

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090923\
 Data File : VX037632.D
 Acq On : 09 Sep 2023 17:01
 Operator : JC/MD
 Sample : 04297-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 01:25:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 06:38:11 2023
 Response via : Initial Calibration

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

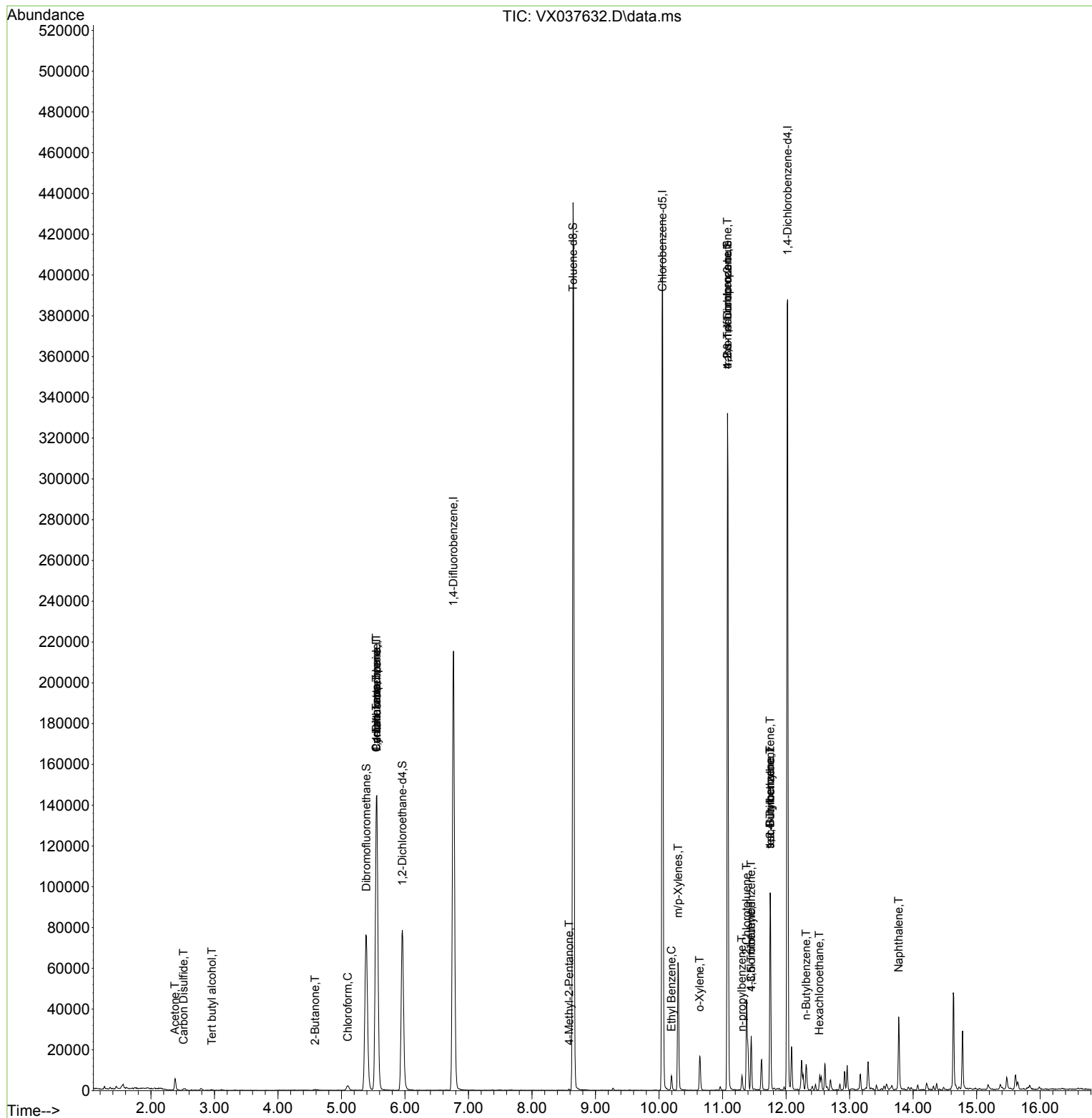
Internal Standards						
1) Pentafluorobenzene	5.556	168	143533	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	235973	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76645	39.558	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.120%
35) Dibromofluoromethane	5.391	113	69404	42.051	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.100%
50) Toluene-d8	8.647	98	273841	45.237	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.480%#
62) 4-Bromofluorobenzene	11.079	95	95684	41.939	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.880%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	457	1.054	ug/l	# 78
16) Acetone	2.380	43	6039	7.579	ug/l	# 72
17) Carbon Disulfide	2.514	76	953	0.247	ug/l	# 76
20) Methylene Chloride	2.794	84	499	Below Cal		85
25) 2-Butanone	4.586	43	686	0.568	ug/l	94
30) Chloroform	5.099	83	3094	0.967	ug/l	100
31) Cyclohexane	5.550	56	2423	1.028	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	10182	4.670	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	14694	6.520	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.586	43	442	0.208	ug/l	# 37
67) Ethyl Benzene	10.195	91	4563	0.587	ug/l	94
68) m/p-Xylenes	10.299	106	16277	5.326	ug/l	96
69) o-Xylene	10.640	106	4253	1.400	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	45048	21.583	ug/l	# 39
78) n-propylbenzene	11.305	91	4967	0.667	ug/l	93
79) 2-Chlorotoluene	11.378	91	4127	0.872	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.451	105	11673	2.055	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	45048	64.464	ug/l	# 5
82) 4-Chlorotoluene	11.451	91	1530	0.287	ug/l	# 46
83) tert-Butylbenzene	11.750	119	5545	0.968	ug/l	# 63
84) 1,2,4-Trimethylbenzene	11.750	105	44285	7.798	ug/l	94
85) sec-Butylbenzene	11.750	105	44285	6.414	ug/l	# 57
89) n-Butylbenzene	12.317	91	1982	0.413	ug/l	# 22
90) Hexachloroethane	12.524	117	297	0.299	ug/l	# 17
95) Naphthalene	13.774	128	26255	3.955	ug/l	98

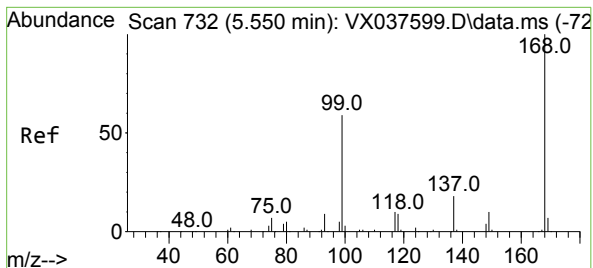
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 09 06:38:11 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

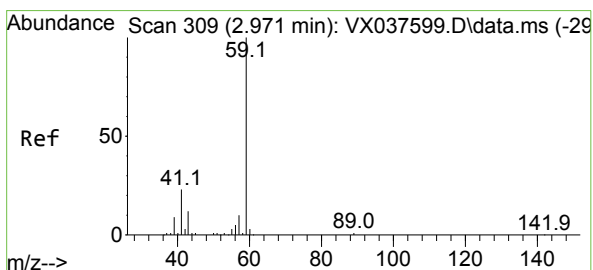
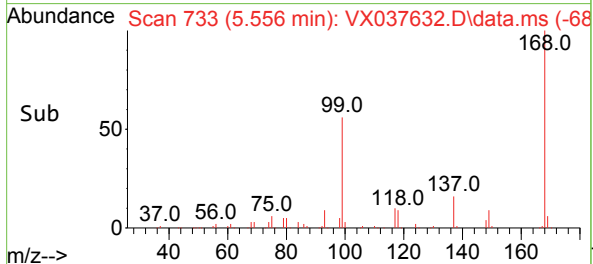
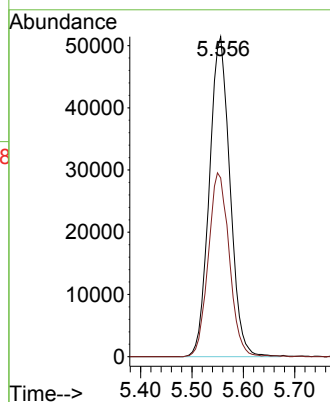
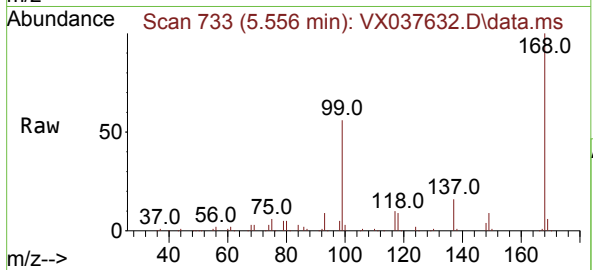
ClientSampleId :

Tgt Ion:168 Resp: 143533

Ion Ratio Lower Upper

168 100

99 55.9 56.6 85.0#



#11

Tert butyl alcohol

Concen: 1.054 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX037632.D

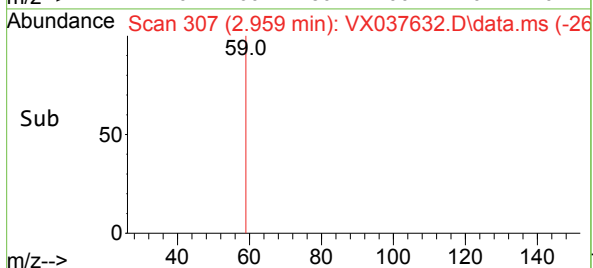
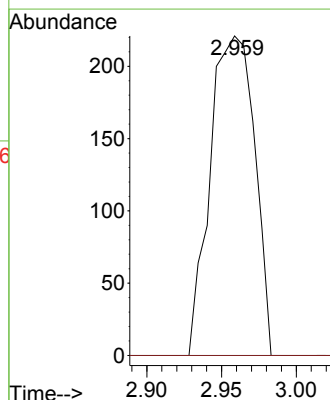
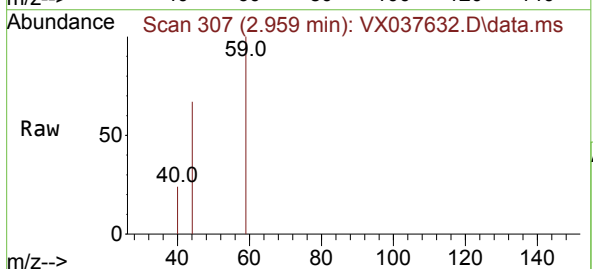
Acq: 09 Sep 2023 17:01

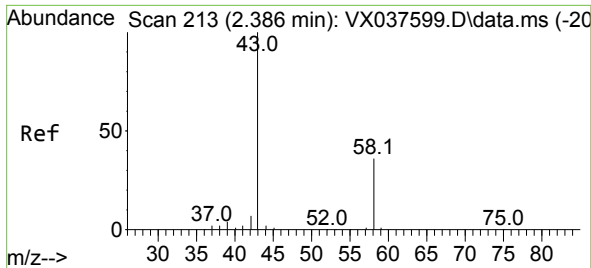
Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

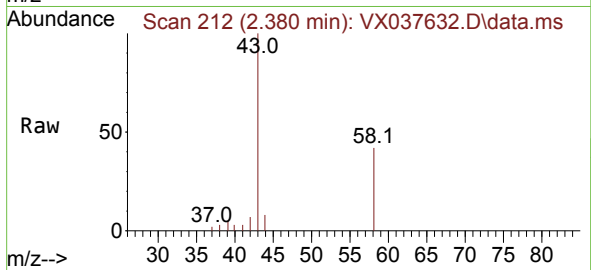
57 0.0 6.0 9.0#



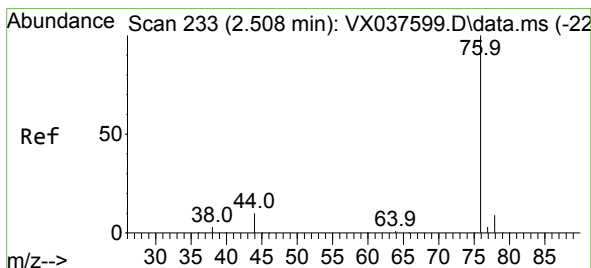
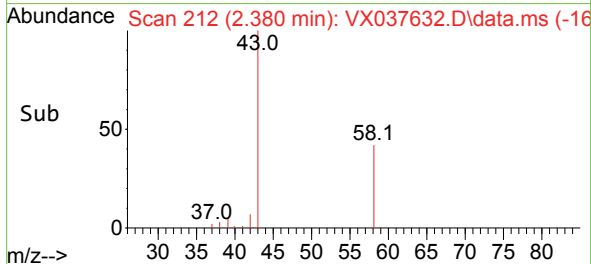
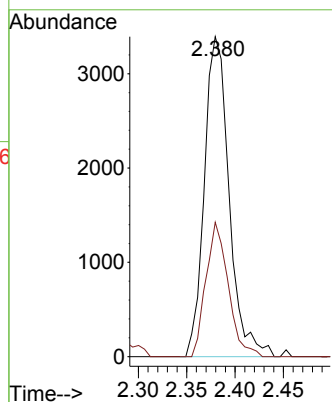


#16
Acetone
Concen: 7.579 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Instrument :
MSVOA_X
ClientSampleId :

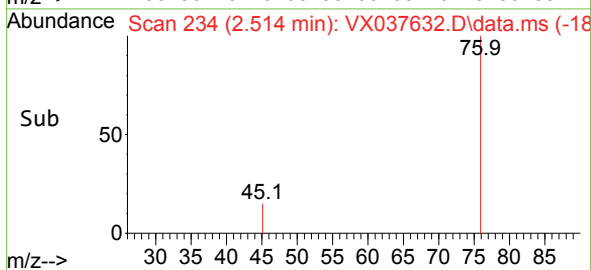
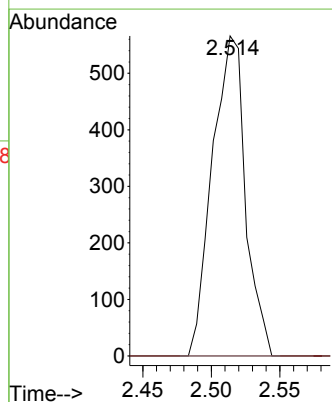
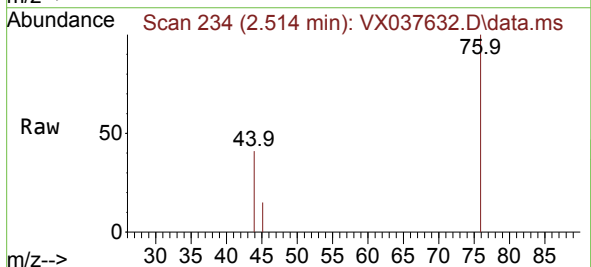


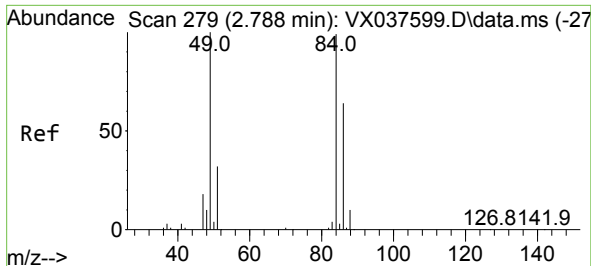
Tgt Ion: 43 Resp: 6039
Ion Ratio Lower Upper
43 100
58 42.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion: 76 Resp: 953
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

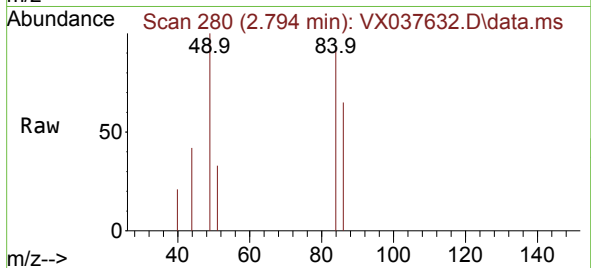
Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 499

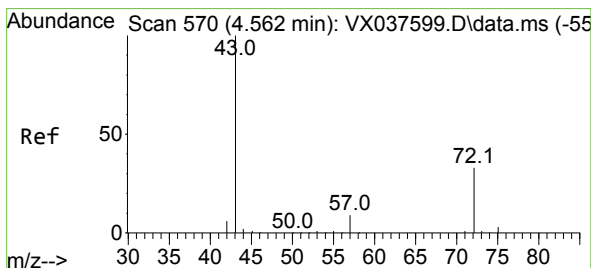
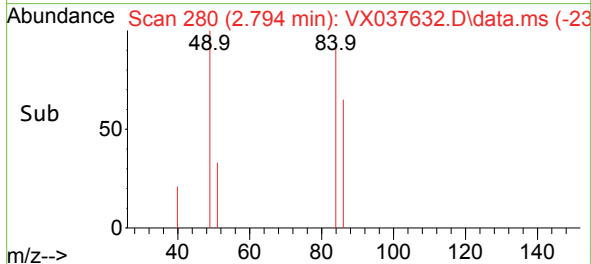
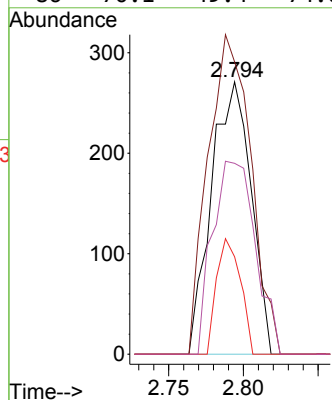
Ion Ratio Lower Upper

84 100

49 107.4 103.6 155.4

51 35.8 33.8 50.6

86 70.1 49.4 74.0



#25

2-Butanone

Concen: 0.568 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.024 min

Lab File: VX037632.D

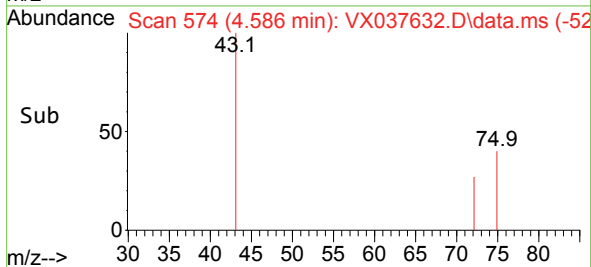
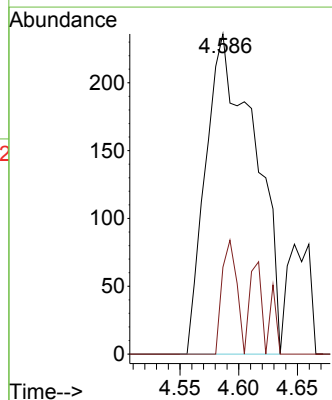
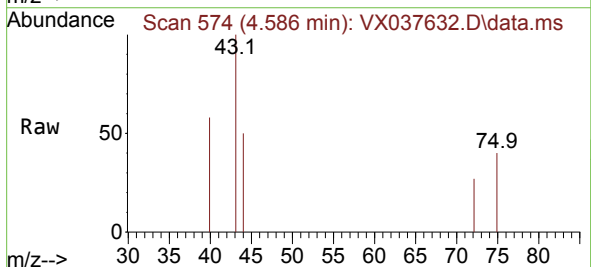
Acq: 09 Sep 2023 17:01

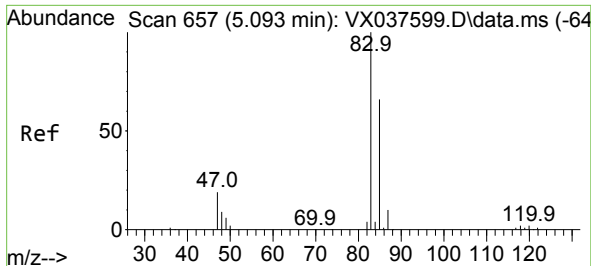
Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

43 100

72 27.1 19.4 29.2





#30

Chloroform

Concen: 0.967 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

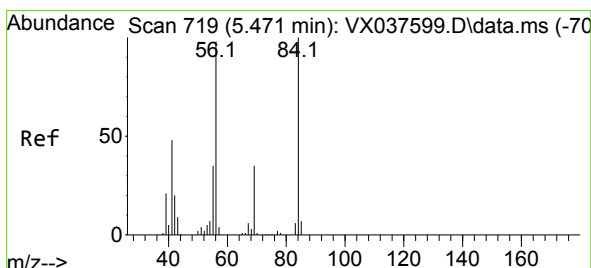
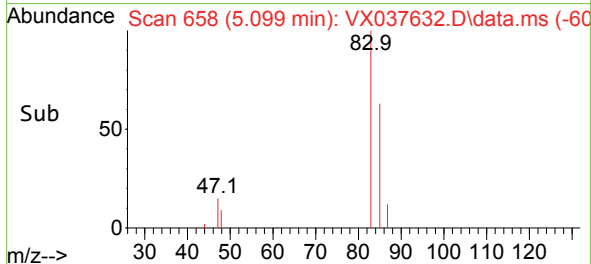
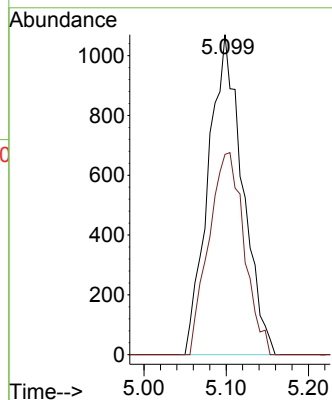
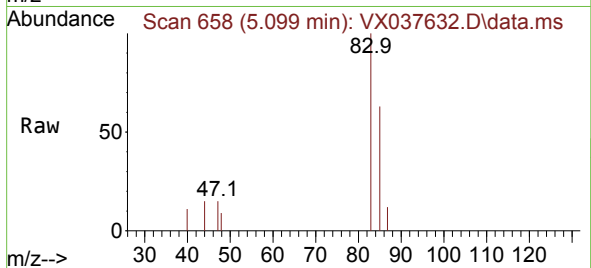
ClientSampleId :

Tgt Ion: 83 Resp: 3094

Ion Ratio Lower Upper

83 100

85 62.6 50.3 75.5



#31

Cyclohexane

Concen: 1.028 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

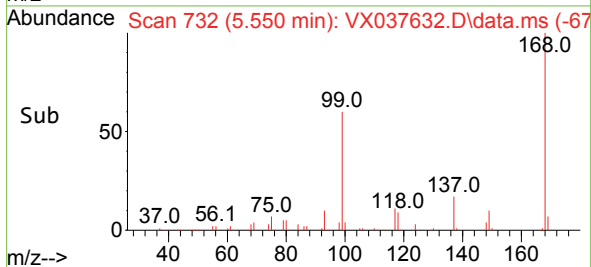
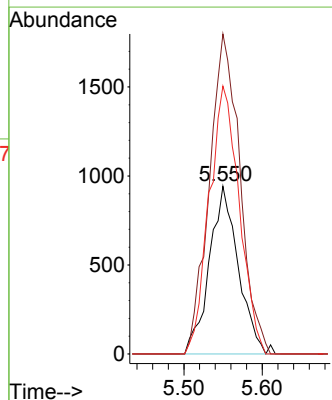
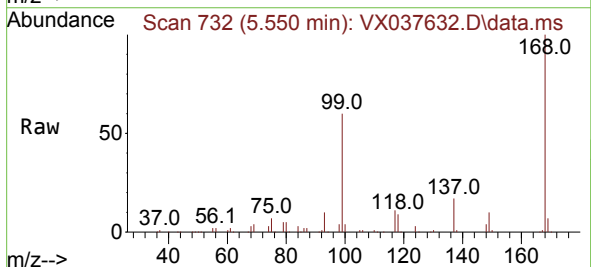
Tgt Ion: 56 Resp: 2423

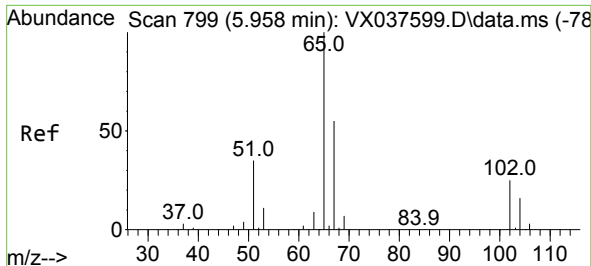
Ion Ratio Lower Upper

56 100

69 190.9 23.4 35.2#

84 159.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 39.558 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

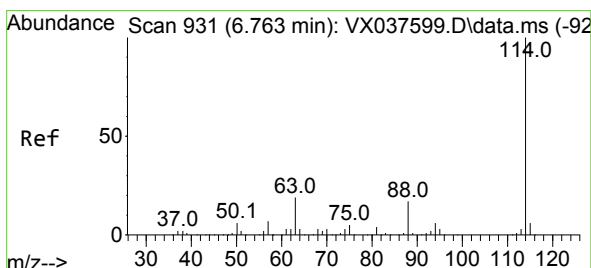
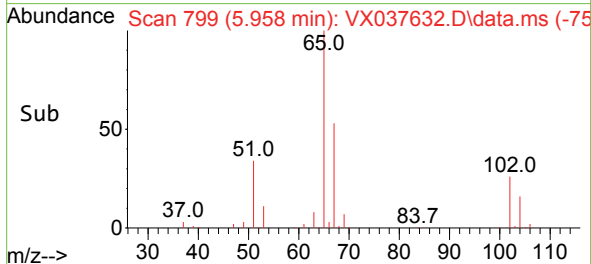
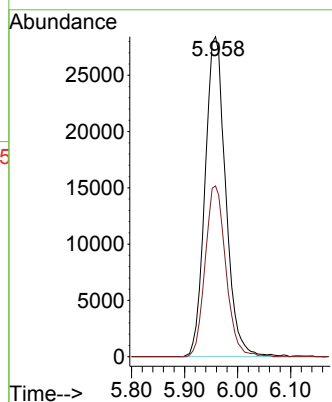
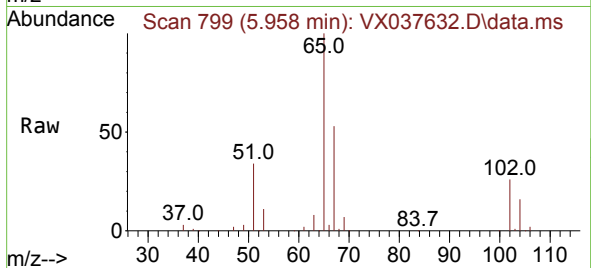
ClientSampleId :

Tgt Ion: 65 Resp: 76645

Ion Ratio Lower Upper

65 100

67 53.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

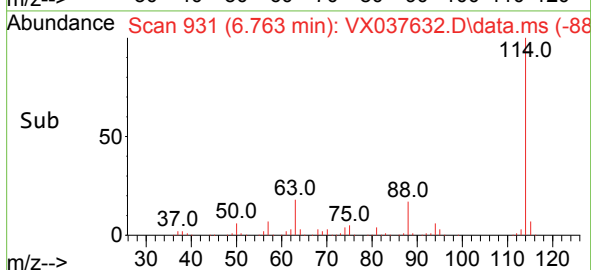
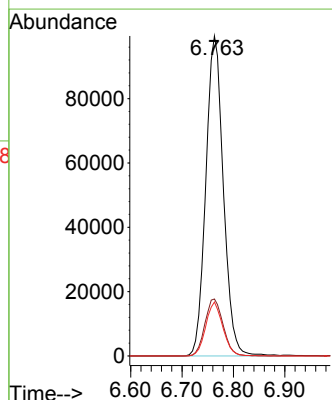
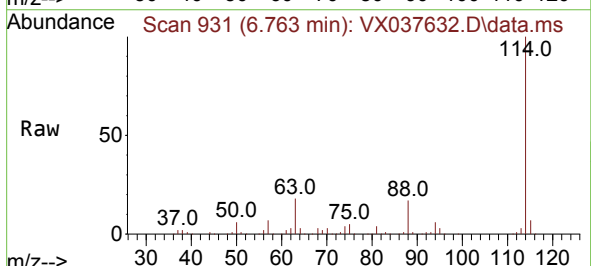
Tgt Ion: 114 Resp: 235973

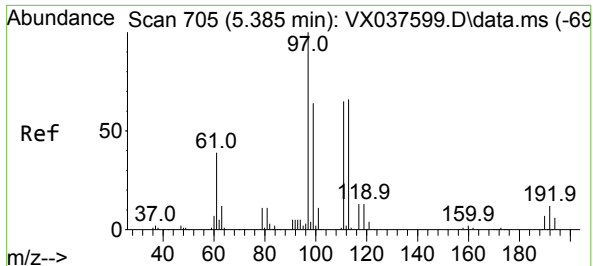
Ion Ratio Lower Upper

114 100

63 17.8 0.0 45.0

88 16.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 42.051 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

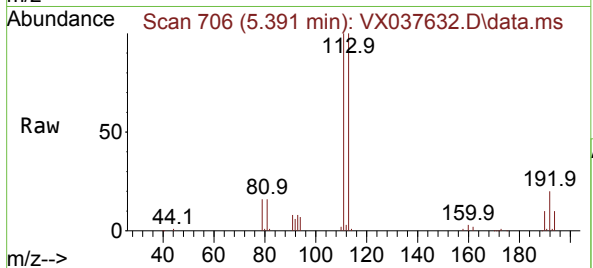
Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

ClientSampleId :



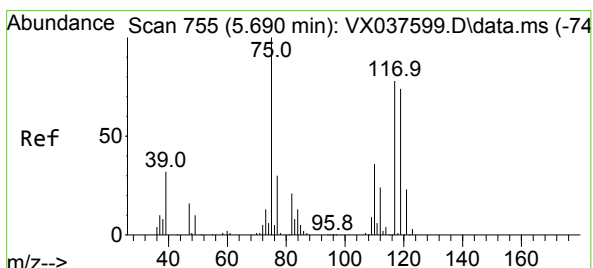
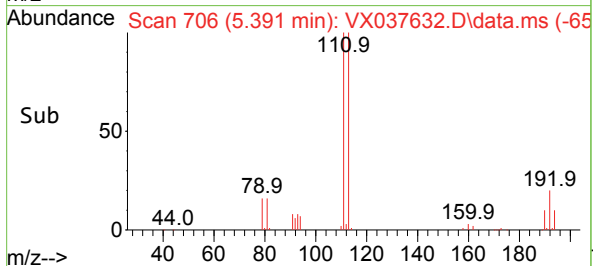
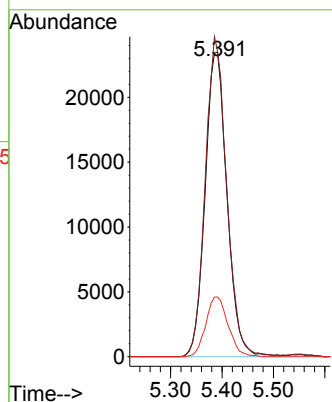
Tgt Ion:113 Resp: 69404

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

192 20.0 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

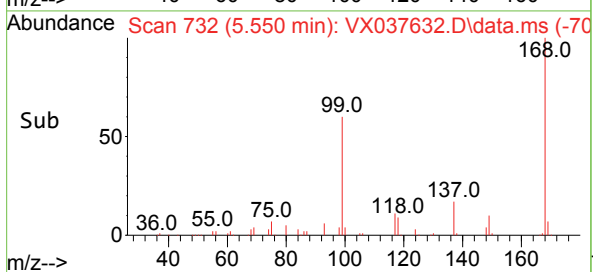
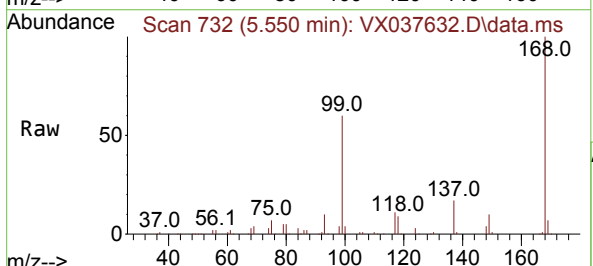
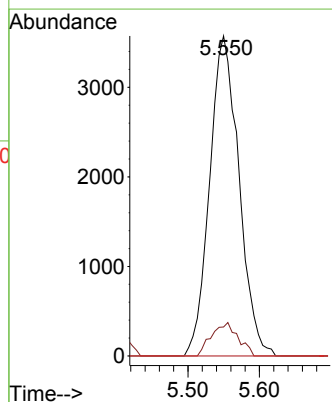
Tgt Ion: 75 Resp: 10182

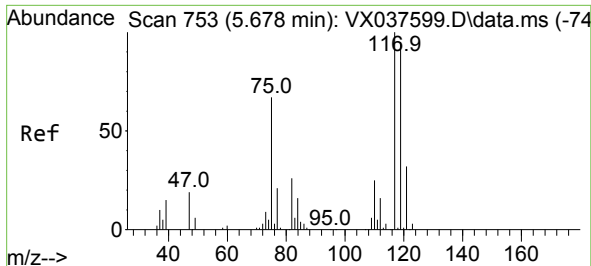
Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

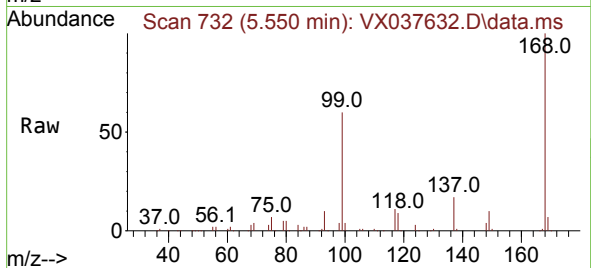
77 0.0 24.7 37.1#



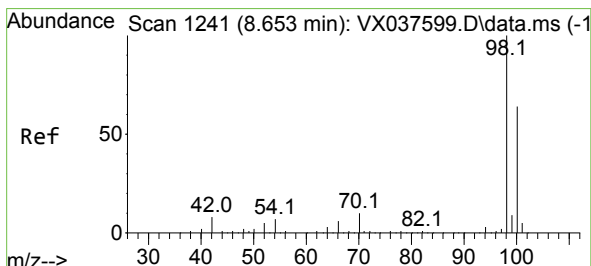
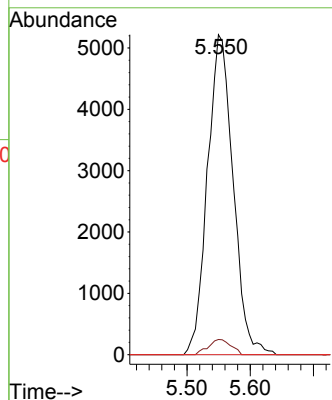
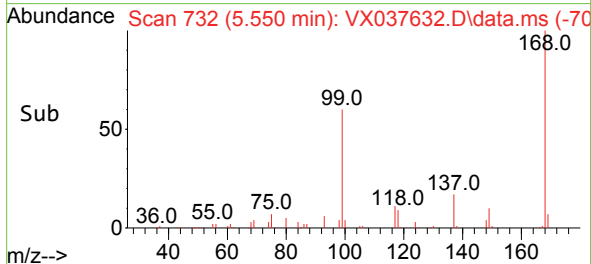


#38
Carbon Tetrachloride
Concen: 6.520 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Instrument :
MSVOA_X
ClientSampleId :

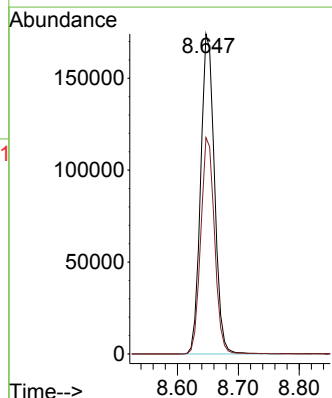
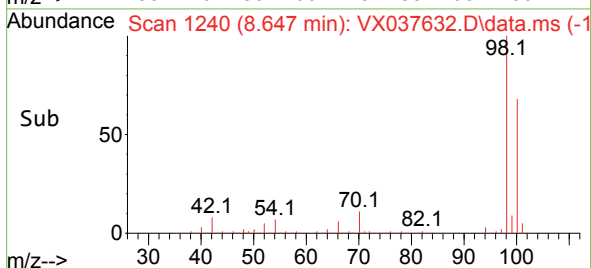
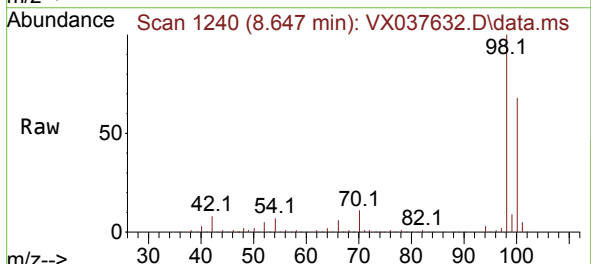


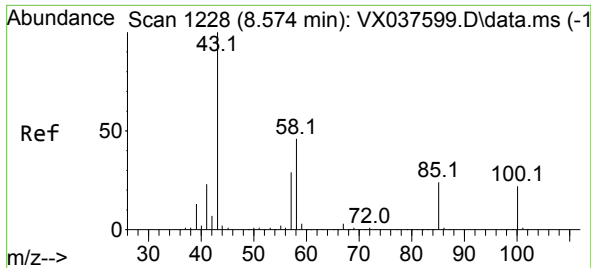
Tgt Ion:117 Resp: 14694
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.237 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion: 98 Resp: 273841
Ion Ratio Lower Upper
98 100
100 67.5 53.1 79.7

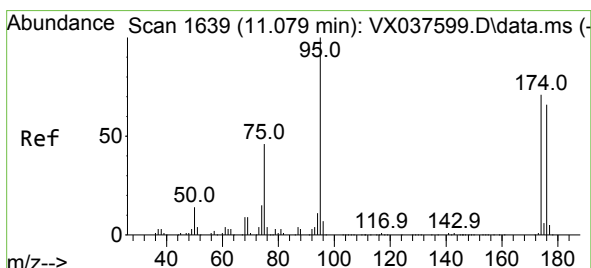
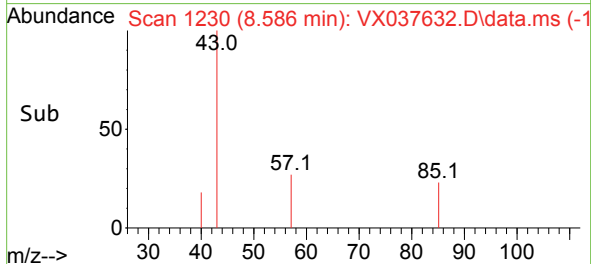
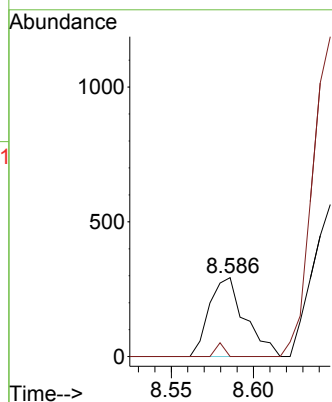
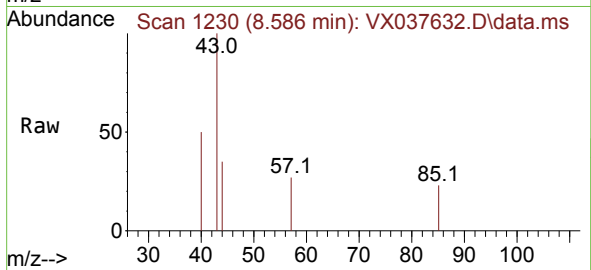




#51
4-Methyl-2-Pentanone
Concen: 0.208 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

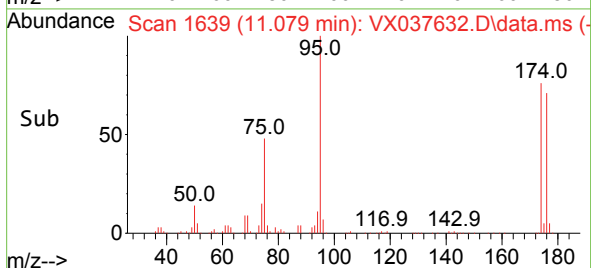
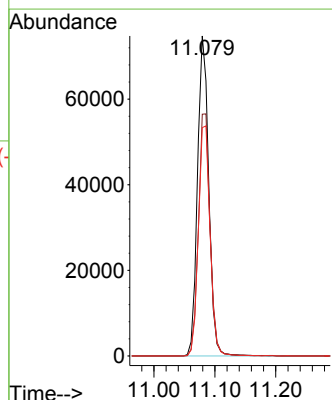
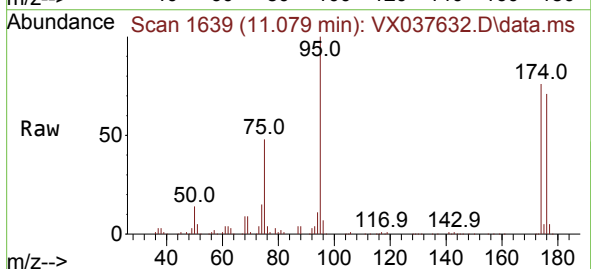
Instrument :
MSVOA_X
ClientSampleId :

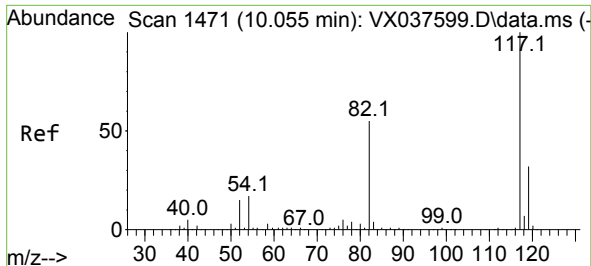
Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 41.939 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion: 95 Resp: 95684
Ion Ratio Lower Upper
95 100
174 78.0 0.0 135.6
176 74.9 0.0 131.0

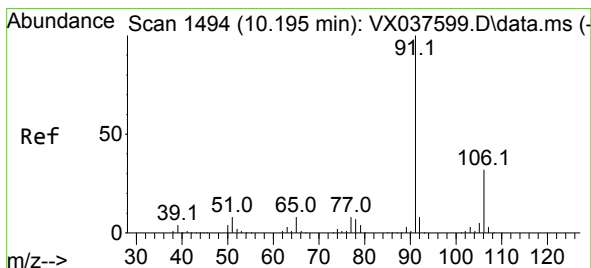
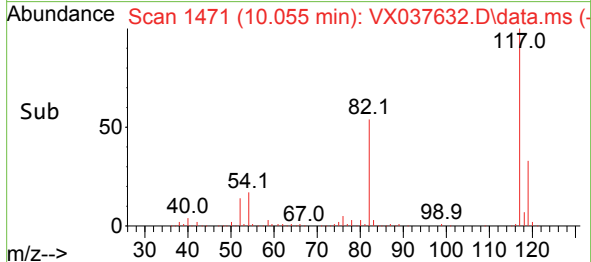
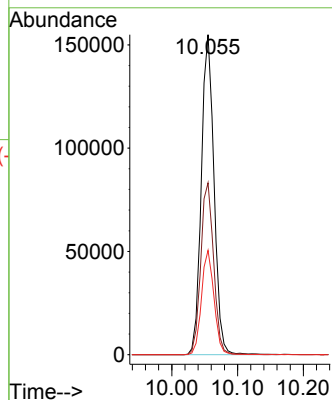
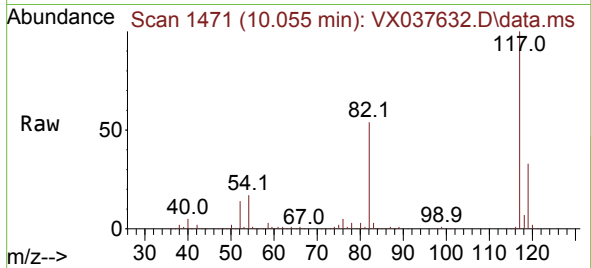




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

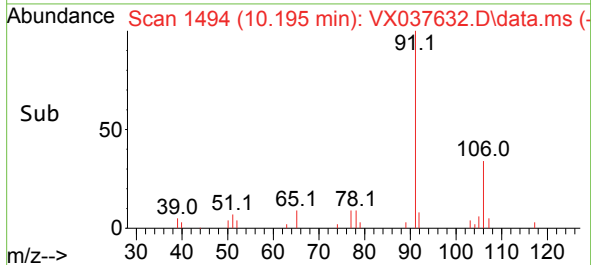
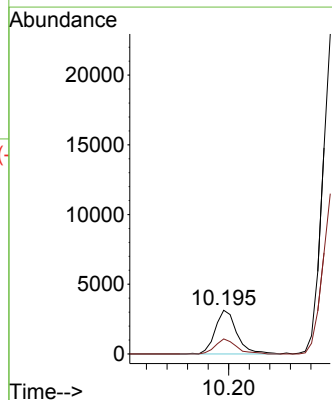
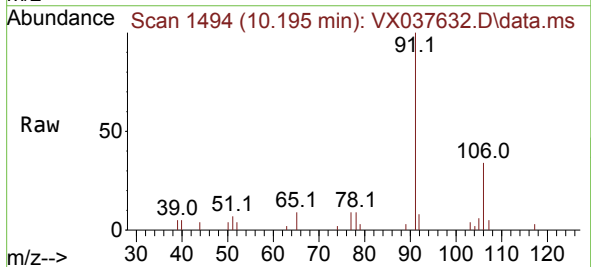
Instrument :
MSVOA_X
ClientSampleId :

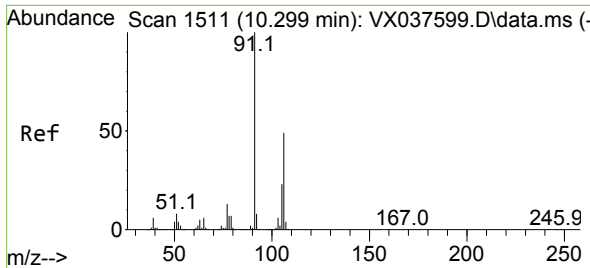
Tgt Ion:117 Resp: 208015
Ion Ratio Lower Upper
117 100
82 53.7 46.2 69.4
119 32.6 25.5 38.3



#67
Ethyl Benzene
Concen: 0.587 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion: 91 Resp: 4563
Ion Ratio Lower Upper
91 100
106 34.4 24.9 37.3

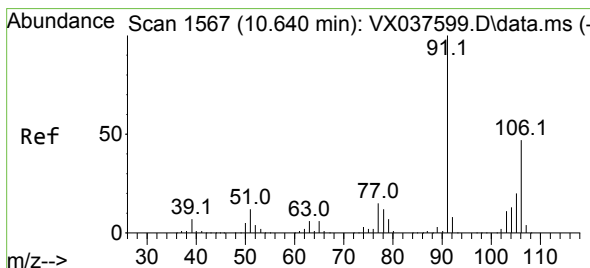
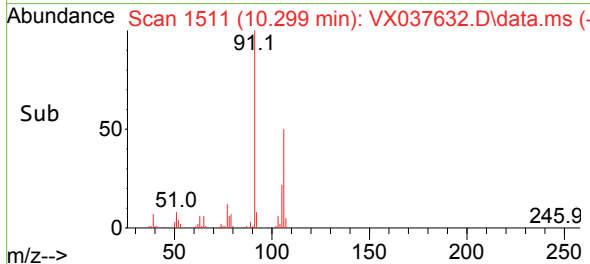
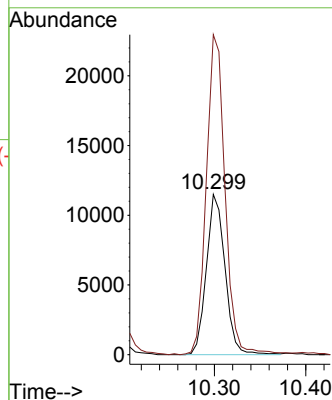
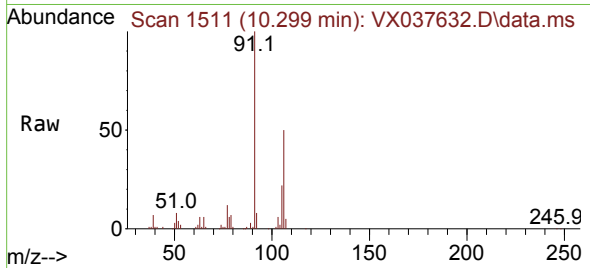




#68
m/p-Xylenes
Concen: 5.326 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

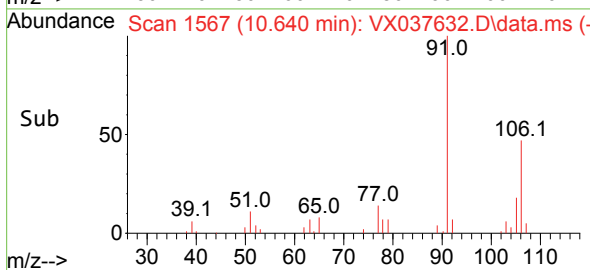
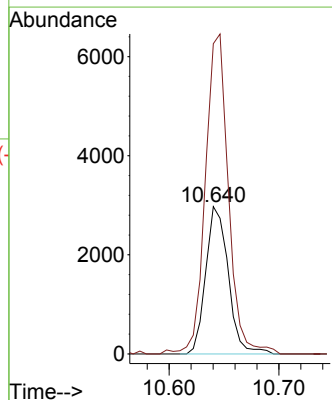
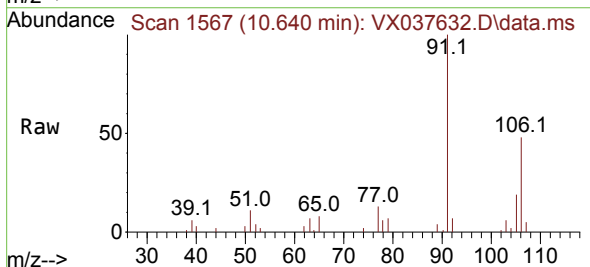
Instrument :
MSVOA_X
ClientSampleId :

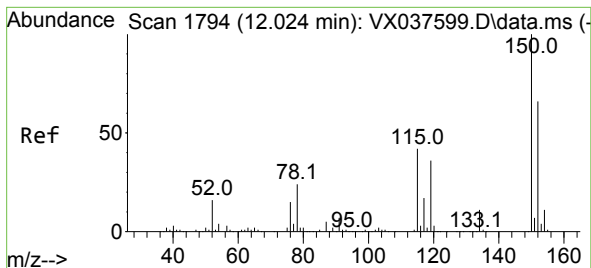
Tgt Ion:106 Resp: 16277
Ion Ratio Lower Upper
106 100
91 200.3 165.5 248.3



#69
o-Xylene
Concen: 1.400 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion:106 Resp: 4253
Ion Ratio Lower Upper
106 100
91 222.2 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

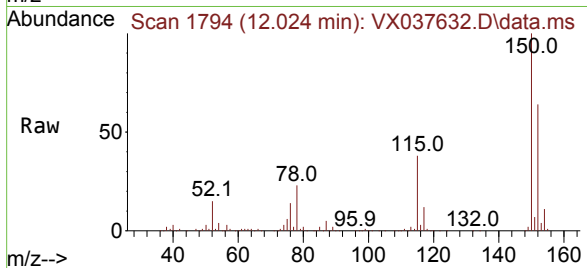
Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

ClientSampleId :



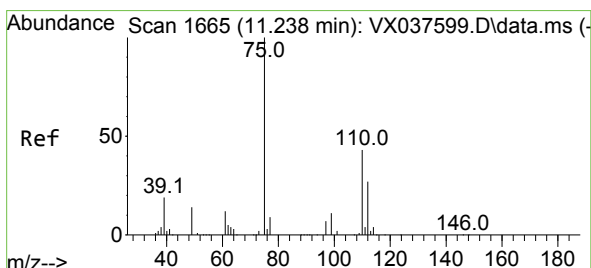
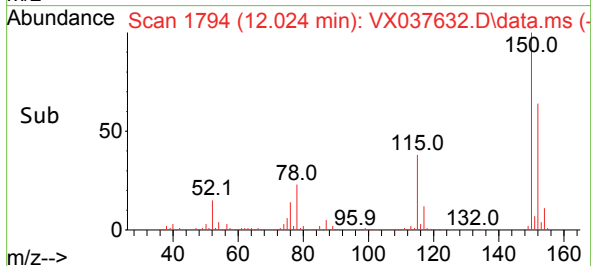
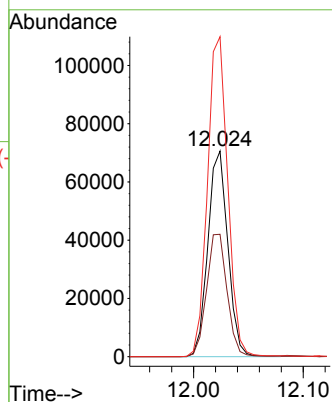
Tgt Ion:152 Resp: 89159

Ion Ratio Lower Upper

152 100

115 61.3 43.3 129.9

150 158.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.583 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037632.D

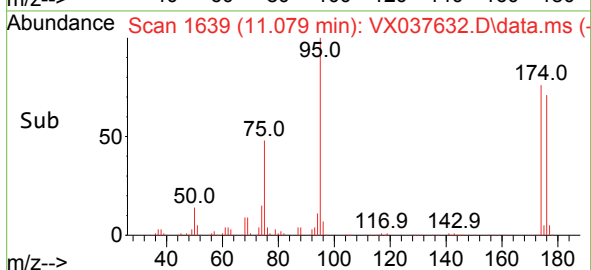
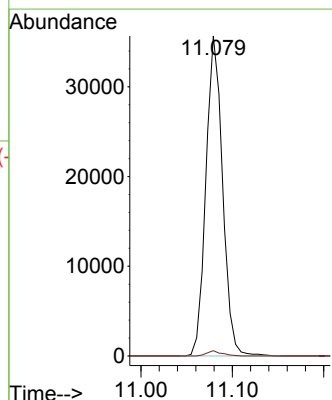
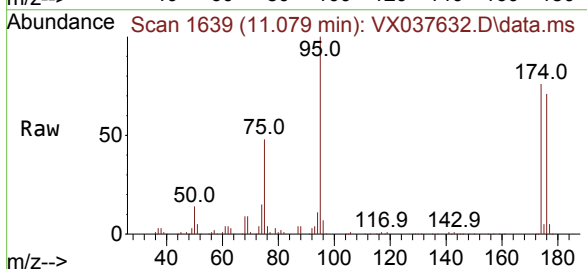
Acq: 09 Sep 2023 17:01

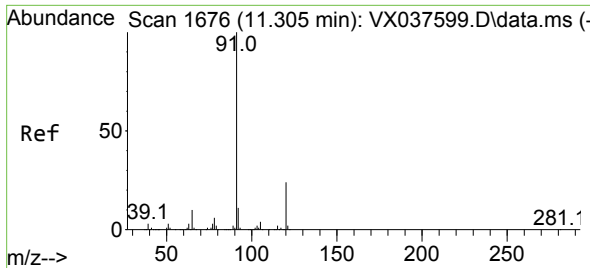
Tgt Ion: 75 Resp: 45048

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#

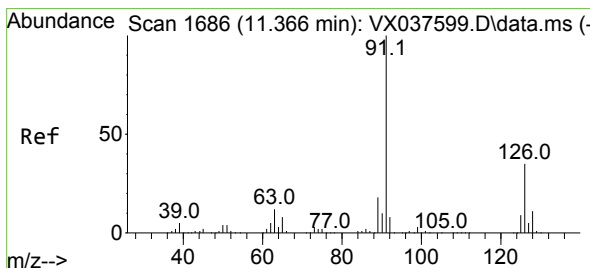
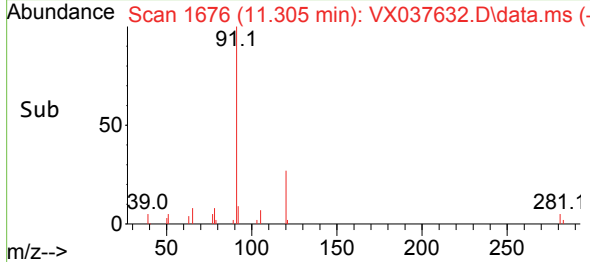
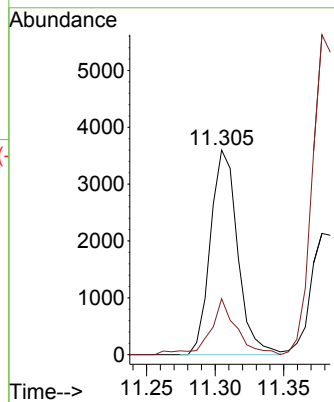
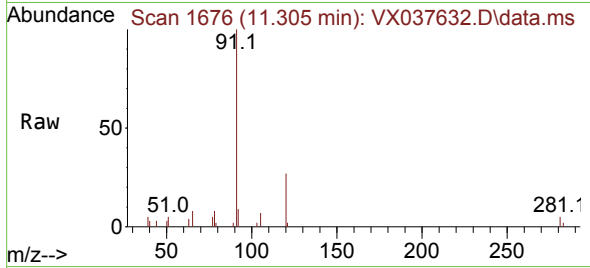




#78
n-propylbenzene
Concen: 0.667 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

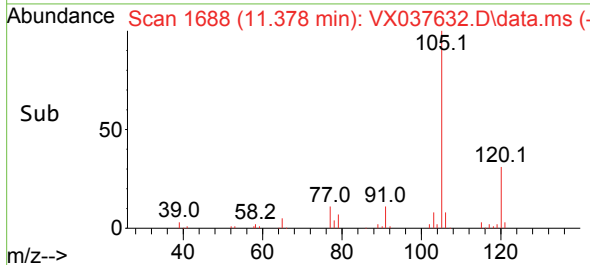
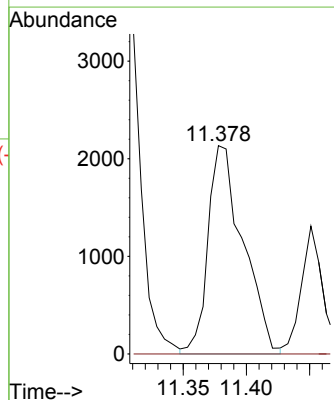
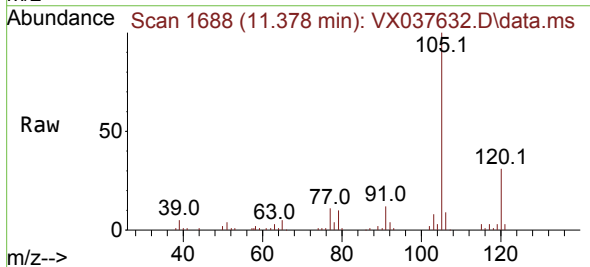
Instrument :
MSVOA_X
ClientSampleId :

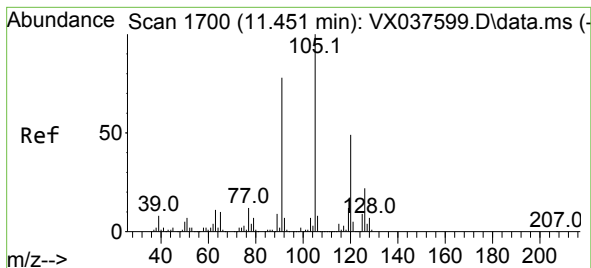
Tgt Ion: 91 Resp: 4967
Ion Ratio Lower Upper
91 100
120 26.2 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.872 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion: 91 Resp: 4127
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 2.055 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

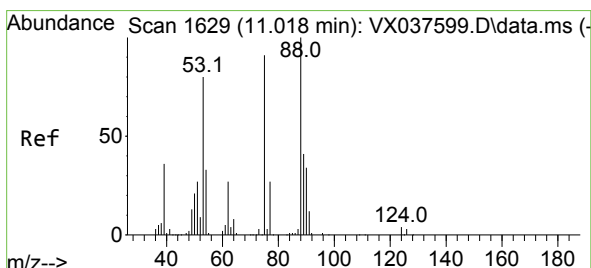
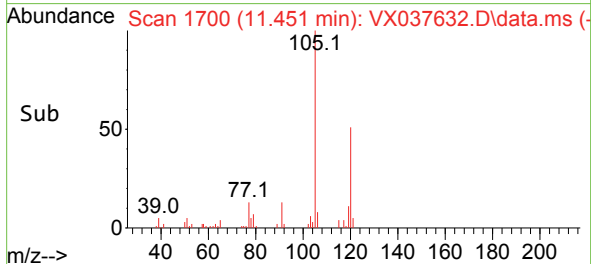
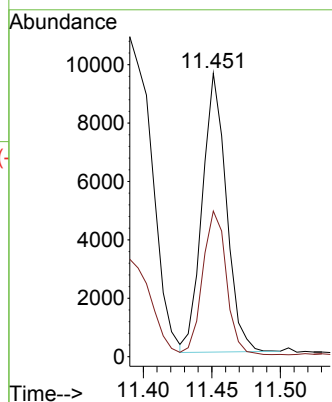
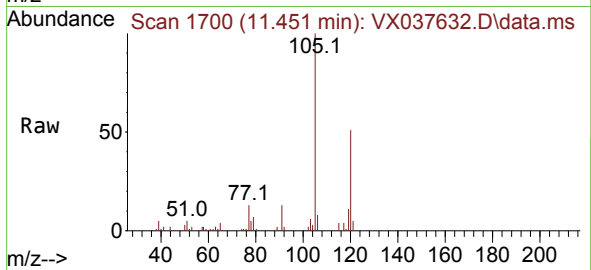
ClientSampleId :

Tgt Ion:105 Resp: 11673

Ion Ratio Lower Upper

105 100

120 51.3 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 64.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

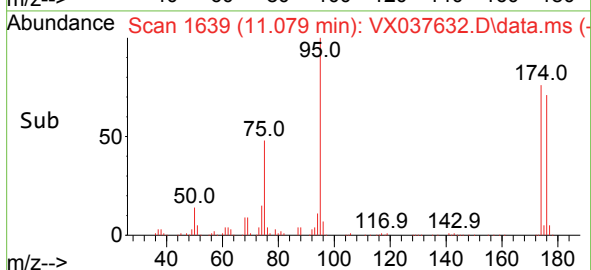
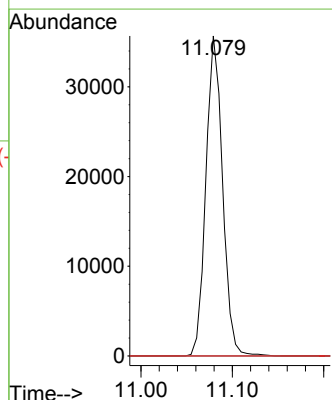
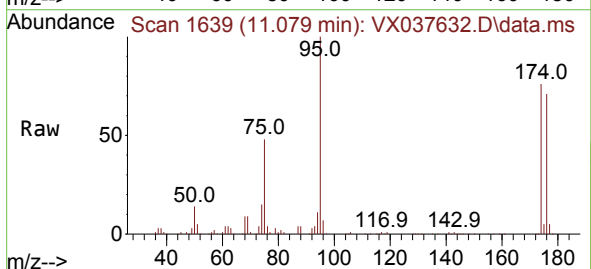
Tgt Ion: 75 Resp: 45048

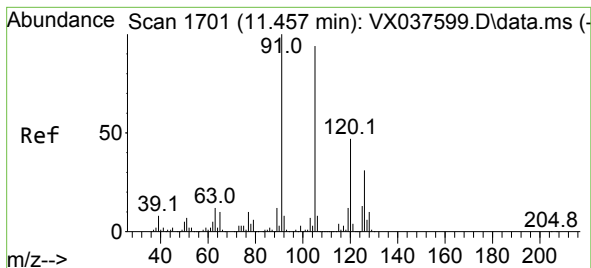
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

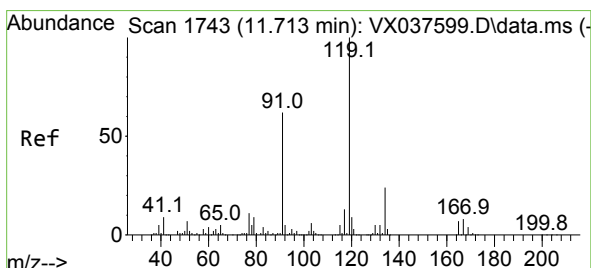
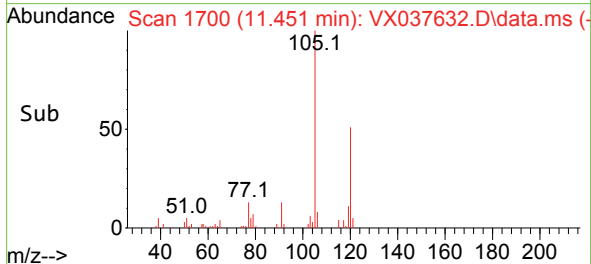
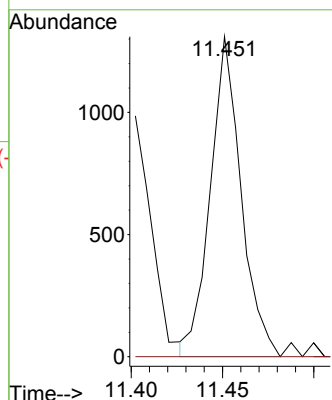
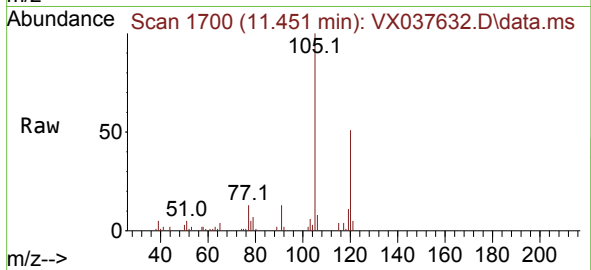




#82
4-Chlorotoluene
Concen: 0.287 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

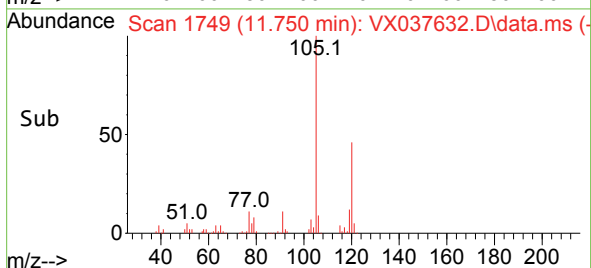
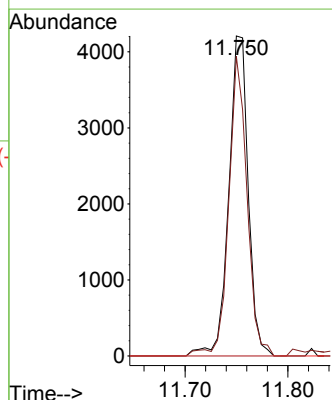
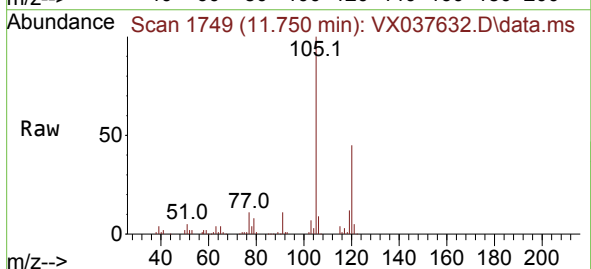
Instrument :
MSVOA_X
ClientSampleId :

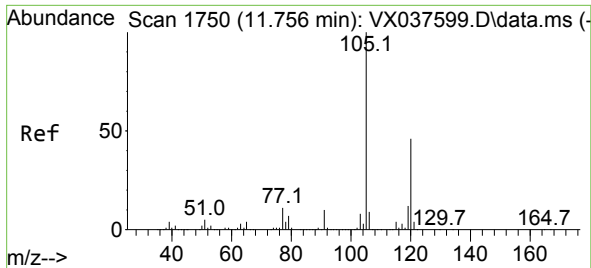
Tgt Ion: 91 Resp: 1530
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#



#83
tert-Butylbenzene
Concen: 0.968 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.036 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion: 119 Resp: 5545
Ion Ratio Lower Upper
119 100
91 87.8 31.2 93.6
134 0.0 11.7 35.0#

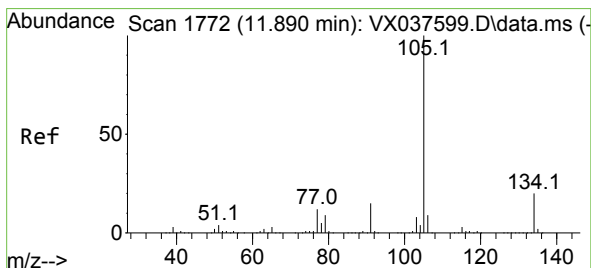
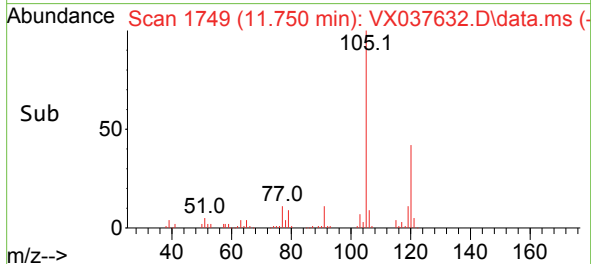
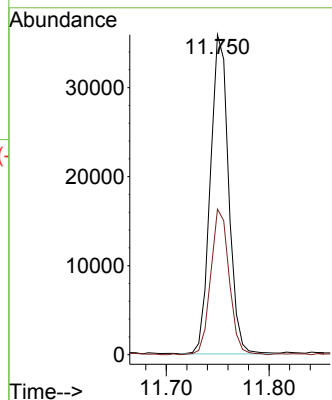
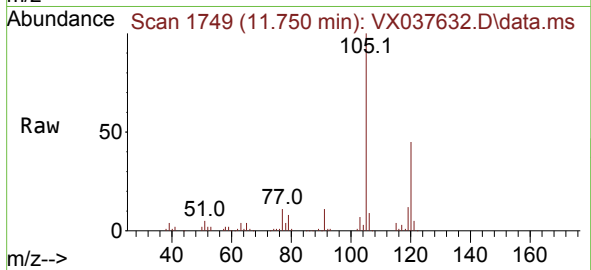




#84
1,2,4-Trimethylbenzene
Concen: 7.798 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

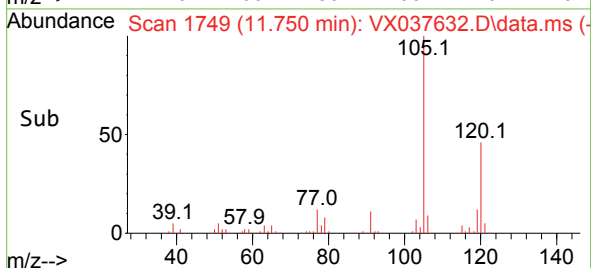
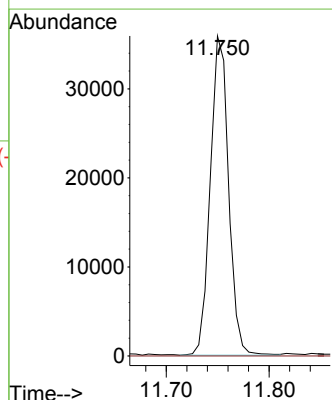
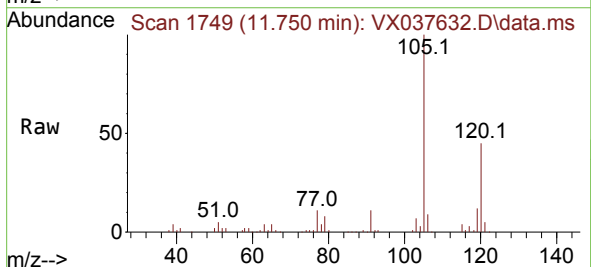
Instrument :
MSVOA_X
ClientSampleId :

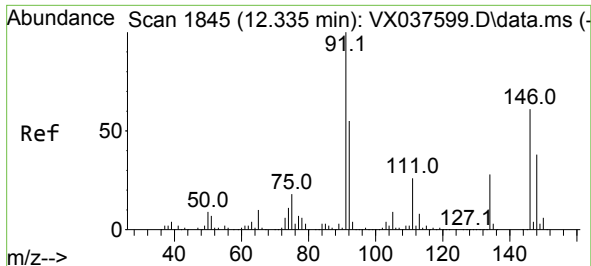
Tgt Ion:105 Resp: 44285
Ion Ratio Lower Upper
105 100
120 46.0 21.2 63.6



#85
sec-Butylbenzene
Concen: 6.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Tgt Ion:105 Resp: 44285
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#





#89

n-Butylbenzene

Concen: 0.413 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX037632.D

Acq: 09 Sep 2023 17:01

Instrument :

MSVOA_X

ClientSampleId :

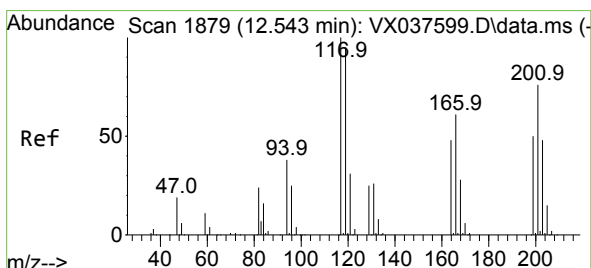
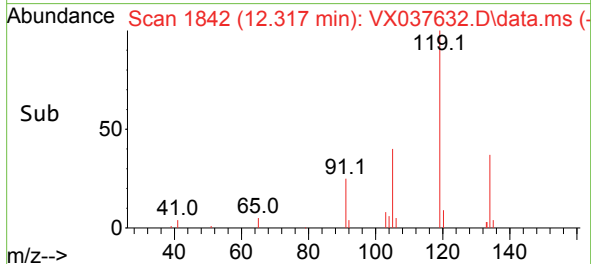
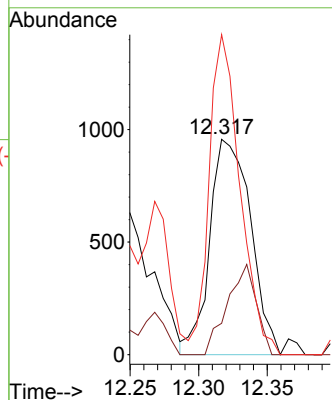
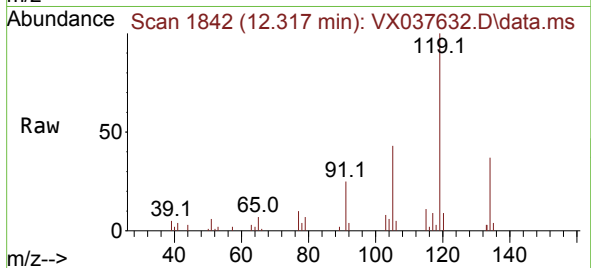
Tgt Ion: 91 Resp: 1982

Ion Ratio Lower Upper

91 100

92 29.8 27.4 82.0

134 112.4 12.6 37.8#



#90

Hexachloroethane

Concen: 0.299 ug/l

RT: 12.524 min Scan# 1876

Delta R.T. -0.018 min

Lab File: VX037632.D

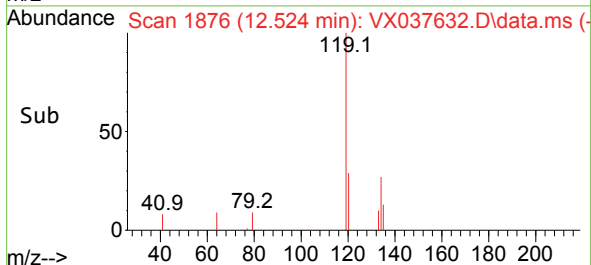
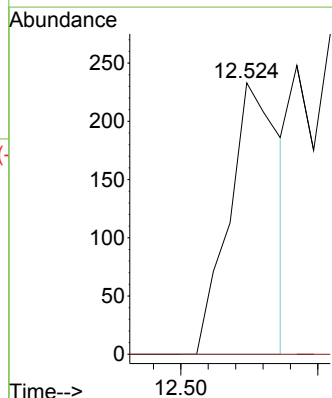
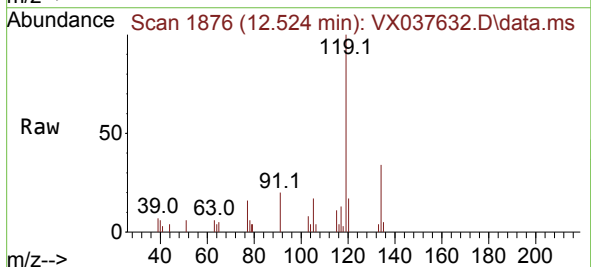
Acq: 09 Sep 2023 17:01

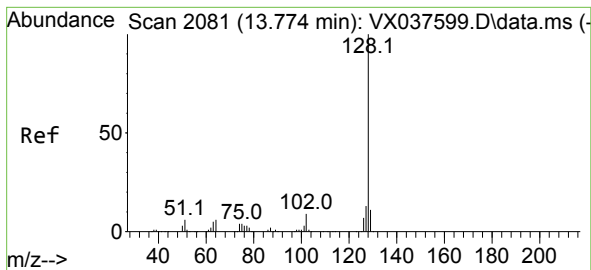
Tgt Ion: 117 Resp: 297

Ion Ratio Lower Upper

117 100

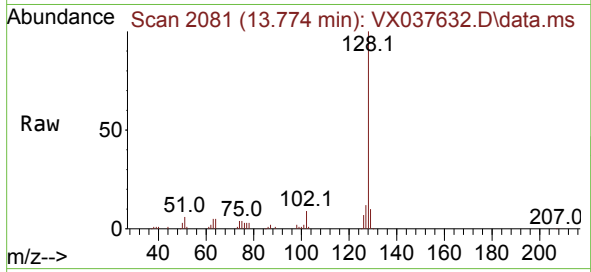
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 3.955 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX037632.D
Acq: 09 Sep 2023 17:01

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	26255
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.3	15.5
129	10.9	8.8	13.2

