

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037671.D
 Acq On : 12 Sep 2023 16:13
 Operator : JC/MD
 Sample : 04256-03ME
 Misc : 6.36g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 01:46:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

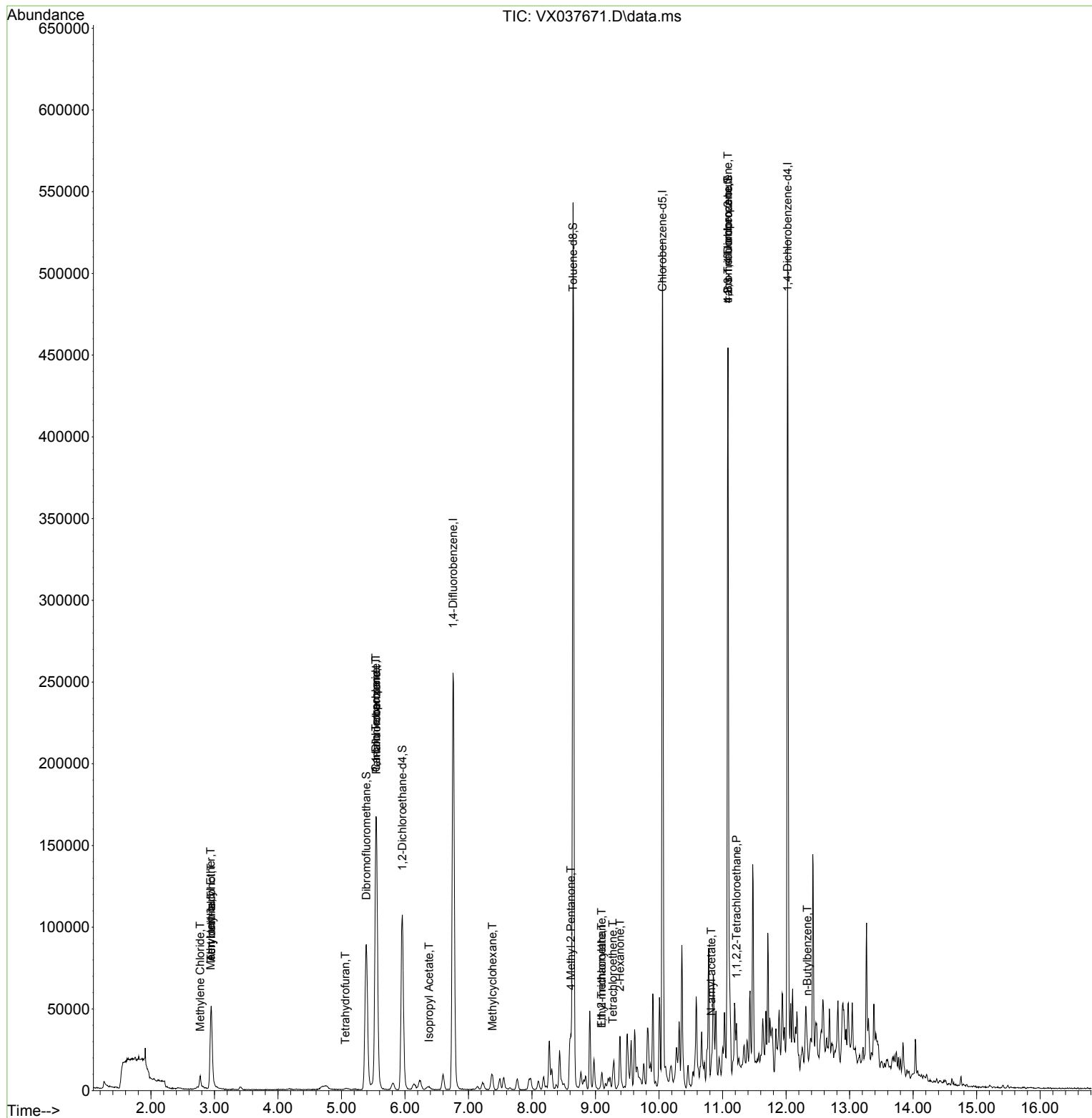
Internal Standards						
1) Pentafluorobenzene	5.550	168	158519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103550	40.375	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	80.740%
35) Dibromofluoromethane	5.391	113	78383	41.690	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.380%
50) Toluene-d8	8.647	98	319880	45.111	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.220%#
62) 4-Bromofluorobenzene	11.085	95	106876	41.778	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	31895	51.458	ug/l #	83
15) Acrylonitrile	2.947	53	604	0.514	ug/l #	31
19) Methyl tert-butyl Ether	2.940	73	1717	0.267	ug/l #	89
20) Methylene Chloride	2.776	84	4533	1.013	ug/l #	88
29) Tetrahydrofuran	5.062	42	936	0.869	ug/l #	66
36) 1,1-Dichloropropene	5.544	75	13347	5.218	ug/l #	51
38) Carbon Tetrachloride	5.544	117	16475	6.305	ug/l #	16
39) Methylcyclohexane	7.379	83	4032	1.332	ug/l	92
43) Isopropyl Acetate	6.379	43	1069	0.229	ug/l #	62
51) 4-Methyl-2-Pentanone	8.610	43	3121	1.018	ug/l #	37
55) 1,1,2-Trichloroethane	9.098	97	3482	1.659	ug/l #	23
56) Ethyl methacrylate	9.098	69	850	0.265	ug/l #	1
59) 2-Hexanone	9.384	43	10559	4.462	ug/l #	31
64) Tetrachloroethene	9.275	164	1006	0.667	ug/l	95
74) N-amyl acetate	10.823	43	2159	0.678	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.219	83	2440	0.893	ug/l #	26
76) 1,2,3-Trichloropropane	11.085	75	55870	26.053	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55870	79.194	ug/l #	5
89) n-Butylbenzene	12.335	91	1865	0.330	ug/l #	56

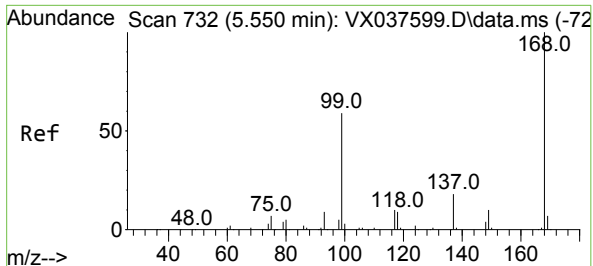
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 13 01:46:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
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QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

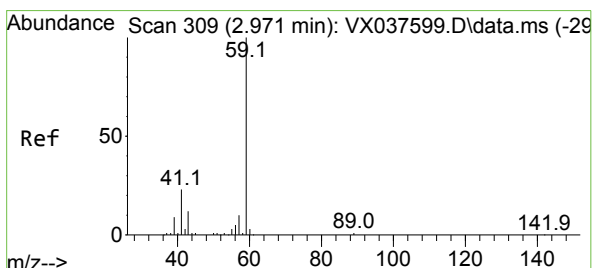
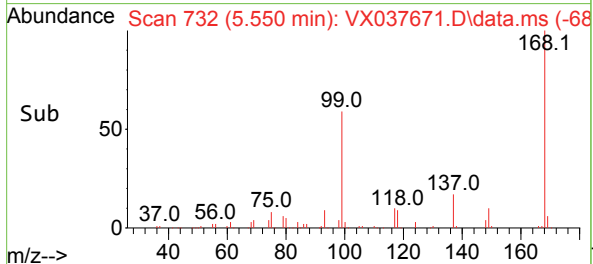
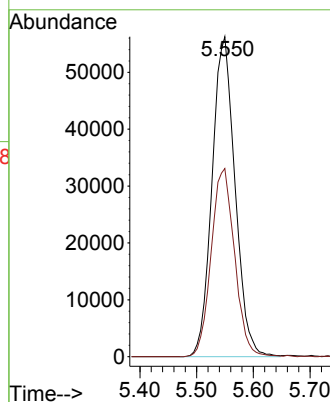
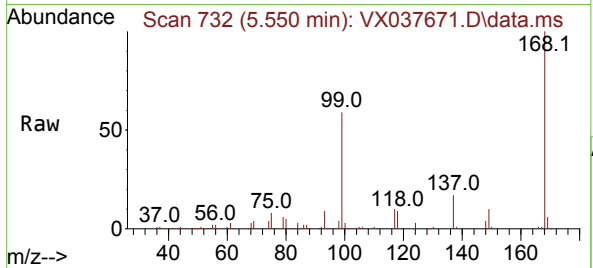




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

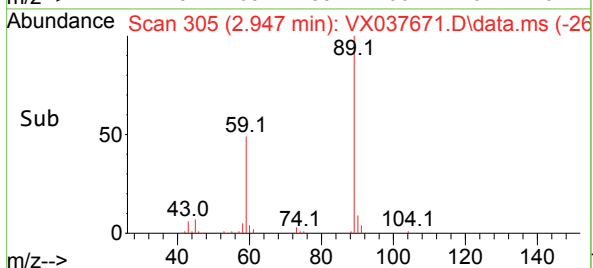
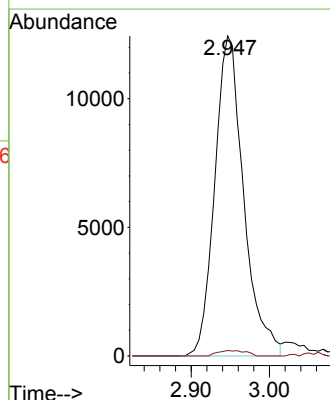
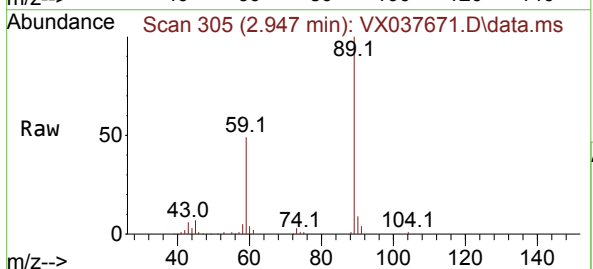
Instrument :
MSVOA_X
ClientSampleId :

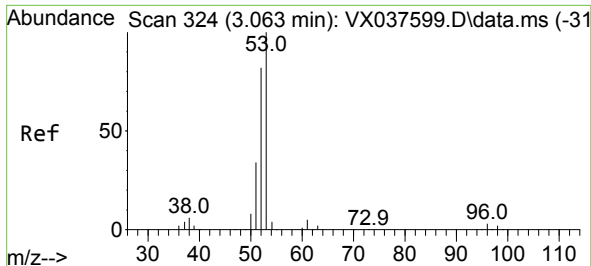
Tgt Ion:168 Resp: 158519
Ion Ratio Lower Upper
168 100
99 58.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 51.458 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

Tgt Ion: 59 Resp: 31895
Ion Ratio Lower Upper
59 100
57 1.7 6.0 9.0#

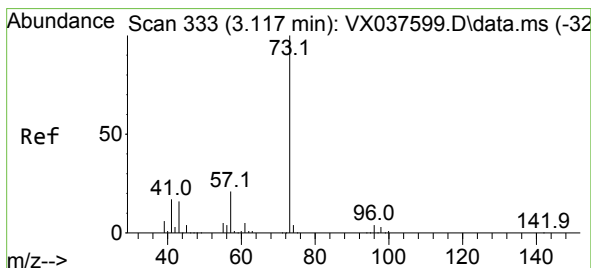
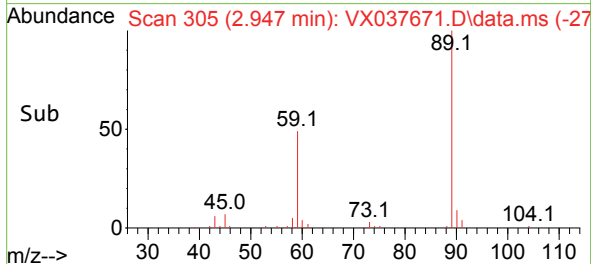
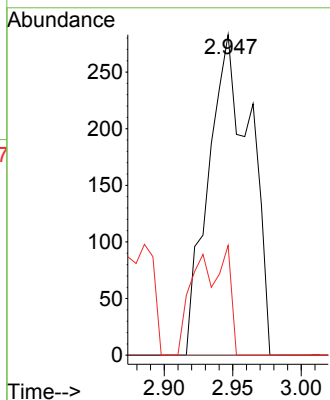
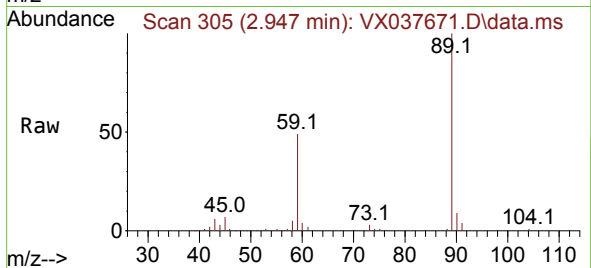




#15
Acrylonitrile
Concen: 0.514 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.116 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

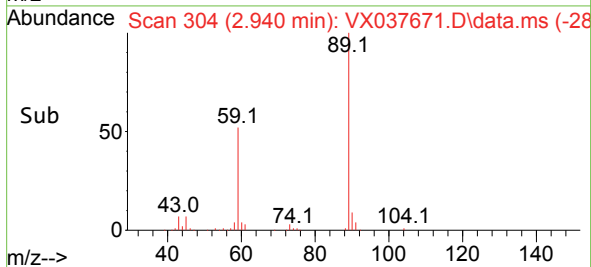
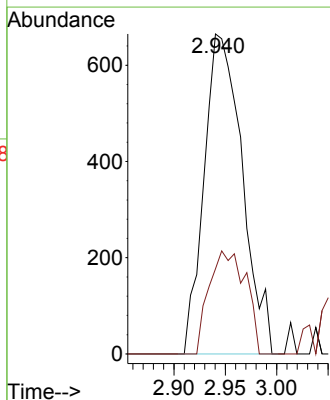
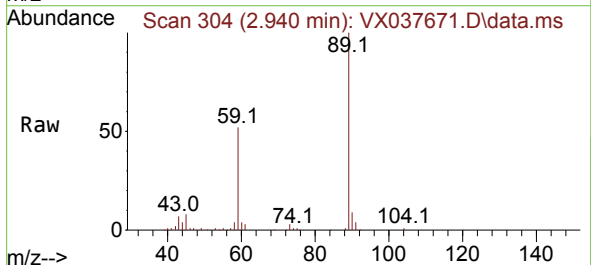
Instrument :
MSVOA_X
ClientSampleId :

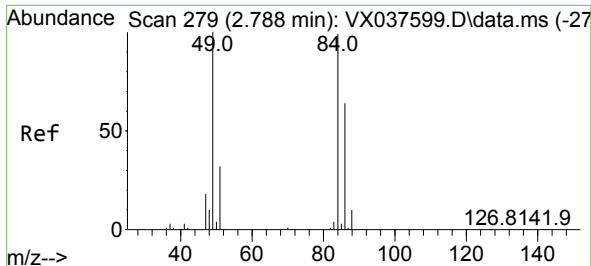
Tgt Ion: 53 Resp: 604
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 27.0 29.8 44.6#



#19
Methyl tert-butyl Ether
Concen: 0.267 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.177 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

Tgt Ion: 73 Resp: 1717
Ion Ratio Lower Upper
73 100
57 26.6 17.3 25.9#





#20

Methylene Chloride

Concen: 1.013 ug/l

RT: 2.776 min Scan# 21

Delta R.T. -0.012 min

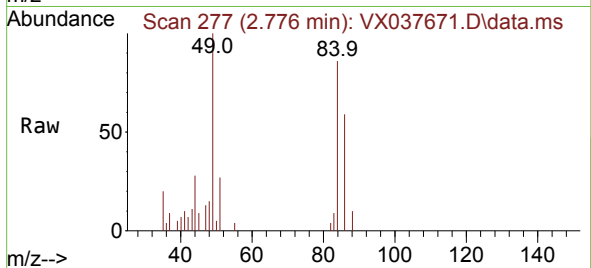
Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4533

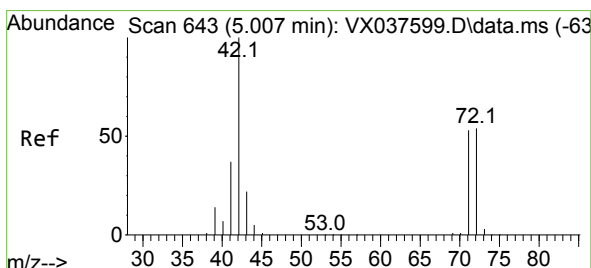
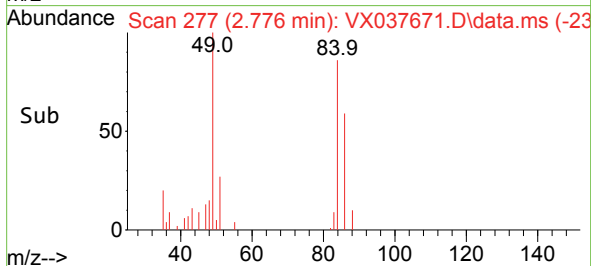
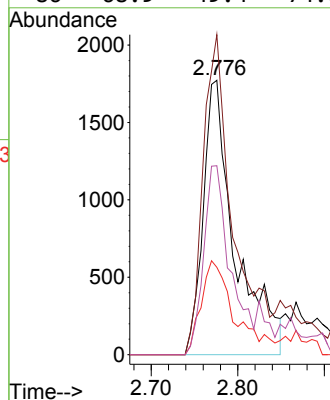
Ion Ratio Lower Upper

84 100

49 116.6 103.6 155.4

51 31.8 33.8 50.6#

86 68.9 49.4 74.0



#29

Tetrahydrofuran

Concen: 0.869 ug/l

RT: 5.062 min Scan# 652

Delta R.T. 0.055 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

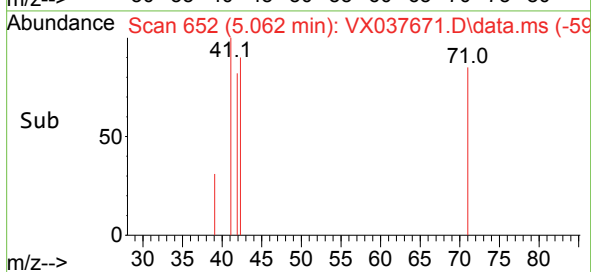
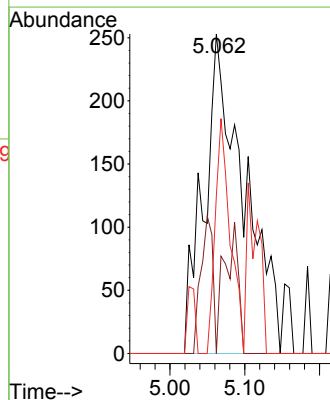
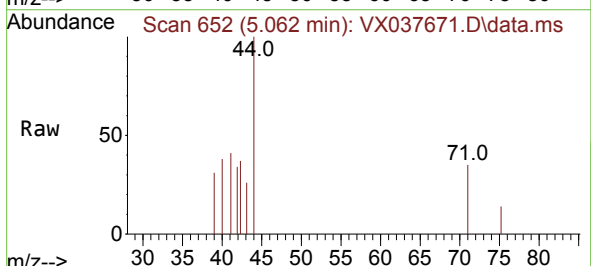
Tgt Ion: 42 Resp: 936

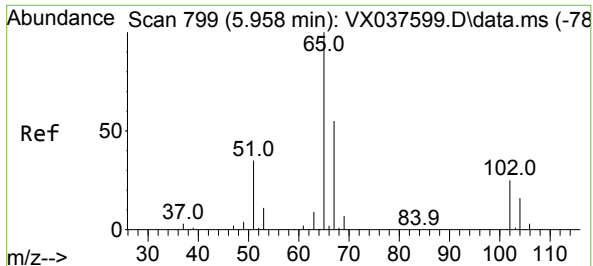
Ion Ratio Lower Upper

42 100

72 12.8 34.2 51.4#

71 27.9 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 40.375 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

Instrument :

MSVOA_X

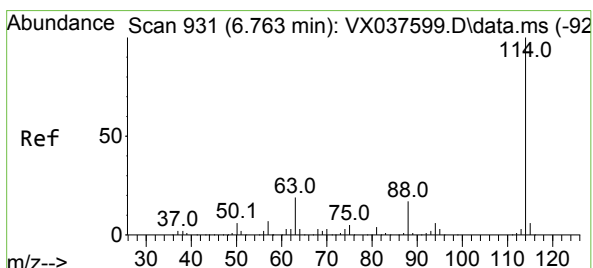
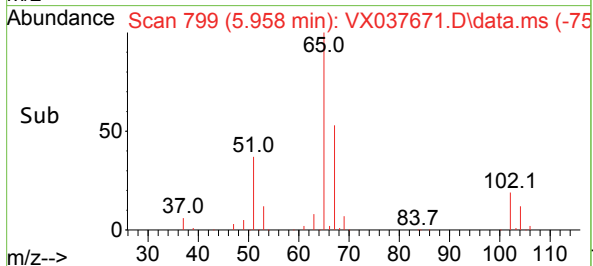
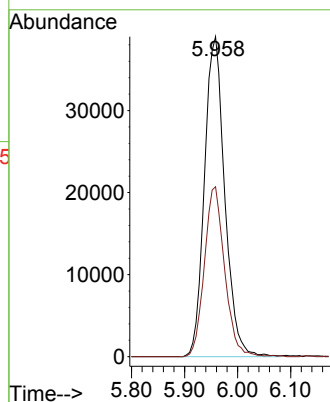
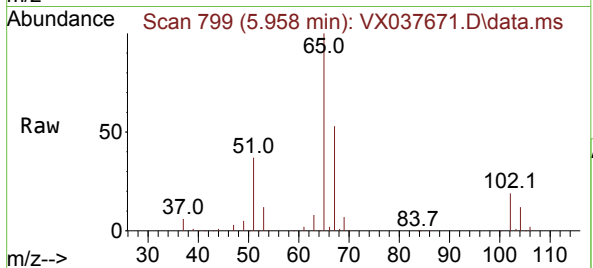
ClientSampleId :

Tgt Ion: 65 Resp: 103550

Ion Ratio Lower Upper

65 100

67 53.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

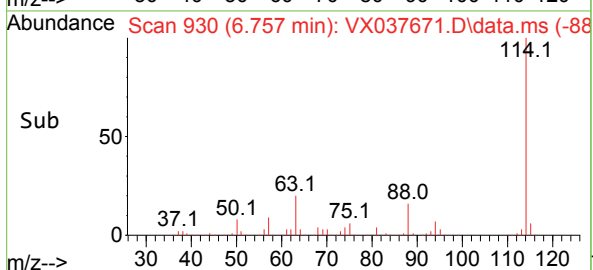
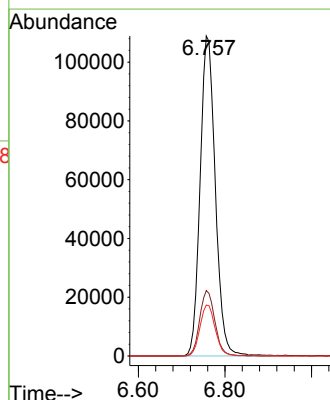
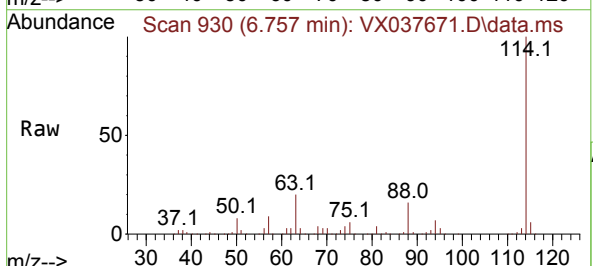
Tgt Ion: 114 Resp: 265255

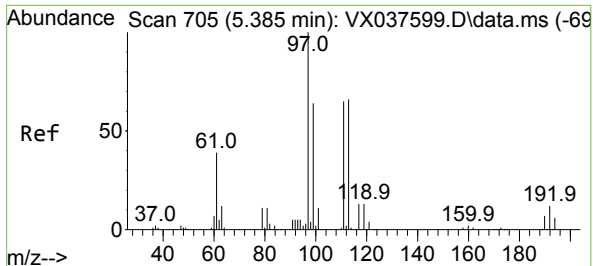
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

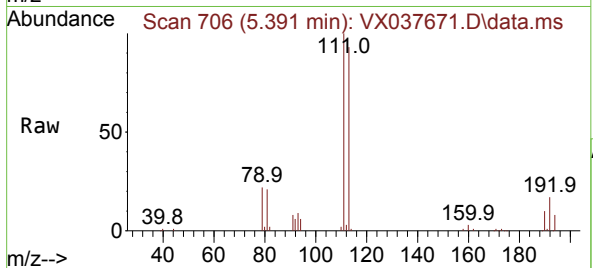
88 15.9 0.0 36.6



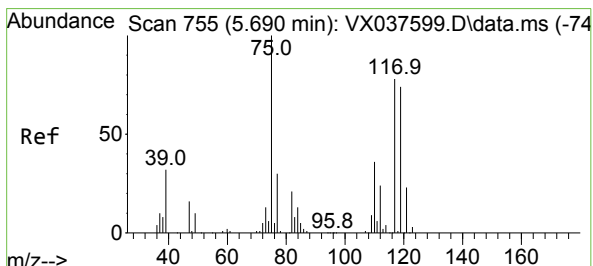
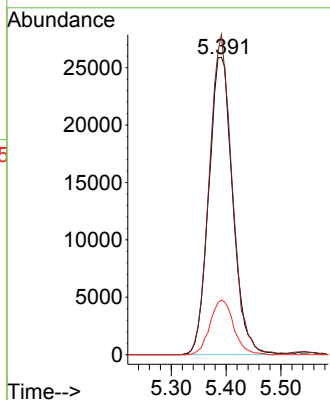
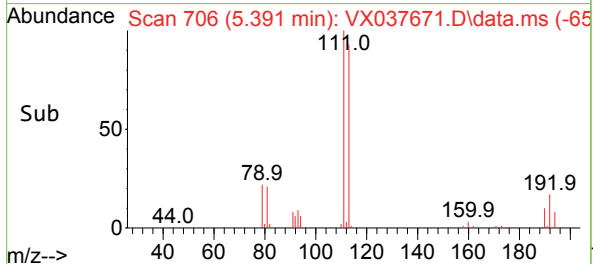


#35
 Dibromofluoromethane
 Concen: 41.690 ug/l
 RT: 5.391 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX037671.D
 Acq: 12 Sep 2023 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

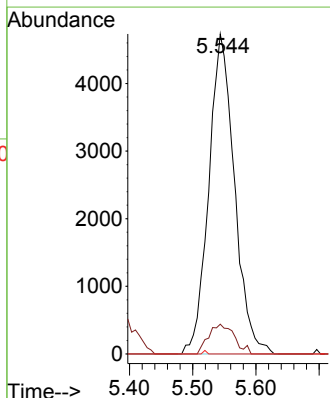
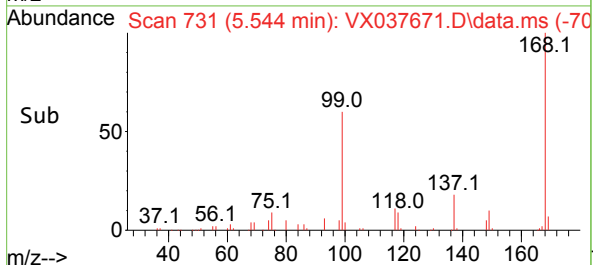
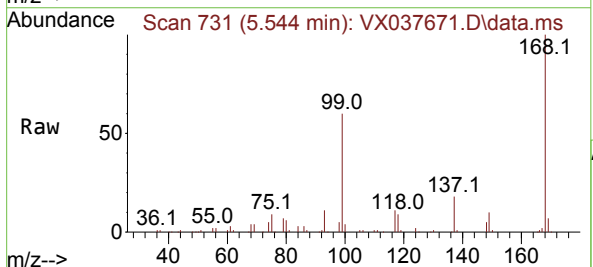


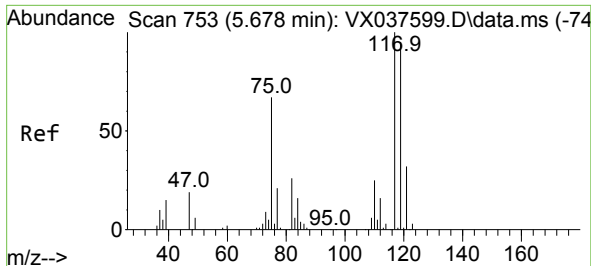
Tgt Ion:113 Resp: 78383
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 18.2 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 5.218 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.146 min
 Lab File: VX037671.D
 Acq: 12 Sep 2023 16:13

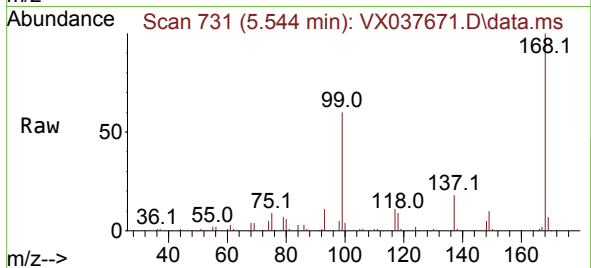
Tgt Ion: 75 Resp: 13347
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.0 50.9#
 77 0.0 24.7 37.1#



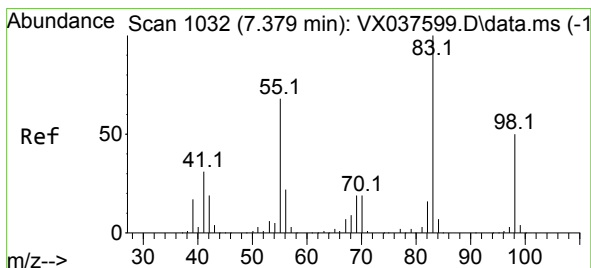
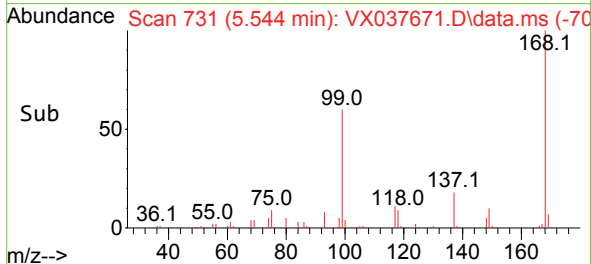
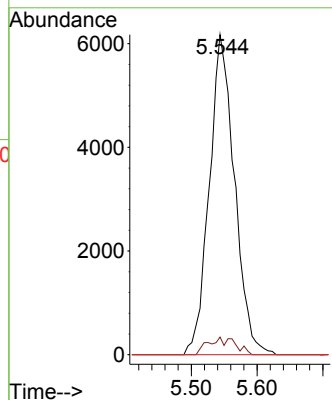


#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

Instrument :
MSVOA_X
ClientSampleId :

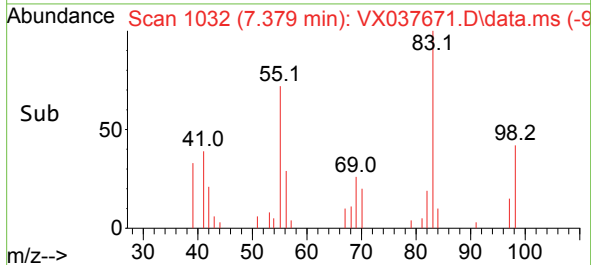
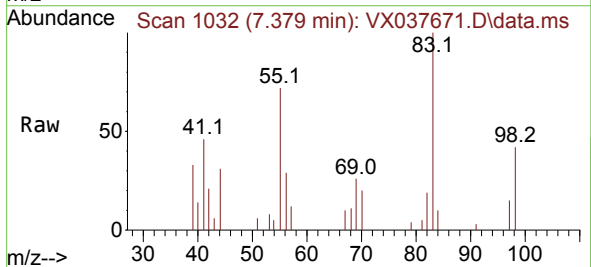
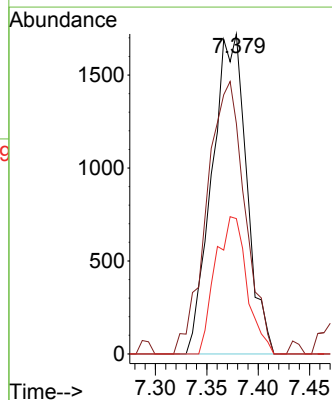


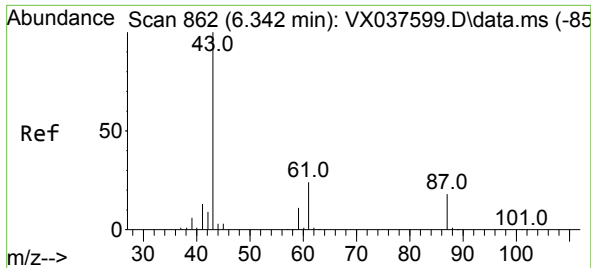
Tgt Ion:117 Resp: 16475
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.332 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

Tgt Ion: 83 Resp: 4032
Ion Ratio Lower Upper
83 100
55 72.1 64.6 97.0
98 42.3 36.7 55.1

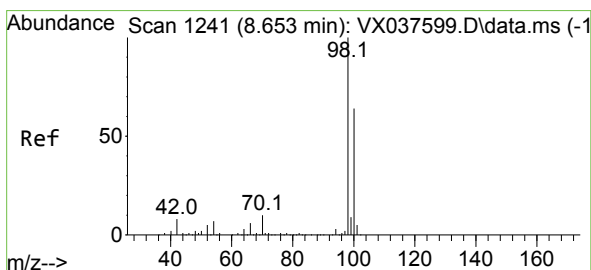
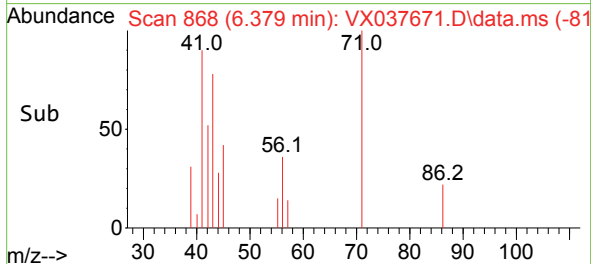
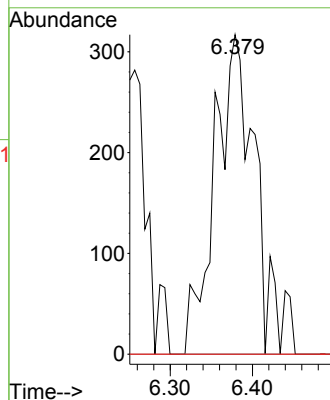
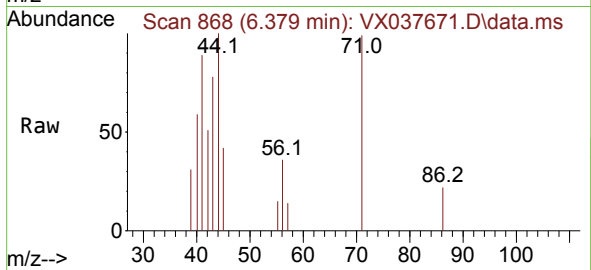




#43
Isopropyl Acetate
Concen: 0.229 ug/l
RT: 6.379 min Scan# 810
Delta R.T. 0.036 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

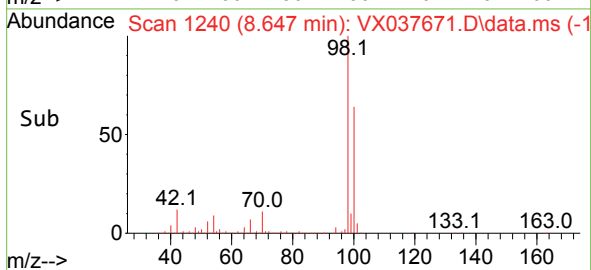
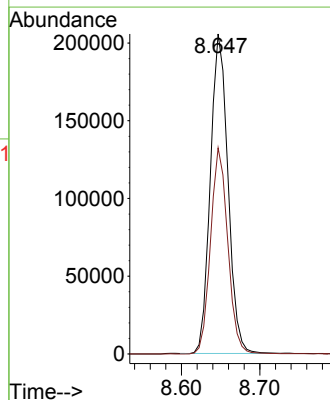
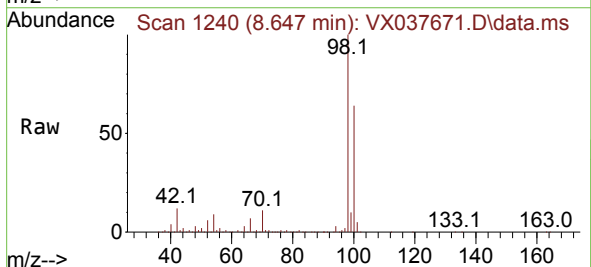
Instrument :
MSVOA_X
ClientSampleId :

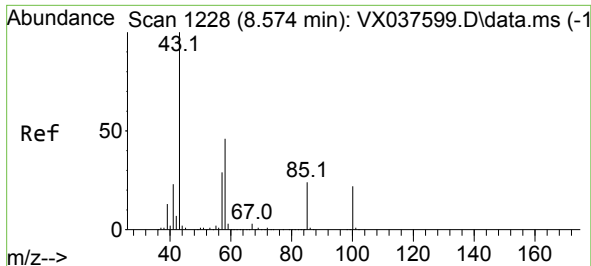
Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 45.111 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

Tgt Ion: 98 Resp: 319880
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.018 ug/l

RT: 8.610 min Scan# 1314

Delta R.T. 0.036 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

Instrument :

MSVOA_X

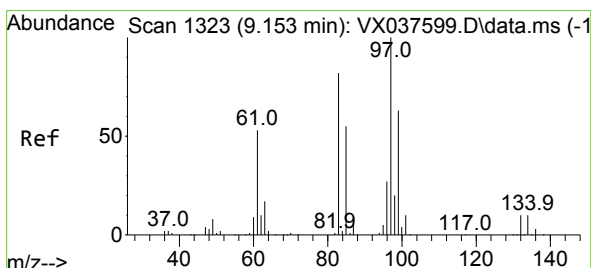
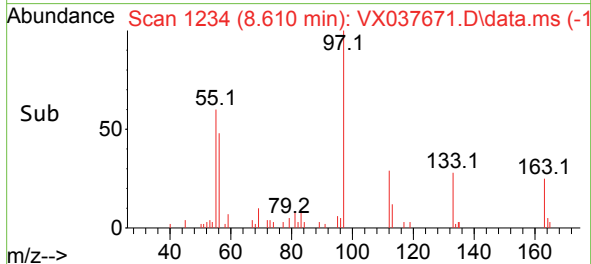
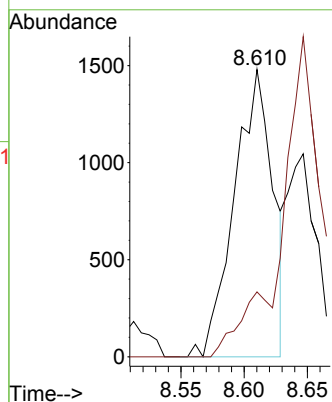
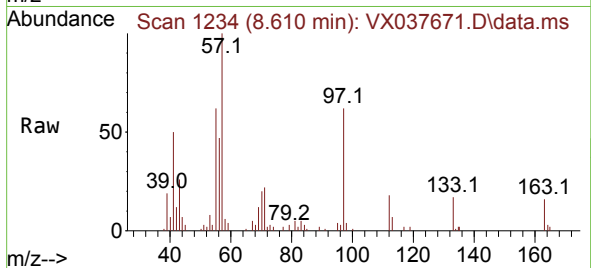
ClientSampleId :

Tgt Ion: 43 Resp: 3121

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#55

1,1,2-Trichloroethane

Concen: 1.659 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.055 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

Tgt Ion: 97 Resp: 3482

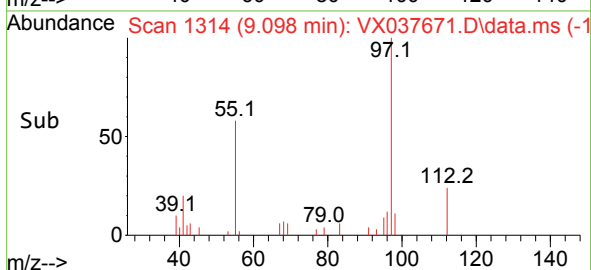
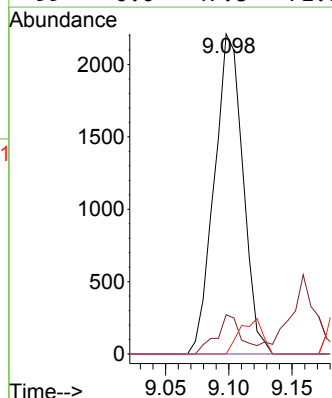
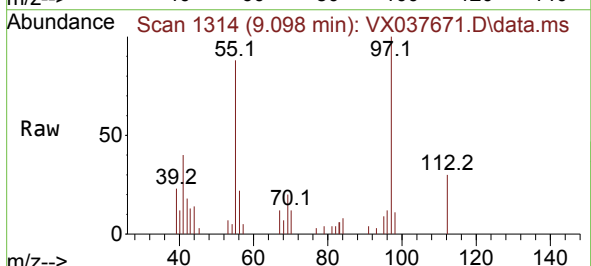
Ion Ratio Lower Upper

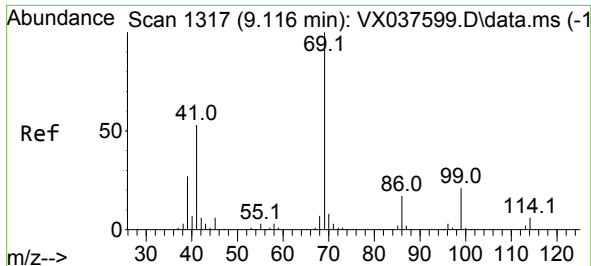
97 100

83 12.3 65.8 98.8#

85 0.0 41.6 62.4#

99 0.0 47.8 71.8#

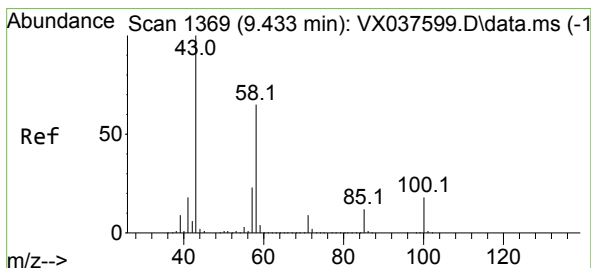
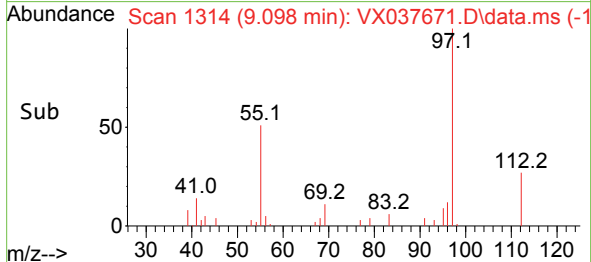
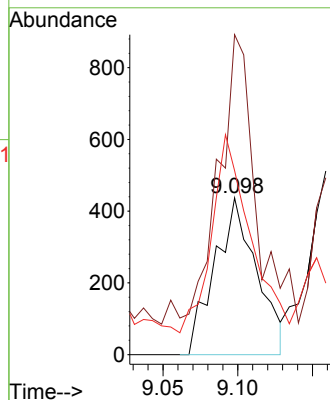
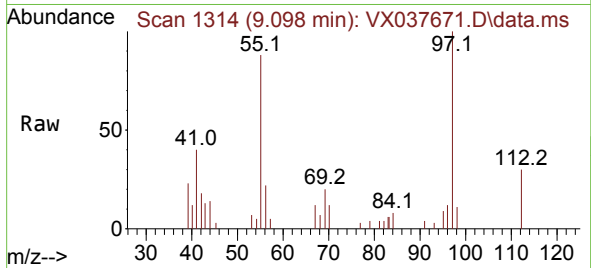




#56
Ethyl methacrylate
Concen: 0.265 ug/l
RT: 9.098 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

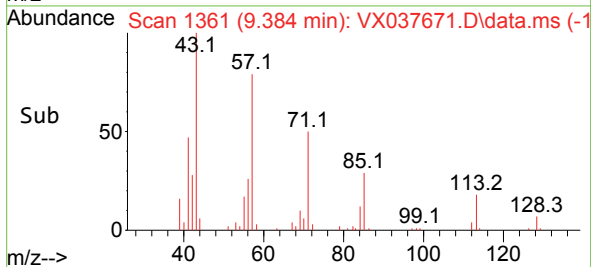
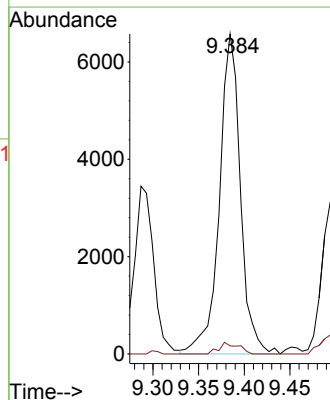
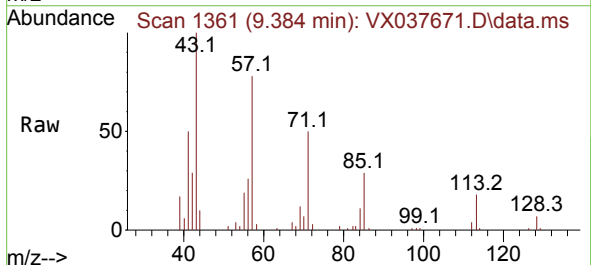
Instrument :
MSVOA_X
ClientSampleId :

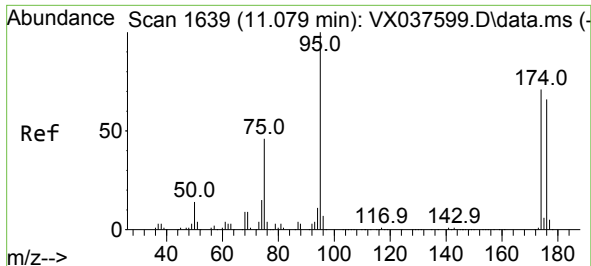
Tgt Ion: 69 Resp: 850
Ion Ratio Lower Upper
69 100
41 165.9 56.8 85.2#
39 115.2 32.0 48.0#



#59
2-Hexanone
Concen: 4.462 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

Tgt Ion: 43 Resp: 10559
Ion Ratio Lower Upper
43 100
58 3.3 26.2 78.5#

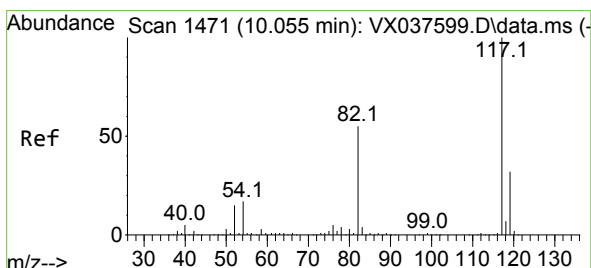
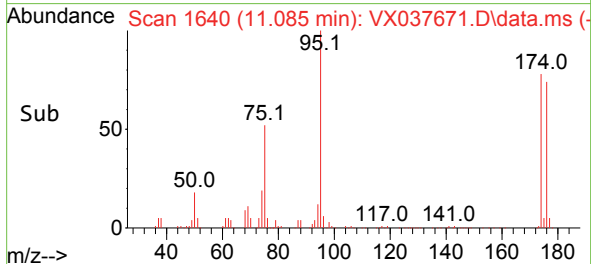
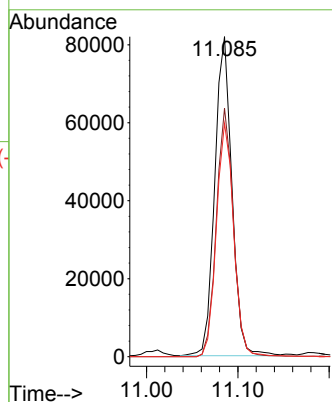
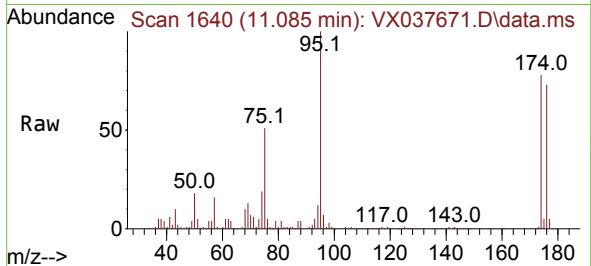




#62
4-Bromofluorobenzene
Concen: 41.778 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

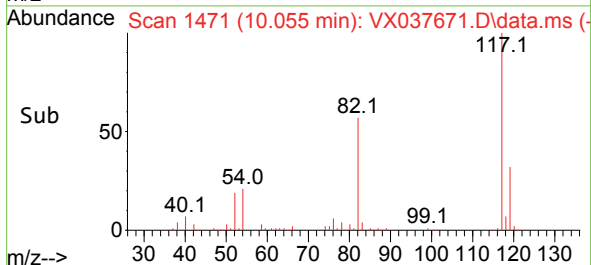
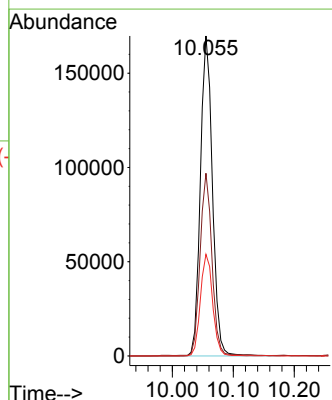
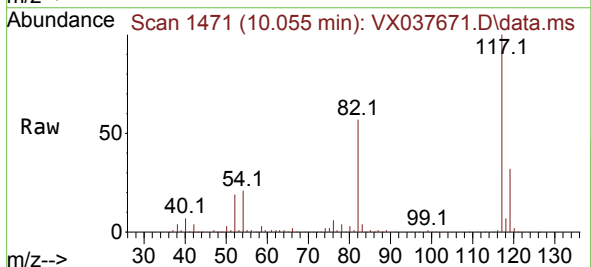
Instrument :
MSVOA_X
ClientSampleId :

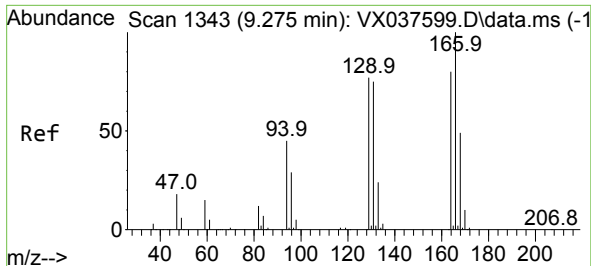
Tgt Ion: 95 Resp: 106876
Ion Ratio Lower Upper
95 100
174 77.4 0.0 135.6
176 74.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

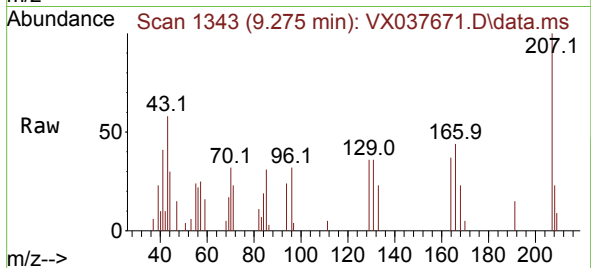
Tgt Ion: 117 Resp: 232899
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 31.8 25.5 38.3



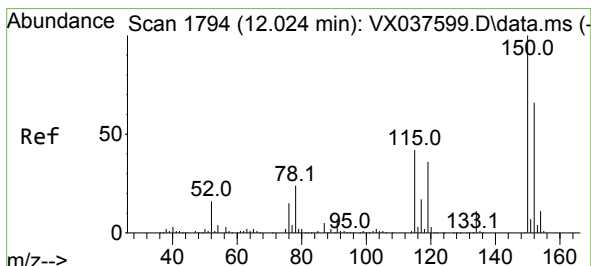
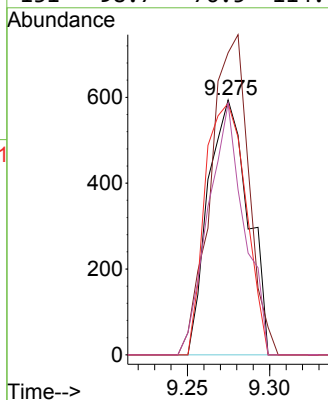
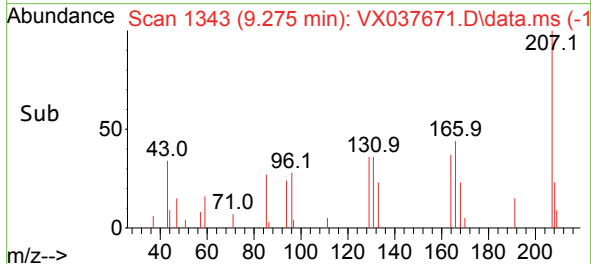


#64
Tetrachloroethene
Concen: 0.667 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13

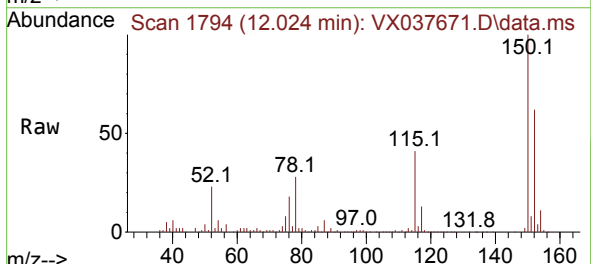
Instrument :
MSVOA_X
ClientSampleId :



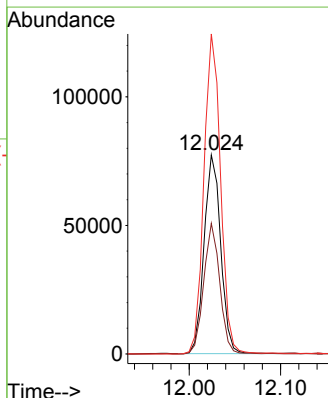
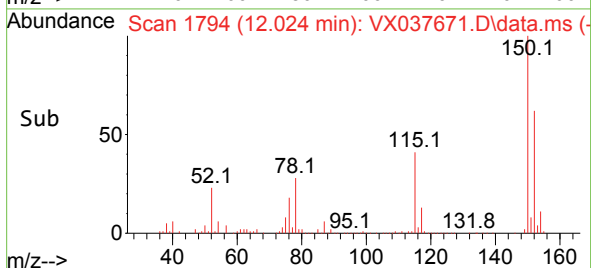
Tgt Ion:164 Resp: 1006
Ion Ratio Lower Upper
164 100
166 118.5 102.7 154.1
129 98.7 80.4 120.6
131 98.7 76.5 114.7

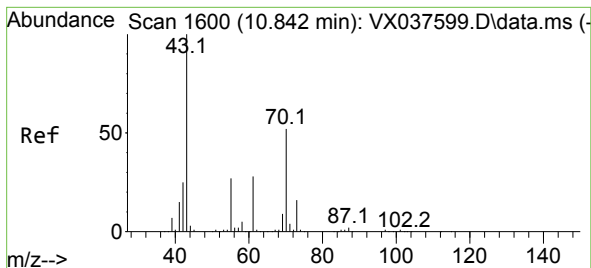


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037671.D
Acq: 12 Sep 2023 16:13



Tgt Ion:152 Resp: 97544
Ion Ratio Lower Upper
152 100
115 63.5 43.3 129.9
150 162.0 0.0 345.0





#74

N-amy1 acetate

Concen: 0.678 ug/l

RT: 10.823 min Scan# 1

Delta R.T. -0.018 min

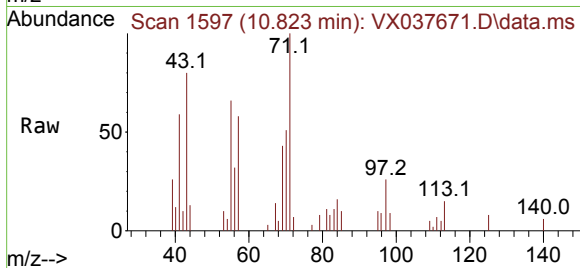
Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 2159

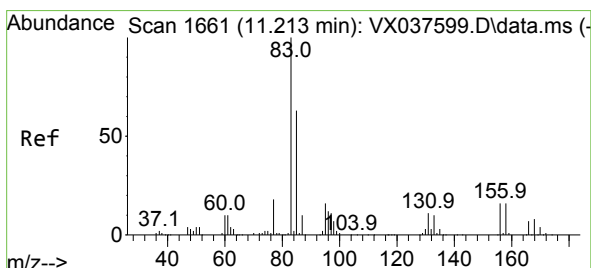
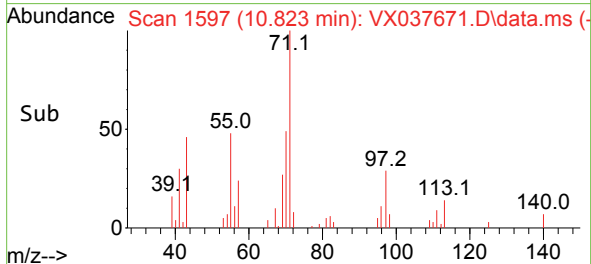
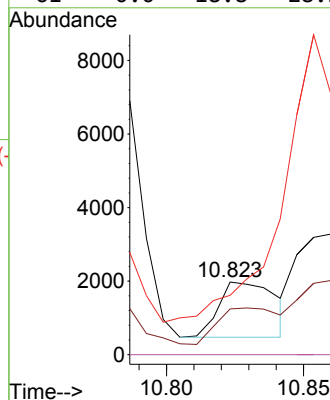
Ion Ratio Lower Upper

43 100

70 71.2 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.893 ug/l

RT: 11.219 min Scan# 1662

Delta R.T. 0.006 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

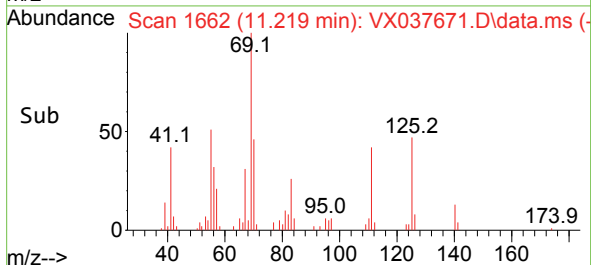
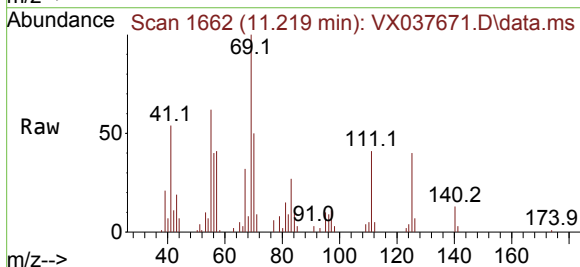
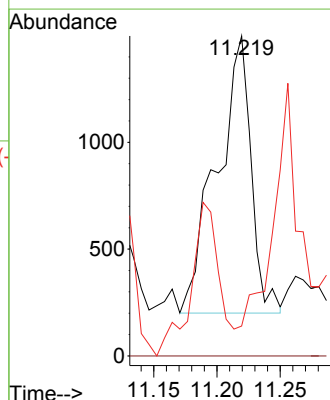
Tgt Ion: 83 Resp: 2440

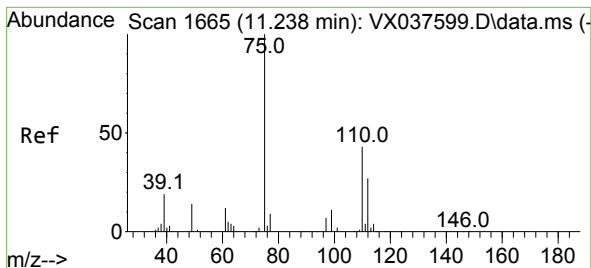
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 0.0 32.0 96.2#





#76

1,2,3-Trichloropropane

Concen: 26.053 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.153 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

Instrument :

MSVOA_X

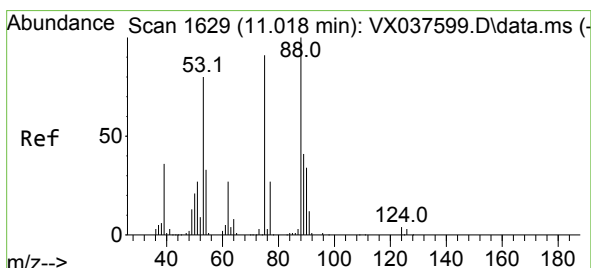
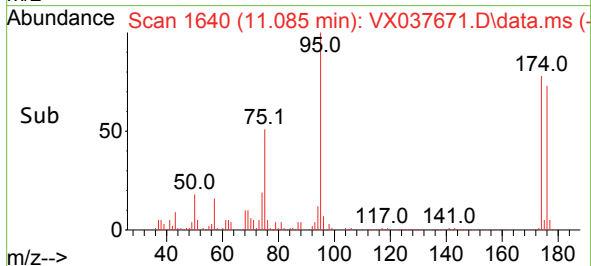
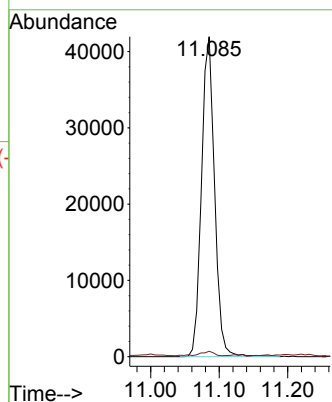
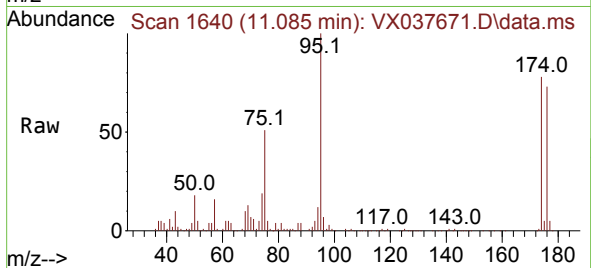
ClientSampleId :

Tgt Ion: 75 Resp: 55870

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.194 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

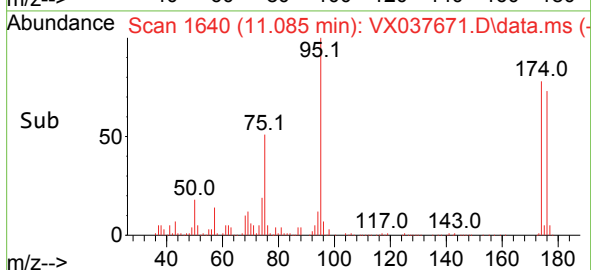
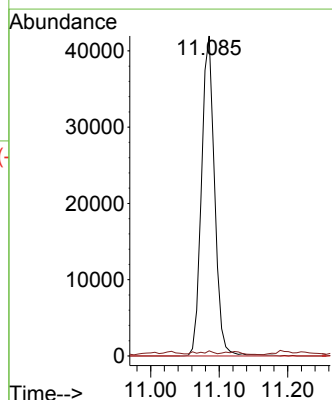
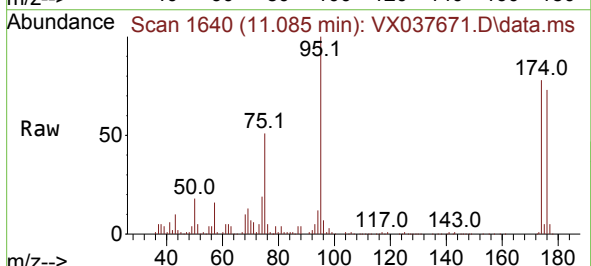
Tgt Ion: 75 Resp: 55870

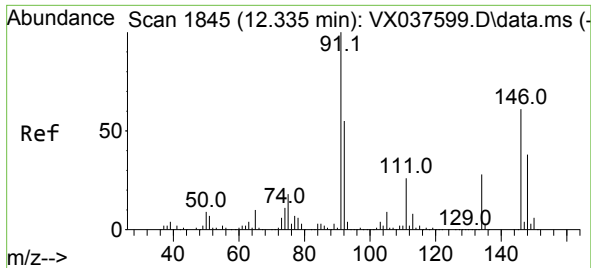
Ion Ratio Lower Upper

75 100

53 0.4 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.330 ug/l

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

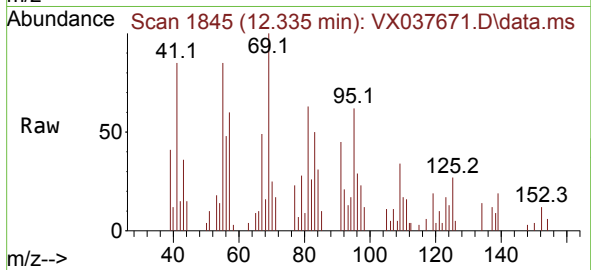
Lab File: VX037671.D

Acq: 12 Sep 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	91	Resp:	1865
Ion	Ratio	Lower	Upper
91	100		
92	32.9	27.4	82.0
134	62.1	12.6	37.8#

