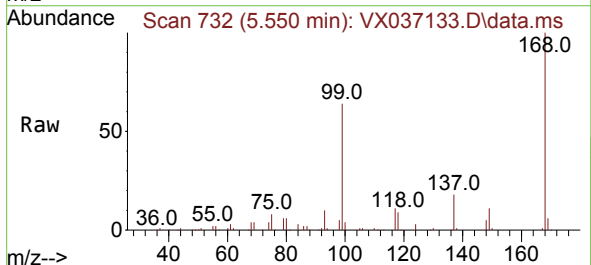


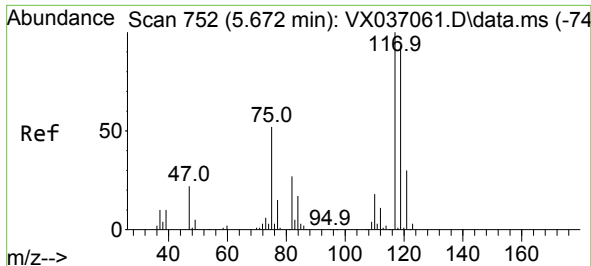
Tgt Ion:113 Resp: 82922
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.151 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

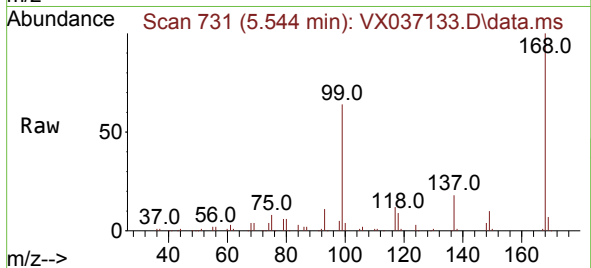
Tgt Ion: 75 Resp: 12596
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



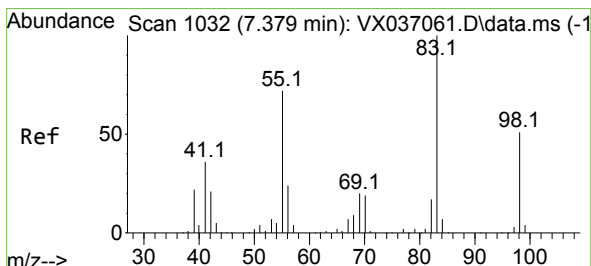
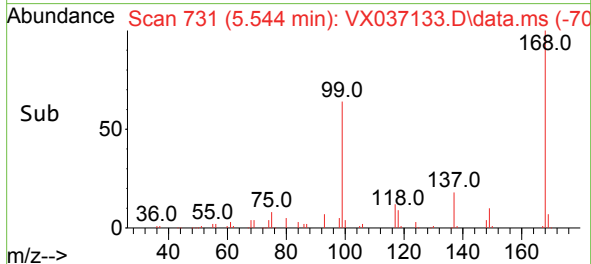
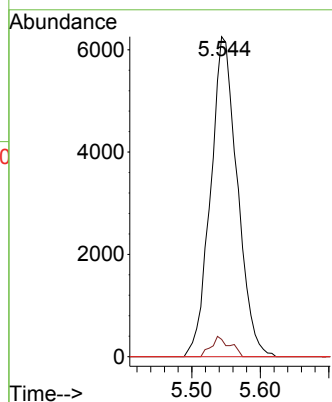


#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :

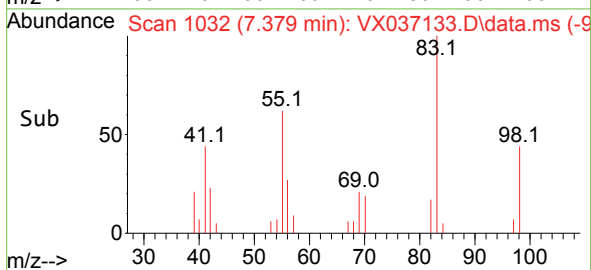
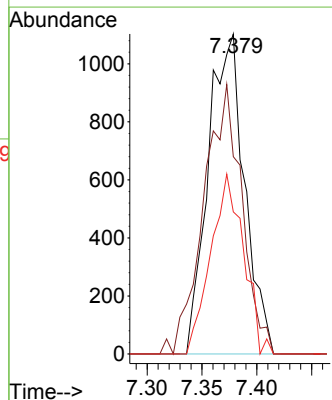
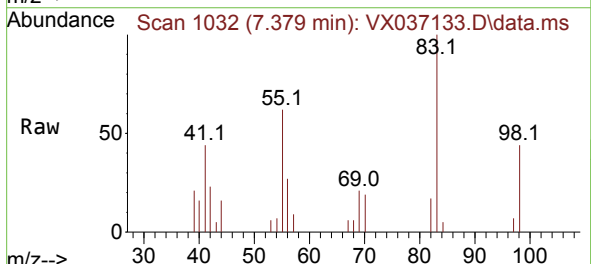


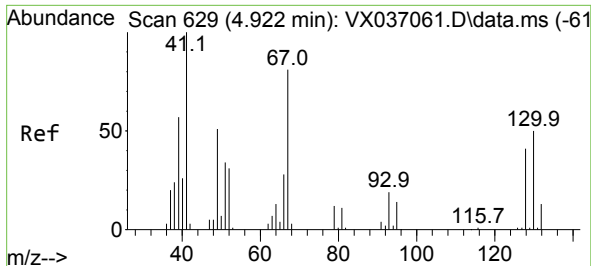
Tgt Ion:117 Resp: 16943
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.990 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Tgt Ion: 83 Resp: 2544
Ion Ratio Lower Upper
83 100
55 61.7 64.6 97.0#
98 44.4 36.7 55.1

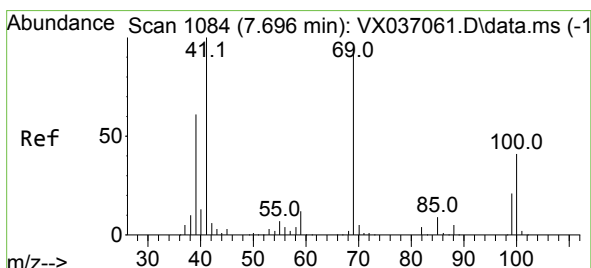
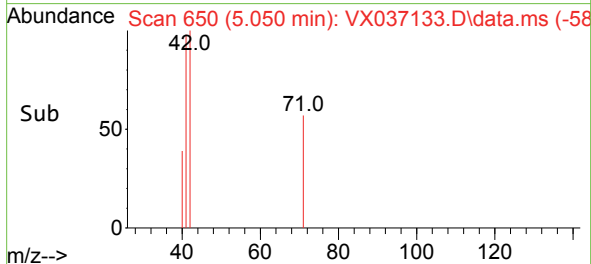
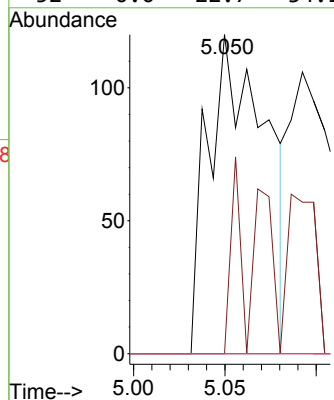
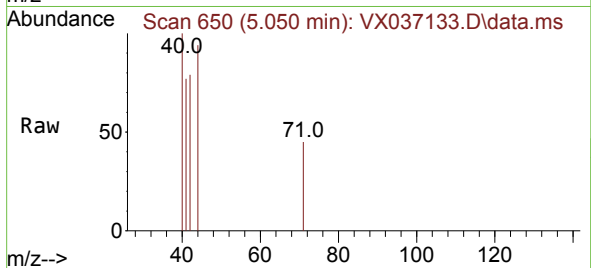




#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.128 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

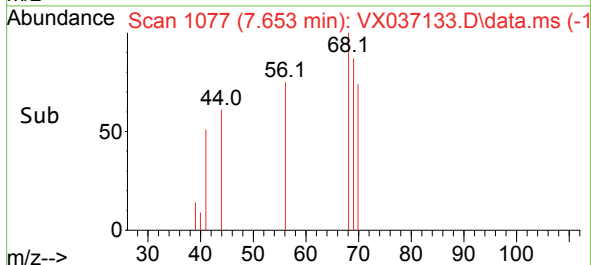
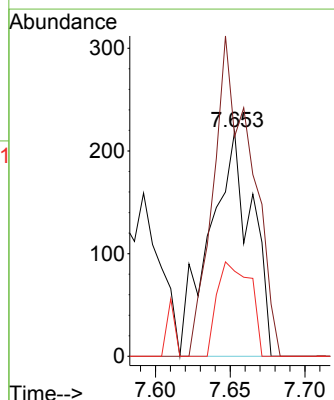
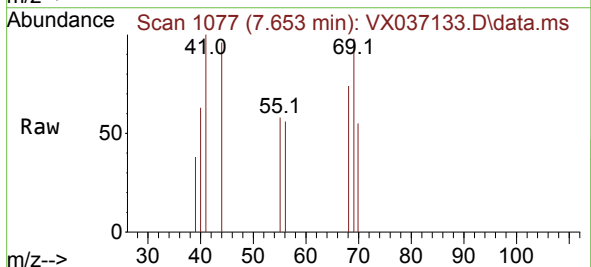
Instrument :
MSVOA_X
ClientSampleId :

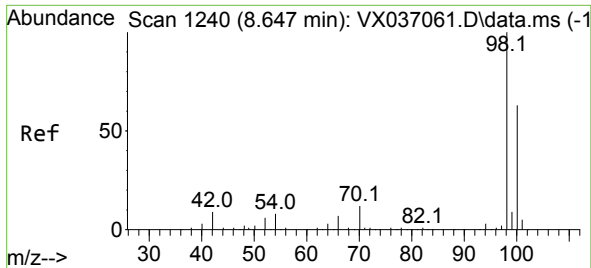
Tgt Ion: 41 Resp: 264
Ion Ratio Lower Upper
41 100
39 10.2 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#48
Methyl methacrylate
Concen: 0.221 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.043 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Tgt Ion: 41 Resp: 428
Ion Ratio Lower Upper
41 100
69 128.5 59.2 88.8#
39 33.2 47.7 71.5#

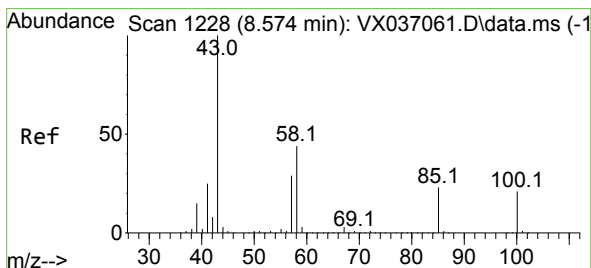
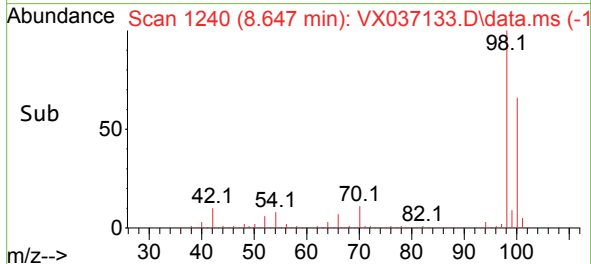
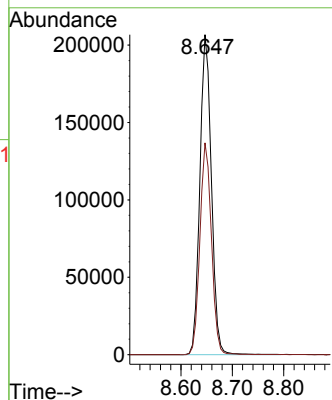
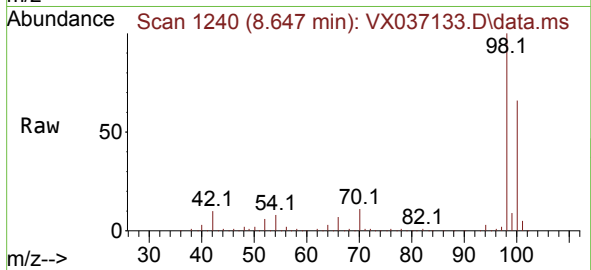




#50
Toluene-d8
Concen: 51.510 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

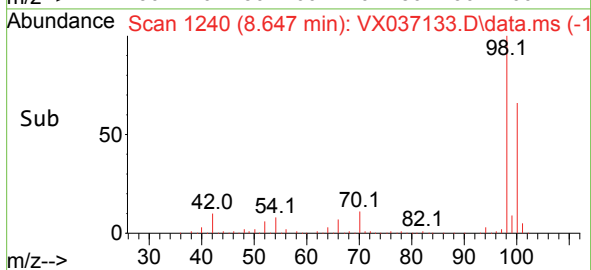
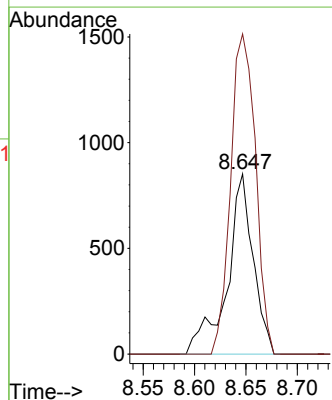
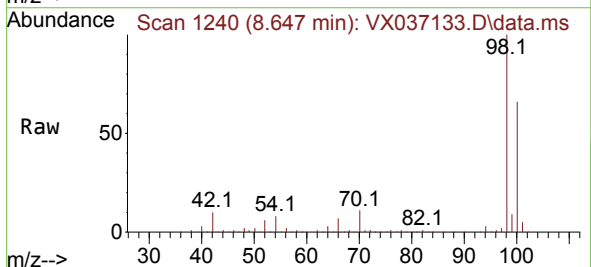
Instrument :
MSVOA_X
ClientSampleId :

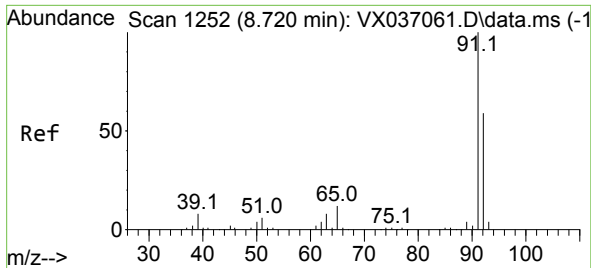
Tgt Ion: 98 Resp: 321571
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.622 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
58 170.5 30.4 45.6#

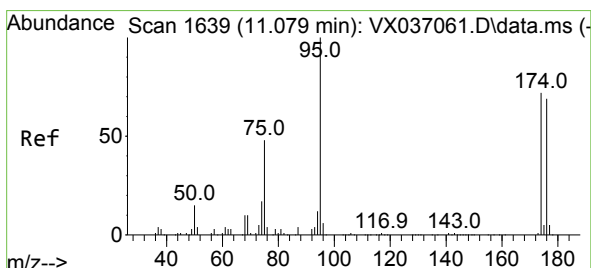
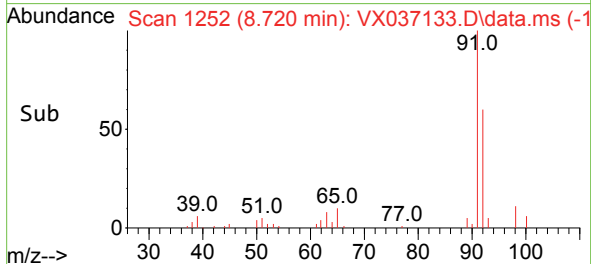
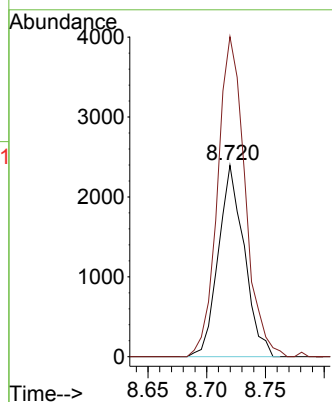
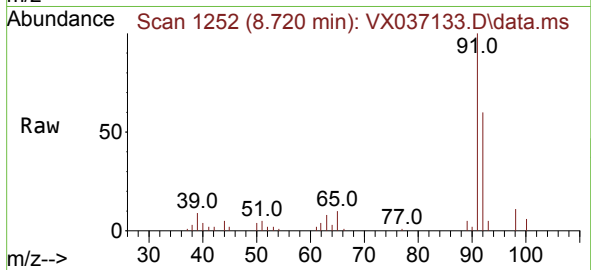




#52
Toluene
Concen: 0.794 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

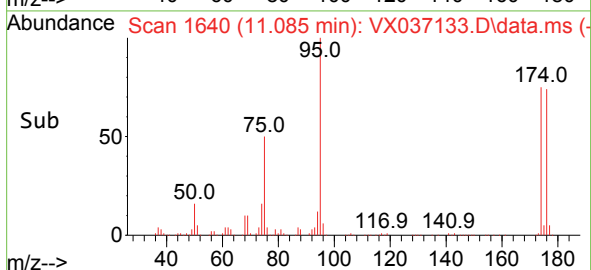
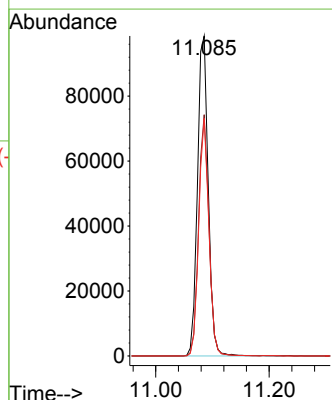
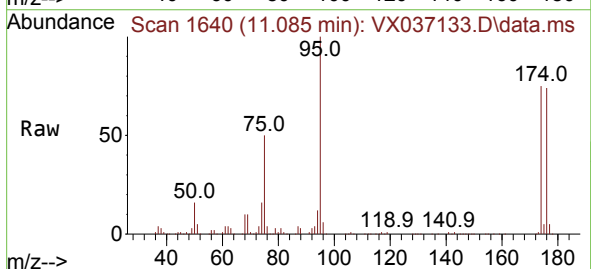
Instrument :
MSVOA_X
ClientSampleId :

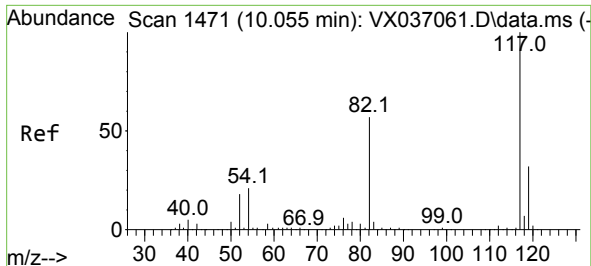
Tgt Ion: 92 Resp: 3679
Ion Ratio Lower Upper
92 100
91 177.0 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 52.920 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

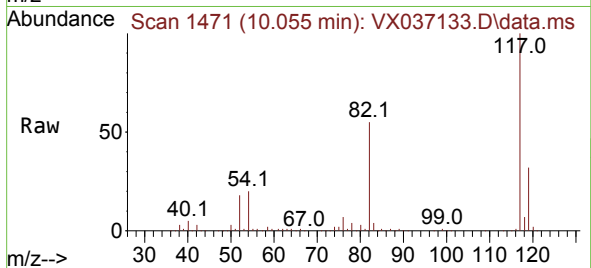
Tgt Ion: 95 Resp: 129832
Ion Ratio Lower Upper
95 100
174 72.4 0.0 135.6
176 69.8 0.0 131.0



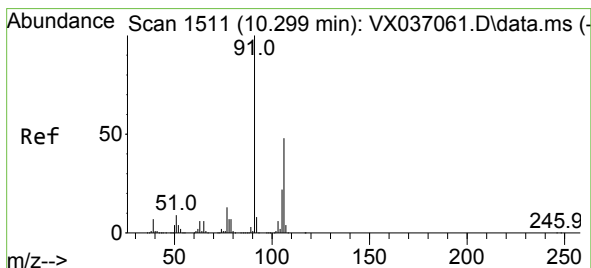
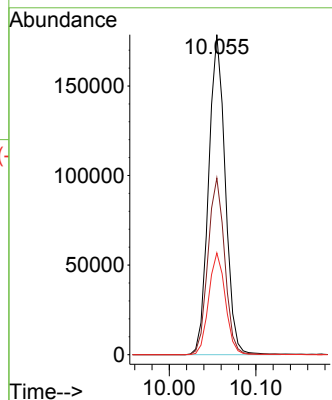
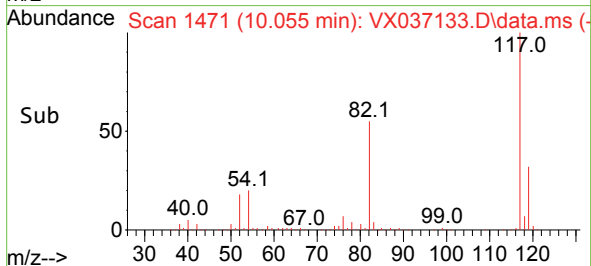


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :

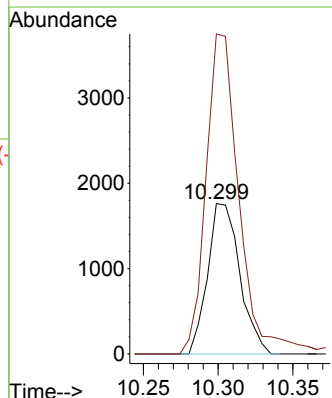
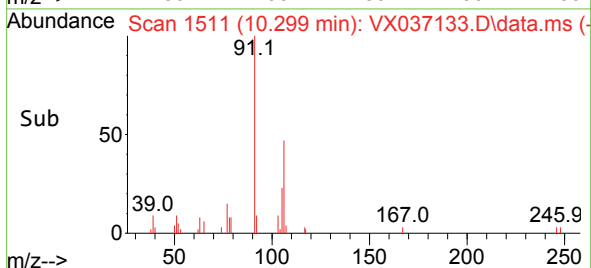
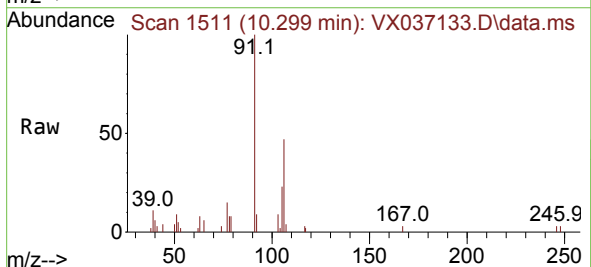


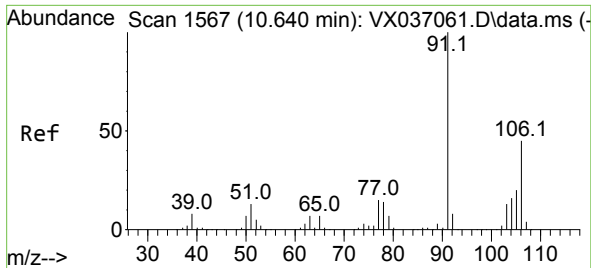
Tgt Ion:117 Resp: 238141
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 0.768 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Tgt Ion:106 Resp: 2628
Ion Ratio Lower Upper
106 100
91 219.9 165.5 248.3

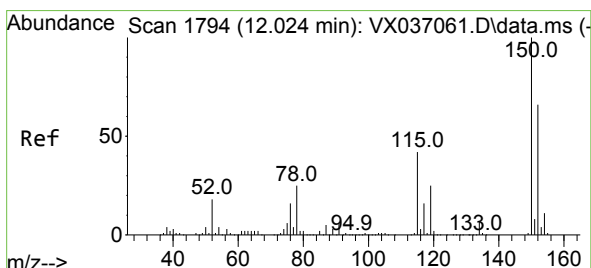
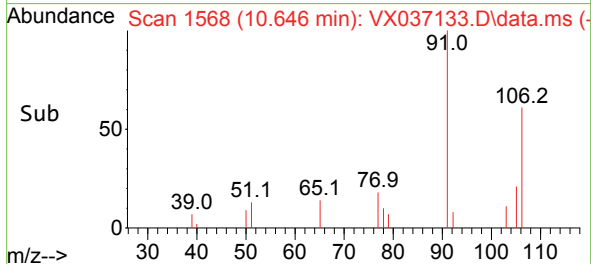
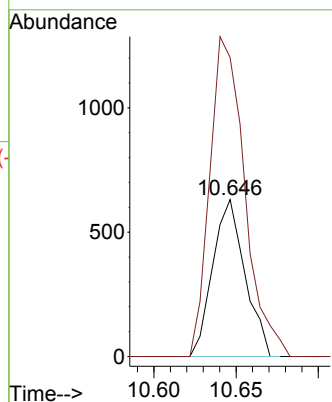
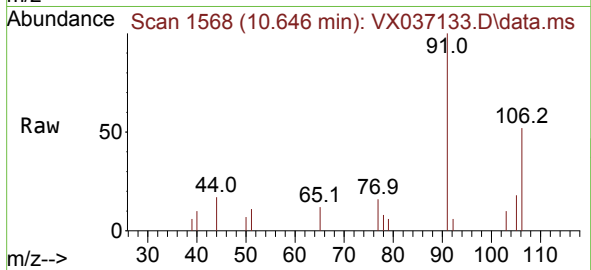




#69
o-Xylene
Concen: 0.255 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

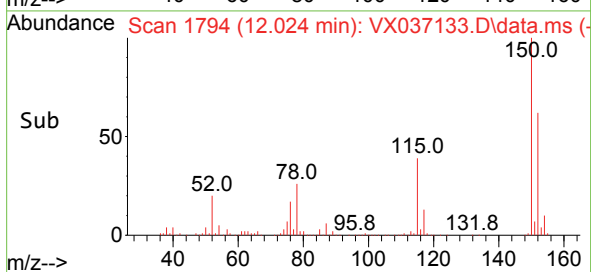
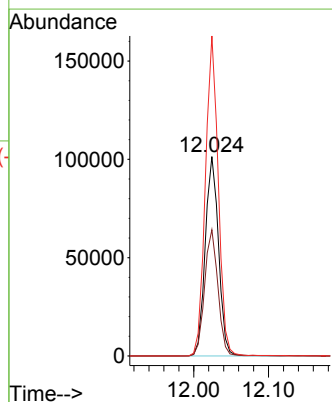
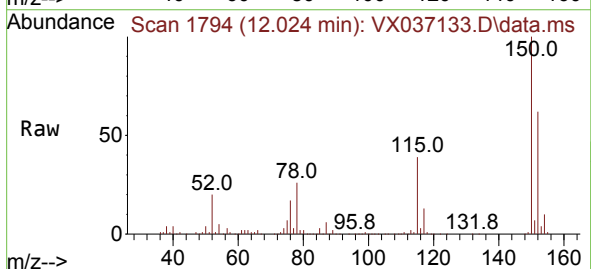
Instrument :
MSVOA_X
ClientSampleId :

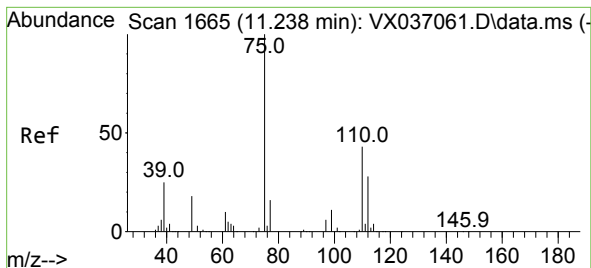
Tgt Ion:106 Resp: 861
Ion Ratio Lower Upper
106 100
91 220.4 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Tgt Ion:152 Resp: 125309
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 155.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.664 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.152 min

Lab File: VX037133.D

Acq: 21 Aug 2023 16:08

Instrument :

MSVOA_X

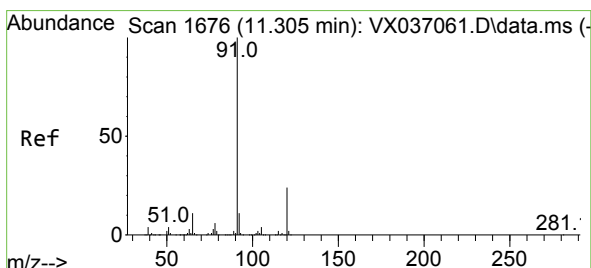
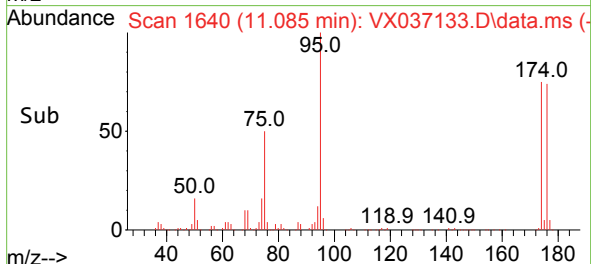
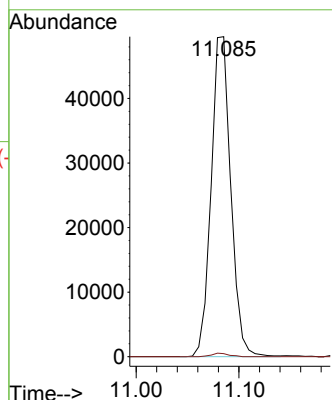
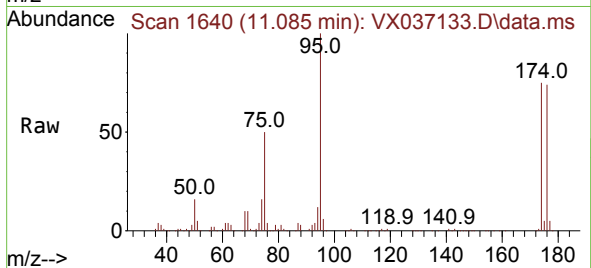
ClientSampleId :

Tgt Ion: 75 Resp: 65821

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#78

n-propylbenzene

Concen: 0.342 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037133.D

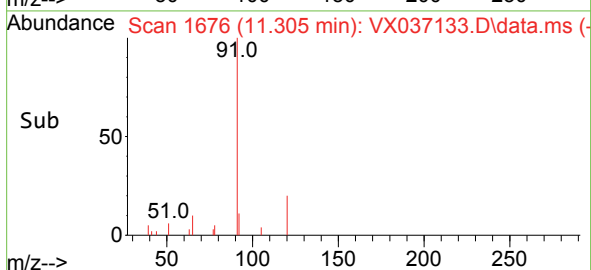
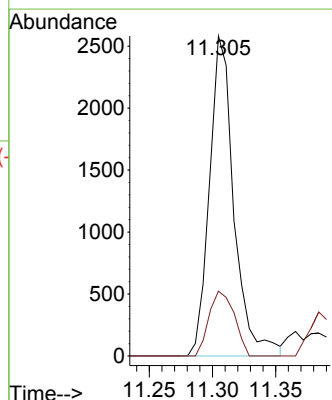
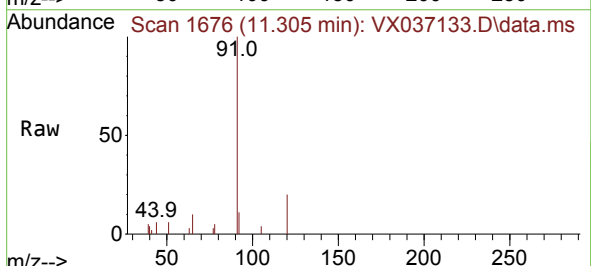
Acq: 21 Aug 2023 16:08

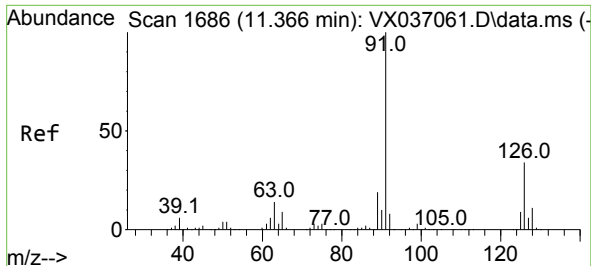
Tgt Ion: 91 Resp: 3470

Ion Ratio Lower Upper

91 100

120 21.0 11.5 34.4

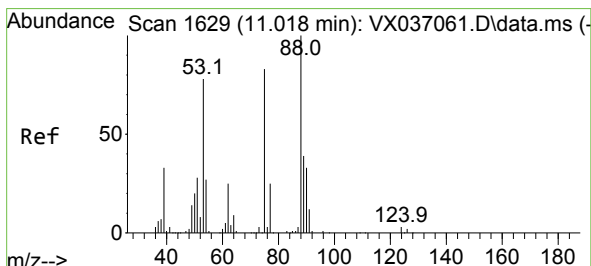
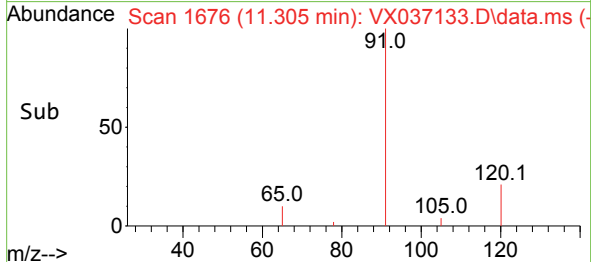
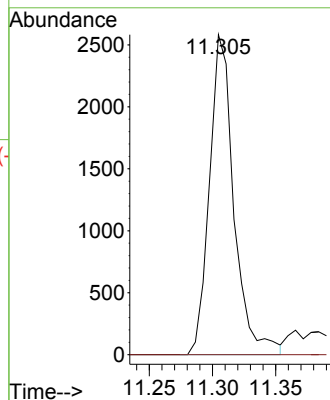
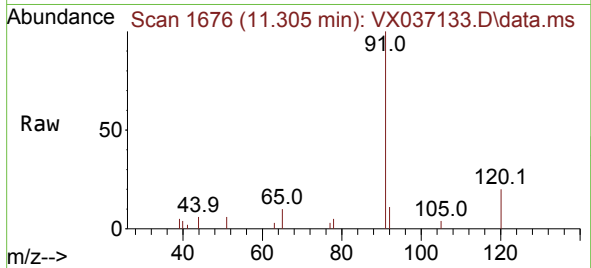




#79
2-Chlorotoluene
Concen: 0.535 ug/l
RT: 11.305 min Scan# 1640
Delta R.T. -0.061 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

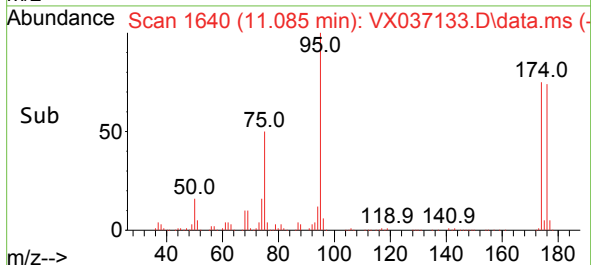
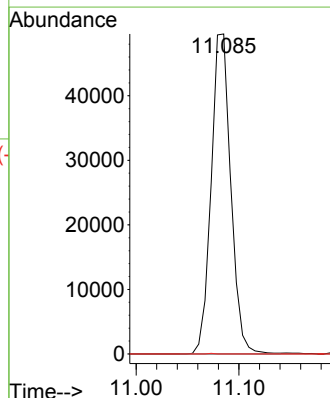
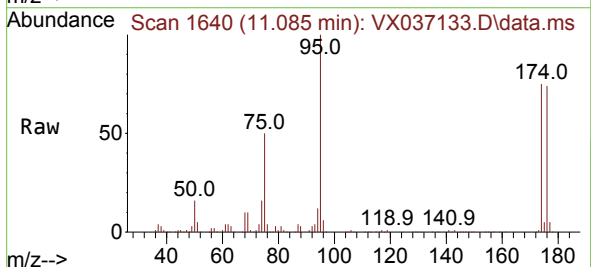
Instrument :
MSVOA_X
ClientSampleId :

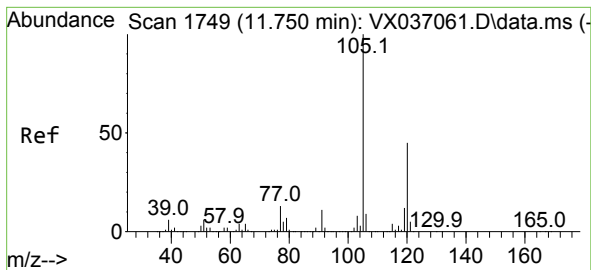
Tgt Ion: 91 Resp: 3470
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.889 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

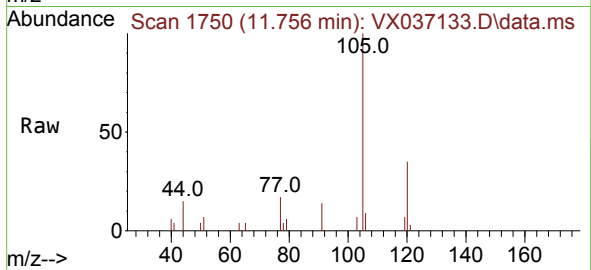
Tgt Ion: 75 Resp: 65821
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#





#84
1,2,4-Trimethylbenzene
Concen: 0.233 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037133.D
Acq: 21 Aug 2023 16:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:105 Resp: 1786
Ion Ratio Lower Upper
105 100
120 40.6 21.2 63.6

