

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037672.D
 Acq On : 12 Sep 2023 16:37
 Operator : JC/MD
 Sample : 04373-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 01:46:56 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

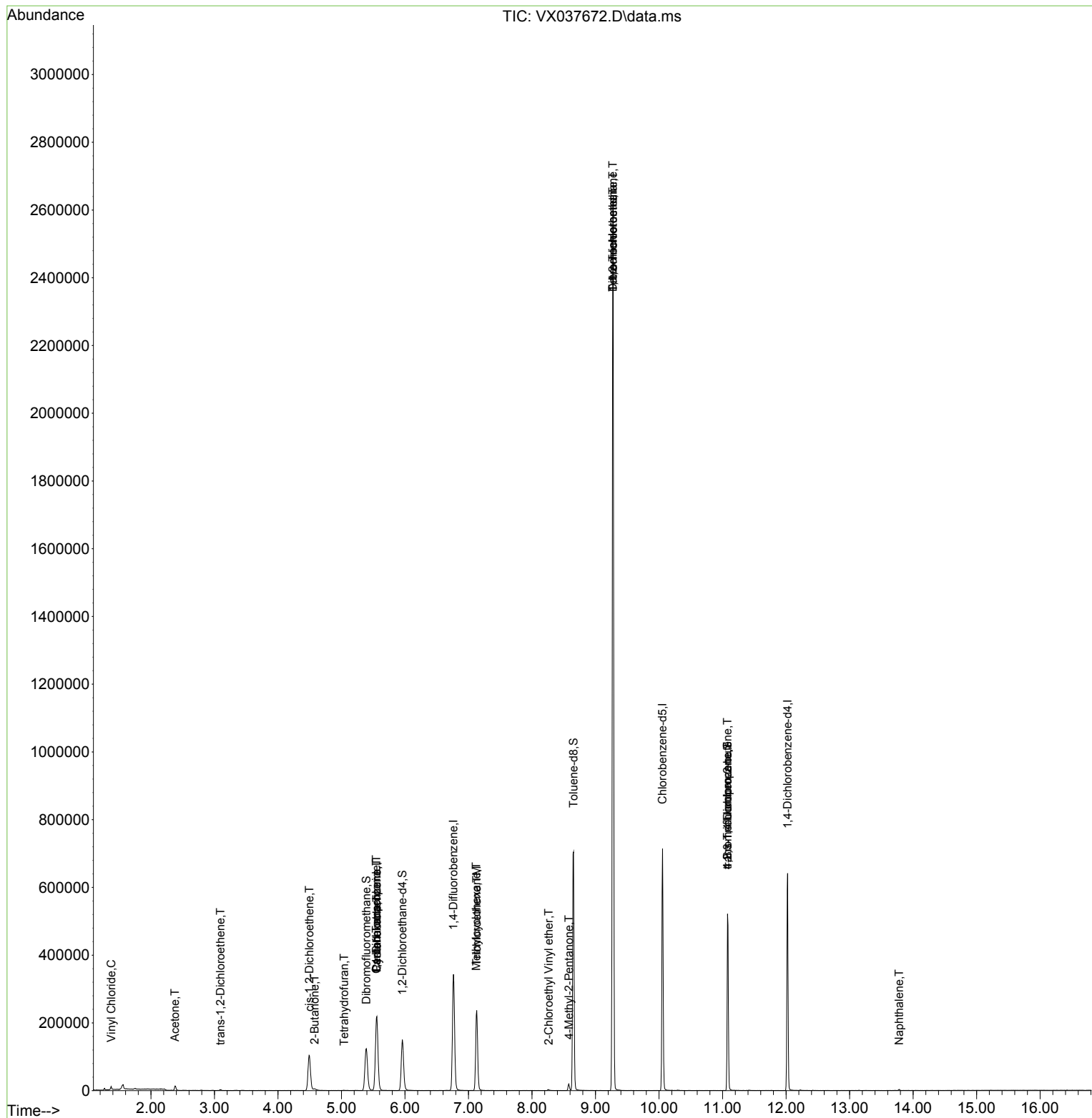
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	202317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	349546	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	313499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140671	42.975	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.940%
35) Dibromofluoromethane	5.391	113	110005	44.399	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.800%
50) Toluene-d8	8.653	98	431912	46.223	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.440%
62) 4-Bromofluorobenzene	11.079	95	139545	41.394	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.780%#
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	4104	1.444	ug/l	96
11) Tert butyl alcohol	2.965	59	295	Below Cal		100
16) Acetone	2.380	43	14288	10.797	ug/l	92
20) Methylene Chloride	2.794	84	488	Below Cal	#	77
21) trans-1,2-Dichloroethene	3.093	96	999	0.417	ug/l	# 91
25) 2-Butanone	4.574	43	8755	4.057	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	67272	23.036	ug/l	83
29) Tetrahydrofuran	5.044	42	401	0.292	ug/l	# 65
31) Cyclohexane	5.556	56	4835	1.283	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	17251	5.118	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	21331	6.195	ug/l	# 16
39) Methylcyclohexane	7.123	83	1175	0.295	ug/l	# 1
44) Trichloroethene	7.129	130	88273	34.578	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	11399	2.822	ug/l	99
55) 1,1,2-Trichloroethane	9.275	97	4485	1.621	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	8.263	63	1421	0.692	ug/l	100
60) Dibromochloromethane	9.275	129	457052	168.201	ug/l	# 11
64) Tetrachloroethene	9.275	164	459885	226.413	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	74774	26.130	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	74774	79.429	ug/l	# 5
95) Naphthalene	13.780	128	2424	0.253	ug/l	98

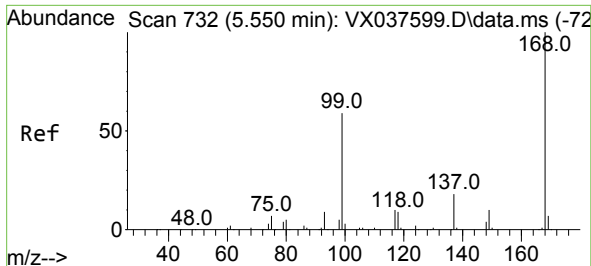
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

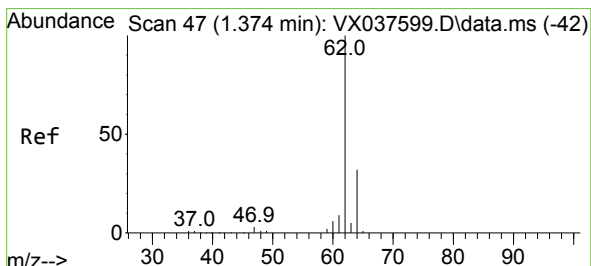
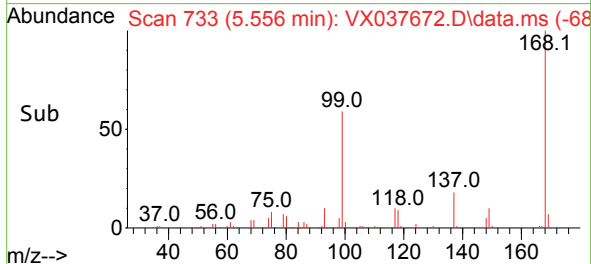
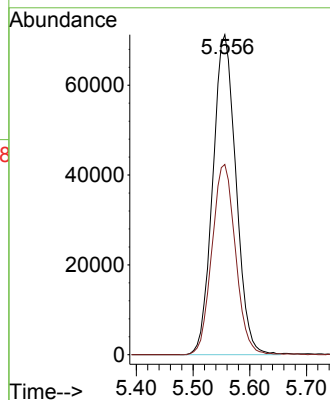
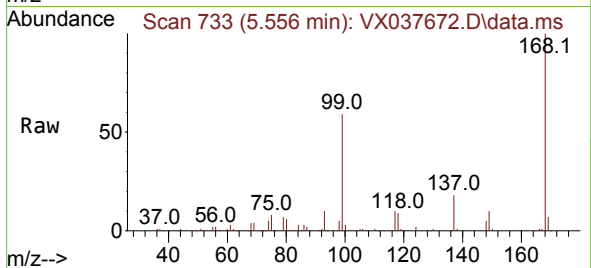
ClientSampleId :

Tgt Ion:168 Resp: 202317

Ion Ratio Lower Upper

168 100

99 59.5 56.6 85.0



#4

Vinyl Chloride

Concen: 1.444 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX037672.D

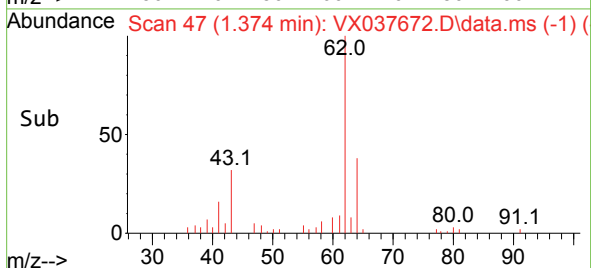
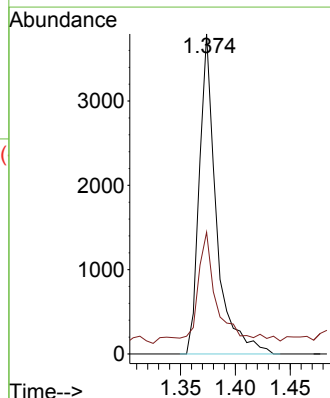
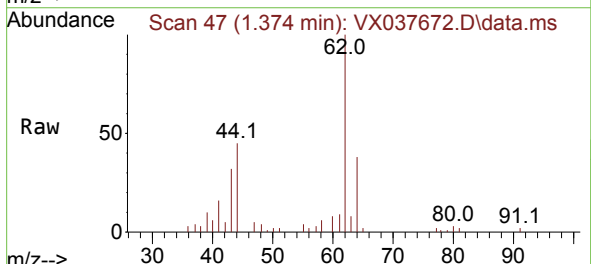
Acq: 12 Sep 2023 16:37

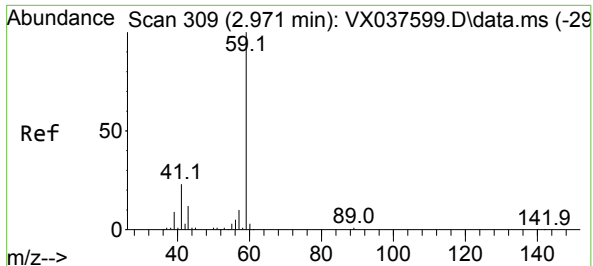
Tgt Ion: 62 Resp: 4104

Ion Ratio Lower Upper

62 100

64 34.0 25.4 38.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

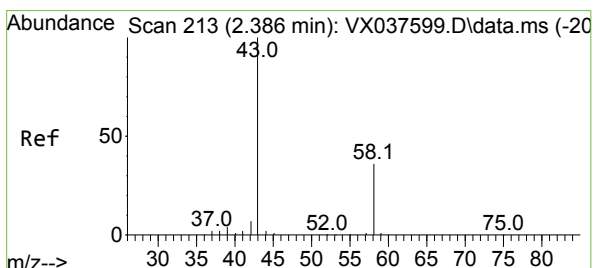
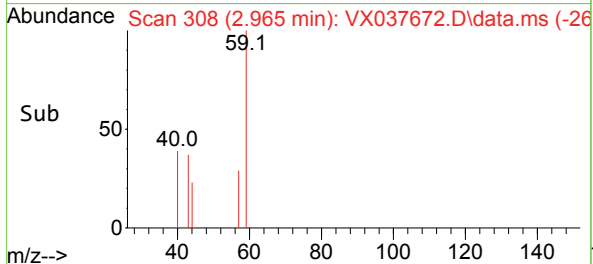
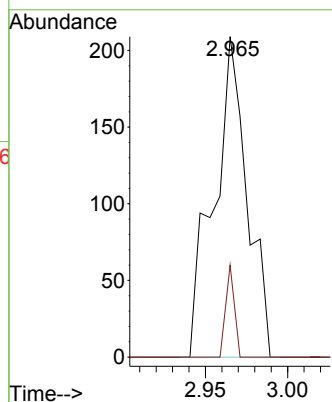
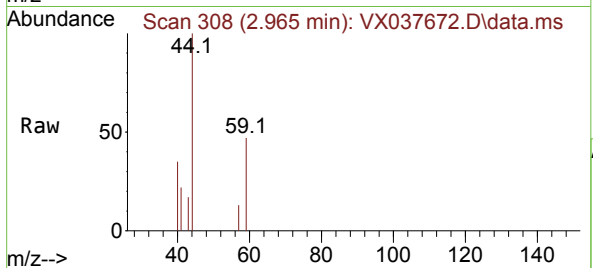
ClientSampleId :

Tgt Ion: 59 Resp: 295

Ion Ratio Lower Upper

59 100

57 7.5 6.0 9.0



#16

Acetone

Concen: 10.797 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037672.D

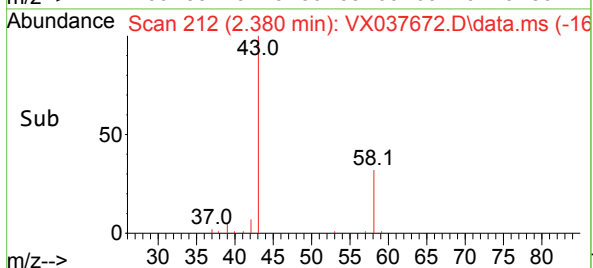
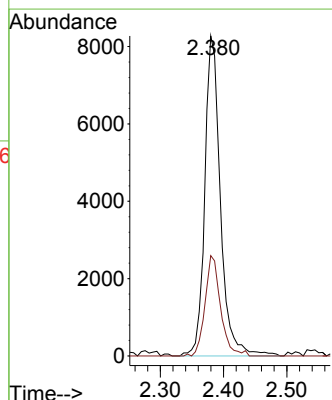
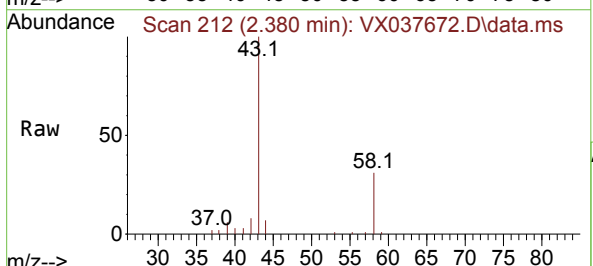
Acq: 12 Sep 2023 16:37

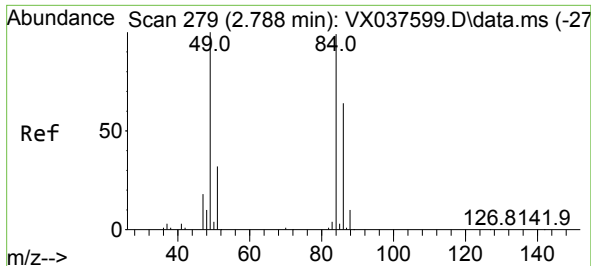
Tgt Ion: 43 Resp: 14288

Ion Ratio Lower Upper

43 100

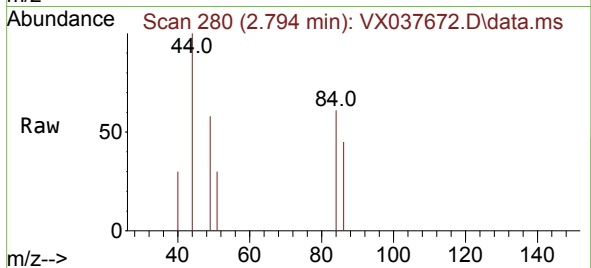
58 31.3 21.9 32.9



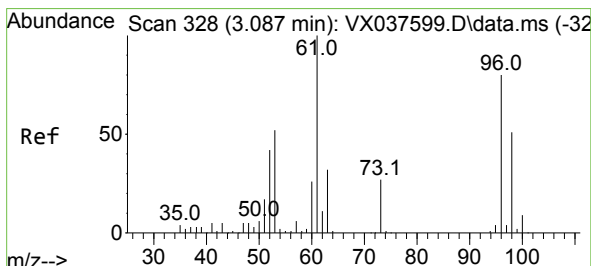
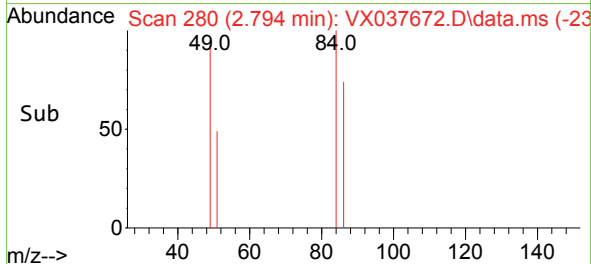
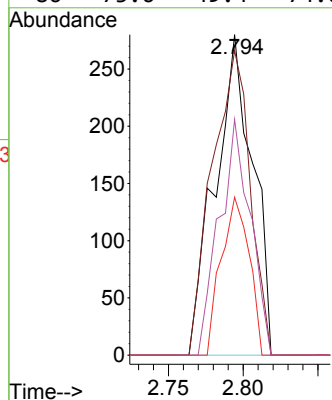


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Instrument :
MSVOA_X
ClientSampleId :

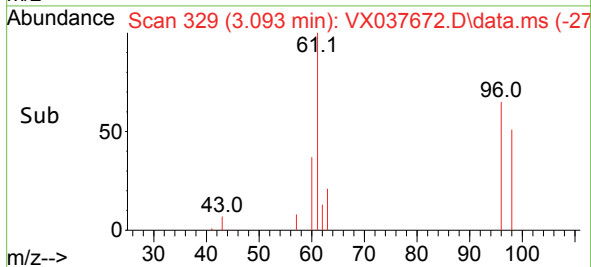
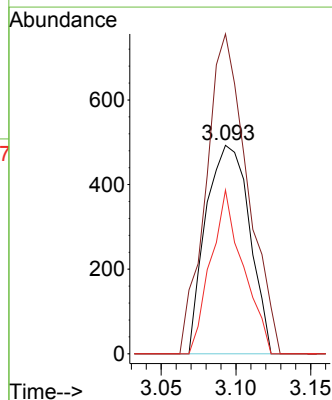
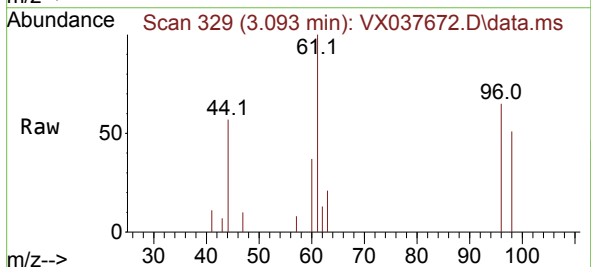


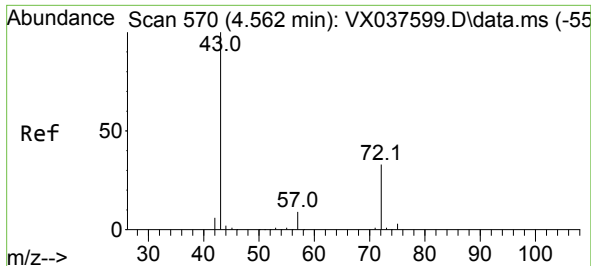
Tgt Ion: 84 Resp: 488
Ion Ratio Lower Upper
84 100
49 95.0 103.6 155.4#
51 49.3 33.8 50.6
86 73.6 49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.417 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion: 96 Resp: 999
Ion Ratio Lower Upper
96 100
61 153.3 119.2 178.8
98 78.5 48.7 73.1#

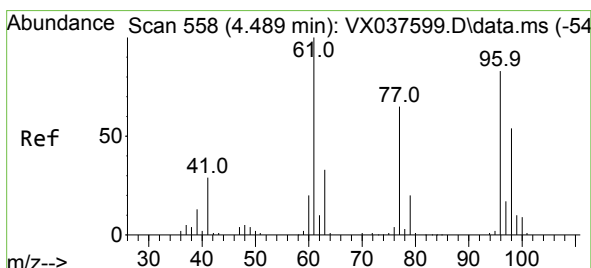
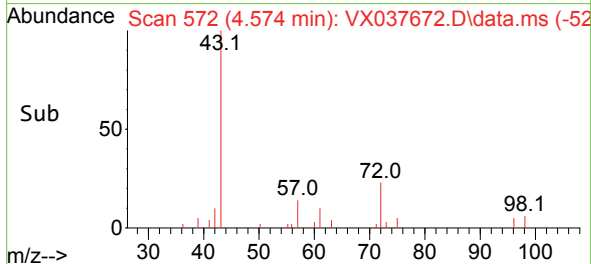
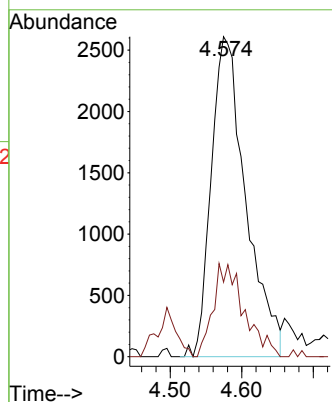
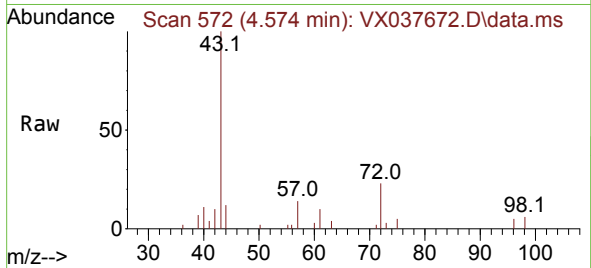




#25
2-Butanone
Concen: 4.057 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

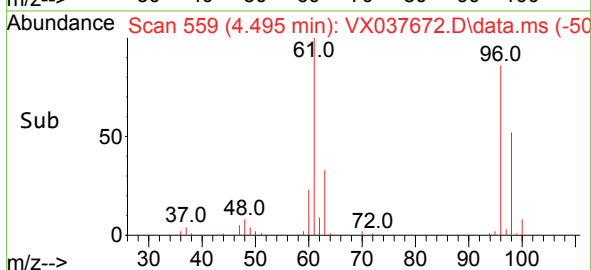
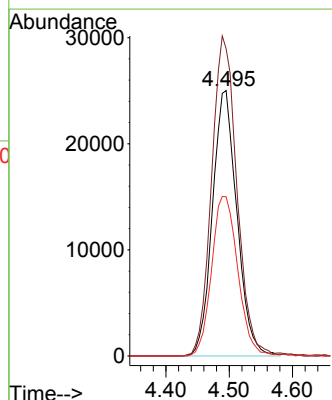
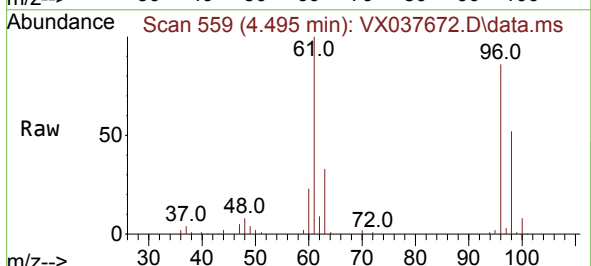
Instrument :
MSVOA_X
ClientSampleId :

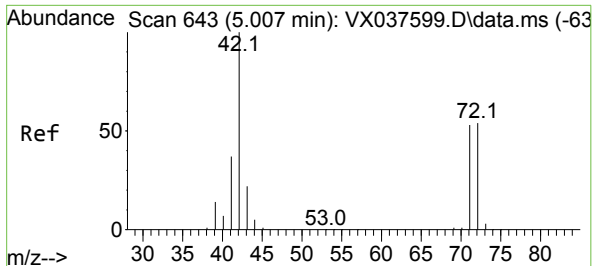
Tgt Ion: 43 Resp: 8755
Ion Ratio Lower Upper
43 100
72 23.3 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 23.036 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion: 96 Resp: 67272
Ion Ratio Lower Upper
96 100
61 124.6 0.0 312.2
98 64.4 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.292 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.037 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

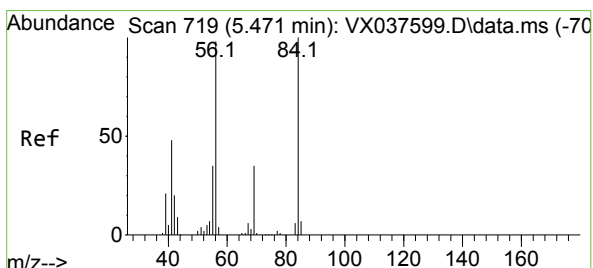
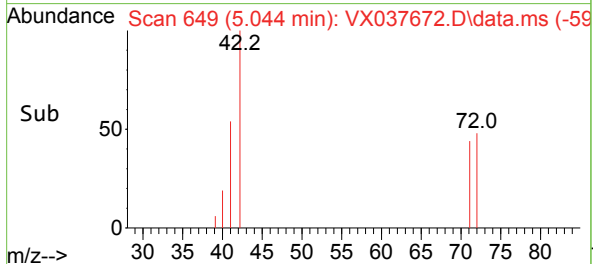
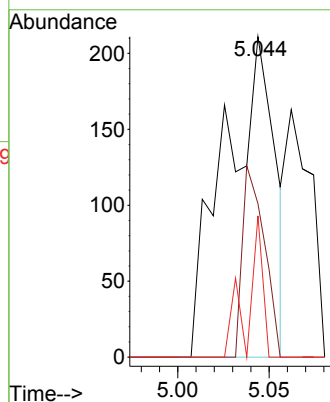
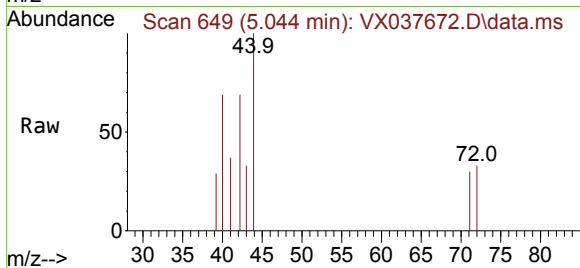
Tgt Ion: 42 Resp: 401

Ion Ratio Lower Upper

42 100

72 25.9 34.2 51.4#

71 13.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.283 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

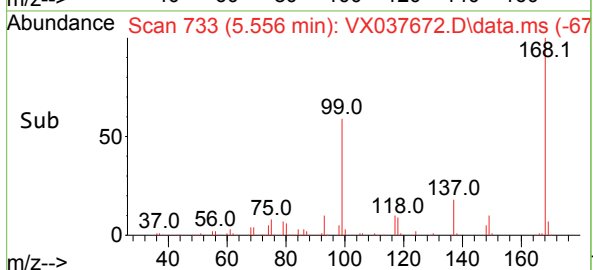
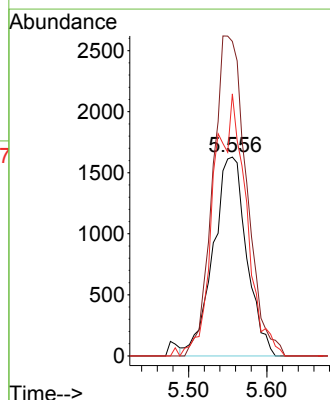
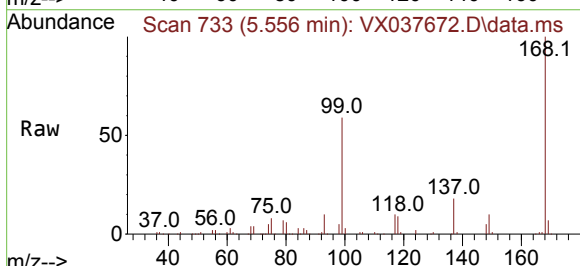
Tgt Ion: 56 Resp: 4835

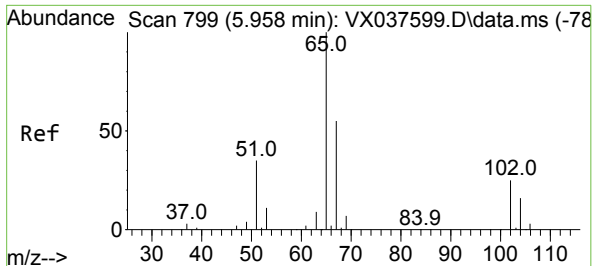
Ion Ratio Lower Upper

56 100

69 158.2 23.4 35.2#

84 131.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.975 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

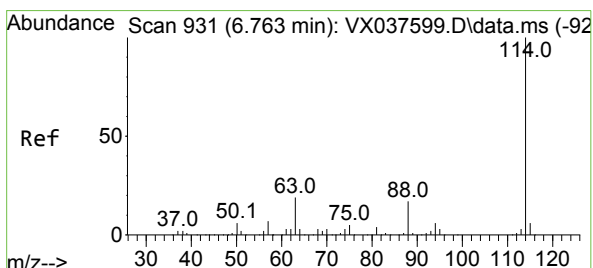
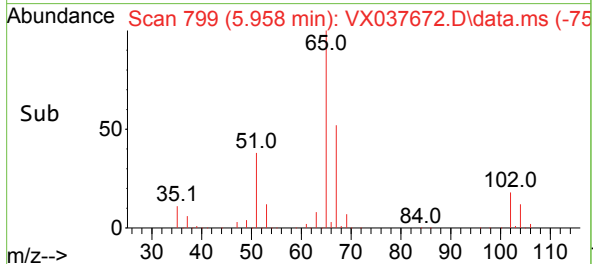
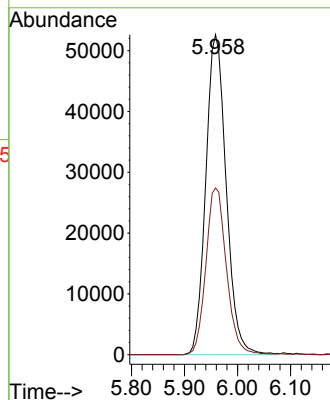
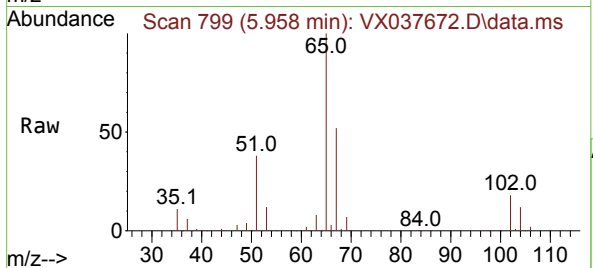
ClientSampleId :

Tgt Ion: 65 Resp: 140671

Ion Ratio Lower Upper

65 100

67 52.4 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: VX037672.D

Acq: 12 Sep 2023 16:37

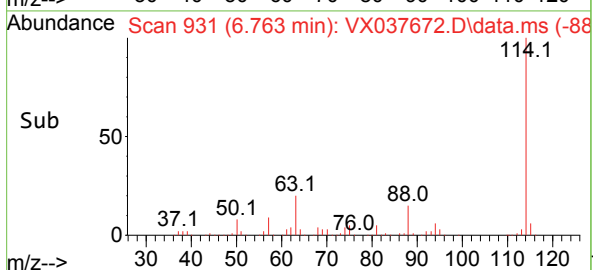
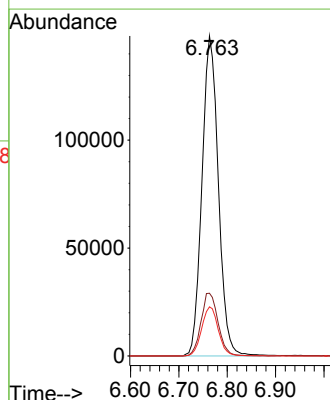
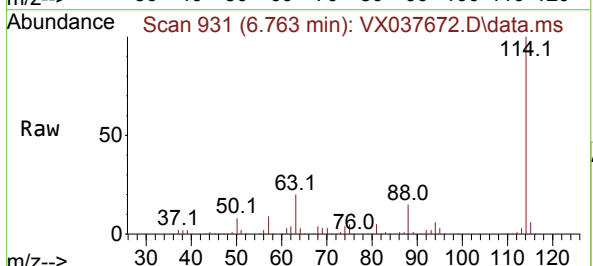
Tgt Ion: 114 Resp: 349546

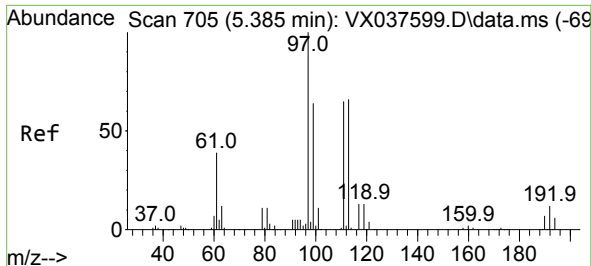
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

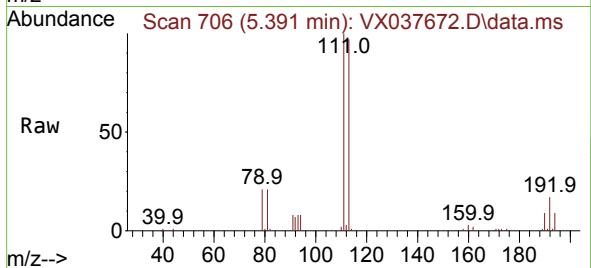
88 15.4 0.0 36.6



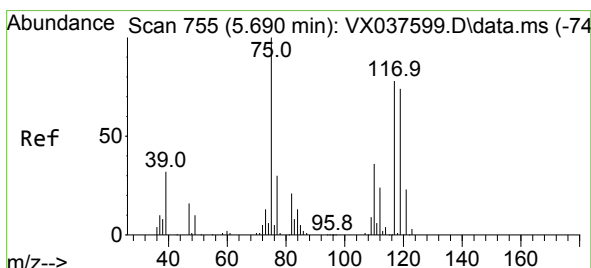
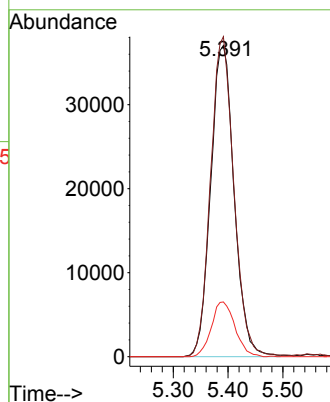
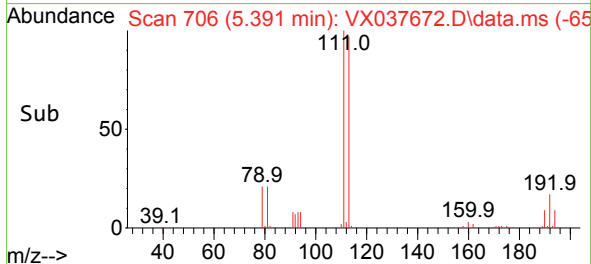


#35
Dibromofluoromethane
Concen: 44.399 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Instrument :
MSVOA_X
ClientSampleId :

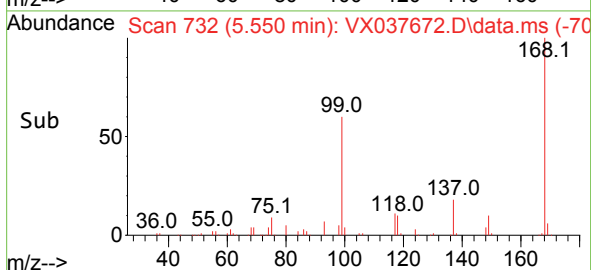
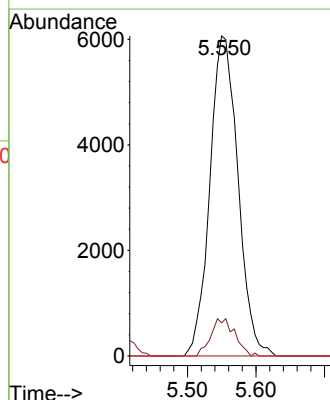
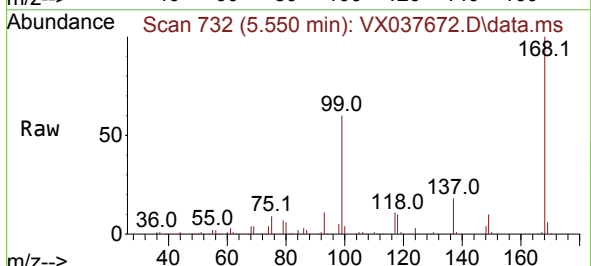


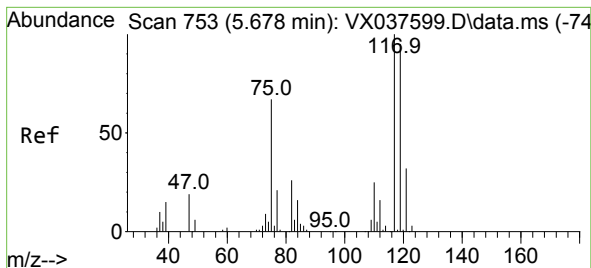
Tgt Ion:113 Resp: 110005
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 17.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion: 75 Resp: 17251
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.195 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

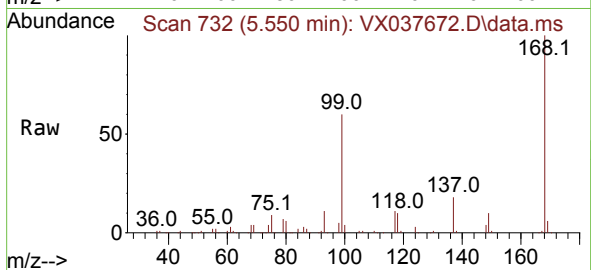
Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :



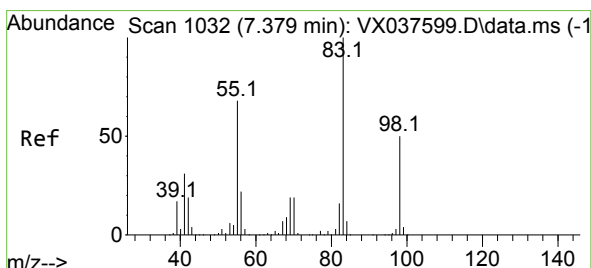
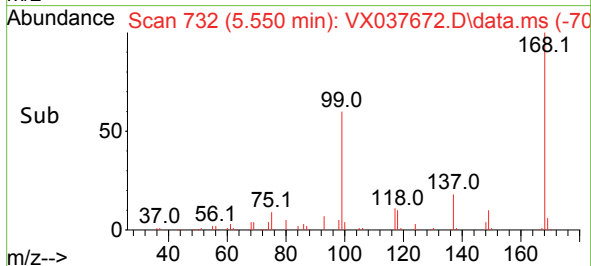
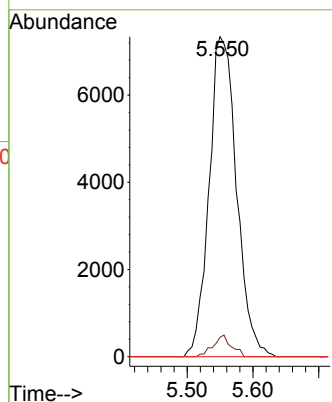
Tgt Ion:117 Resp: 21331

Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.2#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 0.295 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

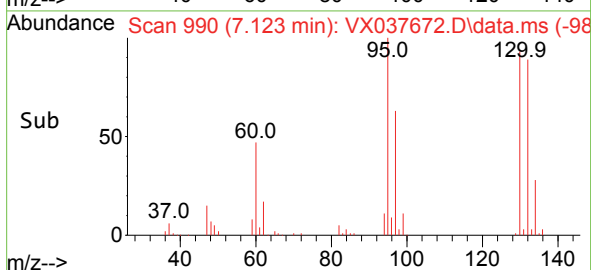
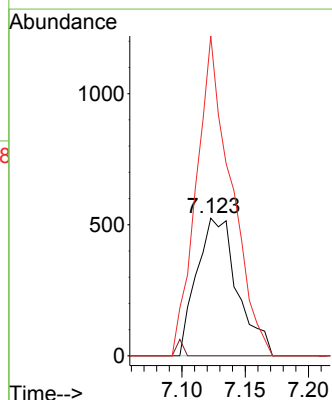
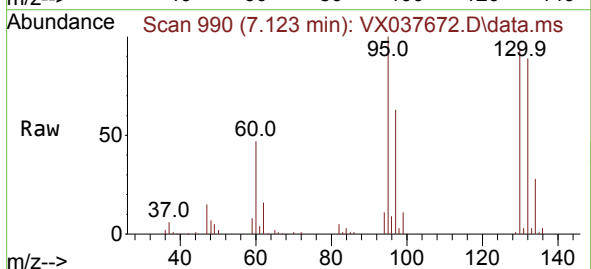
Tgt Ion: 83 Resp: 1175

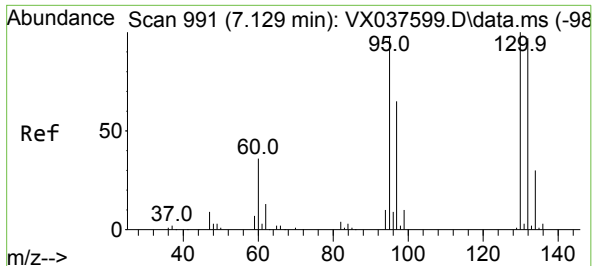
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 232.4 36.7 55.1#

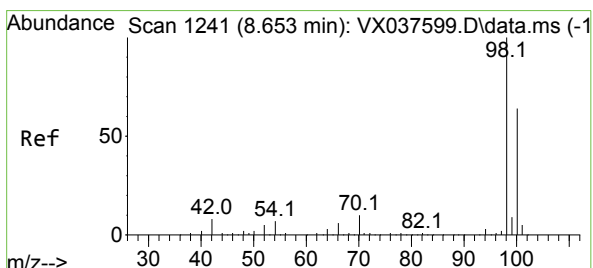
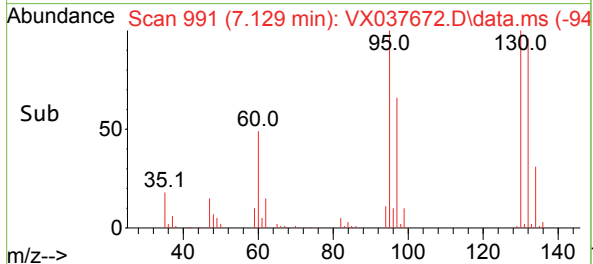
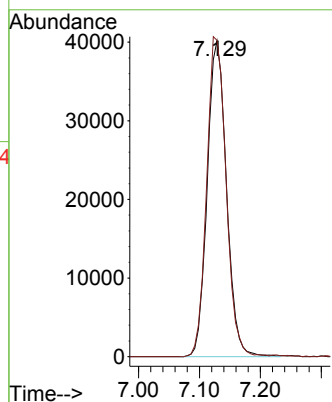
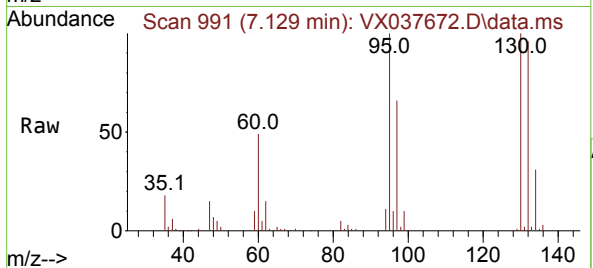




#44
Trichloroethene
Concen: 34.578 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

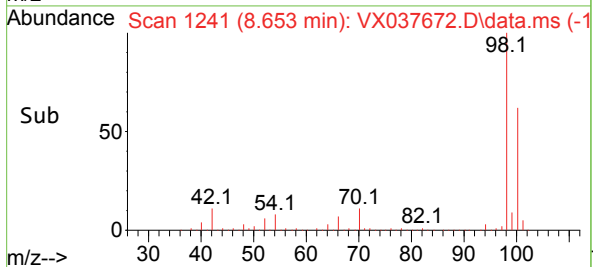
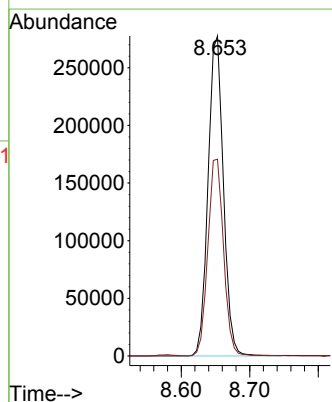
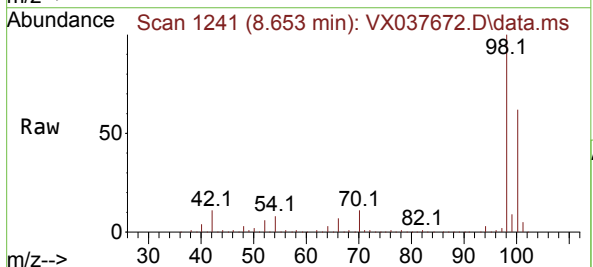
Instrument :
MSVOA_X
ClientSampleId :

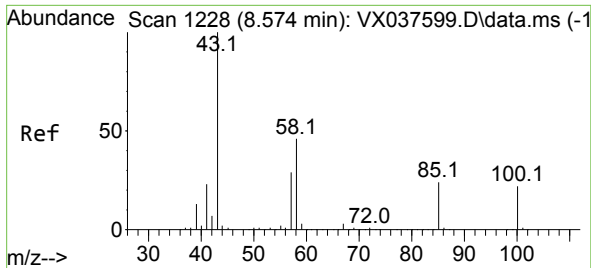
Tgt Ion:130 Resp: 88273
Ion Ratio Lower Upper
130 100
95 100.2 0.0 204.4



#50
Toluene-d8
Concen: 46.223 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion: 98 Resp: 431912
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7

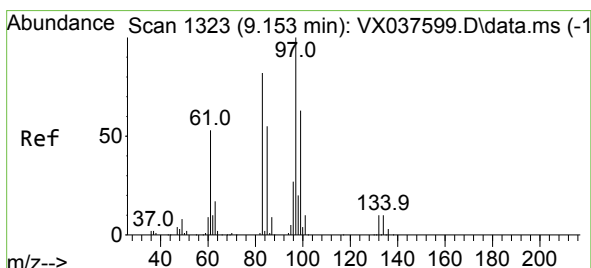
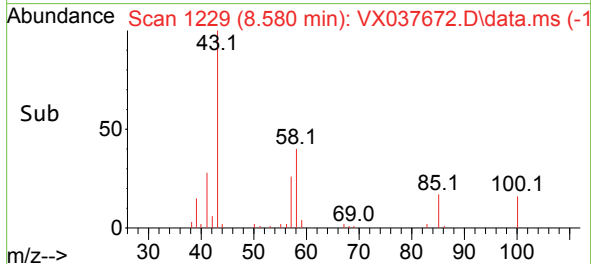
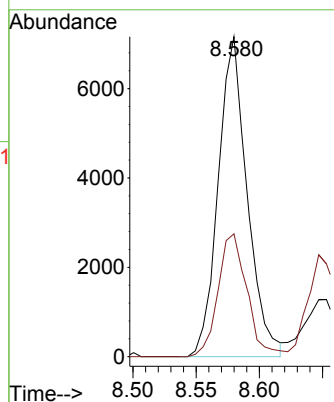
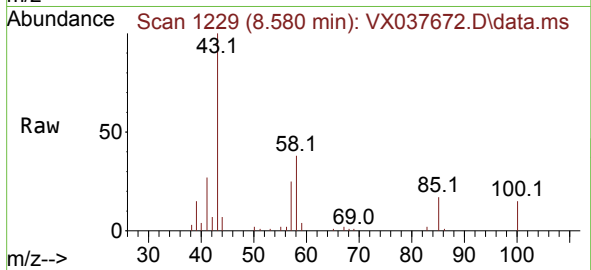




#51
4-Methyl-2-Pentanone
Concen: 2.822 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

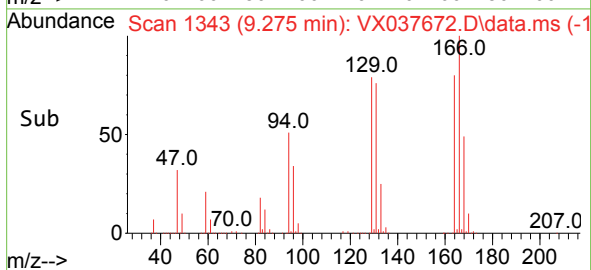
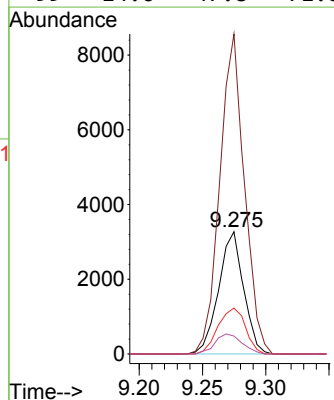
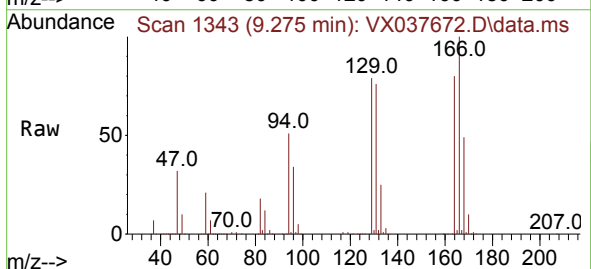
Instrument :
MSVOA_X
ClientSampleId :

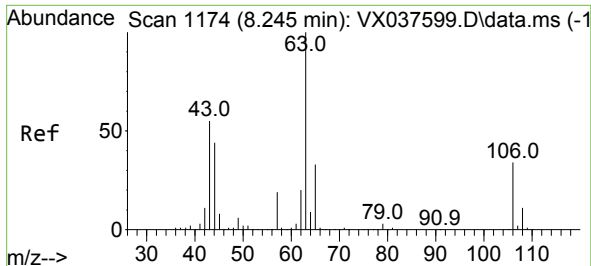
Tgt Ion: 43 Resp: 11399
Ion Ratio Lower Upper
43 100
58 38.5 30.4 45.6



#55
1,1,2-Trichloroethane
Concen: 1.621 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion: 97 Resp: 4485
Ion Ratio Lower Upper
97 100
83 261.9 65.8 98.8#
85 37.6 41.6 62.4#
99 14.6 47.8 71.8#

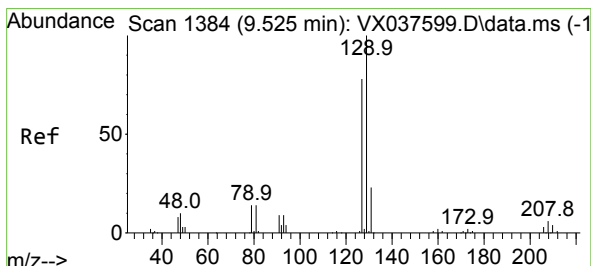
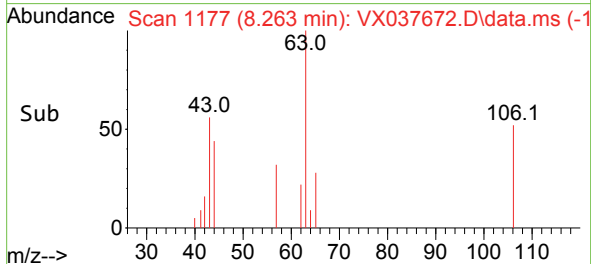
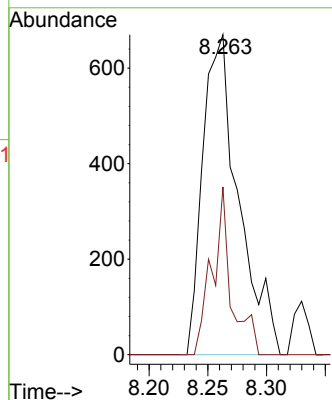
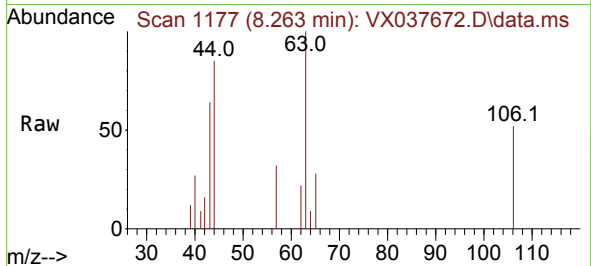




#58
2-Chloroethyl Vinyl ether
Concen: 0.692 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.018 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

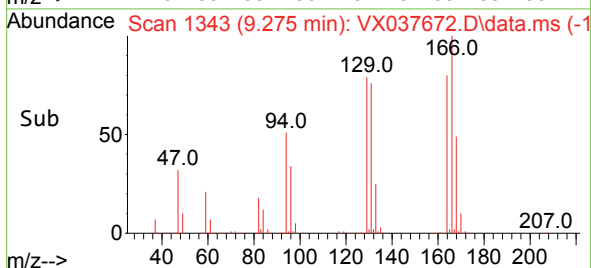
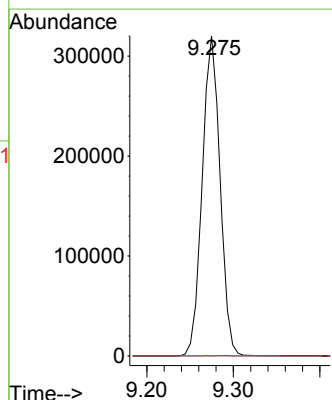
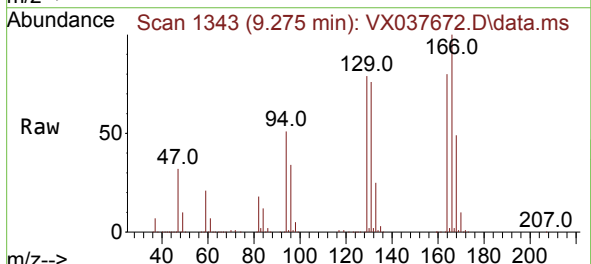
Instrument :
MSVOA_X
ClientSampleId :

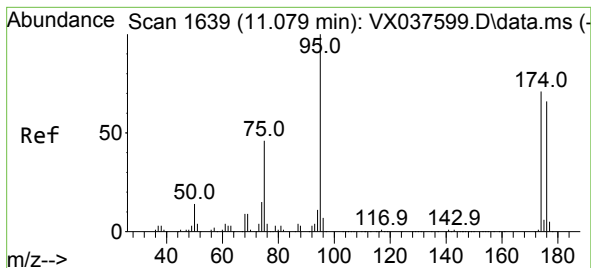
Tgt Ion: 63 Resp: 1421
Ion Ratio Lower Upper
63 100
106 28.1 22.5 33.7



#60
Dibromochloromethane
Concen: 168.201 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion: 129 Resp: 457052
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

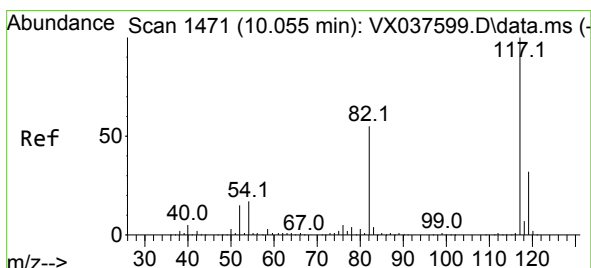
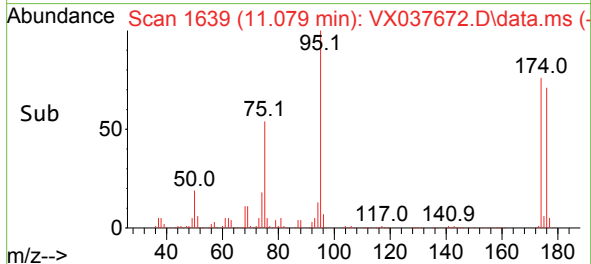
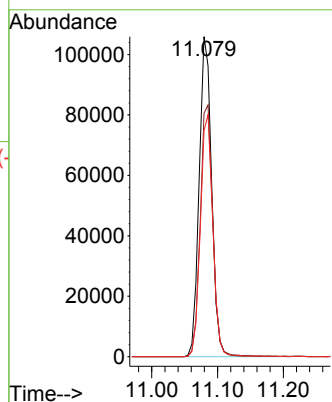
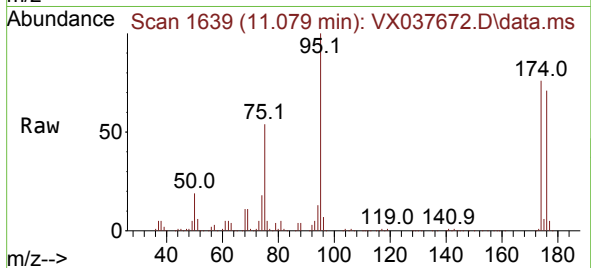




#62
4-Bromofluorobenzene
Concen: 41.394 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

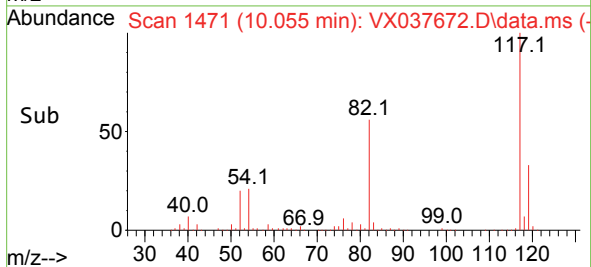
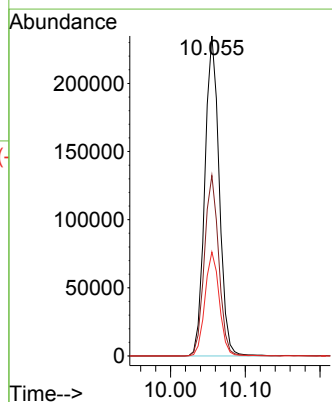
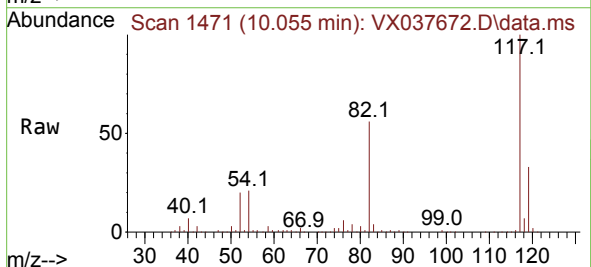
Instrument :
MSVOA_X
ClientSampleId :

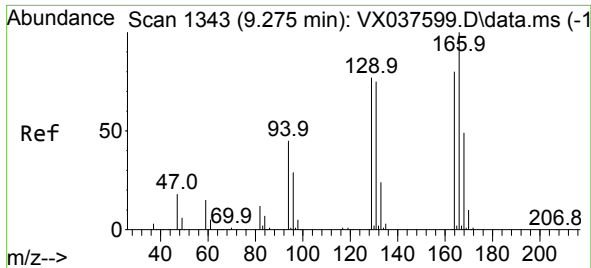
Tgt Ion: 95 Resp: 139545
Ion Ratio Lower Upper
95 100
174 78.6 0.0 135.6
176 75.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

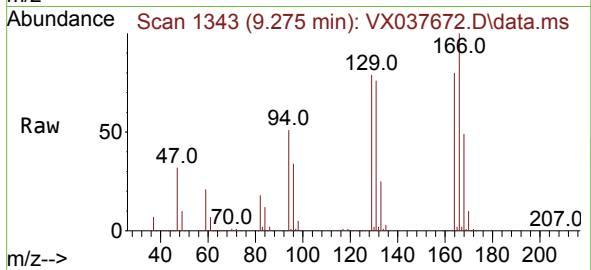
Tgt Ion: 117 Resp: 313499
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 32.5 25.5 38.3



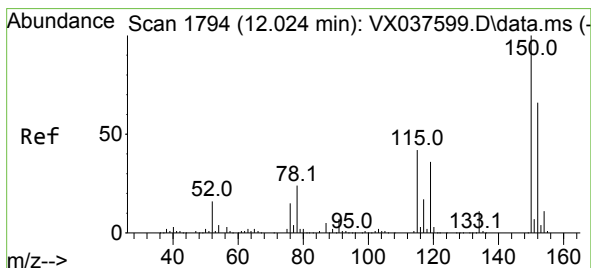
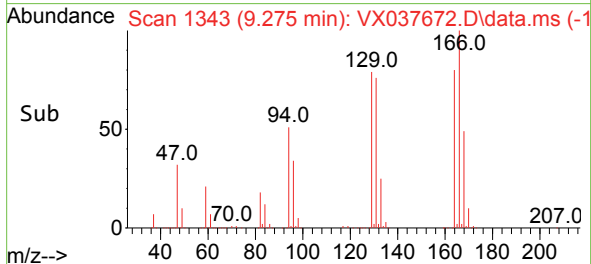
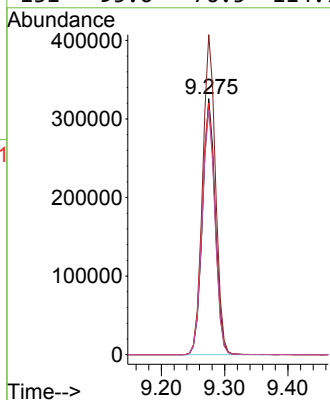


#64
 Tetrachloroethene
 Concen: 226.413 ug/l
 RT: 9.275 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037672.D
 Acq: 12 Sep 2023 16:37

Instrument :
 MSVOA_X
 ClientSampleId :

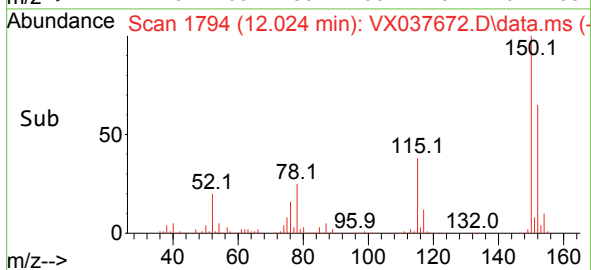
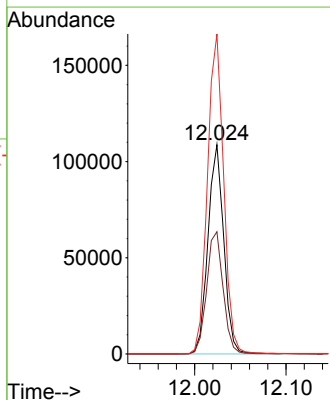
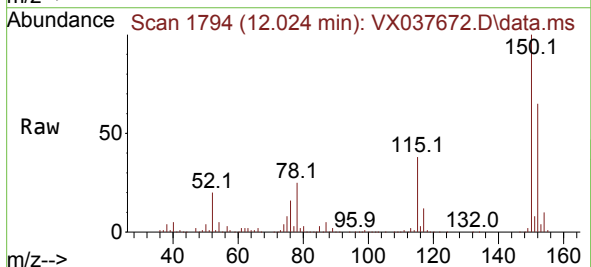


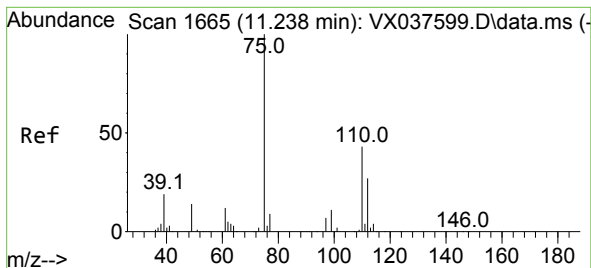
Tgt Ion:	164	Resp:	459885
Ion Ratio	Lower	Upper	
164	100		
166	125.0	102.7	154.1
129	98.3	80.4	120.6
131	95.6	76.5	114.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX037672.D
 Acq: 12 Sep 2023 16:37

Tgt Ion:	152	Resp:	130163
Ion Ratio	Lower	Upper	
152	100		
115	61.0	43.3	129.9
150	157.1	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 26.130 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

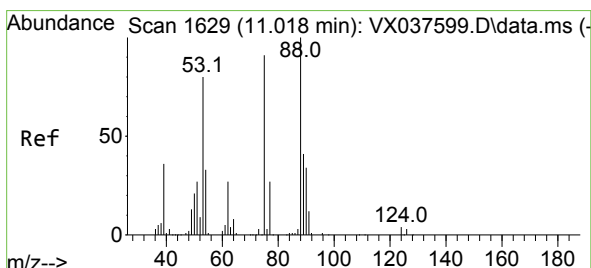
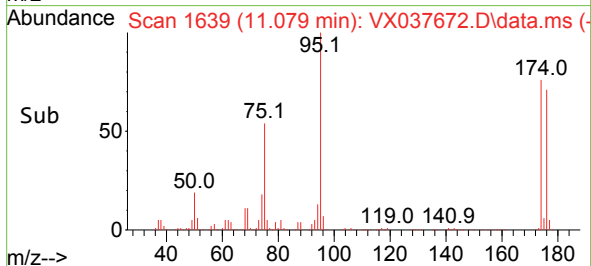
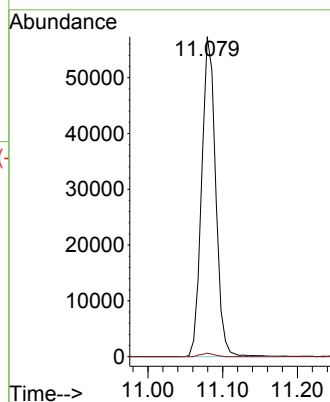
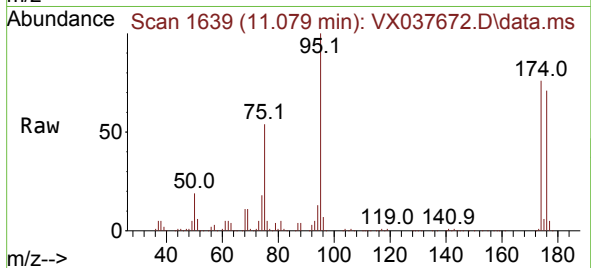
ClientSampleId :

Tgt Ion: 75 Resp: 74774

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.429 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

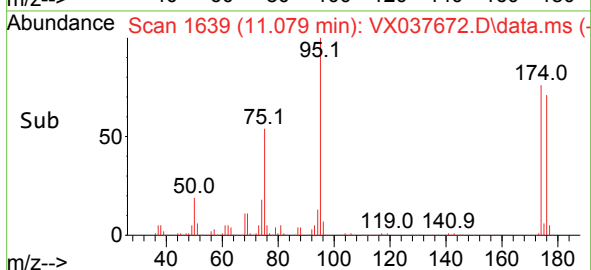
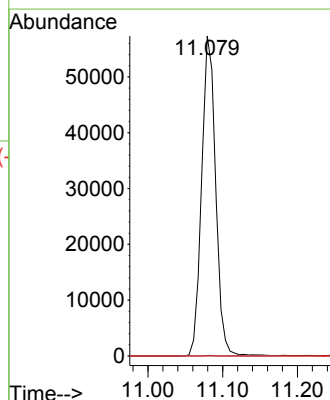
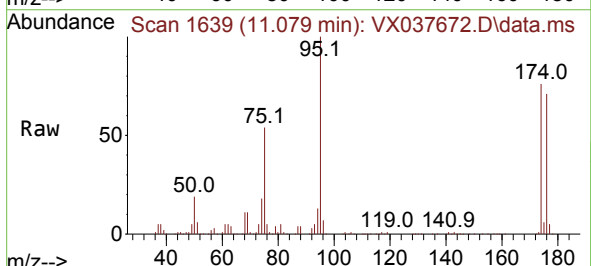
Tgt Ion: 75 Resp: 74774

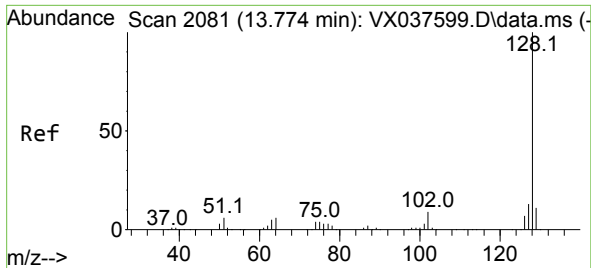
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.253 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

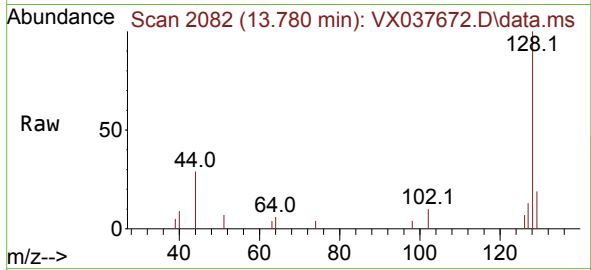
Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2424

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 12.8 8.8 13.2

