

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042924\
 Data File : VX041283.D
 Acq On : 29 Apr 2024 18:14
 Operator : JC/MD
 Sample : P2183-04 20X
 Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 30 02:15:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

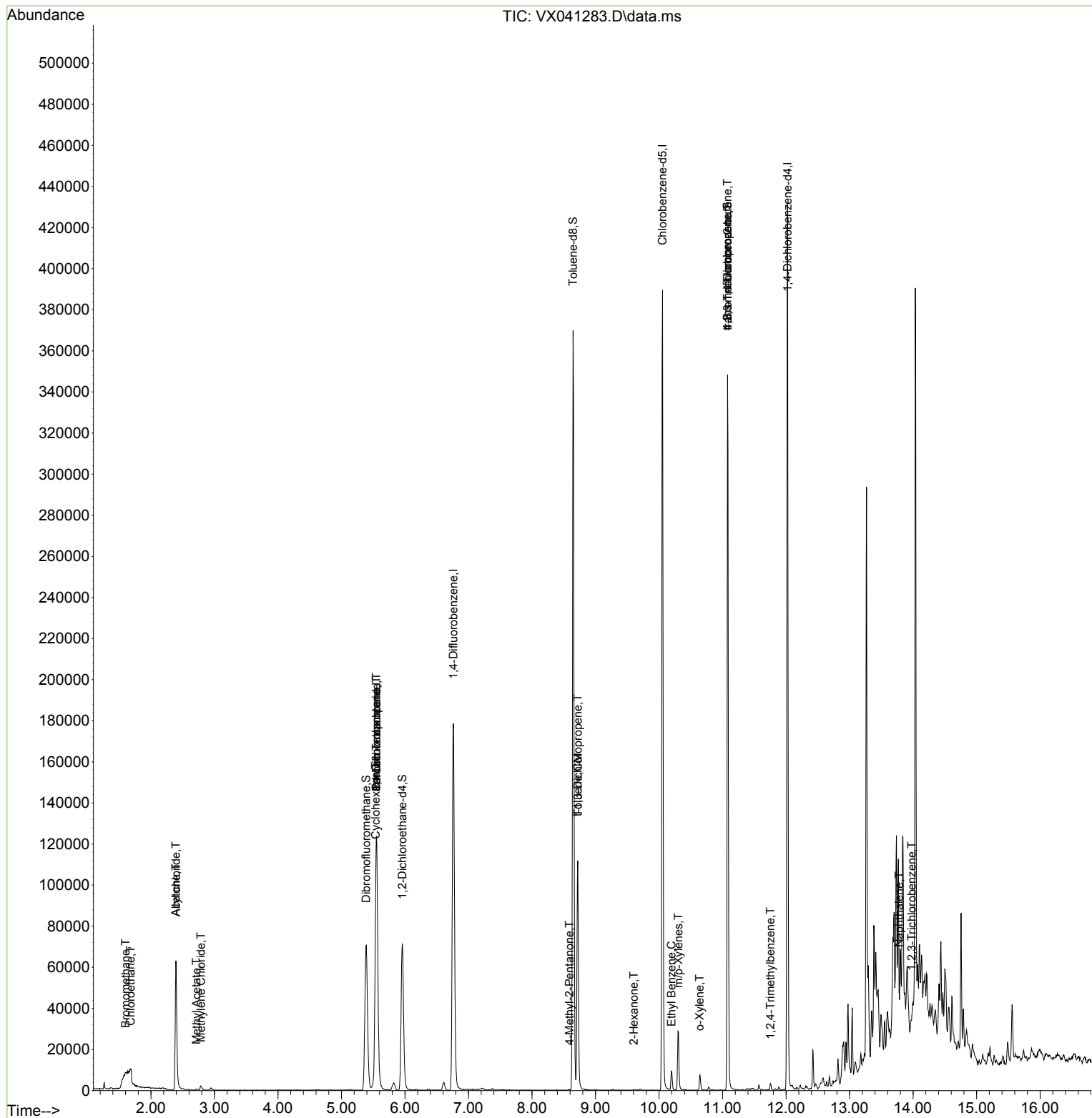
Internal Standards						
1) Pentafluorobenzene	5.550	168	133563	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	192324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72770	57.235	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.480%	
35) Dibromofluoromethane	5.385	113	60628	51.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.640%	
50) Toluene-d8	8.647	98	221256	56.056	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 112.120%#	
62) 4-Bromofluorobenzene	11.079	95	84045	57.689	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.380%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	420	0.652	ug/l	92
6) Chloroethane	1.678	64	122	0.281	ug/l	# 43
14) Allyl chloride	2.392	41	1852	1.171	ug/l	# 5
16) Acetone	2.392	43	72295	156.215	ug/l	96
18) Methyl Acetate	2.715	43	855	0.625	ug/l	92
20) Methylene Chloride	2.788	84	1143	1.011	ug/l	# 83
31) Cyclohexane	5.537	56	2979	1.741	ug/l	# 31
36) 1,1-Dichloropropene	5.550	75	8738	5.837	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	11555	6.911	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.592	43	468	0.283	ug/l	# 37
52) Toluene	8.720	92	43737	15.014	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	568	0.380	ug/l	# 1
59) 2-Hexanone	9.604	43	556	0.438	ug/l	# 26
67) Ethyl Benzene	10.195	91	6480	1.078	ug/l	96
68) m/p-Xylenes	10.305	106	7602	3.133	ug/l	97
69) o-Xylene	10.640	106	1908	0.808	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	43510	27.454	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43510	77.457	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	1725	0.341	ug/l	92
95) Naphthalene	13.780	128	1533	0.240	ug/l	# 39
96) 1,2,3-Trichlorobenzene	13.981	180	872	0.373	ug/l	# 27

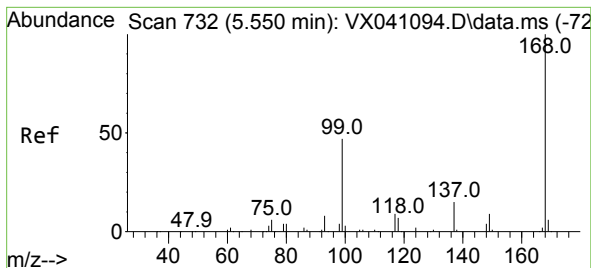
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.000 min

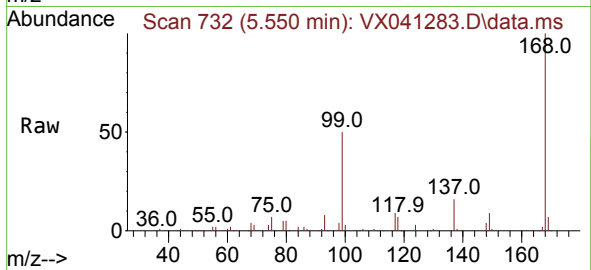
Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

Instrument :

MSVOA_X

ClientSampleId :

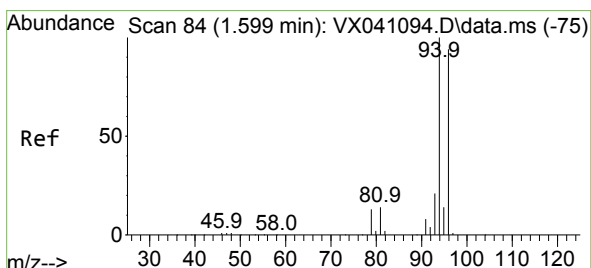
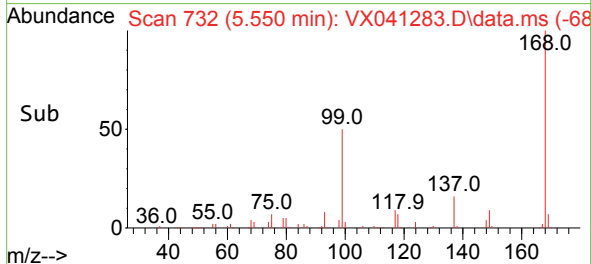
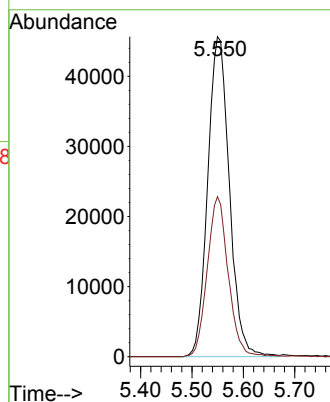


Tgt Ion:168 Resp: 133563

Ion Ratio Lower Upper

168 100

99 50.0 56.6 85.0#



#5

Bromomethane

Concen: 0.652 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX041283.D

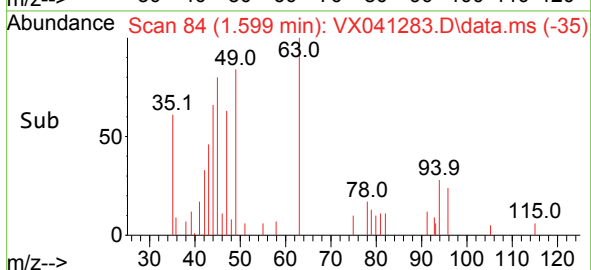
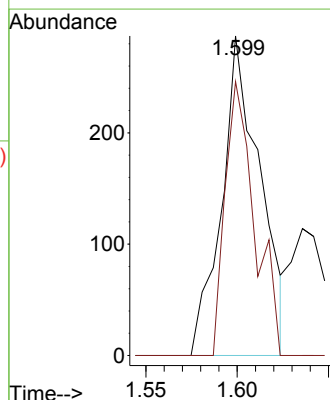
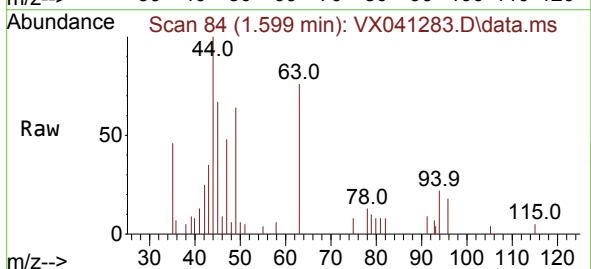
Acq: 29 Apr 2024 18:14

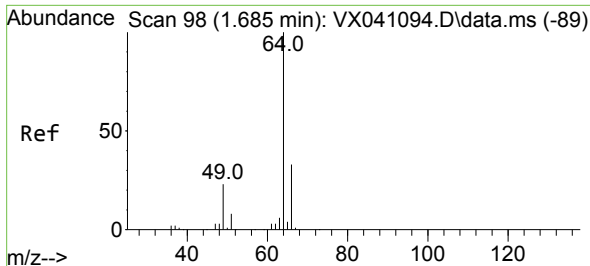
Tgt Ion: 94 Resp: 420

Ion Ratio Lower Upper

94 100

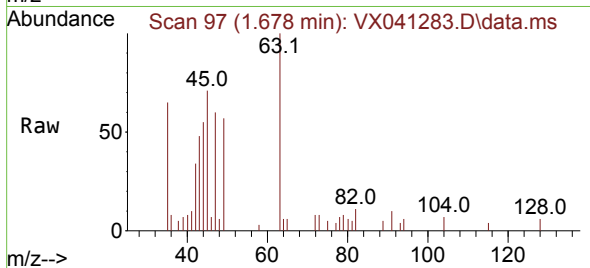
96 85.7 74.6 111.8



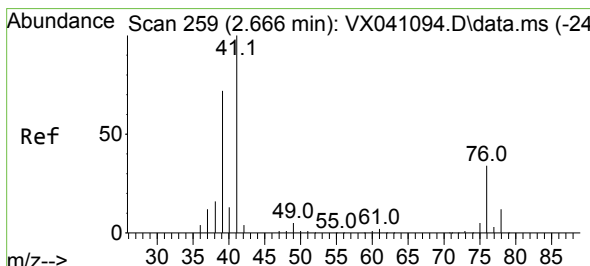
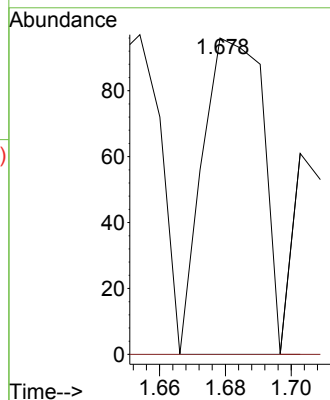
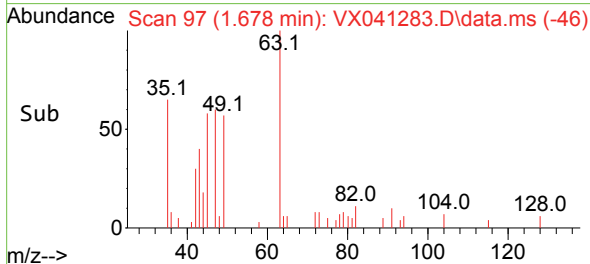


#6
Chloroethane
Concen: 0.281 ug/l
RT: 1.678 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

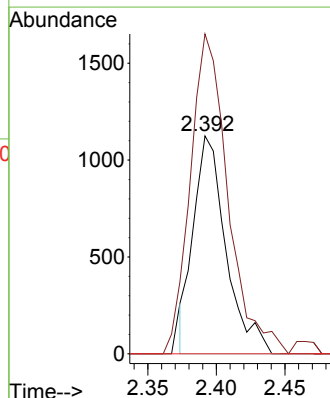
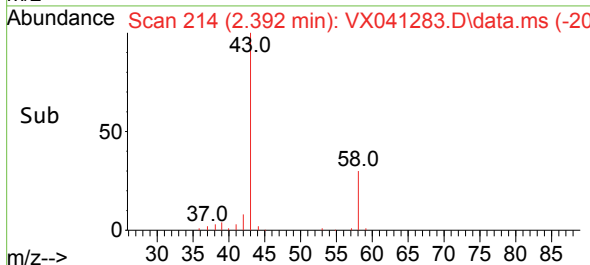
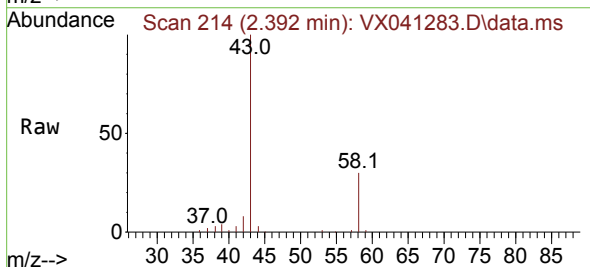


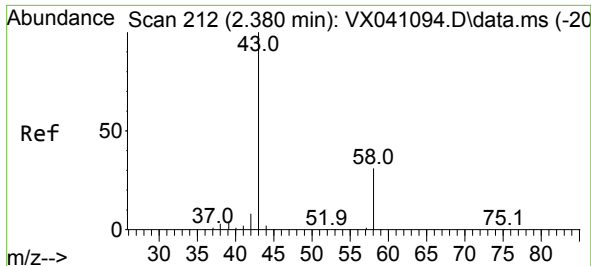
Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#14
Allyl chloride
Concen: 1.171 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.268 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

Tgt Ion: 41 Resp: 1852
Ion Ratio Lower Upper
41 100
39 161.5 55.8 83.6#
76 0.0 24.3 36.5#

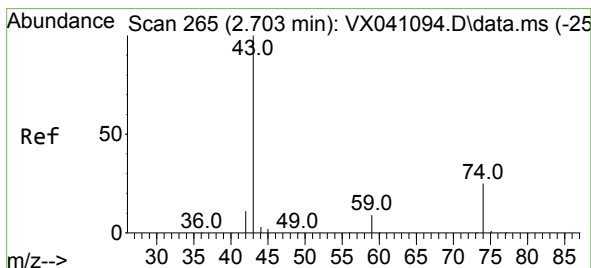
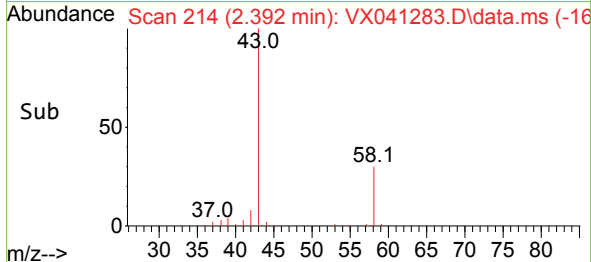
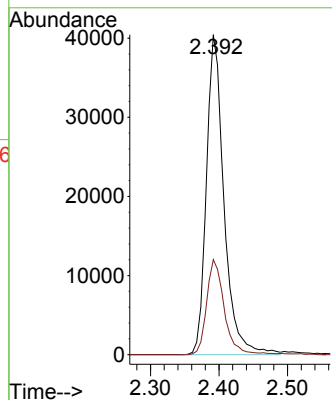
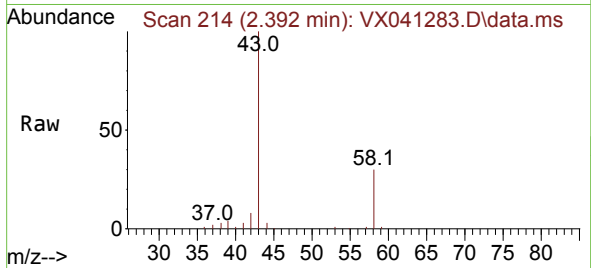




#16
Acetone
Concen: 156.215 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

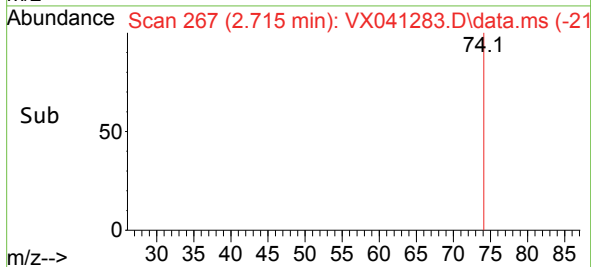
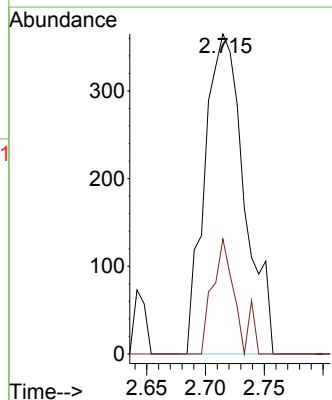
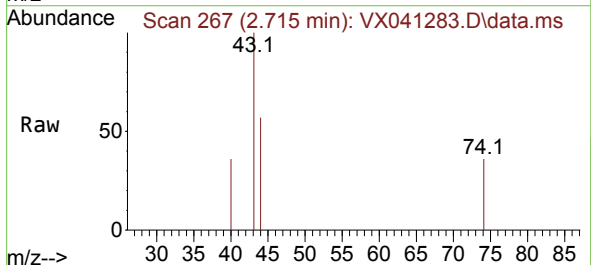
Instrument :
MSVOA_X
ClientSampleId :

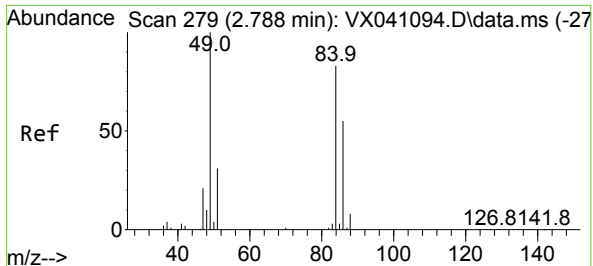
Tgt Ion: 43 Resp: 72295
Ion Ratio Lower Upper
43 100
58 29.7 21.9 32.9



#18
Methyl Acetate
Concen: 0.625 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

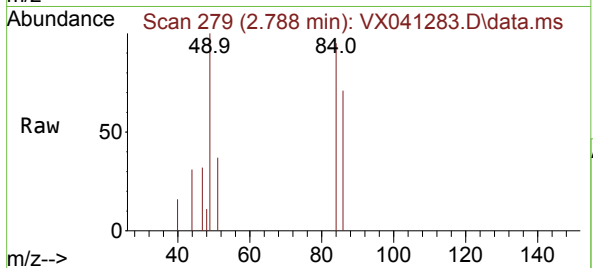
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
74 18.2 17.8 26.8





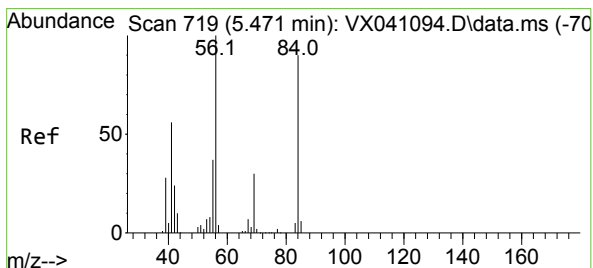
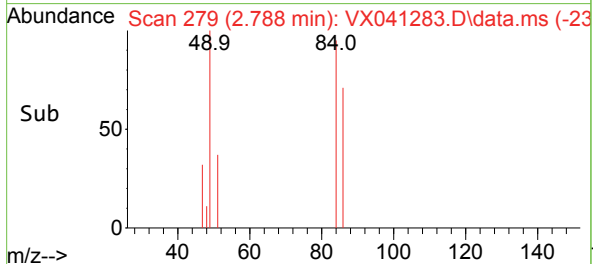
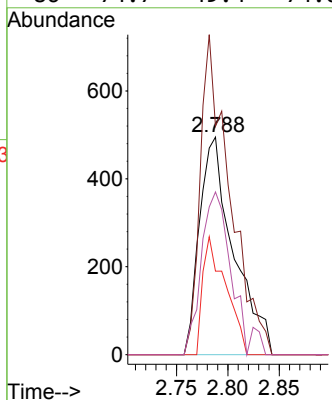
#20
Methylene Chloride
Concen: 1.011 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1143

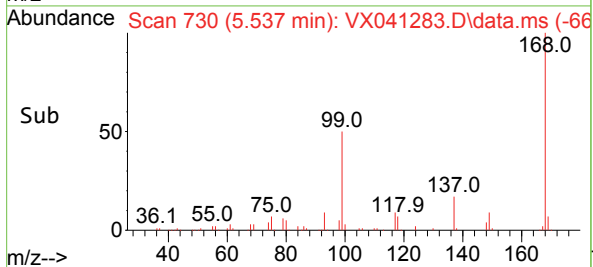
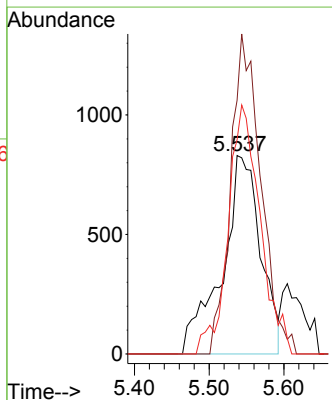
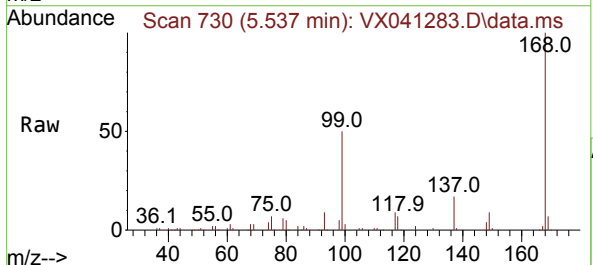
Ion	Ratio	Lower	Upper
84	100		
49	105.1	103.6	155.4
51	38.4	33.8	50.6
86	74.7	49.4	74.0

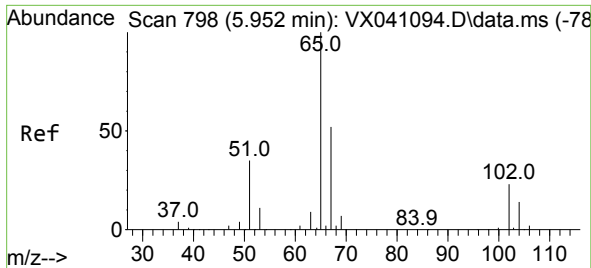


#31
Cyclohexane
Concen: 1.741 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

Tgt Ion: 56 Resp: 2979

Ion	Ratio	Lower	Upper
56	100		
69	127.8	23.4	35.2
84	108.0	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 57.235 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

Instrument :

MSVOA_X

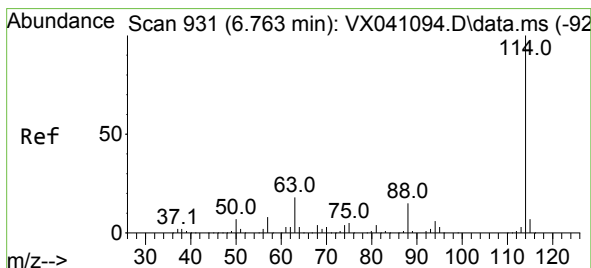
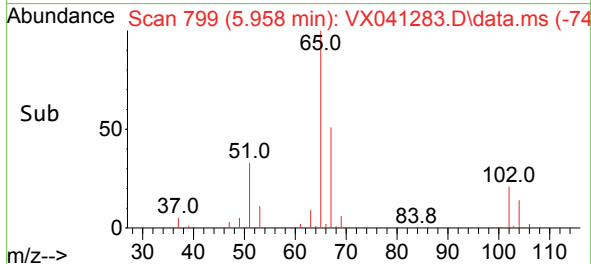
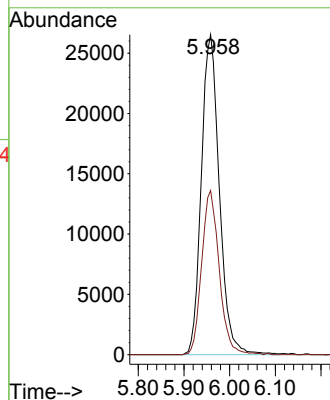
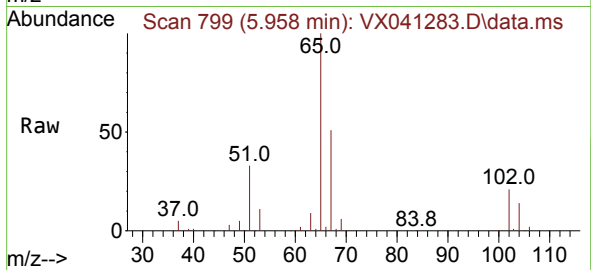
ClientSampleId :

Tgt Ion: 65 Resp: 72770

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

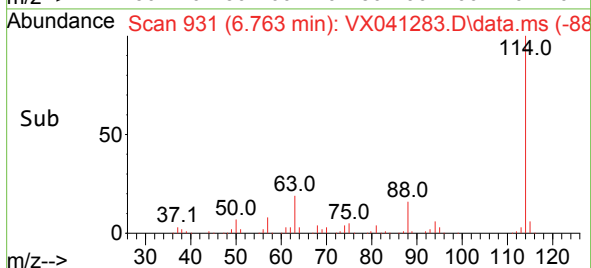
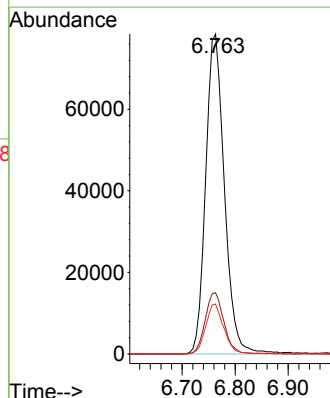
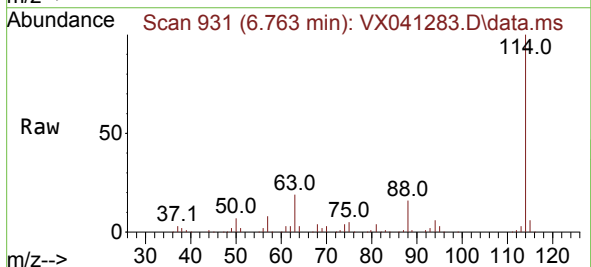
Tgt Ion: 114 Resp: 192324

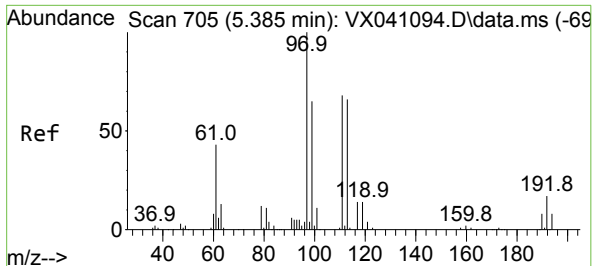
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

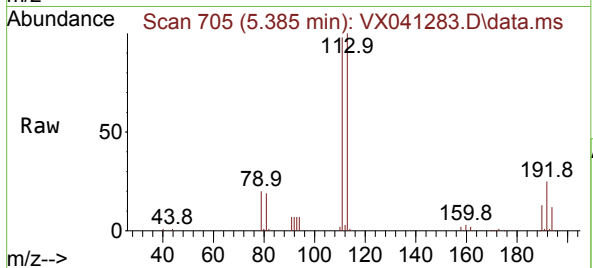
88 15.6 0.0 36.6



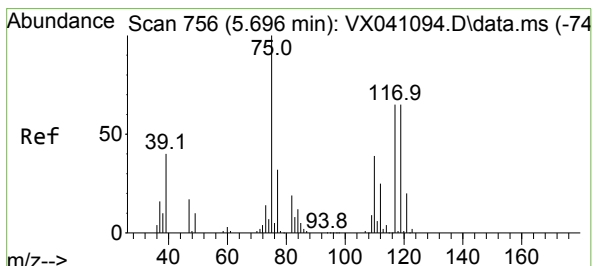
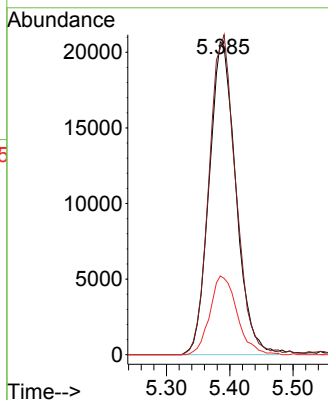
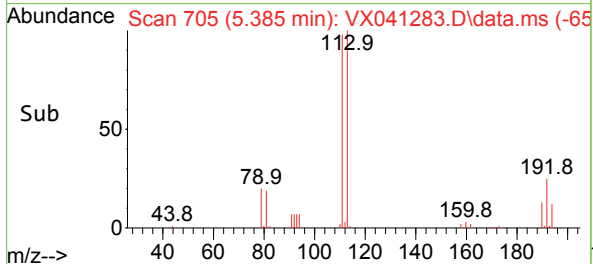


#35
Dibromofluoromethane
Concen: 51.824 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

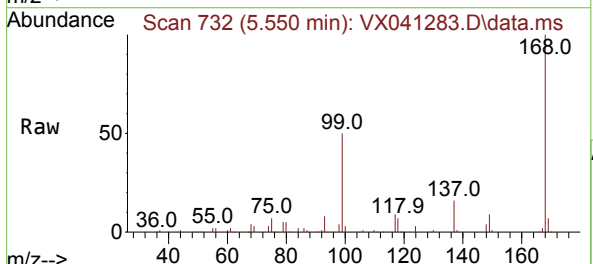
Instrument :
MSVOA_X
ClientSampleId :



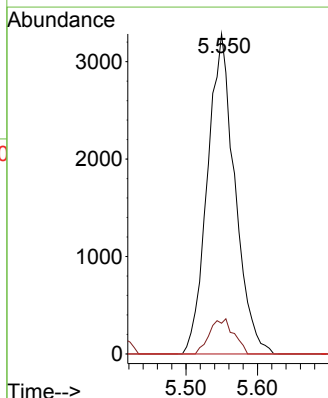
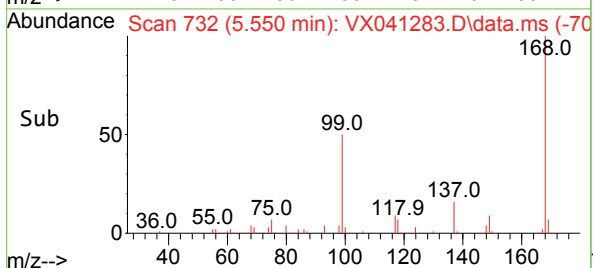
Tgt Ion:113 Resp: 60628
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 25.7 13.3 19.9#

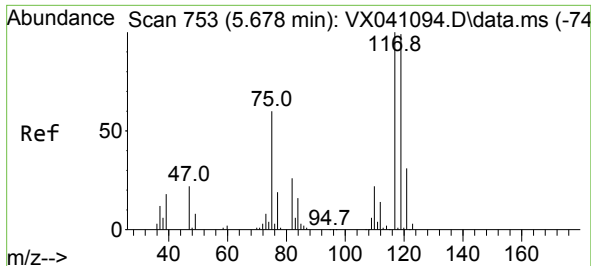


#36
1,1-Dichloropropene
Concen: 5.837 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14



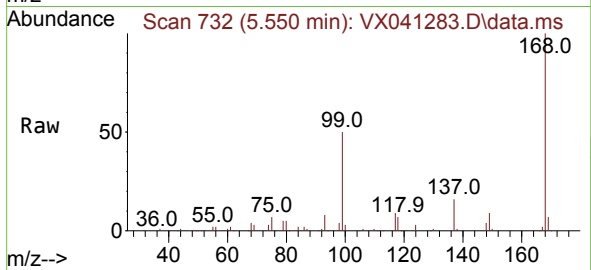
Tgt Ion: 75 Resp: 8738
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



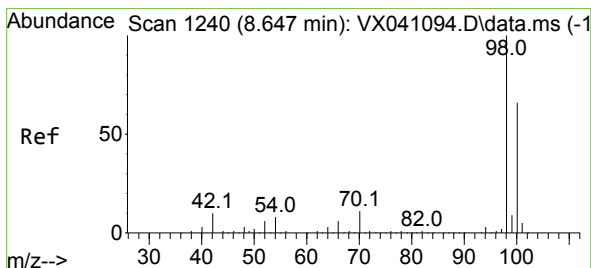
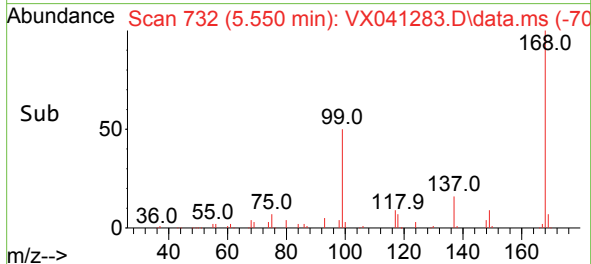
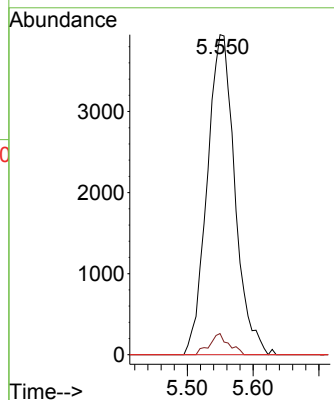


#38
Carbon Tetrachloride
Concen: 6.911 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

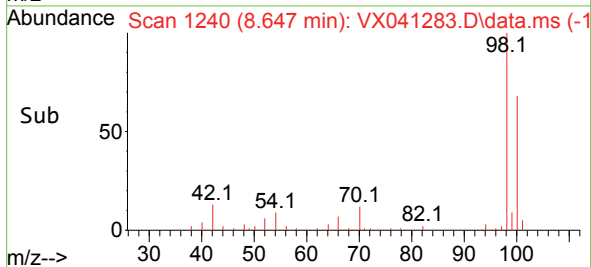
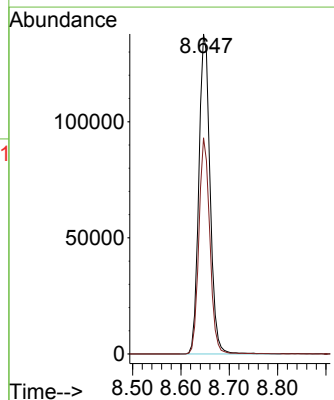
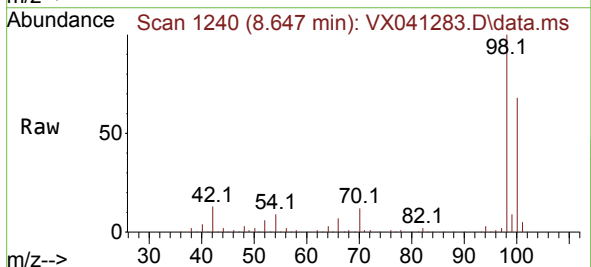


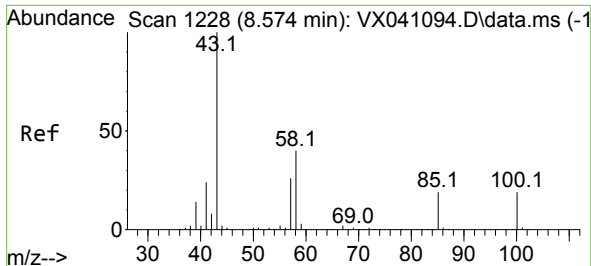
Tgt Ion:117 Resp: 11555
Ion Ratio Lower Upper
117 100
119 6.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 56.056 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

Tgt Ion: 98 Resp: 221256
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.283 ug/l

RT: 8.592 min Scan# 1231

Delta R.T. 0.012 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

Instrument :

MSVOA_X

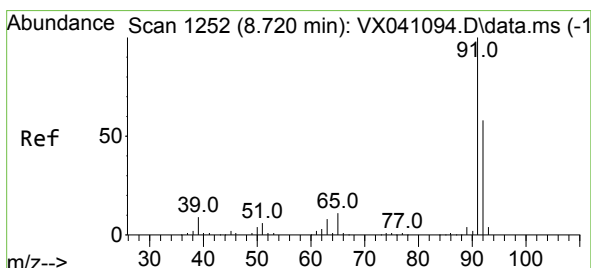
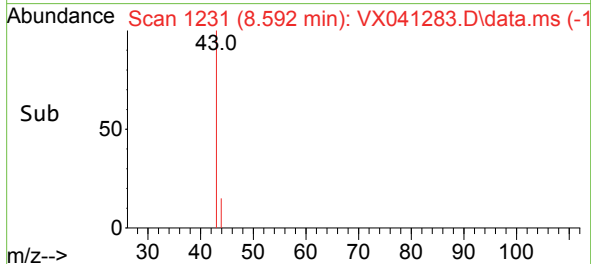
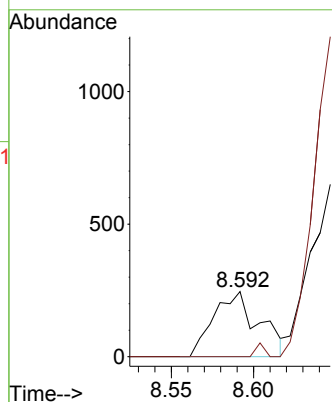
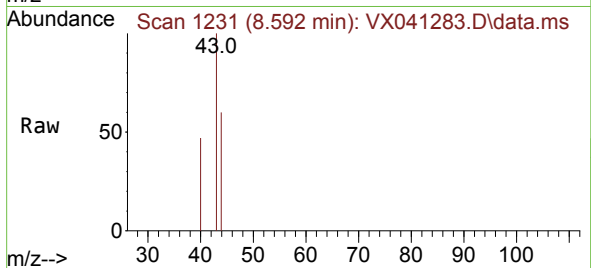
ClientSampleId :

Tgt Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#52

Toluene

Concen: 15.014 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX041283.D

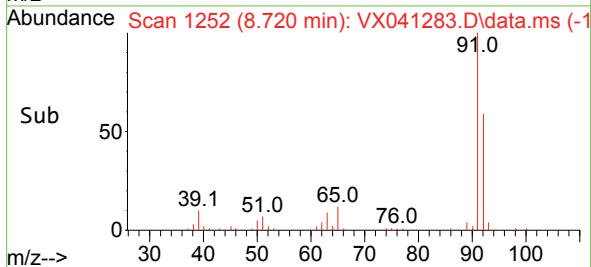
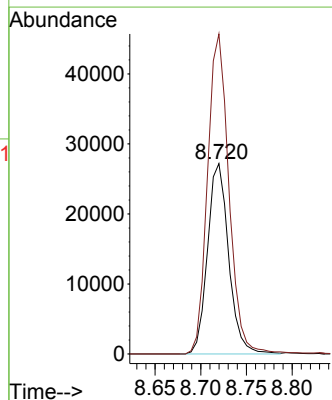
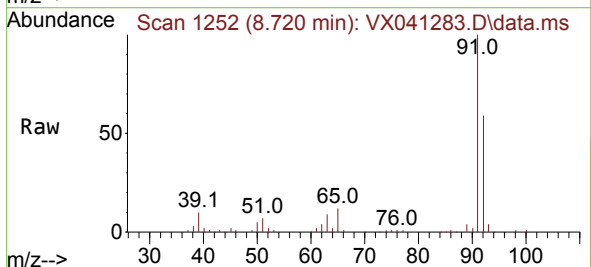
Acq: 29 Apr 2024 18:14

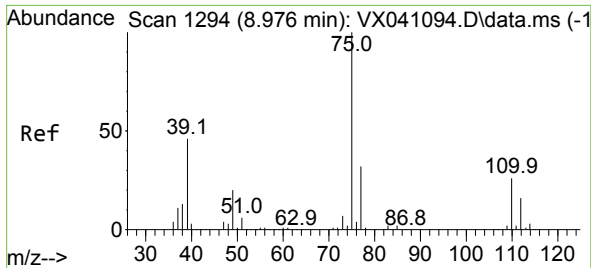
Tgt Ion: 92 Resp: 43737

Ion Ratio Lower Upper

92 100

91 170.1 134.2 201.2

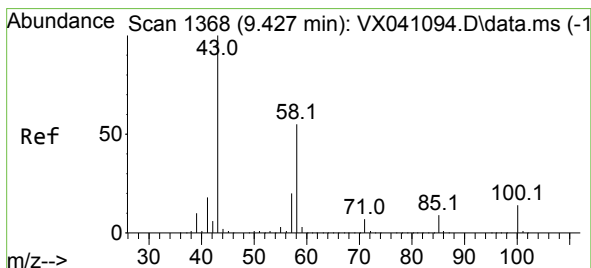
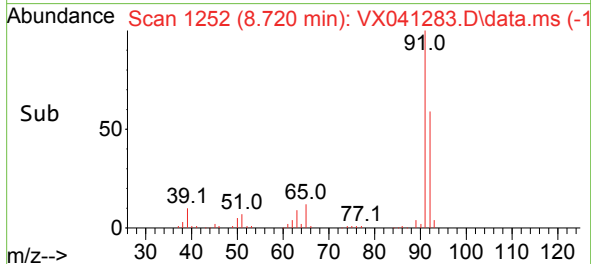
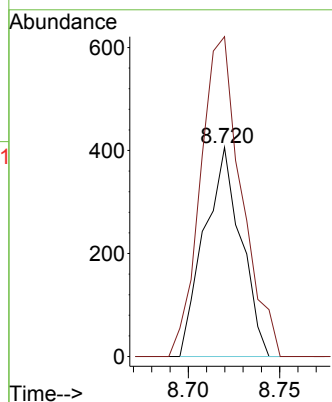
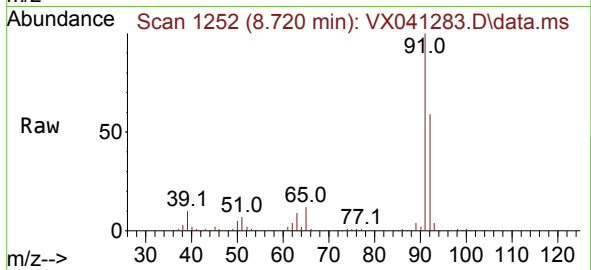




#53
 t-1,3-Dichloropropene
 Concen: 0.380 ug/l
 RT: 8.720 min Scan# 11
 Delta R.T. -0.256 min
 Lab File: VX041283.D
 Acq: 29 Apr 2024 18:14

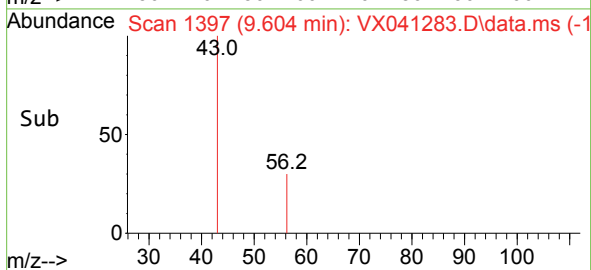
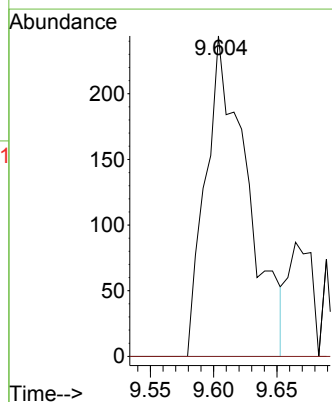
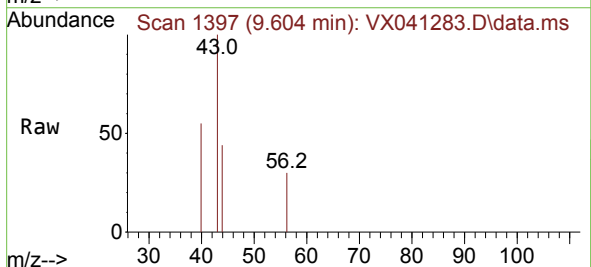
Instrument :
 MSVOA_X
 ClientSampleId :

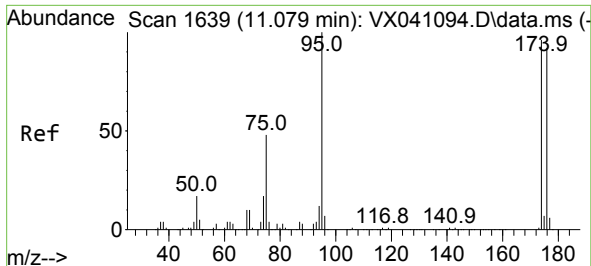
Tgt Ion: 75 Resp: 568
 Ion Ratio Lower Upper
 75 100
 77 153.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 0.438 ug/l
 RT: 9.604 min Scan# 1397
 Delta R.T. 0.170 min
 Lab File: VX041283.D
 Acq: 29 Apr 2024 18:14

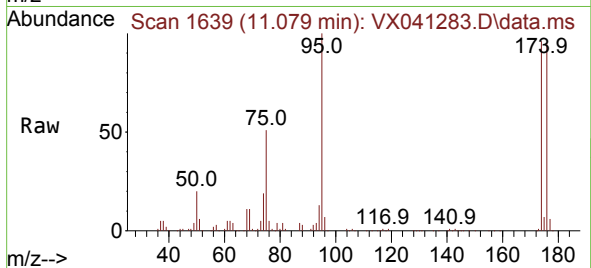
Tgt Ion: 43 Resp: 556
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 78.5#



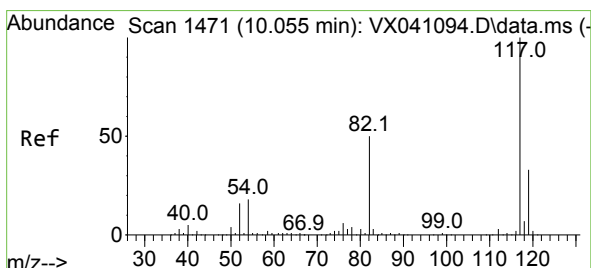
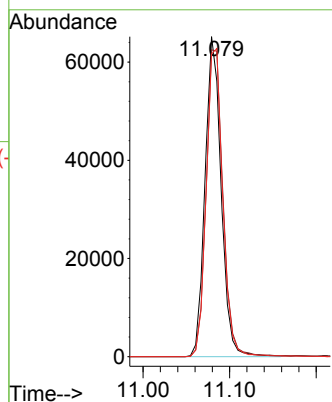
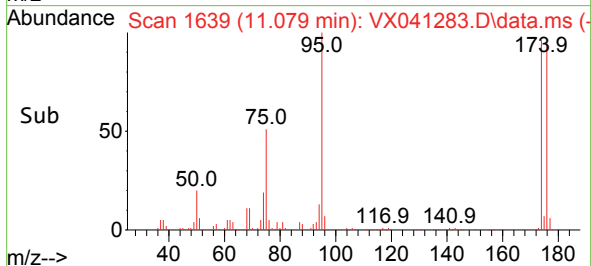


#62
4-Bromofluorobenzene
Concen: 57.689 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

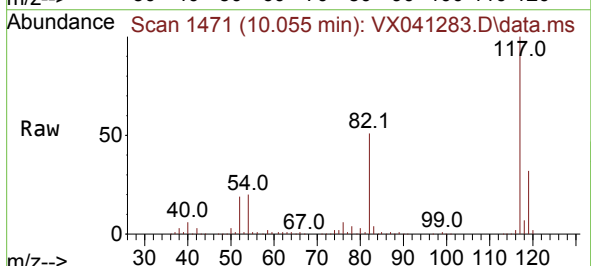
Instrument :
MSVOA_X
ClientSampleId :



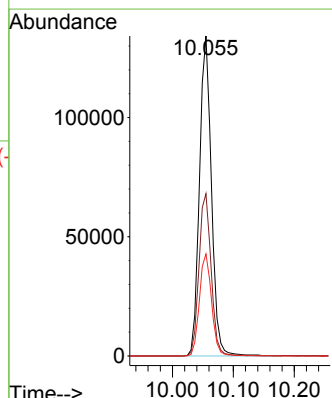
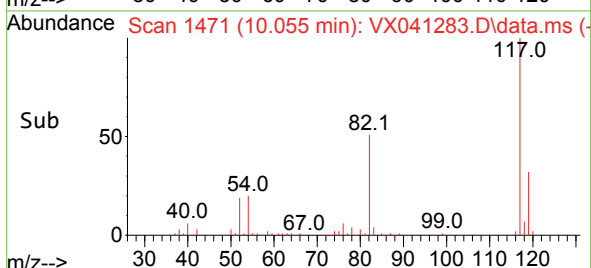
Tgt Ion: 95 Resp: 84045
Ion Ratio Lower Upper
95 100
174 100.6 0.0 135.6
176 99.0 0.0 131.0

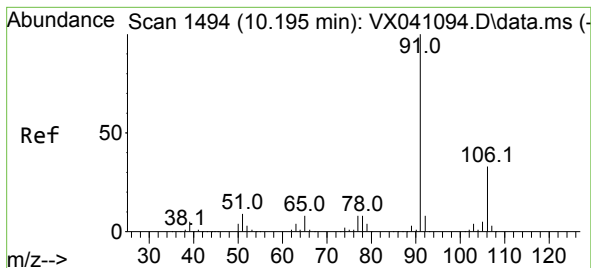


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14



Tgt Ion: 117 Resp: 183034
Ion Ratio Lower Upper
117 100
82 50.7 46.2 69.4
119 31.9 25.5 38.3





#67

Ethyl Benzene

Concen: 1.078 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

Instrument :

MSVOA_X

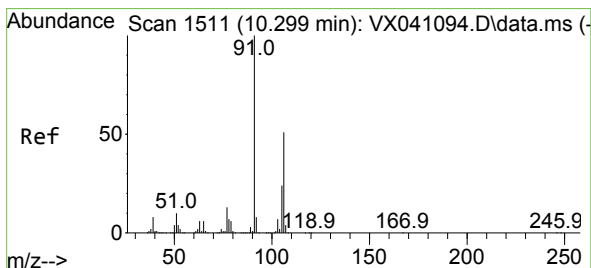
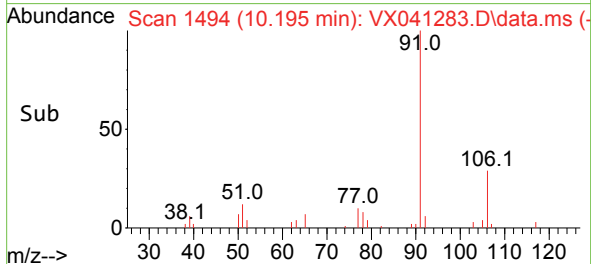
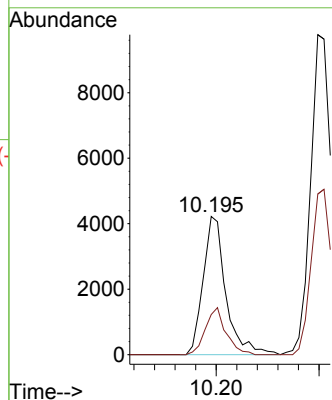
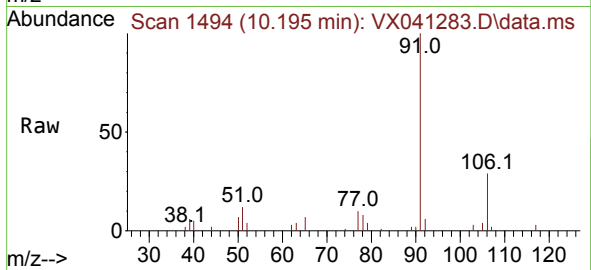
ClientSampleId :

Tgt Ion: 91 Resp: 6480

Ion Ratio Lower Upper

91 100

106 29.1 24.9 37.3



#68

m/p-Xylenes

Concen: 3.133 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041283.D

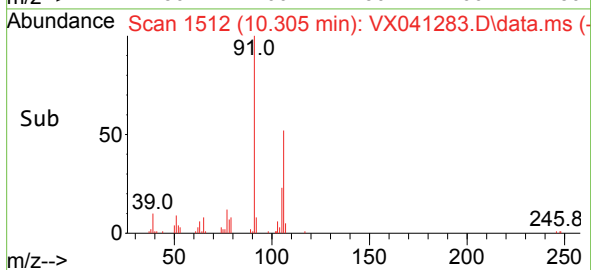
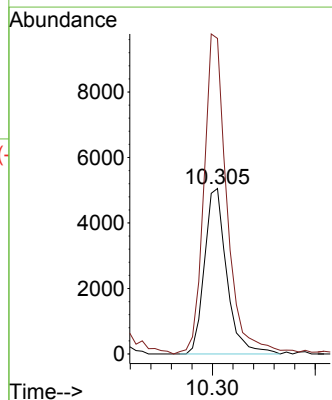
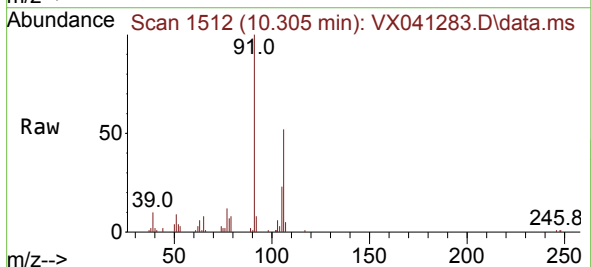
Acq: 29 Apr 2024 18:14

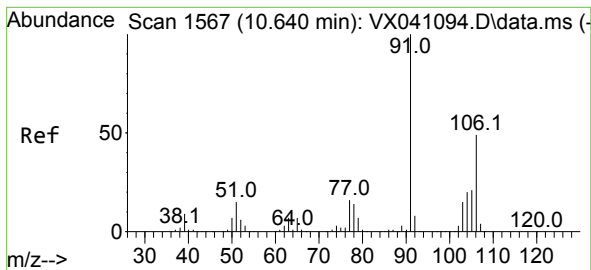
Tgt Ion: 106 Resp: 7602

Ion Ratio Lower Upper

106 100

91 201.9 165.5 248.3

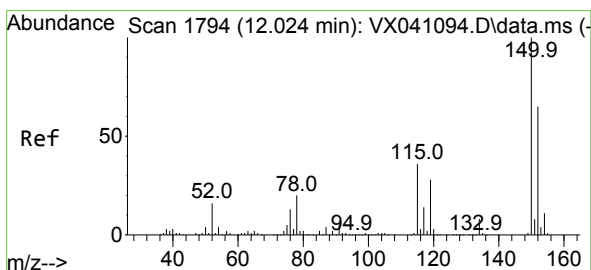
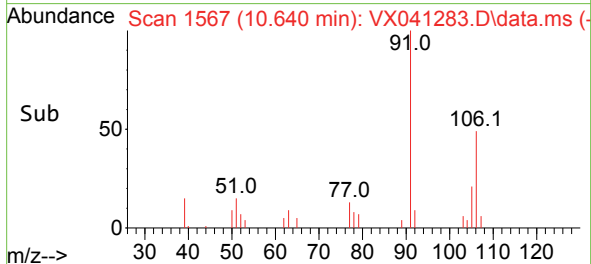
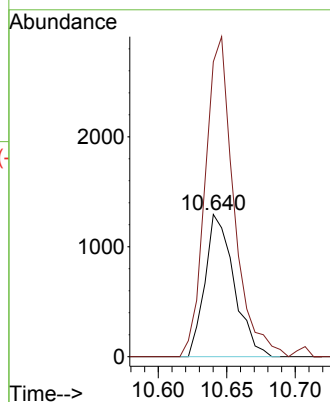
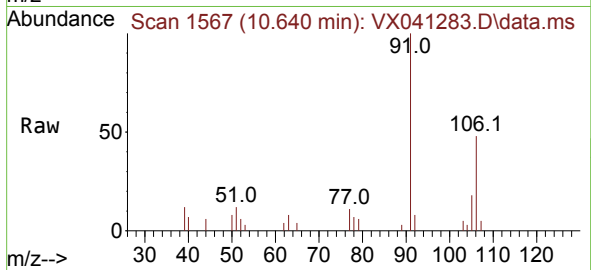




#69
o-Xylene
Concen: 0.808 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

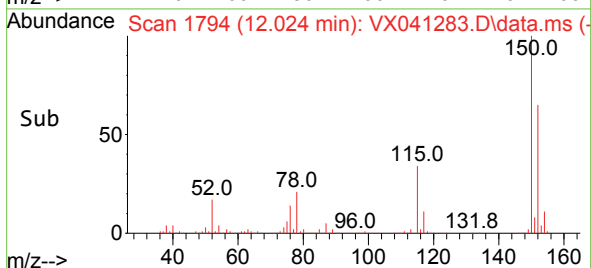
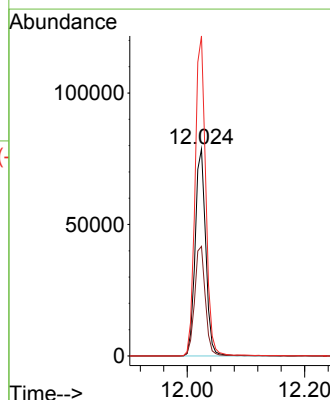
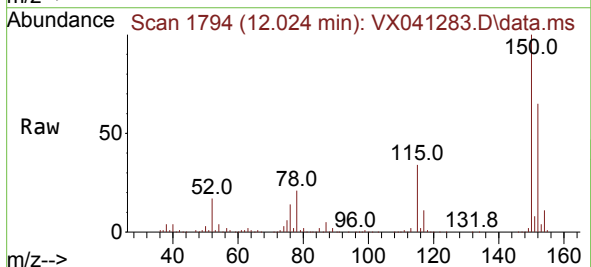
Instrument :
MSVOA_X
ClientSampleId :

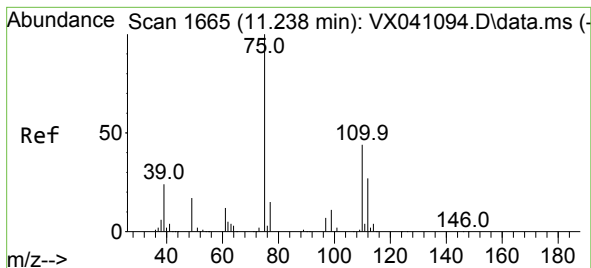
Tgt Ion:106 Resp: 1908
Ion Ratio Lower Upper
106 100
91 222.0 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041283.D
Acq: 29 Apr 2024 18:14

Tgt Ion:152 Resp: 98364
Ion Ratio Lower Upper
152 100
115 53.9 43.3 129.9
150 156.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.454 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

Instrument :

MSVOA_X

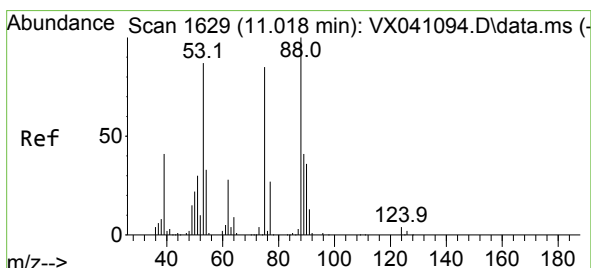
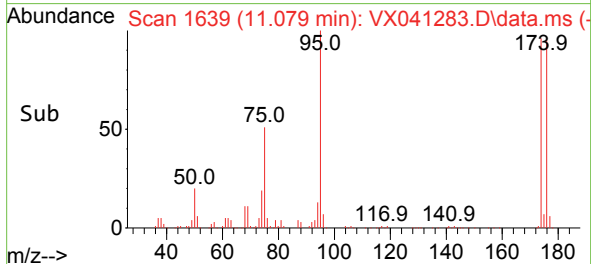
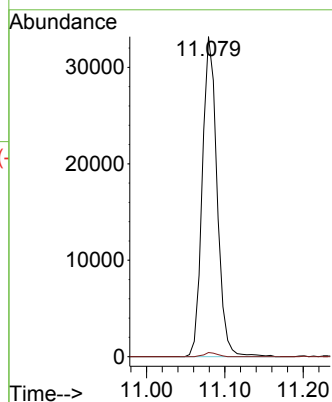
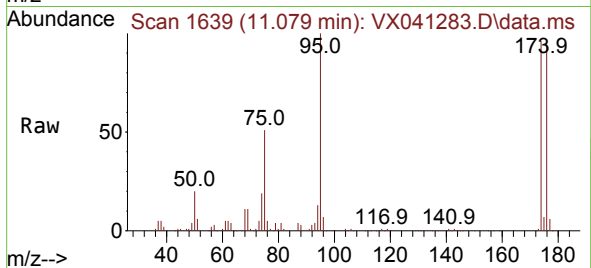
ClientSampleId :

Tgt Ion: 75 Resp: 43510

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.457 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

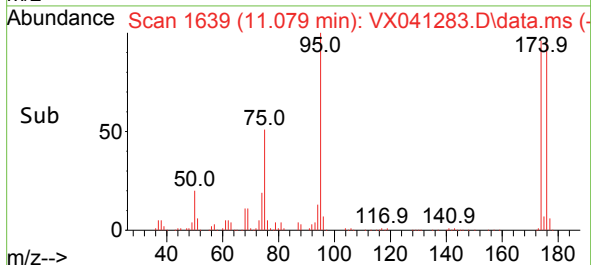
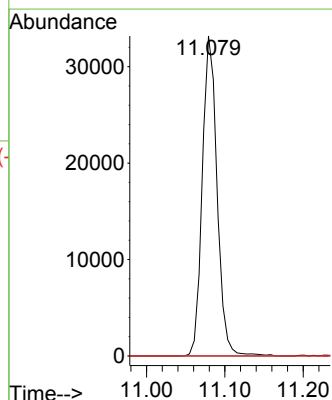
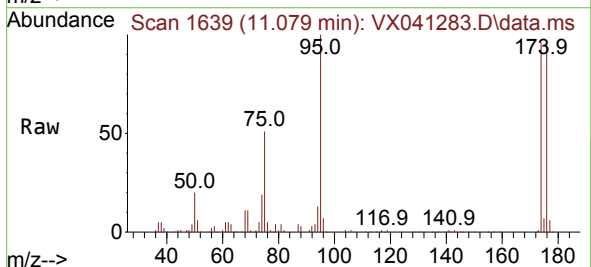
Tgt Ion: 75 Resp: 43510

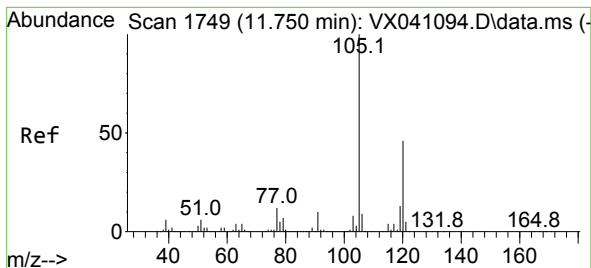
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.341 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

Instrument :

MSVOA_X

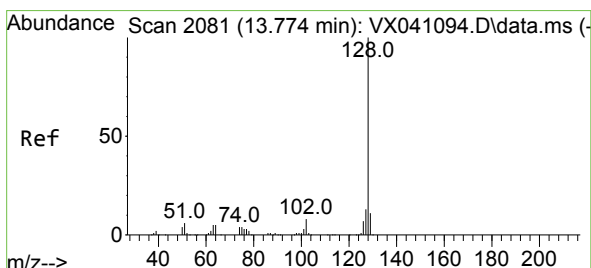
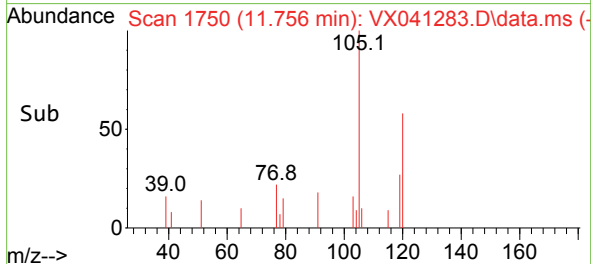
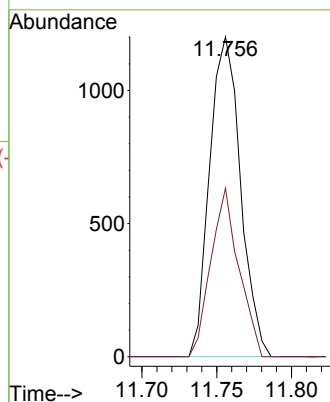
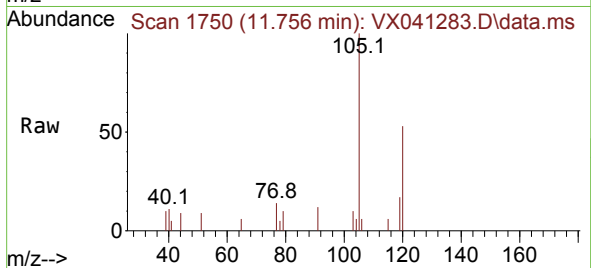
ClientSampleId :

Tgt Ion:105 Resp: 1725

Ion Ratio Lower Upper

105 100

120 47.8 21.2 63.6



#95

Naphthalene

Concen: 0.240 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041283.D

Acq: 29 Apr 2024 18:14

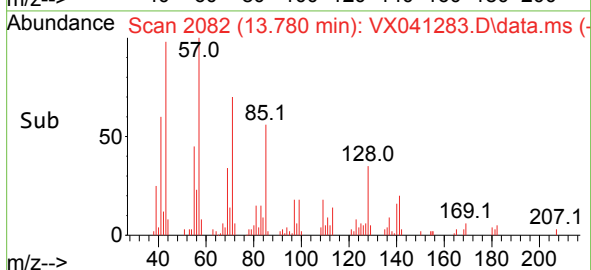
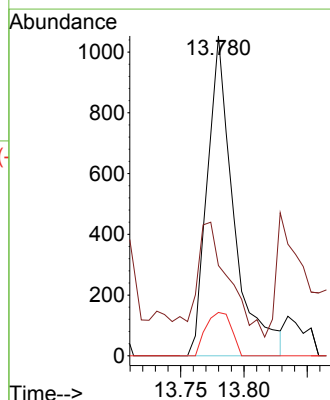
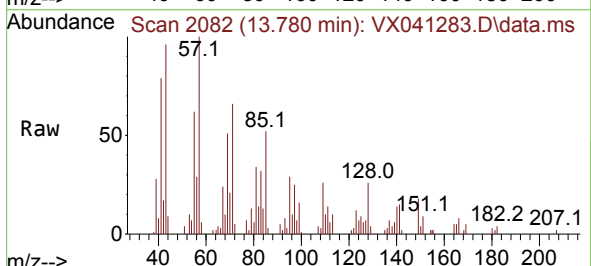
Tgt Ion:128 Resp: 1533

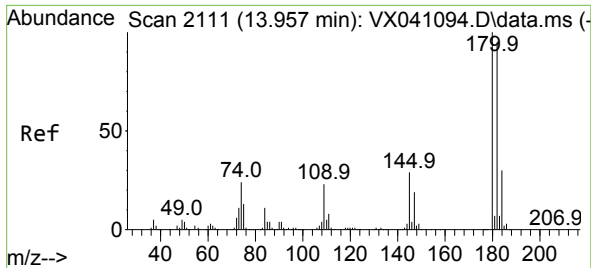
Ion Ratio Lower Upper

128 100

127 55.7 10.3 15.5#

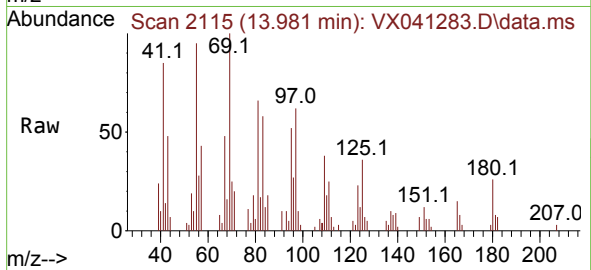
129 13.2 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.373 ug/l
 RT: 13.981 min Scan# 2115
 Delta R.T. 0.018 min
 Lab File: VX041283.D
 Acq: 29 Apr 2024 18:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 872
 Ion Ratio Lower Upper
 180 100
 182 18.6 46.9 140.6#
 145 0.0 17.8 53.5#

