

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
 Data File : VX037899.D
 Acq On : 26 Sep 2023 10:48
 Operator : JC/MD
 Sample : VX0926MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 27 01:11:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

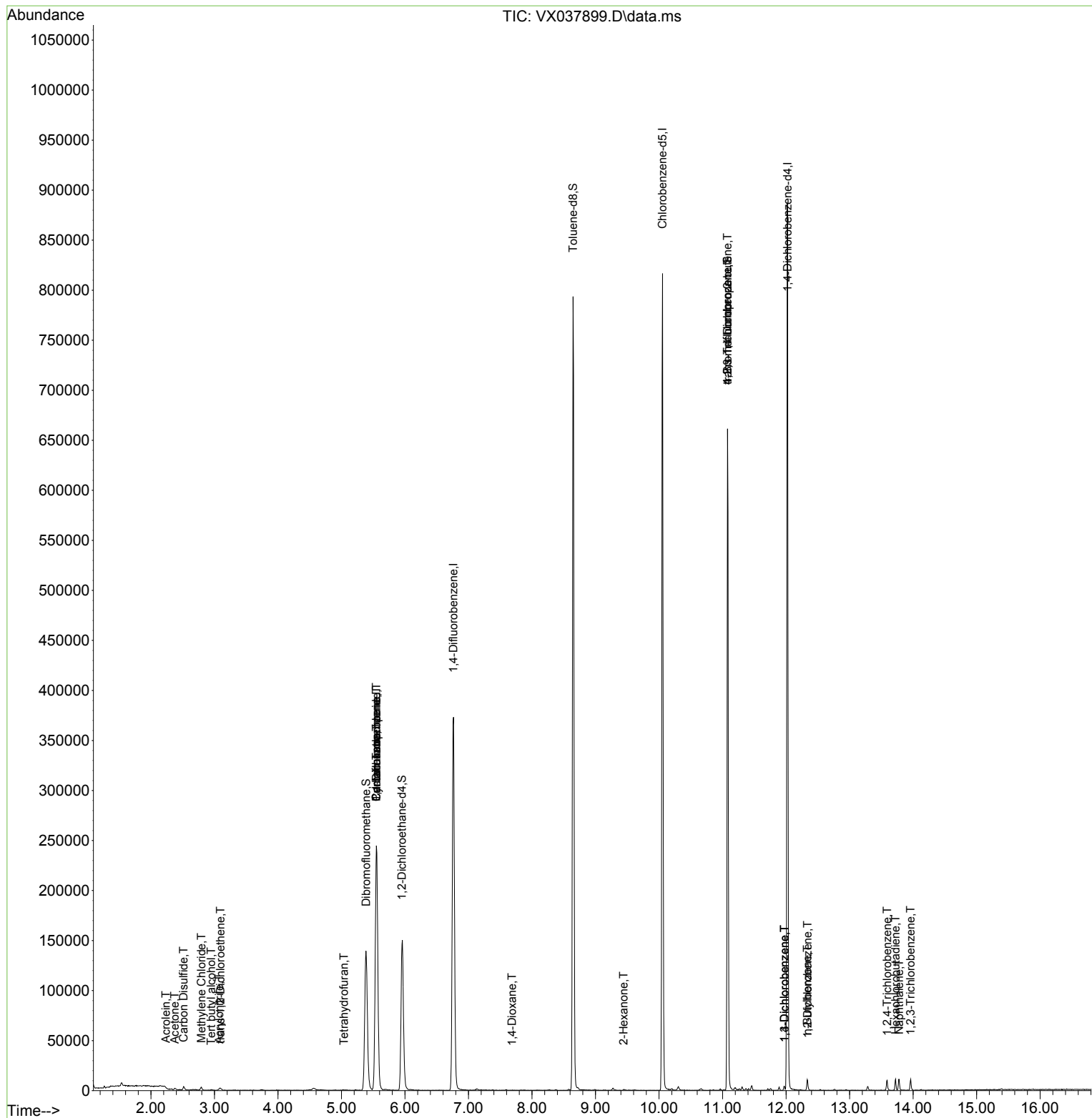
Internal Standards						
1) Pentafluorobenzene	5.550	168	237192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	392802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	369734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	188245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	143329	45.993	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.980%
35) Dibromofluoromethane	5.385	113	123763	47.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.180%
50) Toluene-d8	8.647	98	475098	48.650	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.300%
62) 4-Bromofluorobenzene	11.079	95	171067	48.206	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	402	0.601	ug/l #	81
13) Acrolein	2.233	56	910	1.377	ug/l	85
15) Acrylonitrile	3.075	53	950	0.639	ug/l	95
16) Acetone	2.373	43	1672	1.115	ug/l	90
17) Carbon Disulfide	2.514	76	3492	0.602	ug/l #	88
20) Methylene Chloride	2.794	84	1405	0.482	ug/l #	77
21) trans-1,2-Dichloroethene	3.093	96	788	0.307	ug/l #	57
29) Tetrahydrofuran	5.038	42	447	0.340	ug/l #	50
31) Cyclohexane	5.550	56	5091	1.273	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17713	4.892	ug/l #	52
38) Carbon Tetrachloride	5.550	117	23939	6.319	ug/l #	15
49) 1,4-Dioxane	7.683	88	44	0.552	ug/l #	47
59) 2-Hexanone	9.439	43	861	0.274	ug/l #	61
76) 1,2,3-Trichloropropane	11.079	75	86826	19.942	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	86826	63.882	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	1713	0.269	ug/l	93
88) 1,4-Dichlorobenzene	11.975	146	1713	0.263	ug/l	94
89) n-Butylbenzene	12.335	91	3610	0.346	ug/l	95
91) 1,2-Dichlorobenzene	12.341	146	1319	0.203	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	2731	0.713	ug/l	99
94) Hexachlorobutadiene	13.725	225	1598	0.893	ug/l	97
95) Naphthalene	13.780	128	8352	0.644	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2841	0.720	ug/l	97

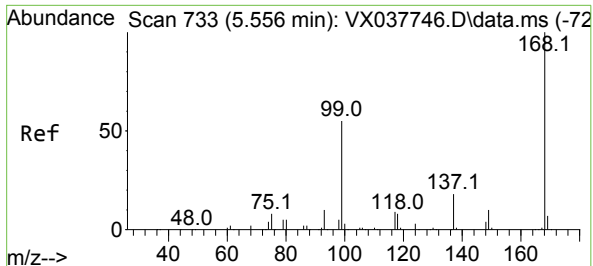
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX037899.D
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Sample : VX0926MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 27 01:11:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration

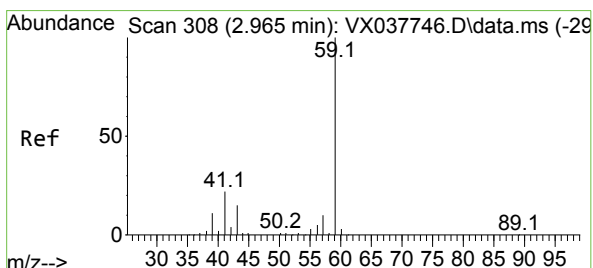
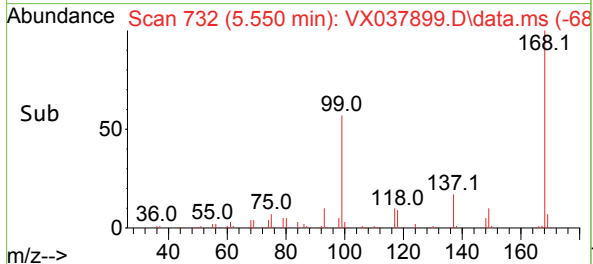
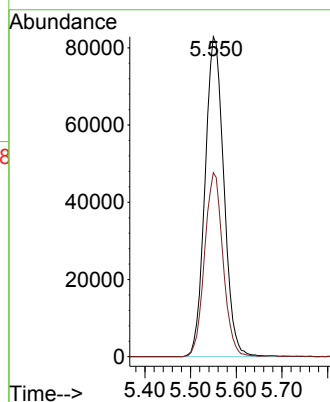
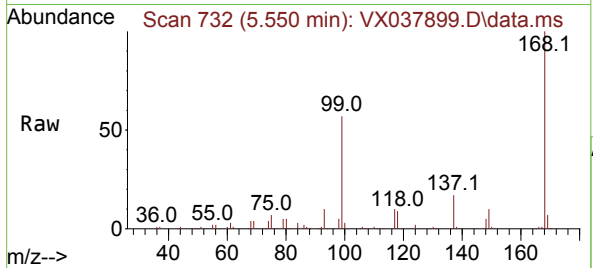




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

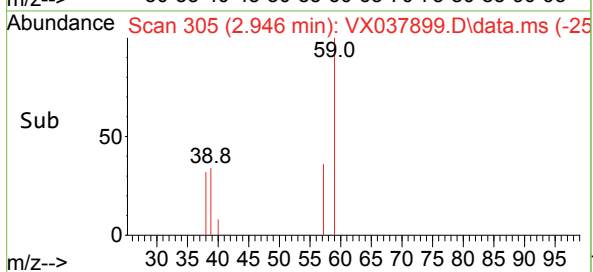
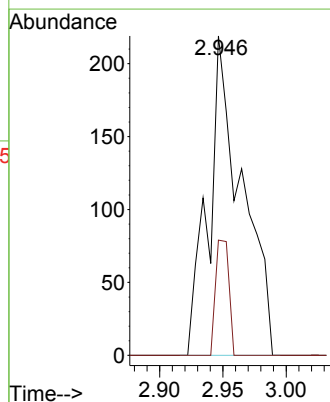
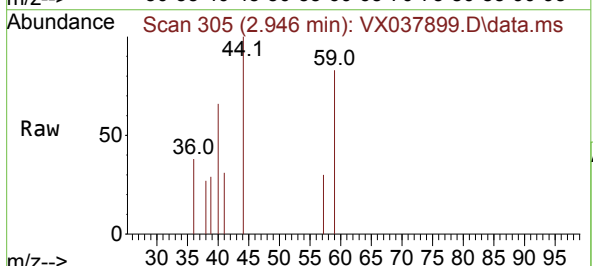
Instrument :
MSVOA_X
ClientSampleId :

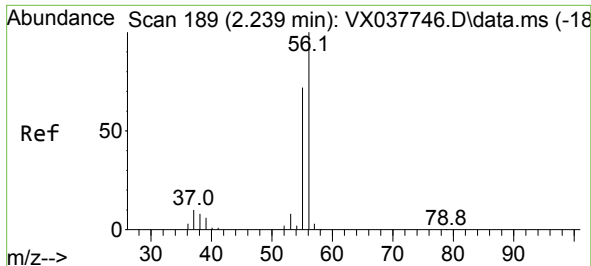
Tgt Ion:168 Resp: 237192
Ion Ratio Lower Upper
168 100
99 57.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.601 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

Tgt Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 14.2 6.0 9.0#





#13

Acrolein

Concen: 1.377 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

Instrument :

MSVOA_X

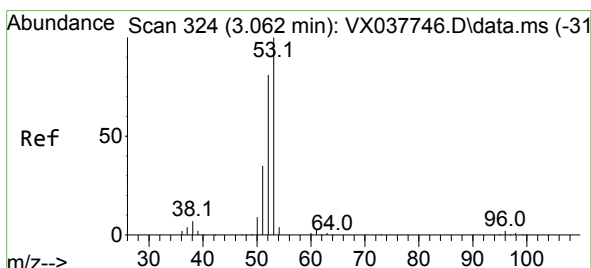
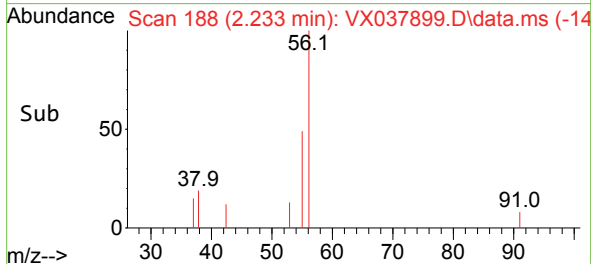
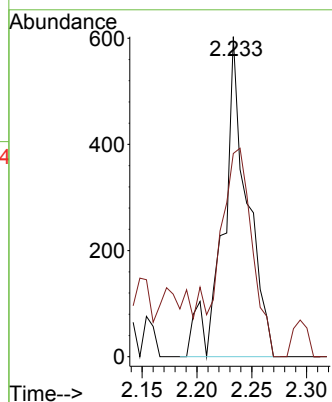
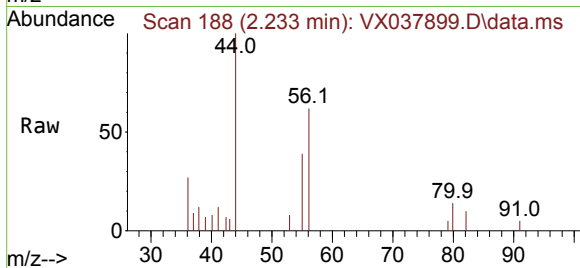
ClientSampleId :

Tgt Ion: 56 Resp: 910

Ion Ratio Lower Upper

56 100

55 83.5 57.1 85.7



#15

Acrylonitrile

Concen: 0.639 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.006 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

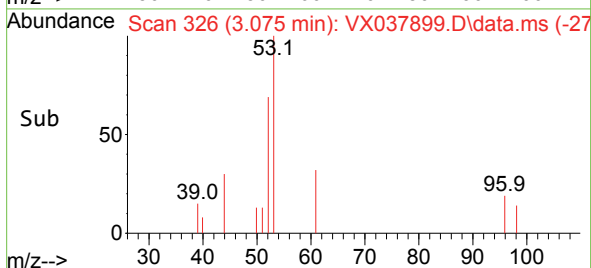
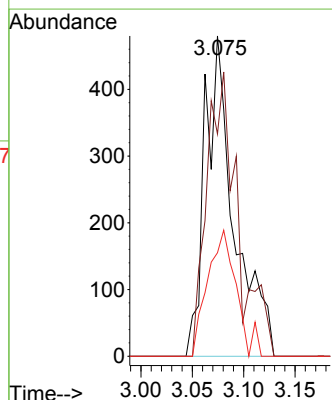
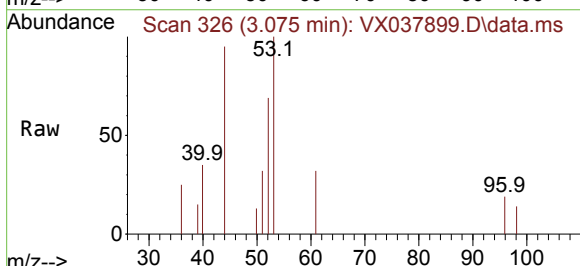
Tgt Ion: 53 Resp: 950

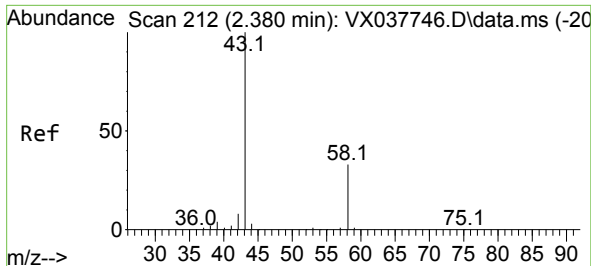
Ion Ratio Lower Upper

53 100

52 87.5 66.0 99.0

51 38.5 29.8 44.6





#16

Acetone

Concen: 1.115 ug/l

RT: 2.373 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

Instrument :

MSVOA_X

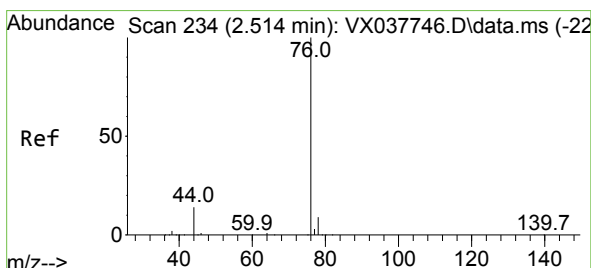
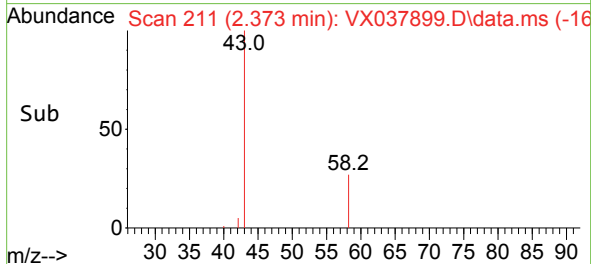
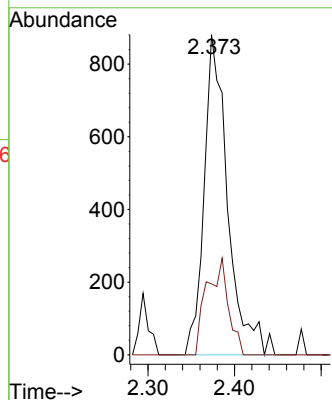
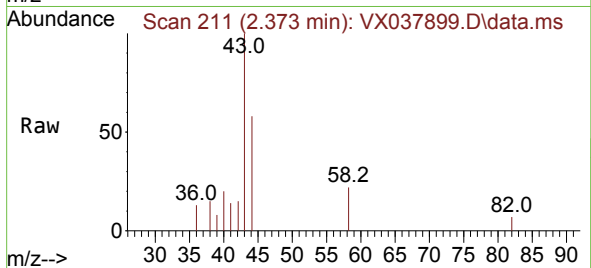
ClientSampleId :

Tgt Ion: 43 Resp: 1672

Ion Ratio Lower Upper

43 100

58 22.1 21.9 32.9



#17

Carbon Disulfide

Concen: 0.602 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX037899.D

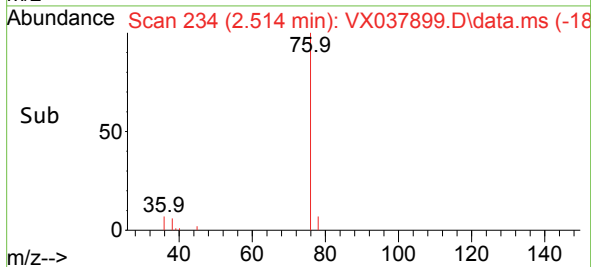
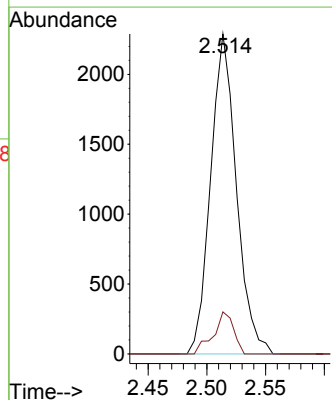
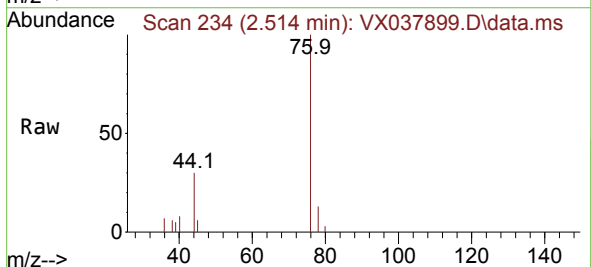
Acq: 26 Sep 2023 10:48

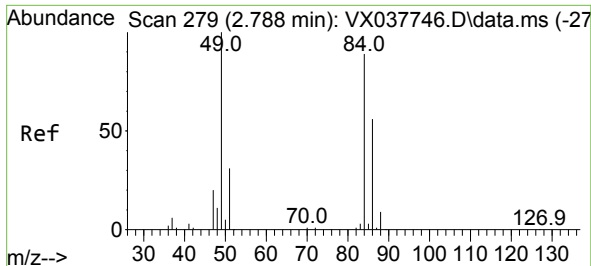
Tgt Ion: 76 Resp: 3492

Ion Ratio Lower Upper

76 100

78 13.1 7.0 10.6#





#20

Methylene Chloride

Concen: 0.482 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

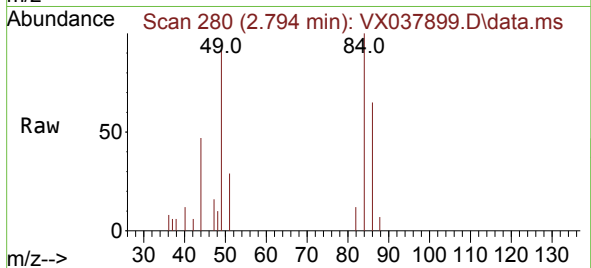
Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1405

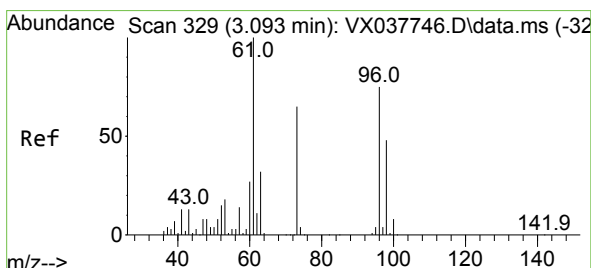
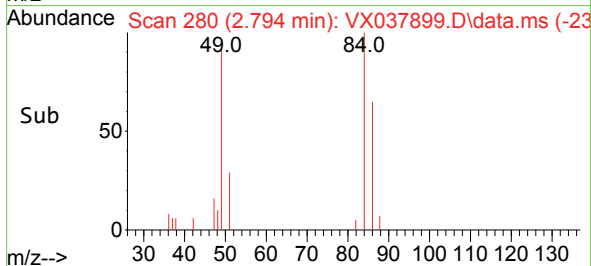
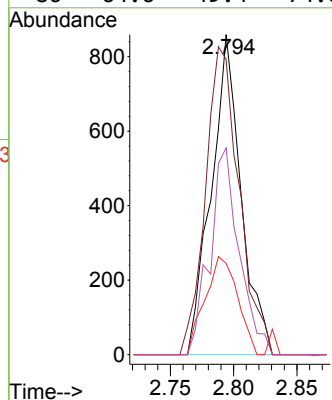
Ion Ratio Lower Upper

84 100

49 92.3 103.6 155.4#

51 28.5 33.8 50.6#

86 64.6 49.4 74.0



#21

trans-1,2-Dichloroethene

Concen: 0.307 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

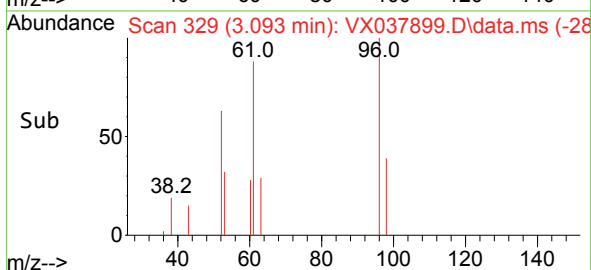
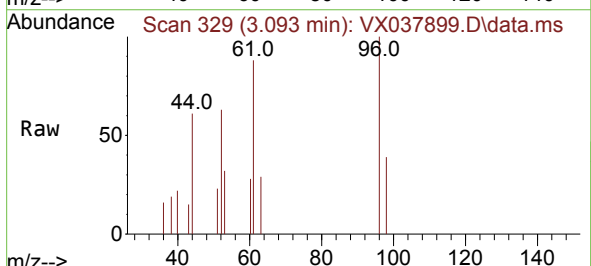
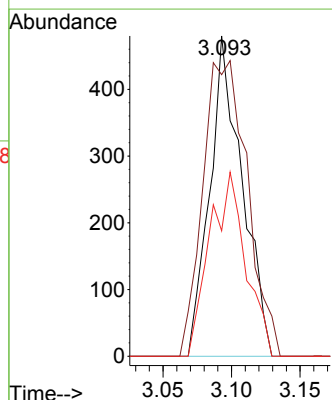
Tgt Ion: 96 Resp: 788

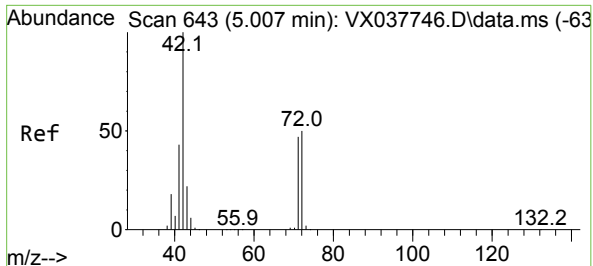
Ion Ratio Lower Upper

96 100

61 87.9 119.2 178.8#

98 39.2 48.7 73.1#





#29

Tetrahydrofuran

Concen: 0.340 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.024 min

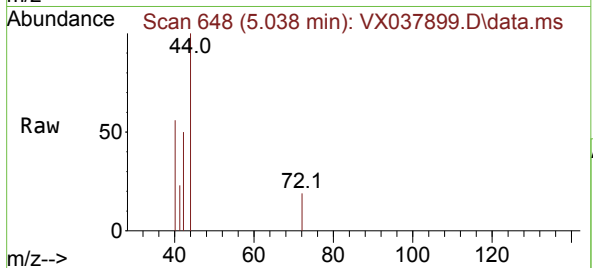
Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

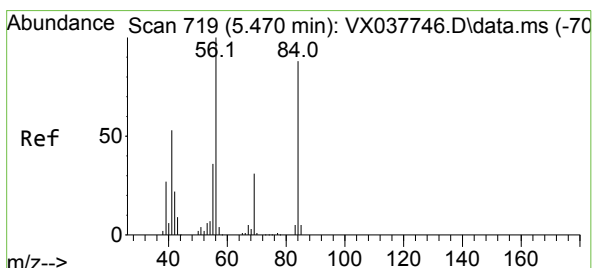
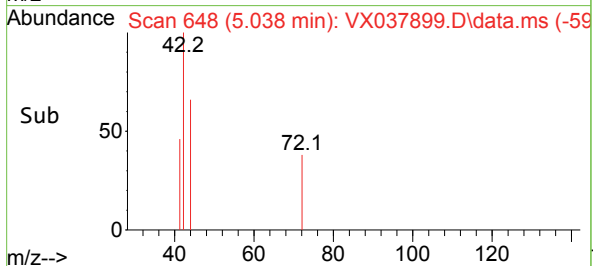
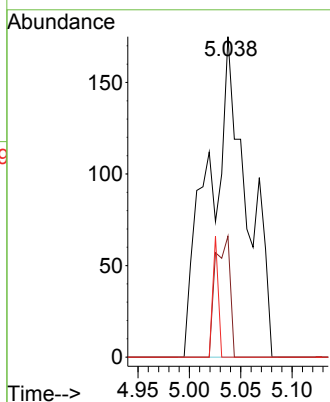
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	447
Ion	Ratio	Lower	Upper
42	100		
72	14.5	34.2	51.4#
71	5.4	32.2	48.2#



#31

Cyclohexane

Concen: 1.273 ug/l

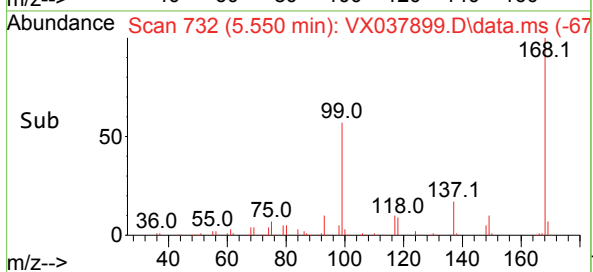
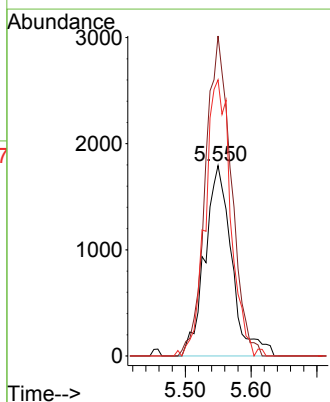
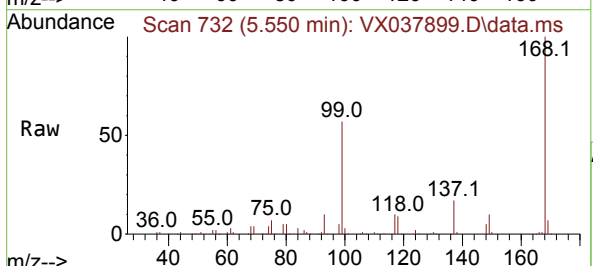
RT: 5.550 min Scan# 732

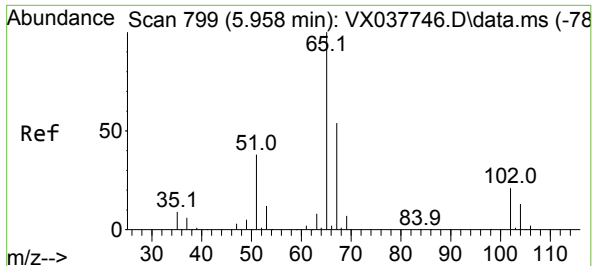
Delta R.T. 0.079 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

Tgt Ion:	56	Resp:	5091
Ion	Ratio	Lower	Upper
56	100		
69	168.1	23.4	35.2#
84	145.0	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.993 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

Instrument :

MSVOA_X

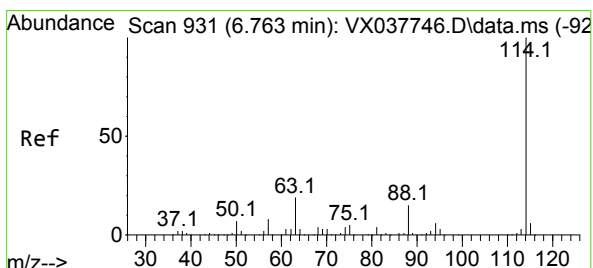
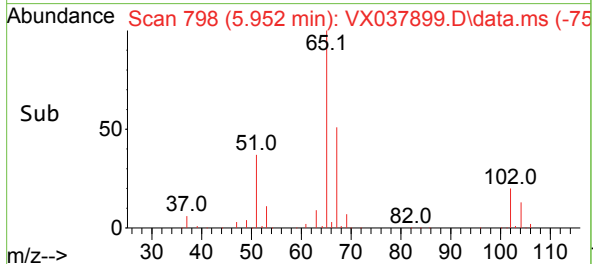
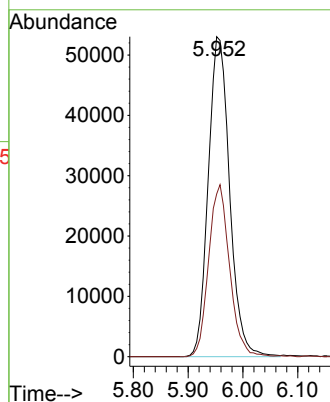
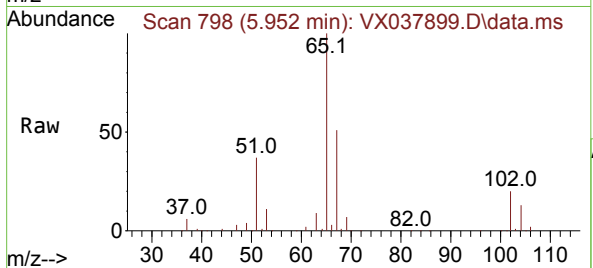
ClientSampleId :

Tgt Ion: 65 Resp: 143329

Ion Ratio Lower Upper

65 100

67 52.7 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: VX037899.D

Acq: 26 Sep 2023 10:48

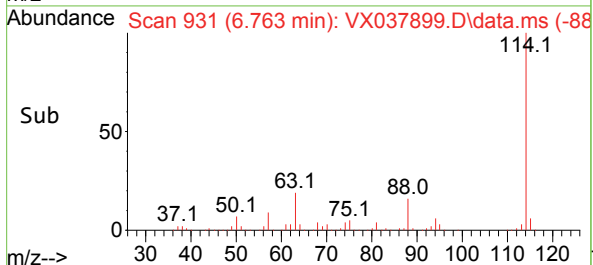
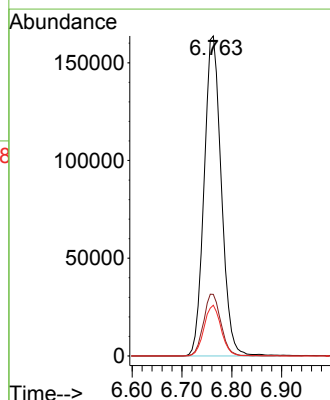
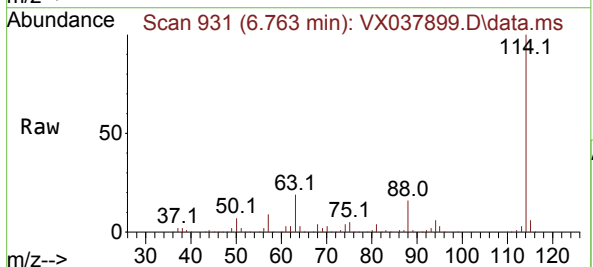
Tgt Ion: 114 Resp: 392802

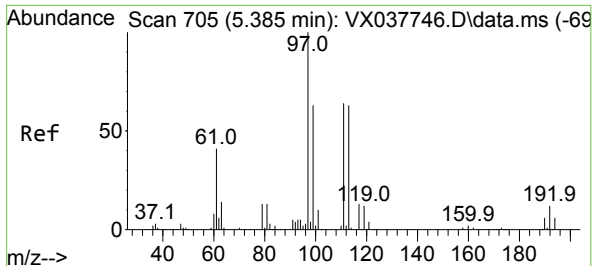
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

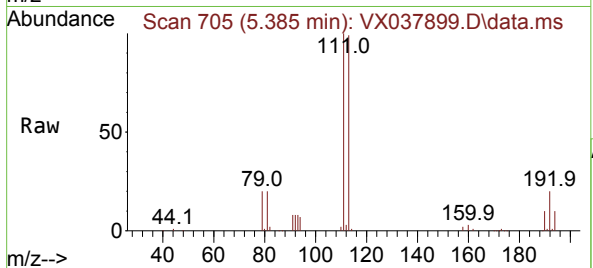
88 15.8 0.0 36.6



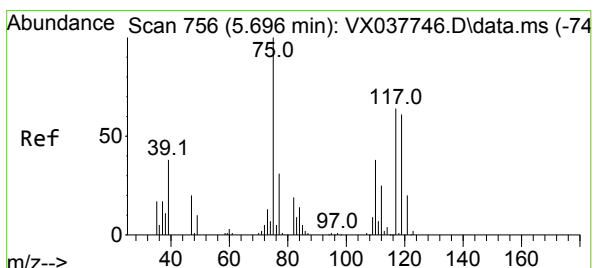
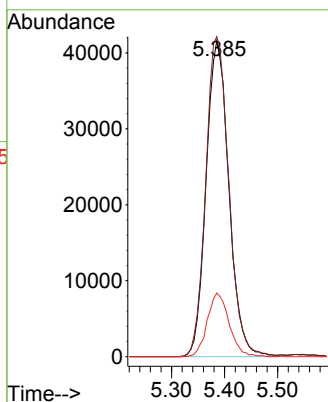
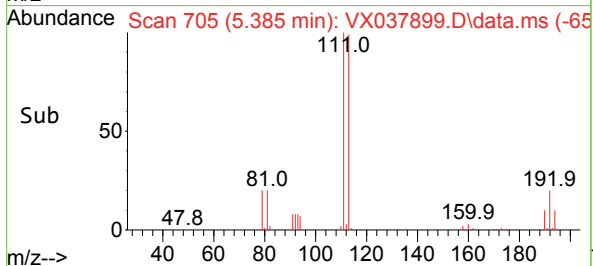


#35
Dibromofluoromethane
Concen: 47.089 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

Instrument :
MSVOA_X
ClientSampleId :

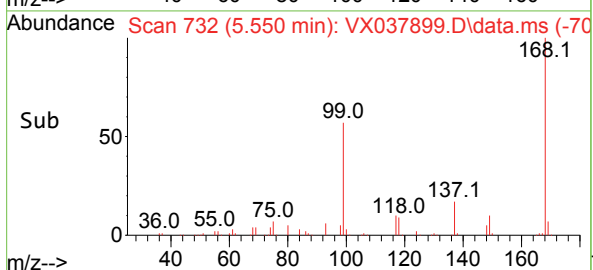
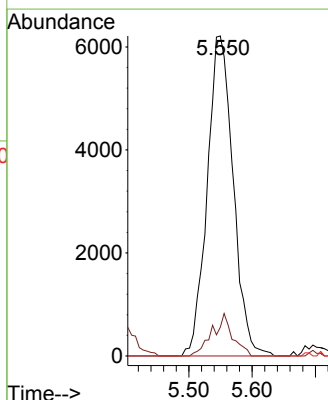
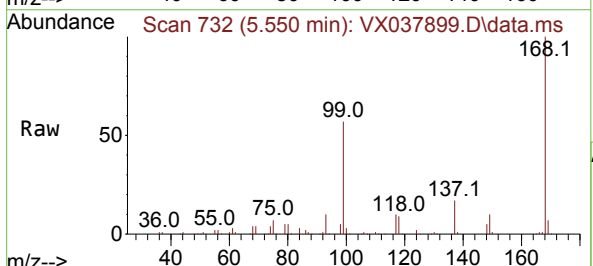


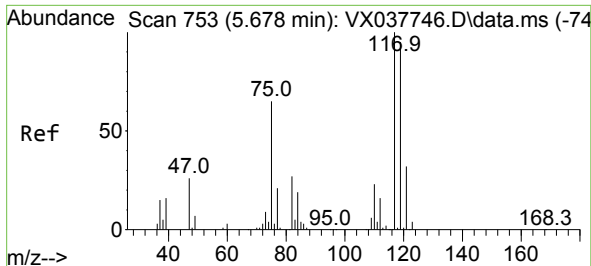
Tgt Ion:113 Resp: 123763
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 19.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

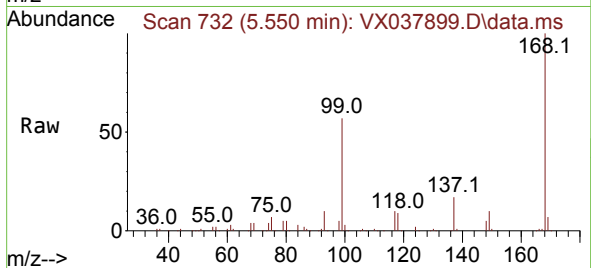
Tgt Ion: 75 Resp: 17713
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



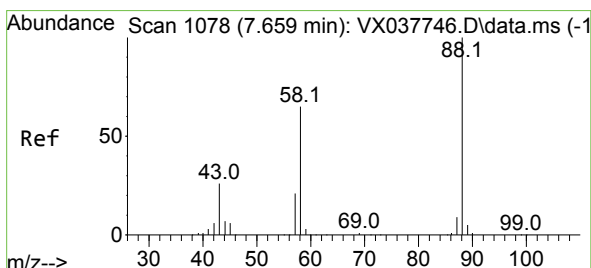
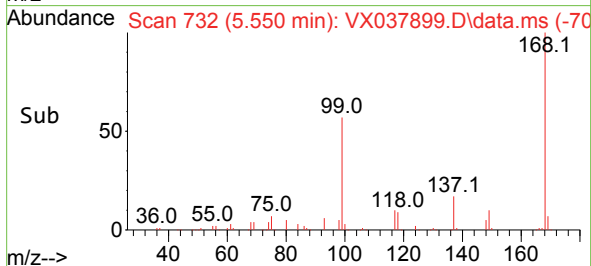
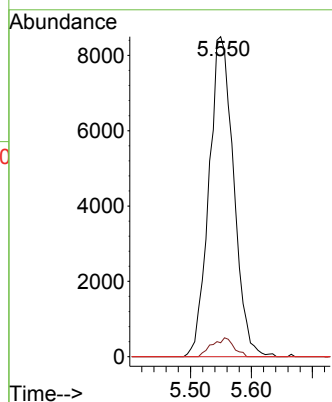


#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

Instrument :
MSVOA_X
ClientSampleId :

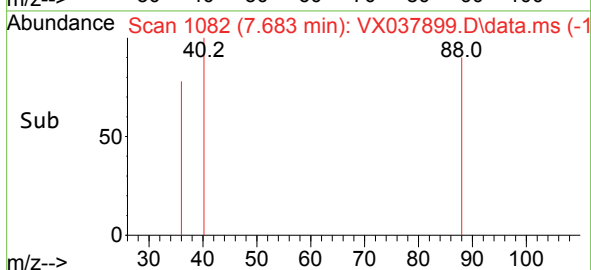
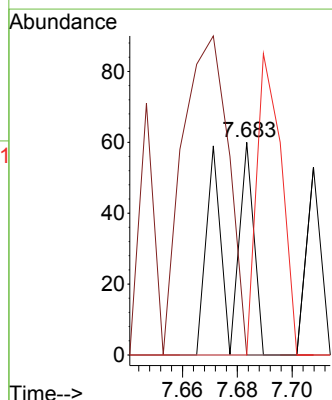
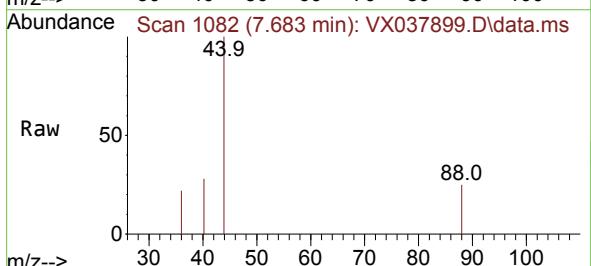


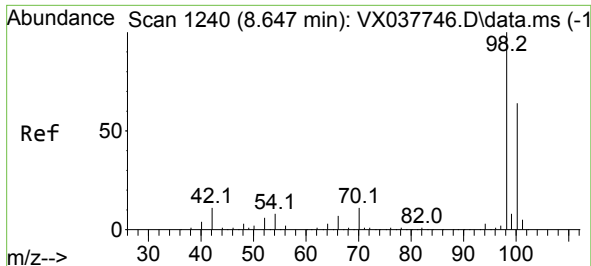
Tgt Ion:117 Resp: 23939
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.552 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.012 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 297.7 0.0 0.0#
58 120.5 60.1 90.1#





#50

Toluene-d8

Concen: 48.650 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

Instrument :

MSVOA_X

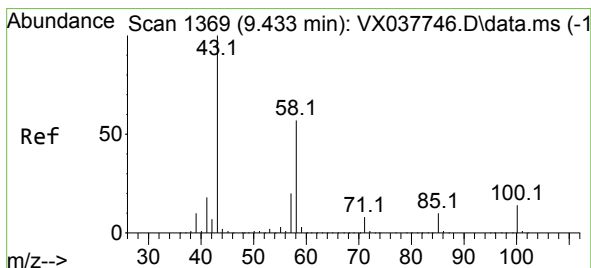
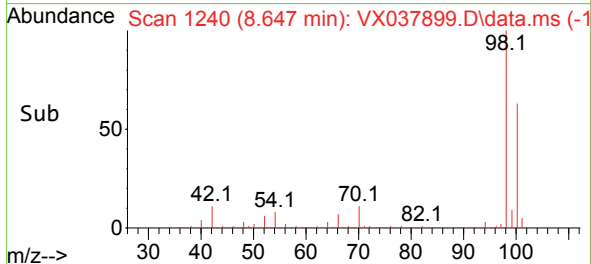
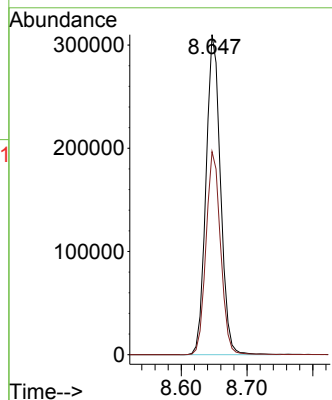
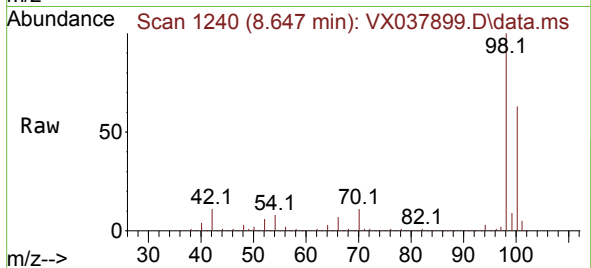
ClientSampleId :

Tgt Ion: 98 Resp: 475098

Ion Ratio Lower Upper

98 100

100 63.8 53.1 79.7



#59

2-Hexanone

Concen: 0.274 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX037899.D

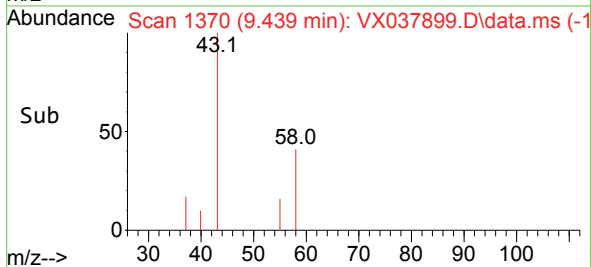
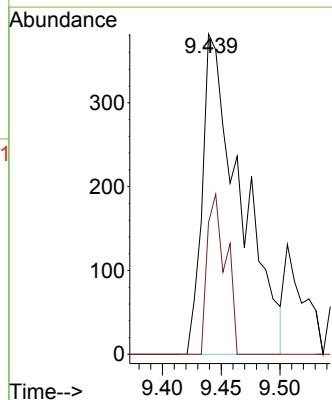
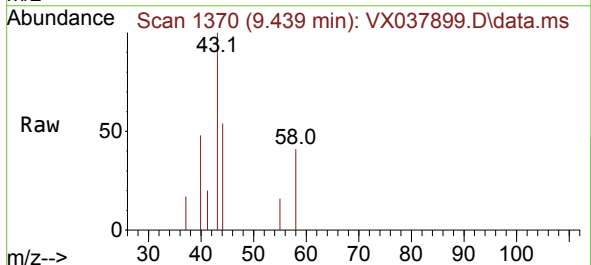
Acq: 26 Sep 2023 10:48

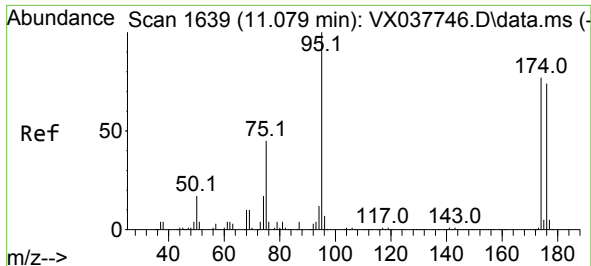
Tgt Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

58 24.5 26.2 78.5#

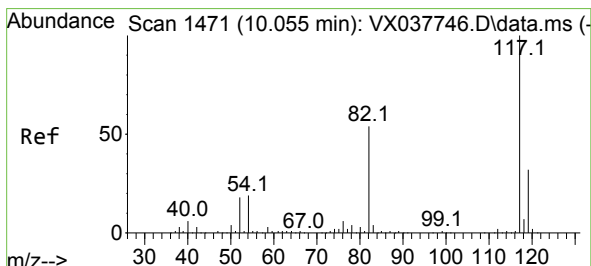
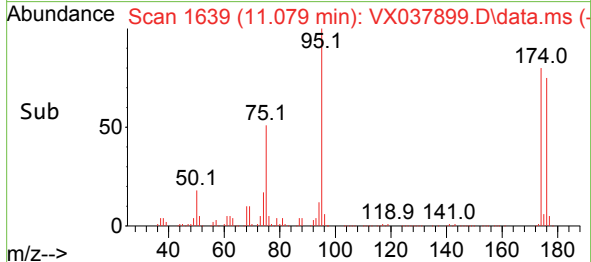
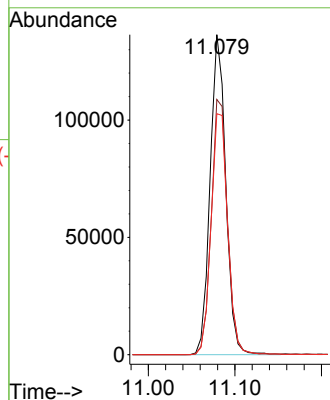
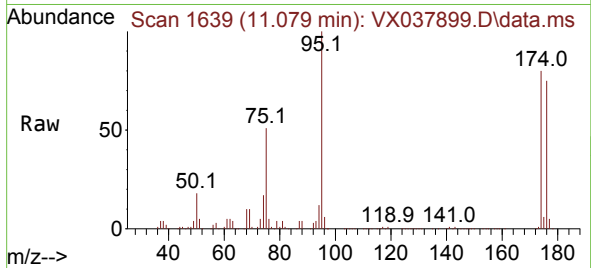




#62
4-Bromofluorobenzene
Concen: 48.206 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

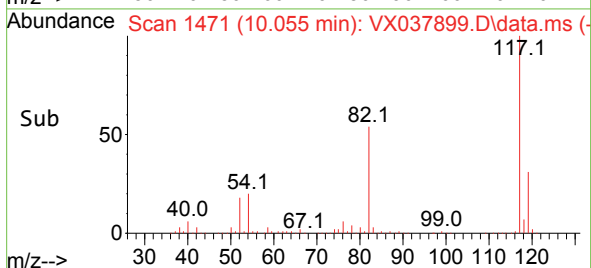
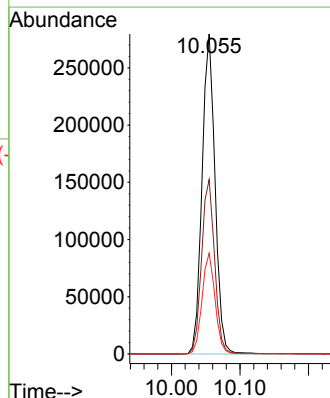
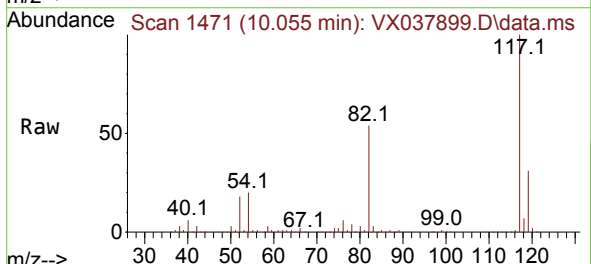
Instrument :
MSVOA_X
ClientSampleId :

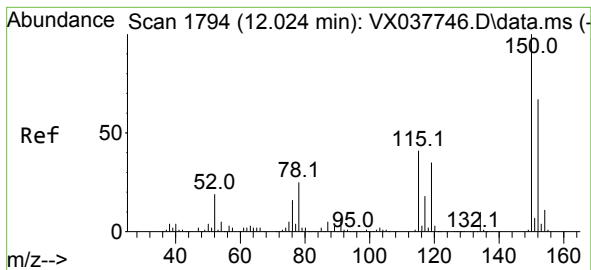
Tgt Ion: 95 Resp: 171067
Ion Ratio Lower Upper
95 100
174 82.9 0.0 135.6
176 80.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

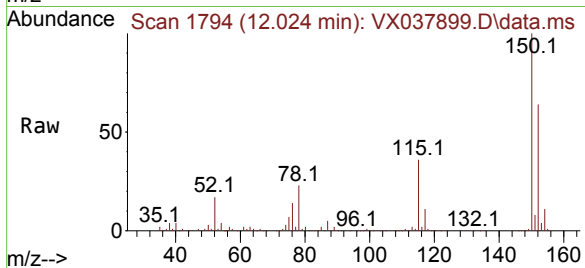
Tgt Ion: 117 Resp: 369734
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 31.5 25.5 38.3



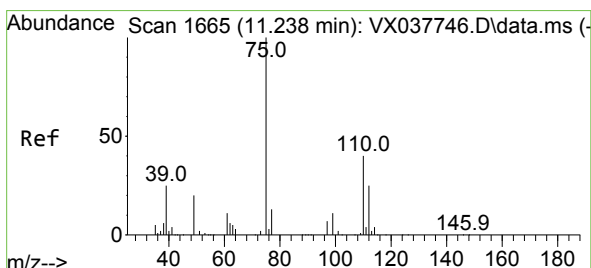
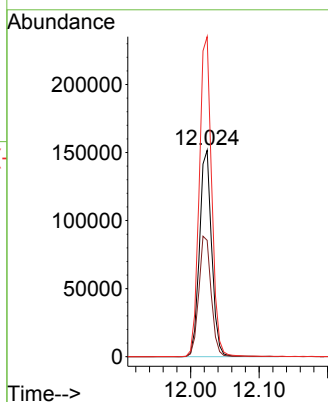
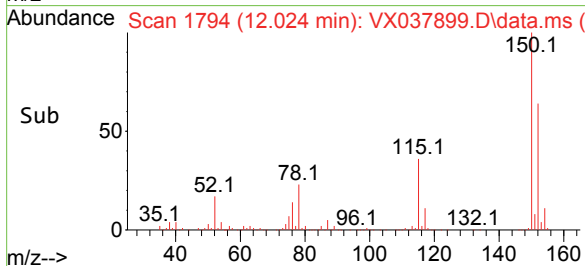


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037899.D
 Acq: 26 Sep 2023 10:48

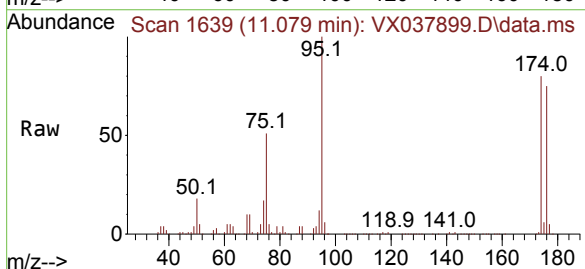
Instrument :
 MSVOA_X
 ClientSampleId :



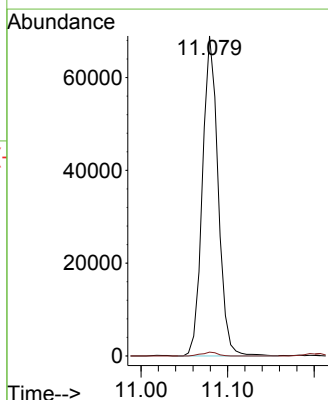
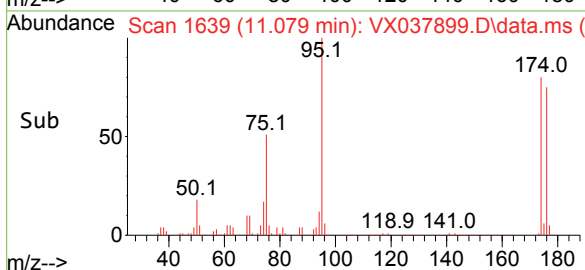
Tgt Ion:152 Resp: 188245
 Ion Ratio Lower Upper
 152 100
 115 59.0 43.3 129.9
 150 157.9 0.0 345.0

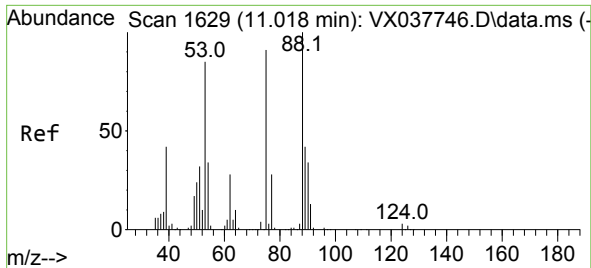


#76
 1,2,3-Trichloropropane
 Concen: 19.942 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037899.D
 Acq: 26 Sep 2023 10:48



Tgt Ion: 75 Resp: 86826
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

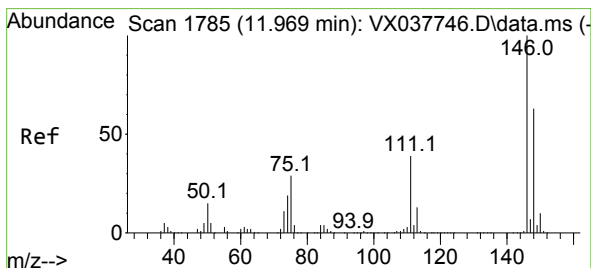
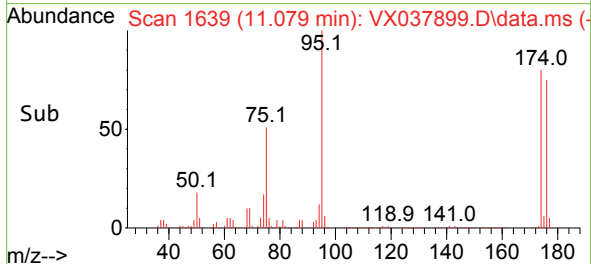
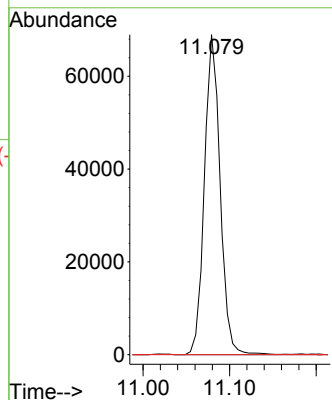
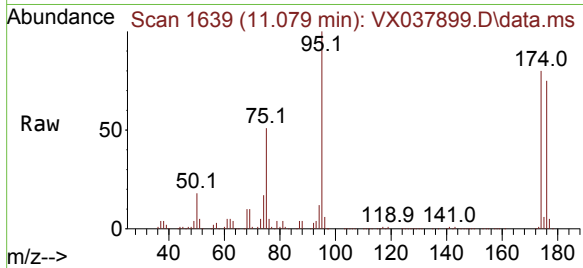




#81
trans-1,4-Dichloro-2-butene
Concen: 63.882 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

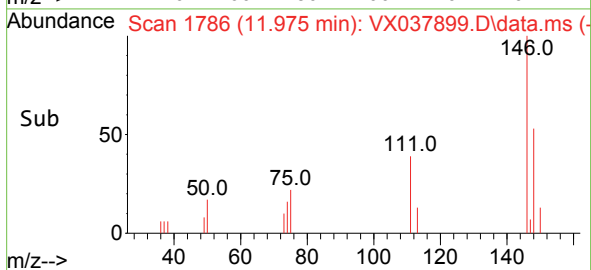
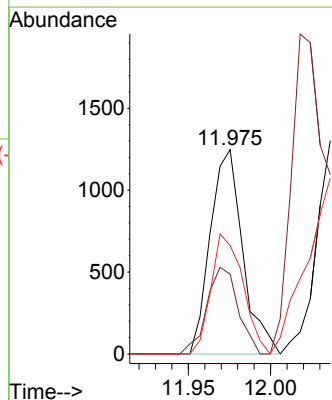
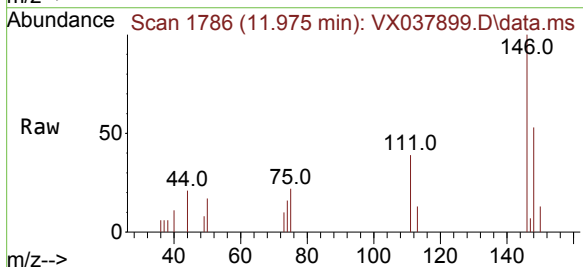
Instrument :
MSVOA_X
ClientSampleId :

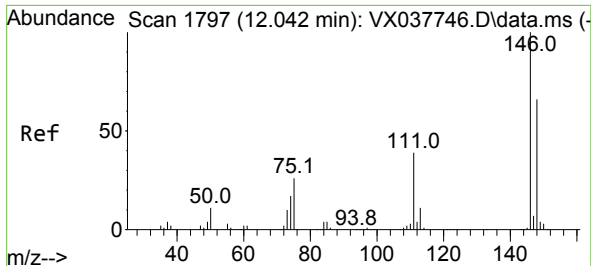
Tgt Ion: 75 Resp: 86826
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.269 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

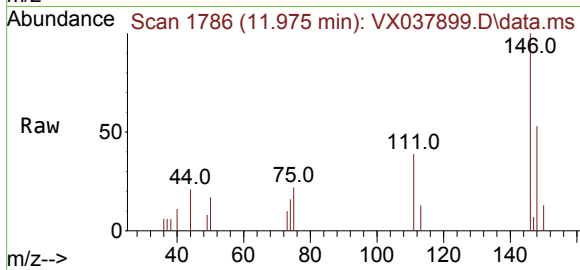
Tgt Ion:146 Resp: 1713
Ion Ratio Lower Upper
146 100
111 40.7 22.1 66.1
148 57.4 31.8 95.3



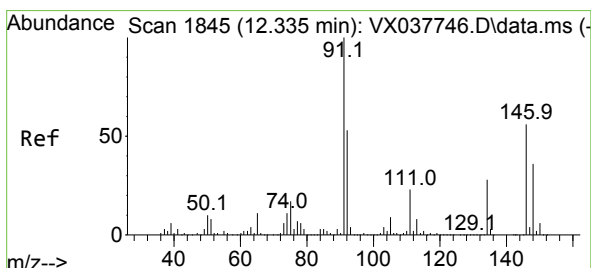
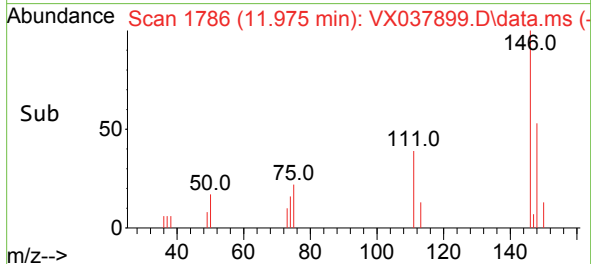
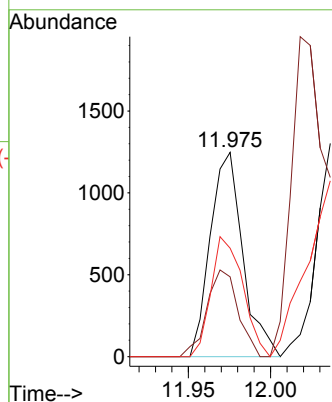


#88
1,4-Dichlorobenzene
Concen: 0.263 ug/l
RT: 11.975 min Scan# 1797
Delta R.T. -0.067 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

Instrument :
MSVOA_X
ClientSampleId :

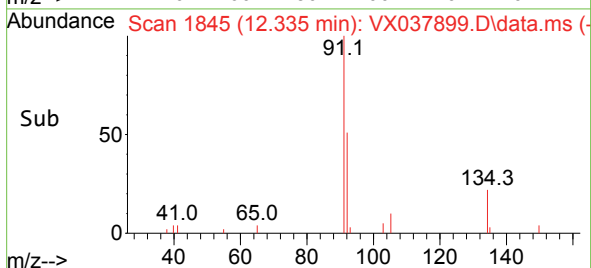
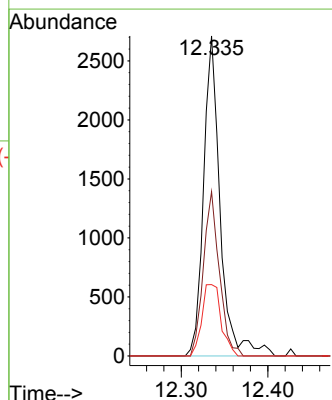
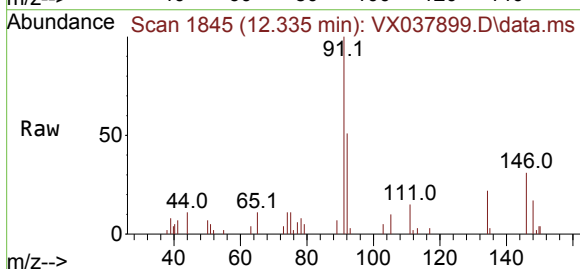


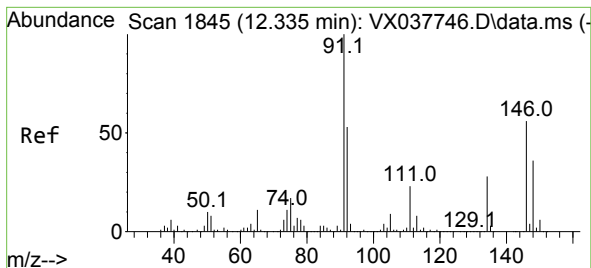
Tgt Ion:146 Resp: 1713
Ion Ratio Lower Upper
146 100
111 40.7 21.3 63.7
148 57.4 31.8 95.4



#89
n-Butylbenzene
Concen: 0.346 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

Tgt Ion: 91 Resp: 3610
Ion Ratio Lower Upper
91 100
92 49.4 27.4 82.0
134 25.8 12.6 37.8





#91

1,2-Dichlorobenzene

Concen: 0.203 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

Instrument :

MSVOA_X

ClientSampleId :

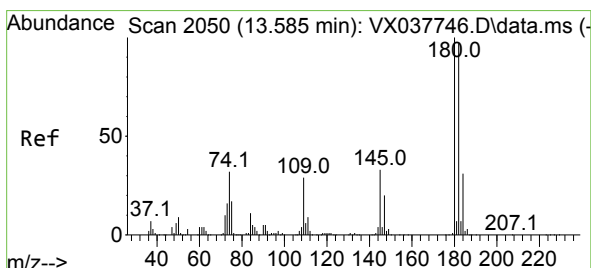
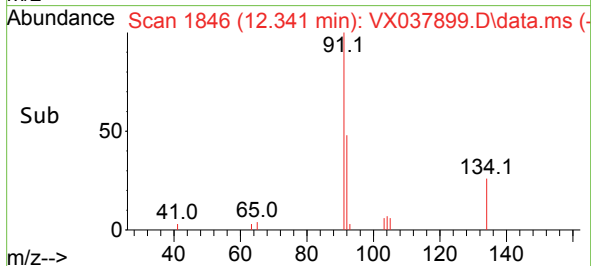
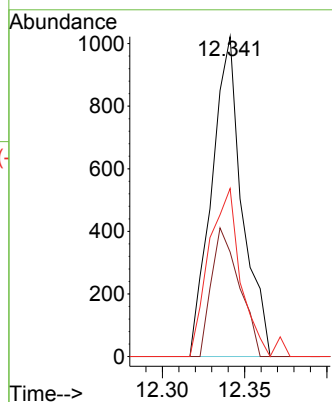
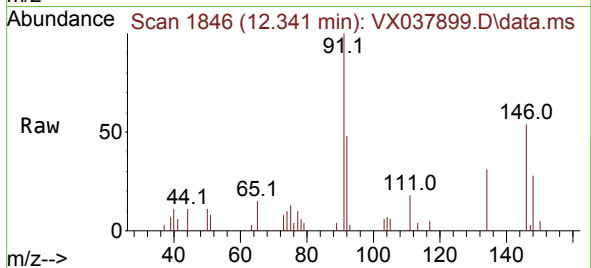
Tgt Ion:146 Resp: 1319

Ion Ratio Lower Upper

146 100

111 36.7 22.4 67.0

148 56.1 31.6 95.0



#93

1,2,4-Trichlorobenzene

Concen: 0.713 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037899.D

Acq: 26 Sep 2023 10:48

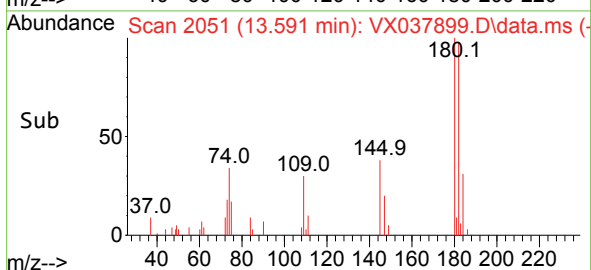
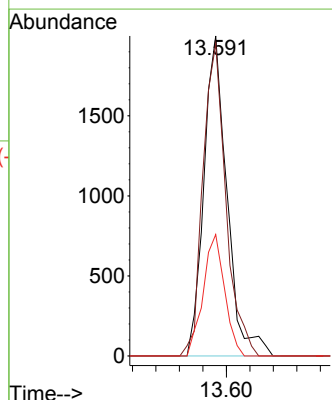
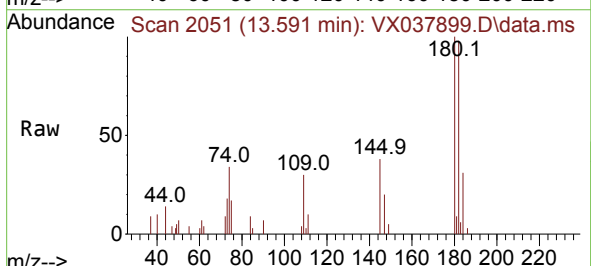
Tgt Ion:180 Resp: 2731

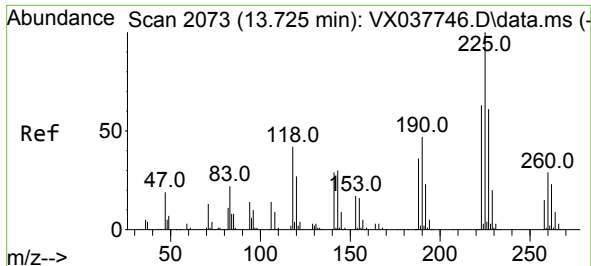
Ion Ratio Lower Upper

180 100

182 96.7 48.3 144.8

145 35.1 18.0 54.0

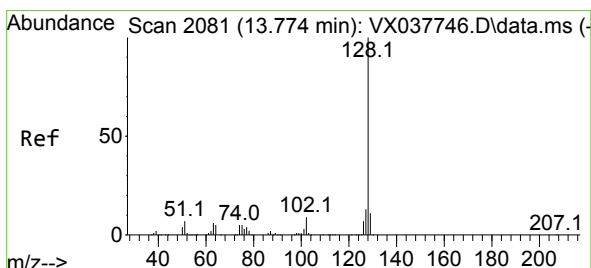
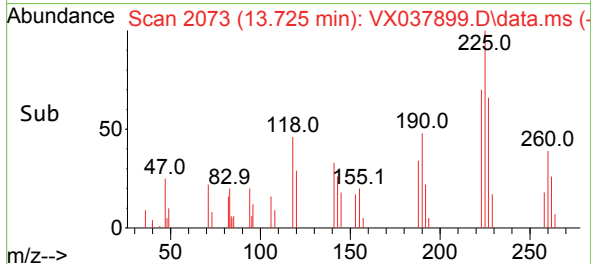
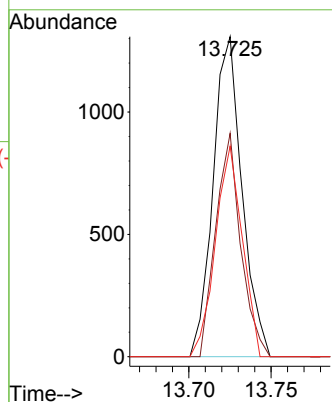
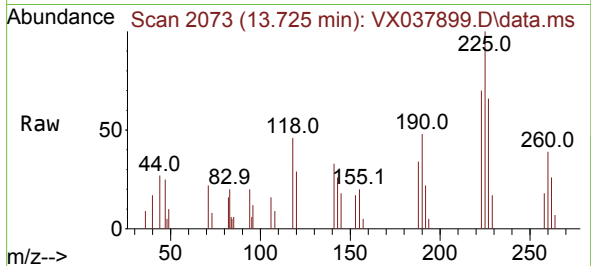




#94
Hexachlorobutadiene
Concen: 0.893 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

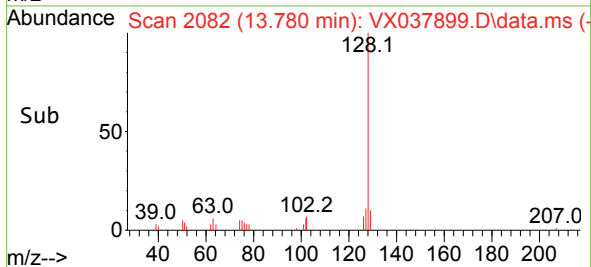
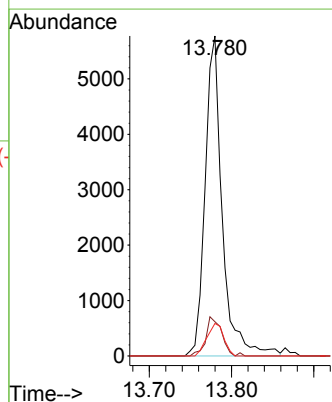
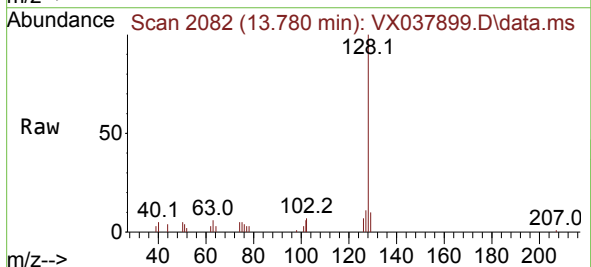
Instrument :
MSVOA_X
ClientSampleId :

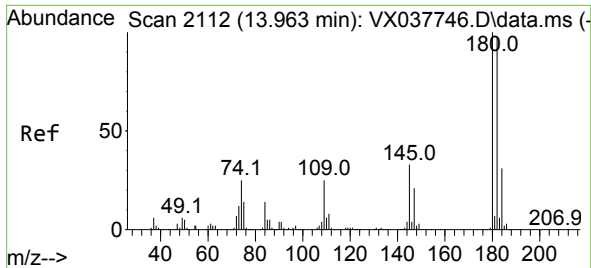
Tgt Ion:225 Resp: 1598
Ion Ratio Lower Upper
225 100
223 60.6 31.1 93.2
227 61.1 32.5 97.5



#95
Naphthalene
Concen: 0.644 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX037899.D
Acq: 26 Sep 2023 10:48

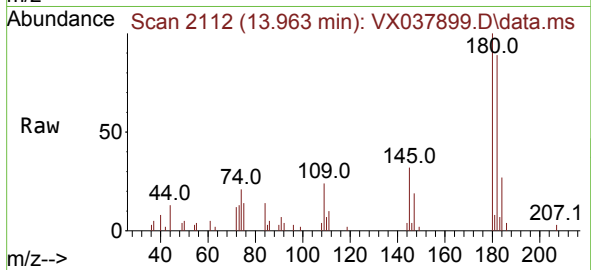
Tgt Ion:128 Resp: 8352
Ion Ratio Lower Upper
128 100
127 11.4 10.3 15.5
129 10.0 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.720 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX037899.D
 Acq: 26 Sep 2023 10:48

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	2841
Ion Ratio	Lower	Upper	
180	100		
182	97.1	46.9	140.6
145	36.8	17.8	53.5

