

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038483.D
 Acq On : 25 Oct 2023 16:30
 Operator : JC/MD
 Sample : 05007-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:06:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

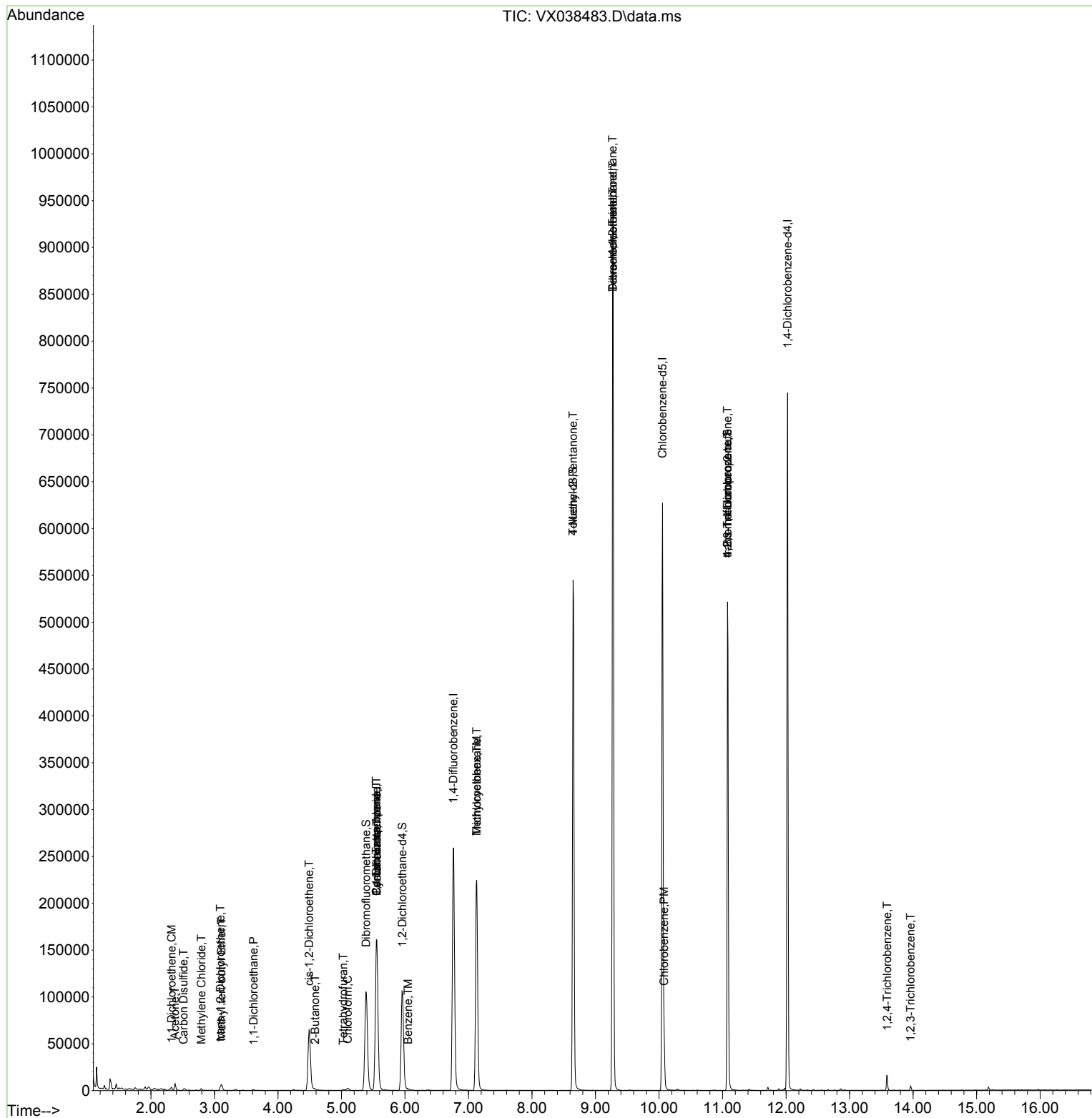
Internal Standards						
1) Pentafluorobenzene	5.556	168	159482	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	278799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	287159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104165	40.607	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	81.220%		
35) Dibromofluoromethane	5.385	113	92464	46.027	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.060%		
50) Toluene-d8	8.647	98	343419	44.736	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.480%#		
62) 4-Bromofluorobenzene	11.079	95	134118	46.084	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.160%		
Target Compounds						
						Qvalue
5) Bromomethane	1.556	94	29	Below Cal	#	3
6) Chloroethane	1.703	64	239	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	421	Below Cal	#	78
12) 1,1-Dichloroethene	2.325	96	1082	0.742	ug/l #	52
16) Acetone	2.379	43	7185	6.711	ug/l	96
17) Carbon Disulfide	2.514	76	1170	0.278	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	4790	0.824	ug/l	97
20) Methylene Chloride	2.794	84	872	0.433	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	1405	0.778	ug/l #	81
24) 1,1-Dichloroethane	3.617	63	1050	0.316	ug/l #	83
25) 2-Butanone	4.586	43	820	0.475	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	43110	20.036	ug/l	77
29) Tetrahydrofuran	5.025	42	698	0.621	ug/l #	70
30) Chloroform	5.098	83	2940	0.810	ug/l	100
31) Cyclohexane	5.556	56	3371	1.213	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	11829	4.270	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15614	5.729	ug/l #	16
39) Methylcyclohexane	7.129	83	1045	0.322	ug/l #	1
40) Benzene	6.050	78	1599	0.206	ug/l #	90
44) Trichloroethene	7.129	130	91037	44.922	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	1491	0.440	ug/l #	1
55) 1,1,2-Trichloroethane	9.268	97	1526	0.707	ug/l #	7
60) Dibromochloromethane	9.275	129	165653	78.401	ug/l #	11
64) Tetrachloroethene	9.275	164	170133	91.519	ug/l	95
65) Chlorobenzene	10.079	112	20025	3.333	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	69096	19.429	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	69096	56.190	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	4468	1.347	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	1345	0.419	ug/l	98

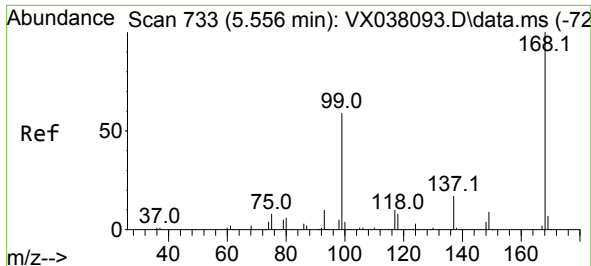
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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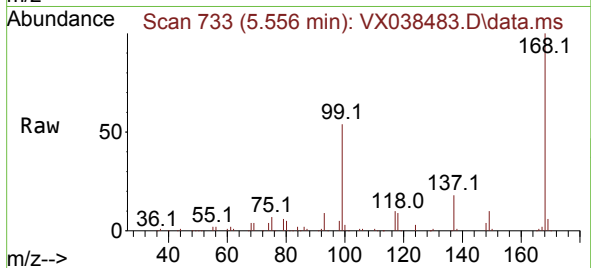
Quant Time: Oct 26 04:06:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



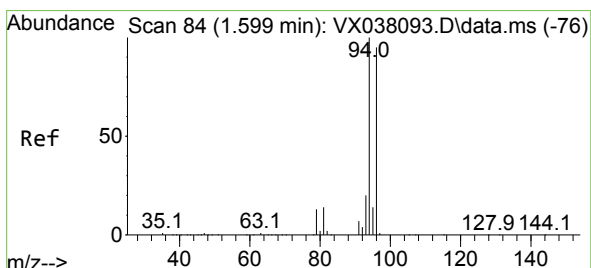
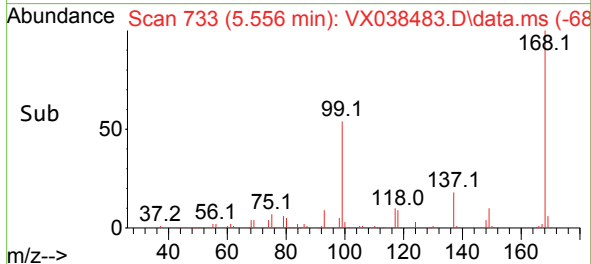
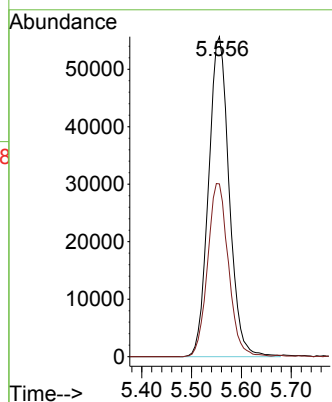


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :

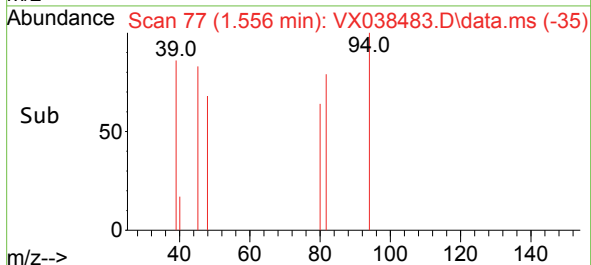
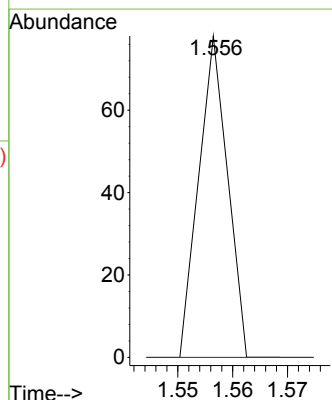
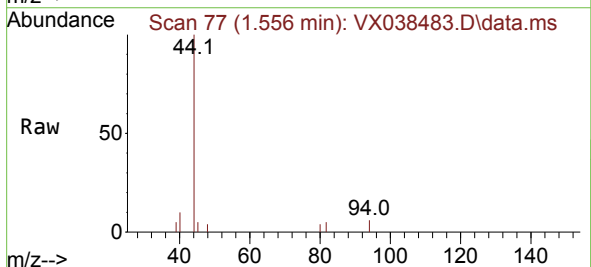


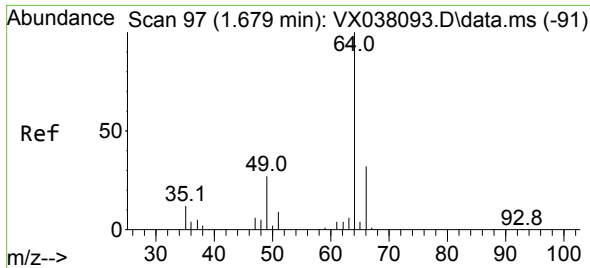
Tgt Ion:168 Resp: 159482
Ion Ratio Lower Upper
168 100
99 54.0 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.556 min Scan# 77
Delta R.T. -0.043 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Tgt Ion: 94 Resp: 29
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

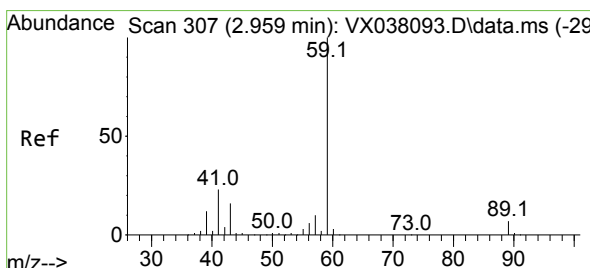
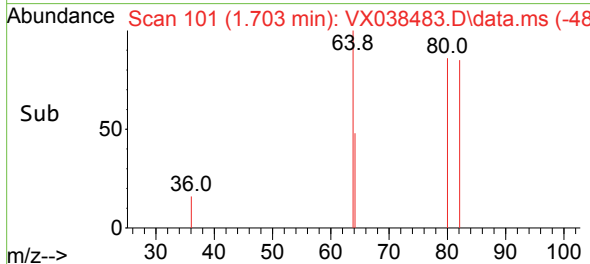
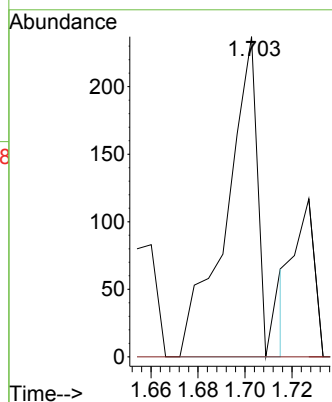
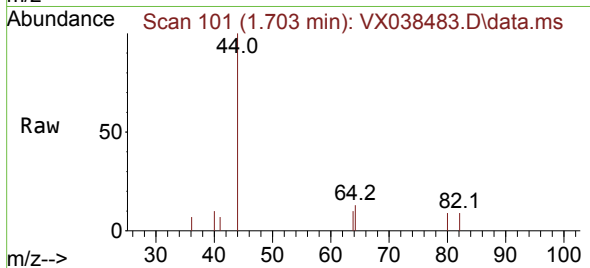




#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

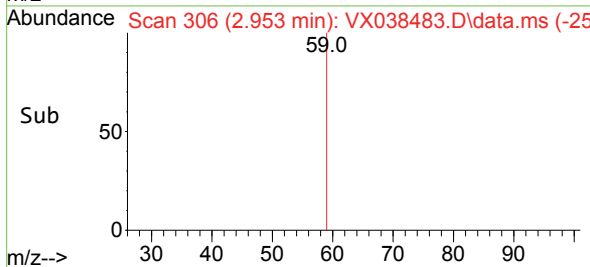
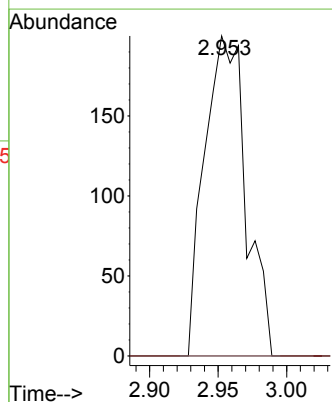
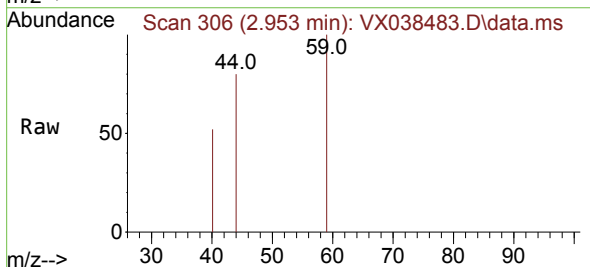
Instrument :
MSVOA_X
ClientSampleId :

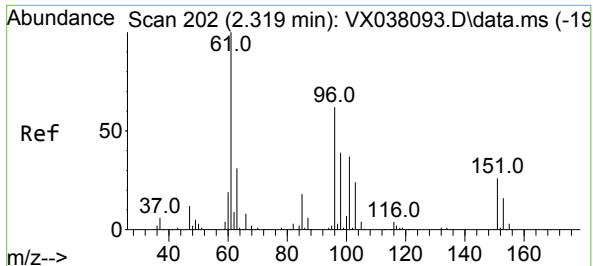
Tgt Ion: 64 Resp: 239
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.742 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

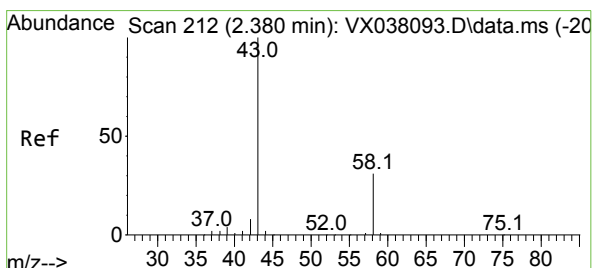
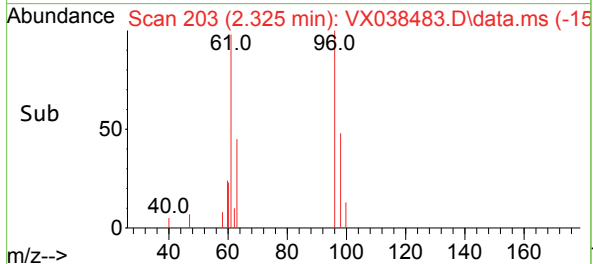
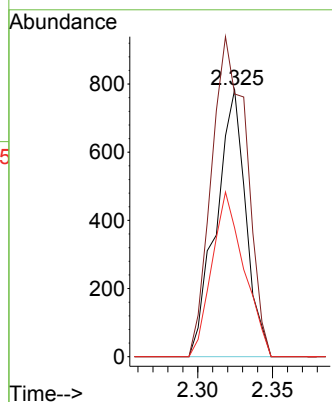
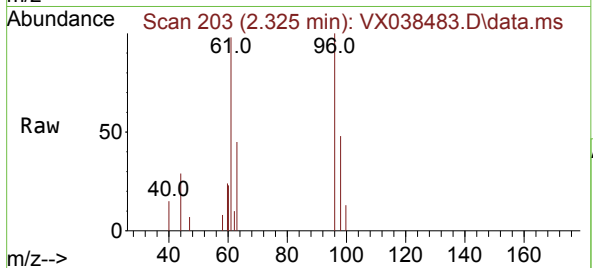
Tgt Ion: 96 Resp: 1082

Ion Ratio Lower Upper

96 100

61 98.5 144.6 216.8#

98 48.3 50.4 75.6#



#16

Acetone

Concen: 6.711 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.001 min

Lab File: VX038483.D

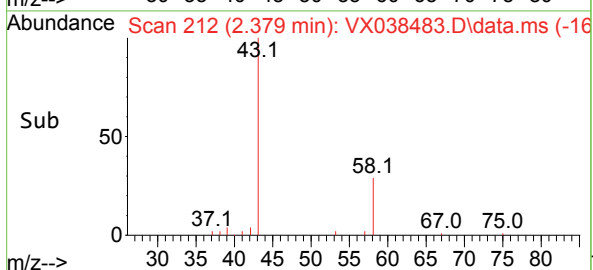
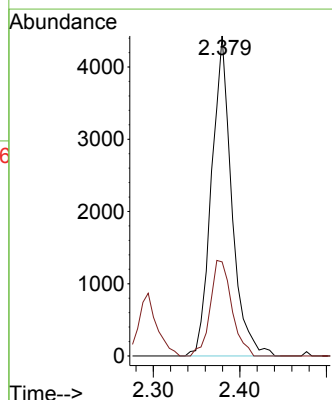
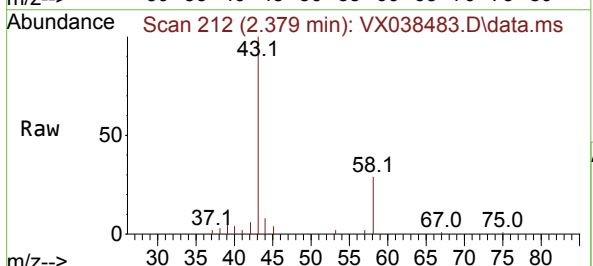
Acq: 25 Oct 2023 16:30

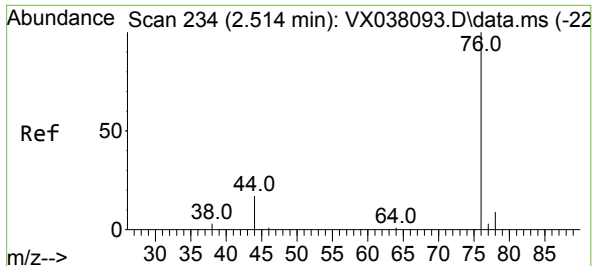
Tgt Ion: 43 Resp: 7185

Ion Ratio Lower Upper

43 100

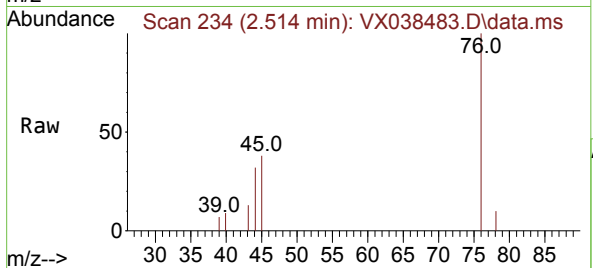
58 29.4 21.9 32.9



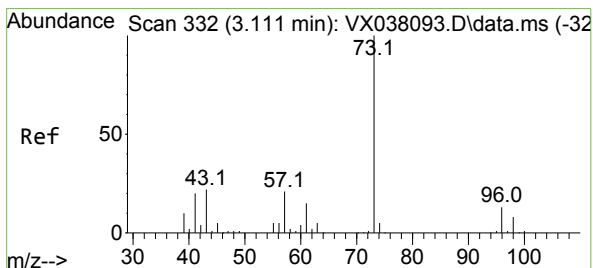
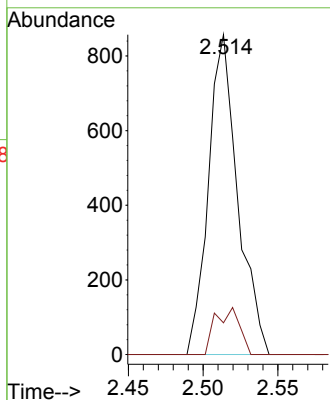
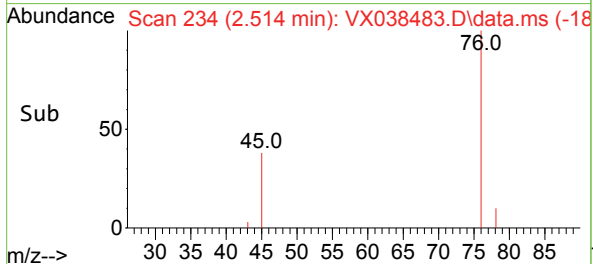


#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :

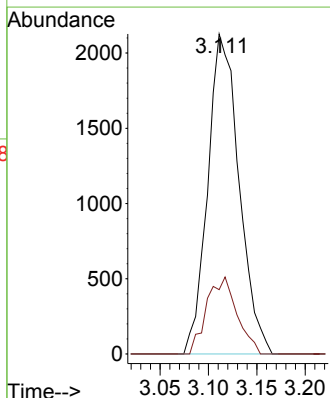
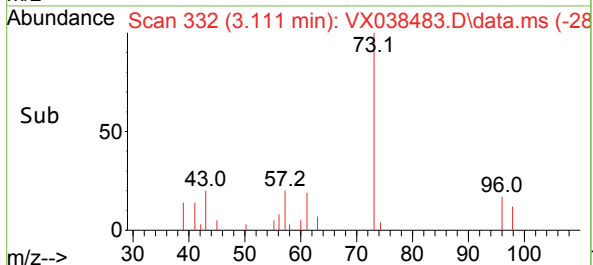
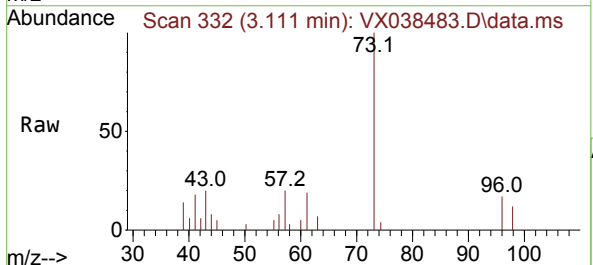


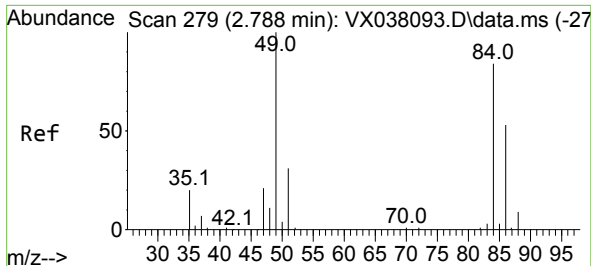
Tgt Ion: 76 Resp: 1170
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6



#19
Methyl tert-butyl Ether
Concen: 0.824 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

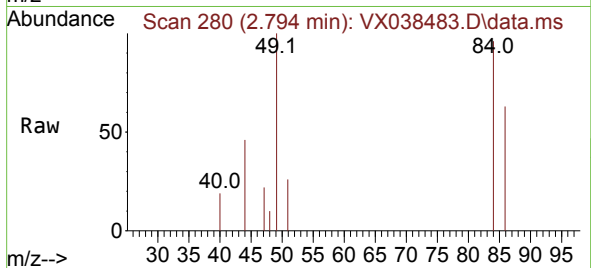
Tgt Ion: 73 Resp: 4790
Ion Ratio Lower Upper
73 100
57 20.1 17.3 25.9



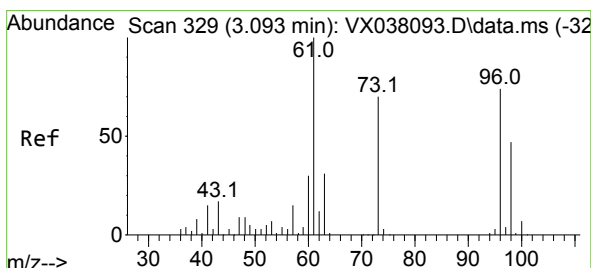
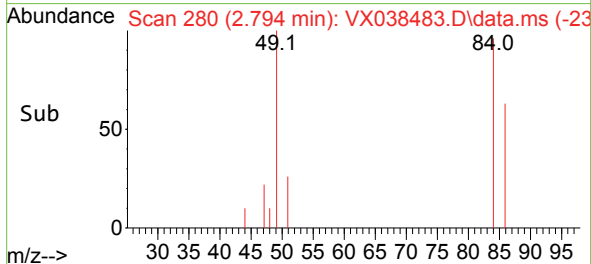
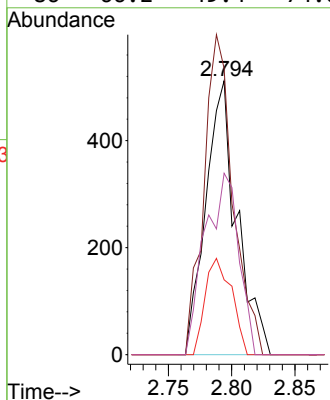


#20
Methylene Chloride
Concen: 0.433 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :

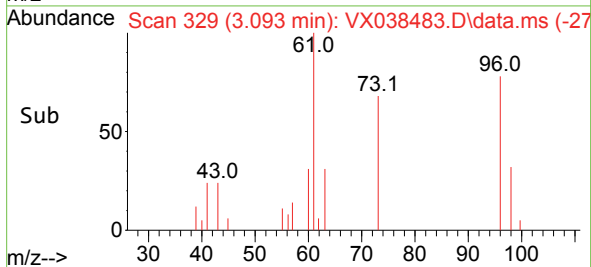
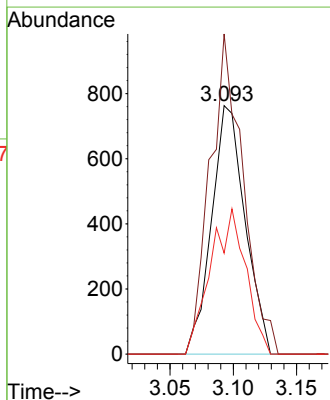
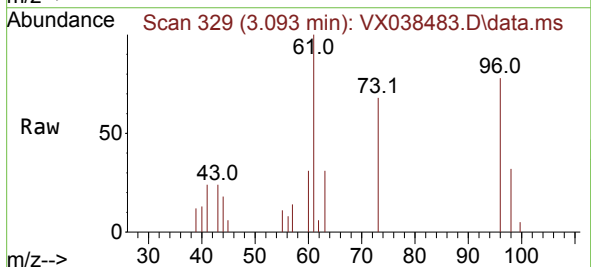


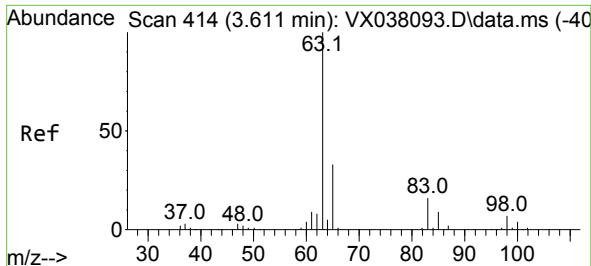
Tgt Ion: 84 Resp: 872
Ion Ratio Lower Upper
84 100
49 104.5 103.6 155.4
51 27.3 33.8 50.6#
86 66.2 49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.778 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

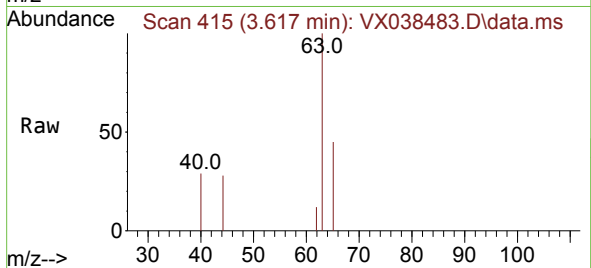
Tgt Ion: 96 Resp: 1405
Ion Ratio Lower Upper
96 100
61 128.8 119.2 178.8
98 40.6 48.7 73.1#



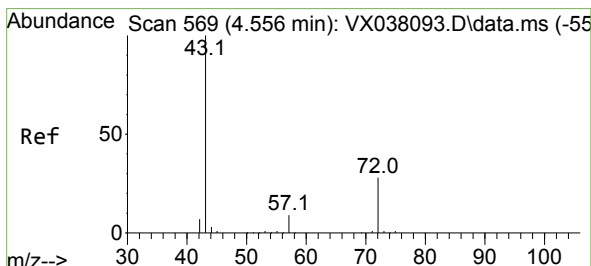
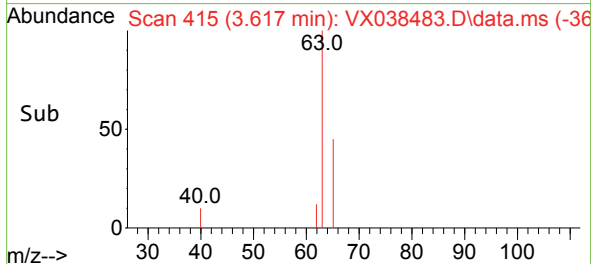
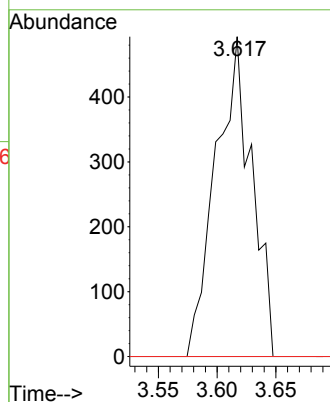


#24
 1,1-Dichloroethane
 Concen: 0.316 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

Instrument :
 MSVOA_X
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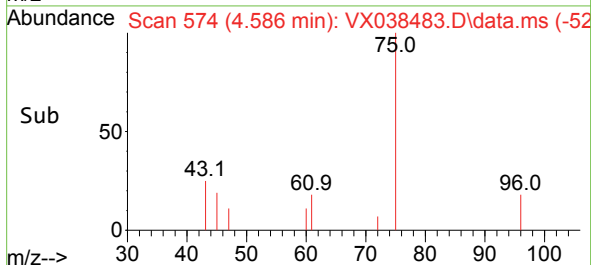
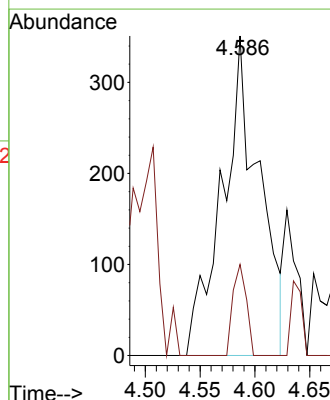
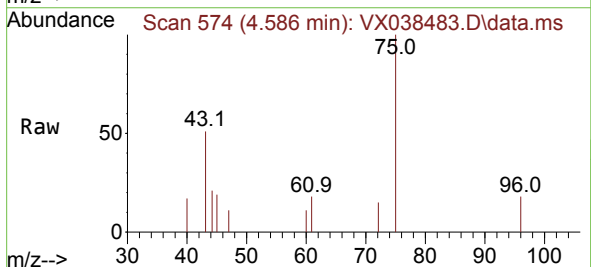


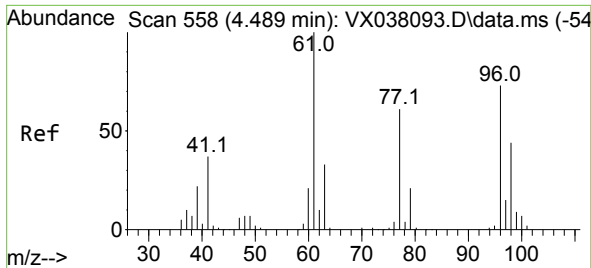
Tgt Ion: 63 Resp: 1050
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#



#25
 2-Butanone
 Concen: 0.475 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.030 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

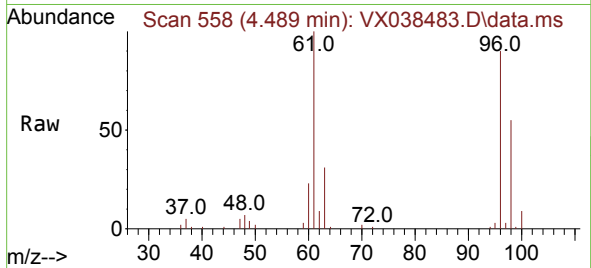
Tgt Ion: 43 Resp: 820
 Ion Ratio Lower Upper
 43 100
 72 28.5 19.4 29.2





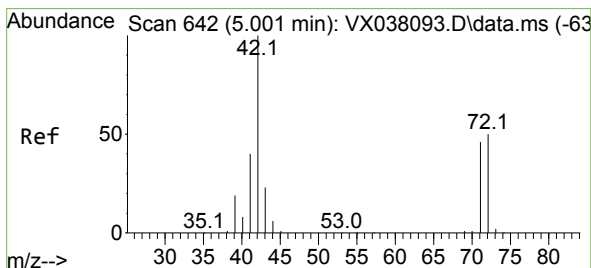
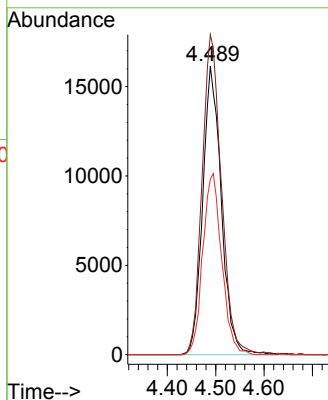
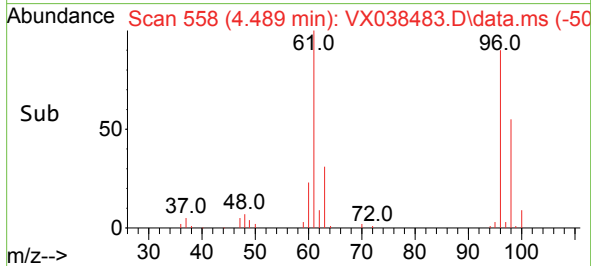
#27
 cis-1,2-Dichloroethene
 Concen: 20.036 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

Instrument :
 MSVOA_X
 ClientSampleId :

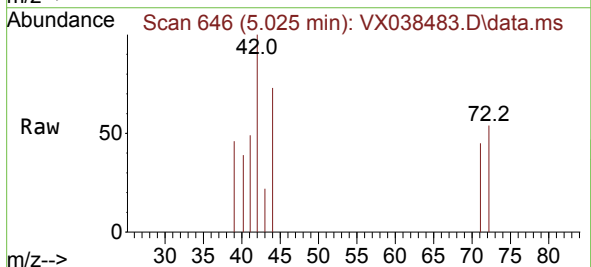


Tgt Ion: 96 Resp: 43110

Ion	Ratio	Lower	Upper
96	100		
61	114.8	0.0	312.2
98	63.9	0.0	129.0

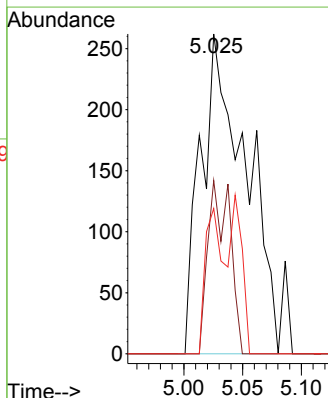
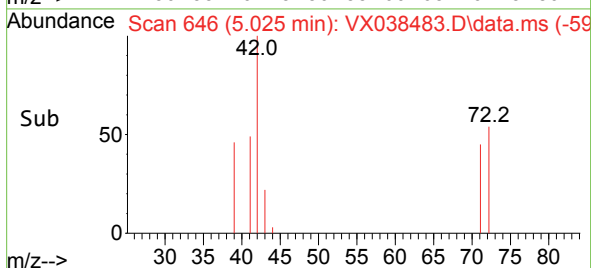


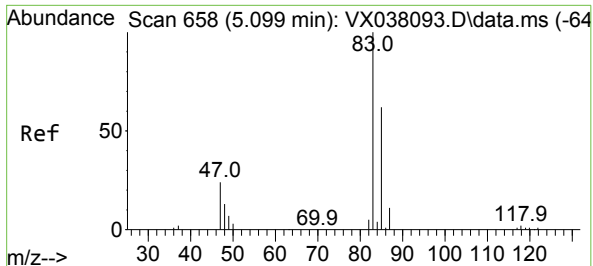
#29
 Tetrahydrofuran
 Concen: 0.621 ug/l
 RT: 5.025 min Scan# 646
 Delta R.T. 0.024 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30



Tgt Ion: 42 Resp: 698

Ion	Ratio	Lower	Upper
42	100		
72	26.4	34.2	51.4#
71	19.2	32.2	48.2#





#30

Chloroform

Concen: 0.810 ug/l

RT: 5.098 min Scan# 61

Delta R.T. 0.005 min

Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

Instrument :

MSVOA_X

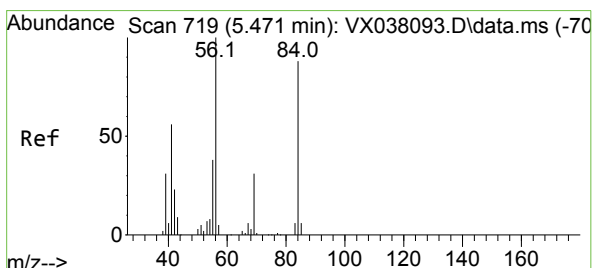
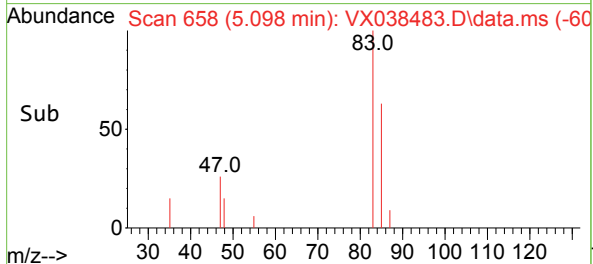
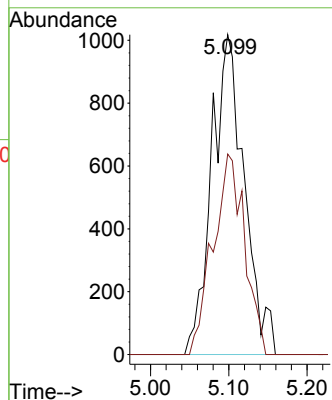
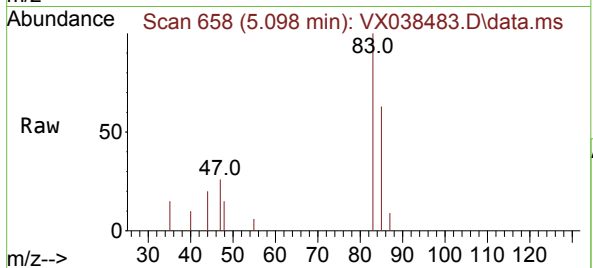
ClientSampleId :

Tgt Ion: 83 Resp: 2940

Ion Ratio Lower Upper

83 100

85 62.7 50.3 75.5



#31

Cyclohexane

Concen: 1.213 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

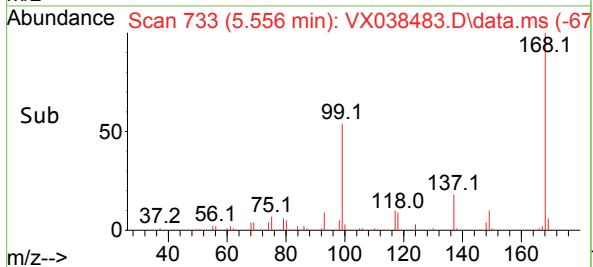
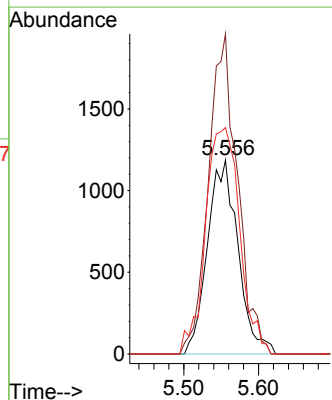
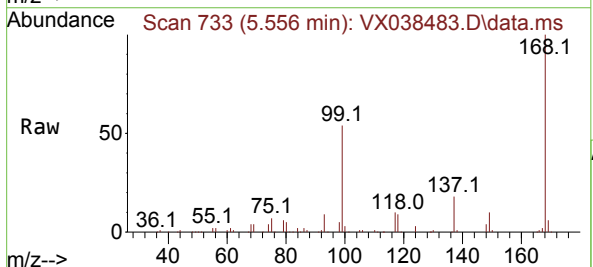
Tgt Ion: 56 Resp: 3371

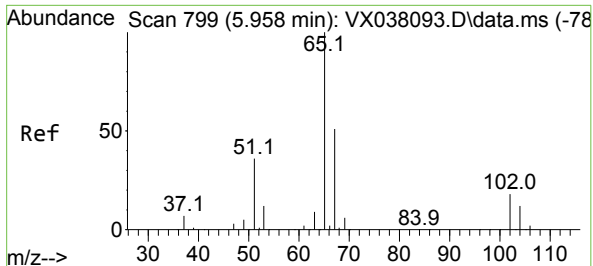
Ion Ratio Lower Upper

56 100

69 165.2 23.4 35.2#

84 116.9 65.9 98.9#

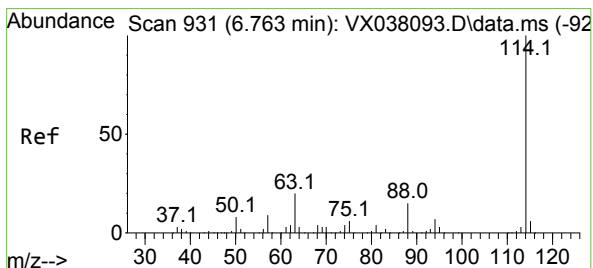
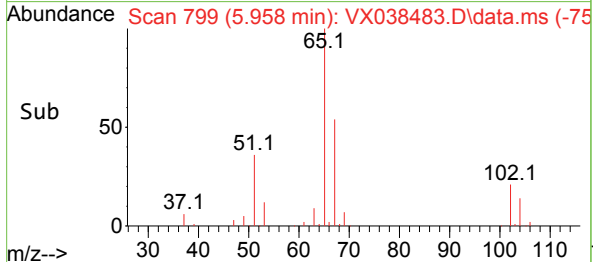
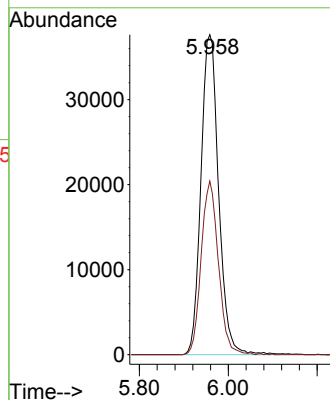
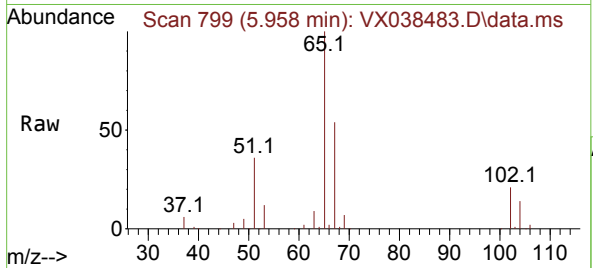




#33
 1,2-Dichloroethane-d4
 Concen: 40.607 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

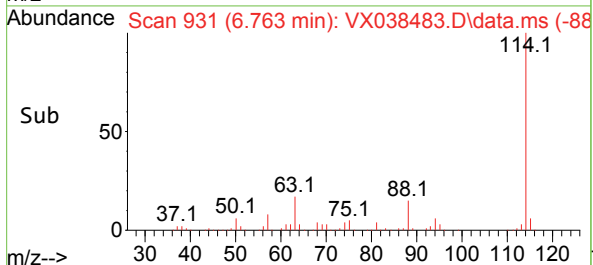
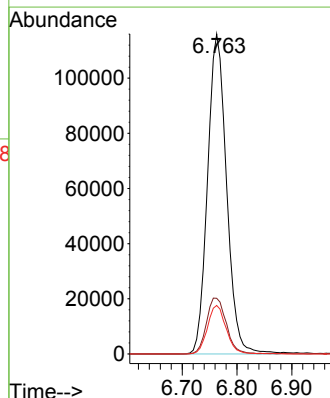
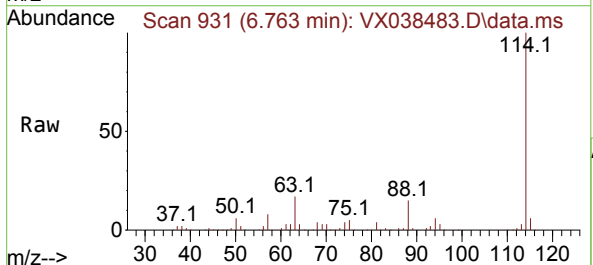
Instrument :
 MSVOA_X
 ClientSampleId :

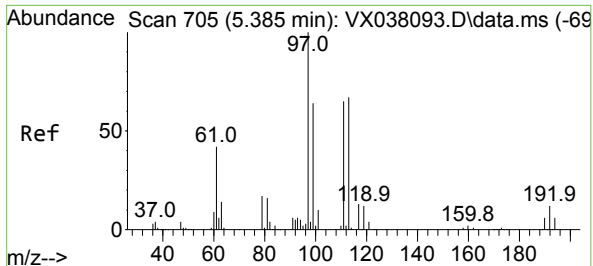
Tgt Ion: 65 Resp: 104165
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

Tgt Ion: 114 Resp: 278799
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 45.0
 88 15.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.027 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

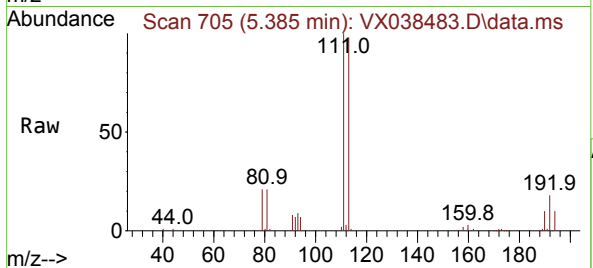
Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

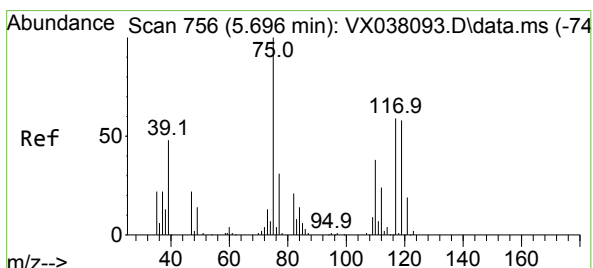
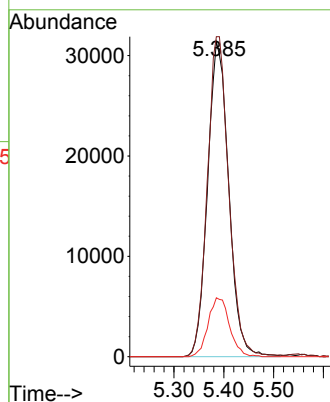
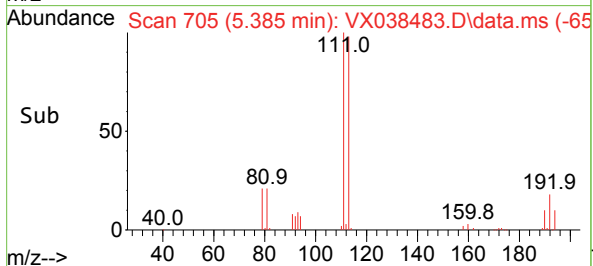
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	92464
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.0	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.270 ug/l

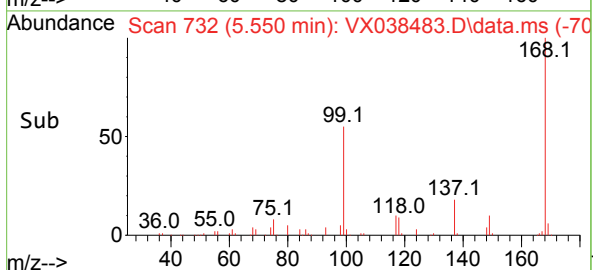
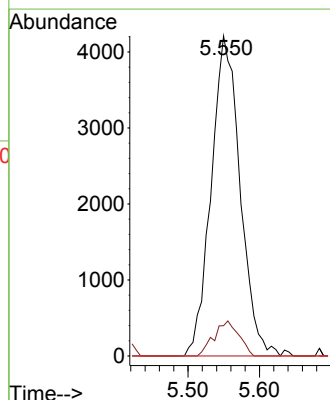
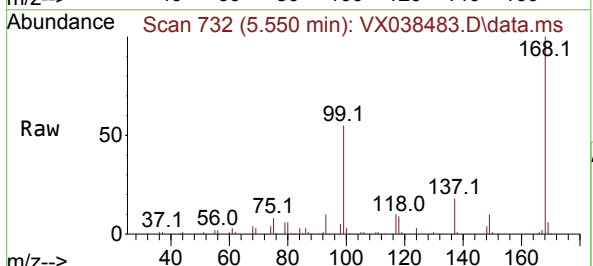
RT: 5.550 min Scan# 732

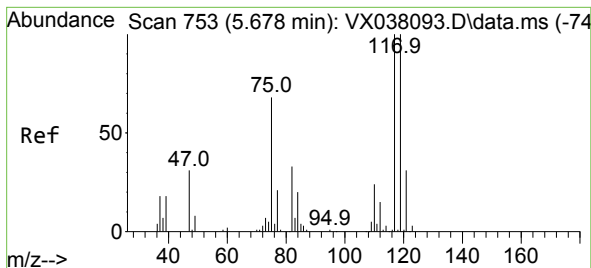
Delta R.T. -0.140 min

Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

Tgt Ion:	75	Resp:	11829
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.0	50.9#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.729 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

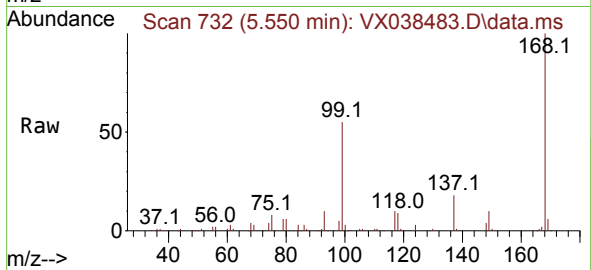
Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :



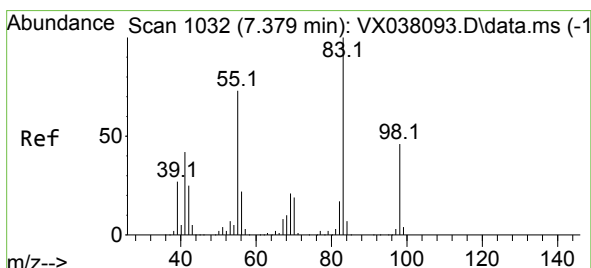
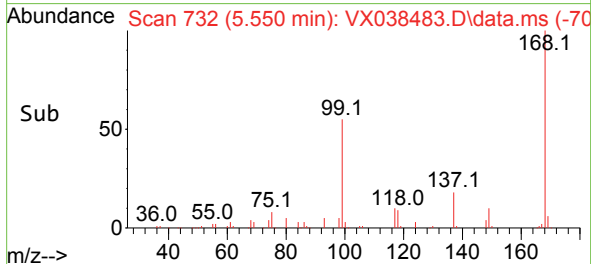
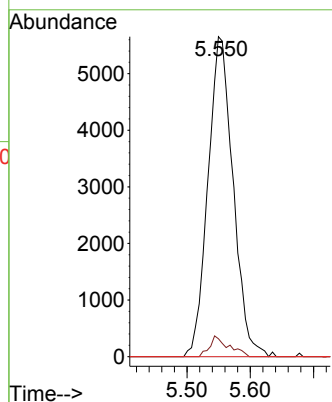
Tgt Ion:117 Resp: 15614

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 0.322 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

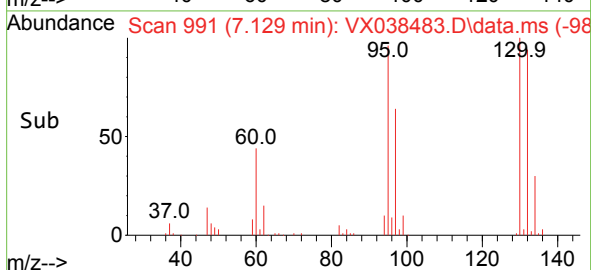
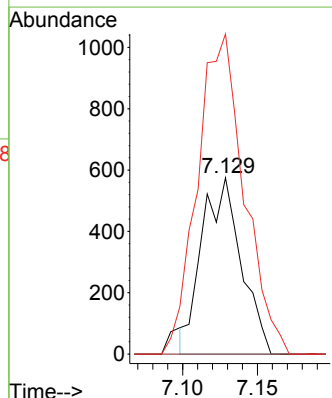
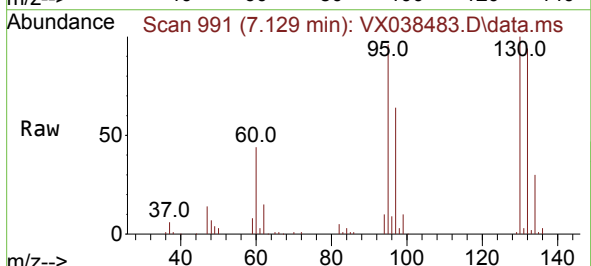
Tgt Ion: 83 Resp: 1045

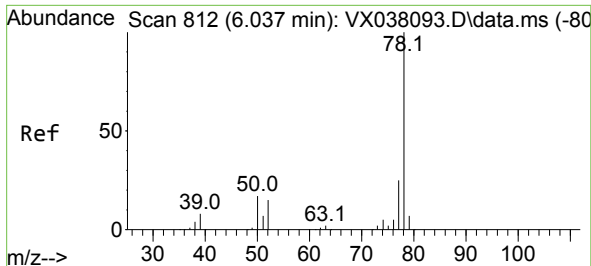
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 170.6 36.7 55.1#

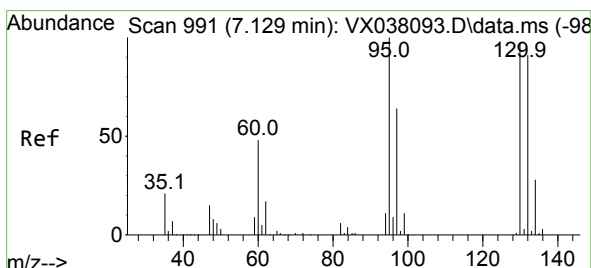
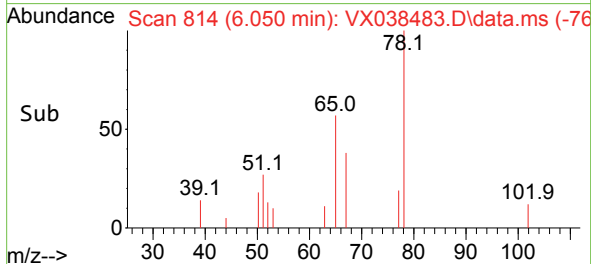
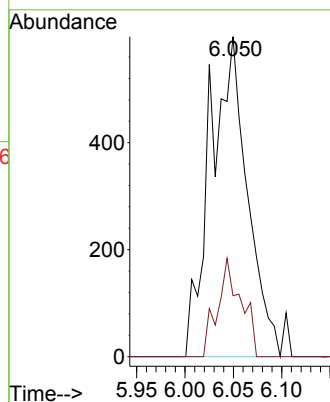
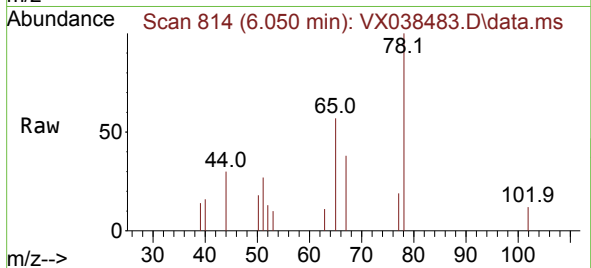




#40
Benzene
Concen: 0.206 ug/l
RT: 6.050 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

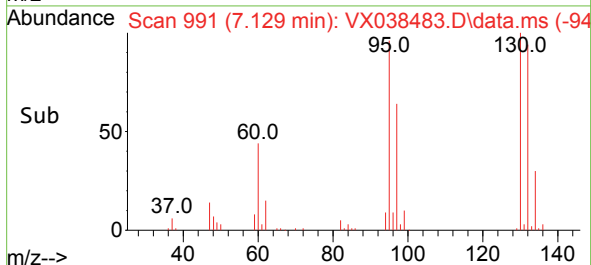
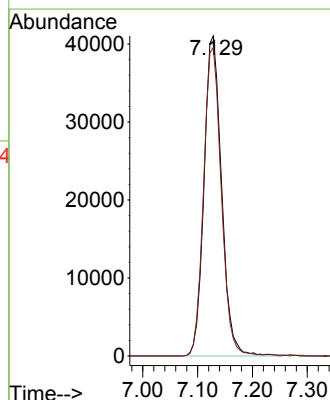
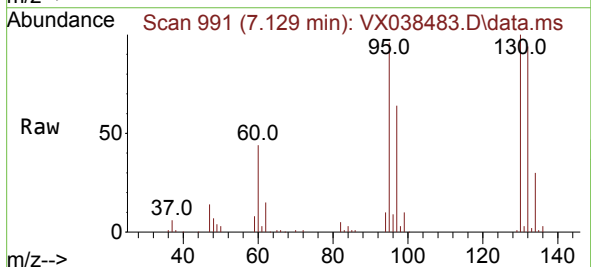
Instrument :
MSVOA_X
ClientSampleId :

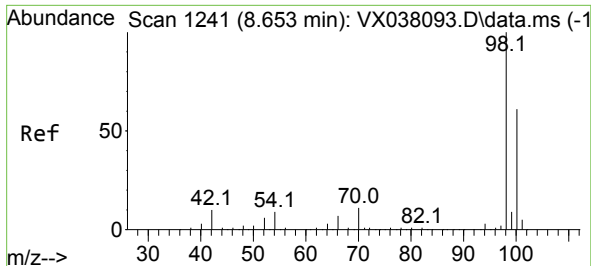
Tgt Ion: 78 Resp: 1599
Ion Ratio Lower Upper
78 100
77 19.1 19.3 28.9#



#44
Trichloroethene
Concen: 44.922 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Tgt Ion:130 Resp: 91037
Ion Ratio Lower Upper
130 100
95 96.3 0.0 204.4





#50

Toluene-d8

Concen: 44.736 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038483.D

Acq: 25 Oct 2023 16:30

Instrument :

MSVOA_X

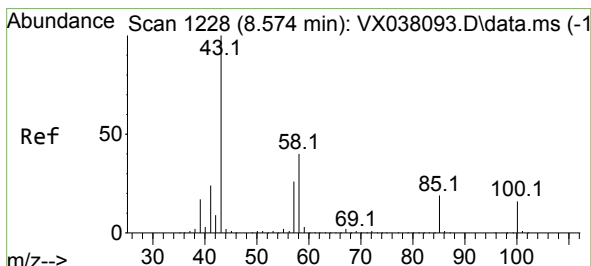
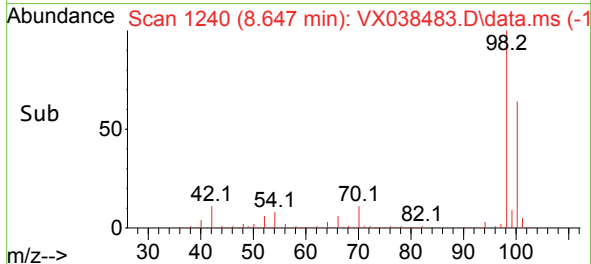
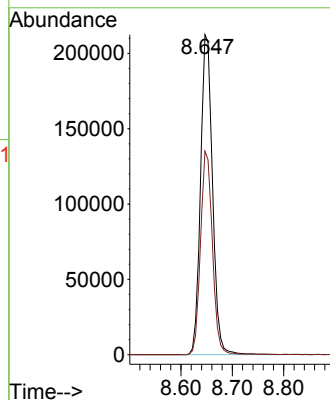
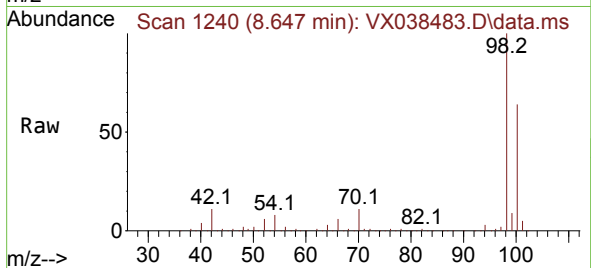
ClientSampleId :

Tgt Ion: 98 Resp: 343419

Ion Ratio Lower Upper

98 100

100 63.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.440 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX038483.D

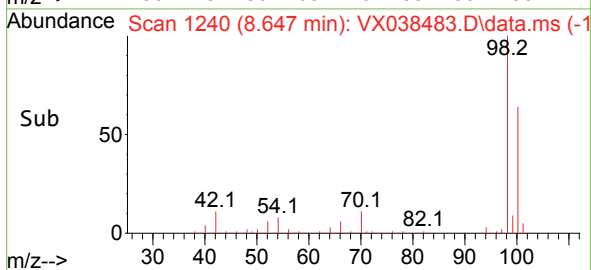
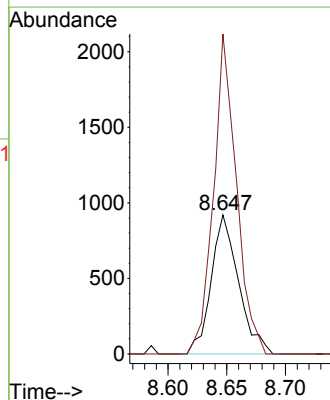
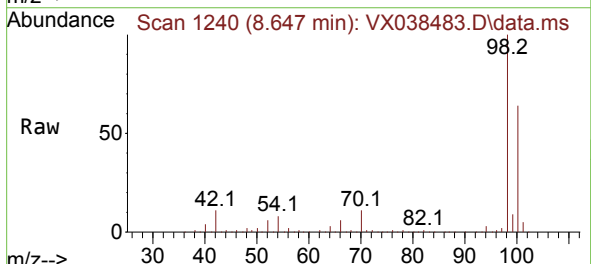
Acq: 25 Oct 2023 16:30

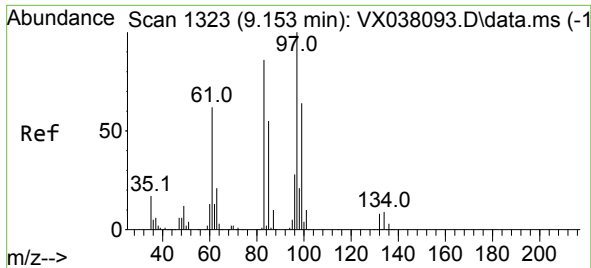
Tgt Ion: 43 Resp: 1491

Ion Ratio Lower Upper

43 100

58 192.7 30.4 45.6#

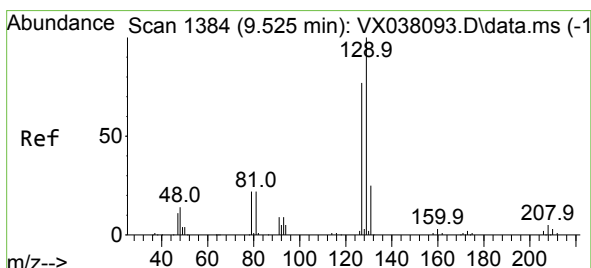
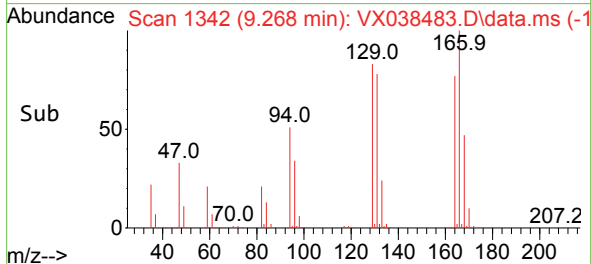
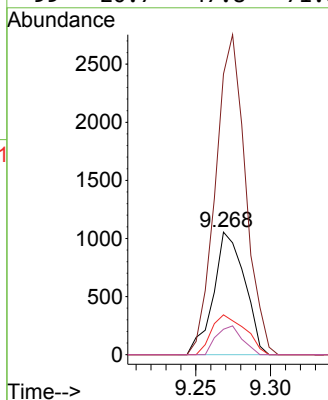
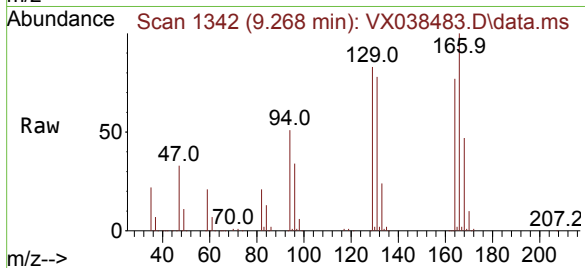




#55
1,1,2-Trichloroethane
Concen: 0.707 ug/l
RT: 9.268 min Scan# 11
Delta R.T. 0.115 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

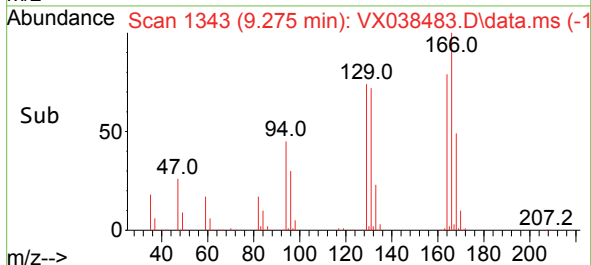
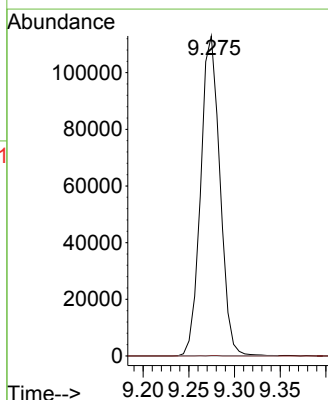
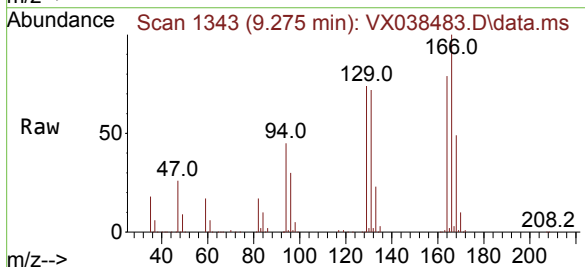
Instrument :
MSVOA_X
ClientSampleId :

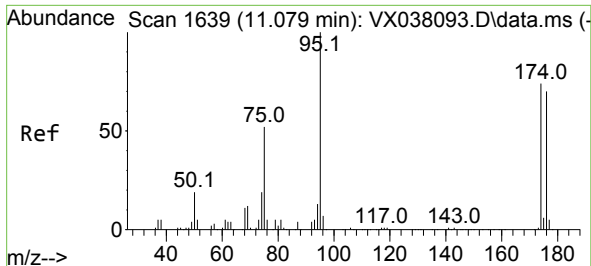
Tgt Ion: 97 Resp: 1526
Ion Ratio Lower Upper
97 100
83 229.1 65.8 98.8#
85 32.4 41.6 62.4#
99 20.7 47.8 71.8#



#60
Dibromochloromethane
Concen: 78.401 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Tgt Ion: 129 Resp: 165653
Ion Ratio Lower Upper
129 100
127 0.1 38.8 116.4#

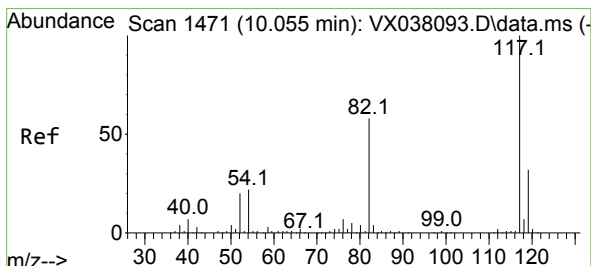
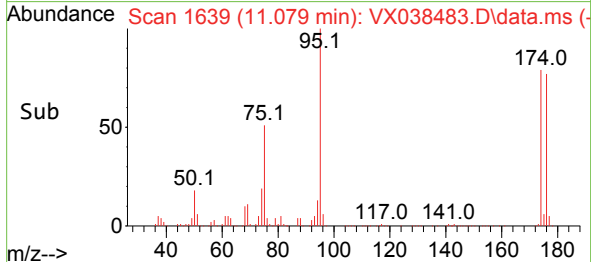
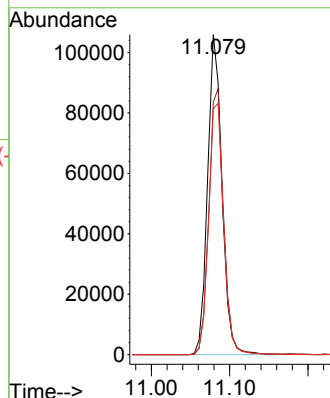
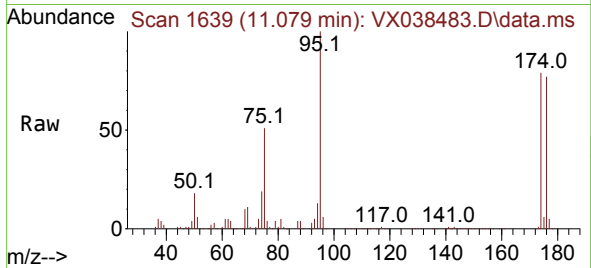




#62
4-Bromofluorobenzene
Concen: 46.084 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

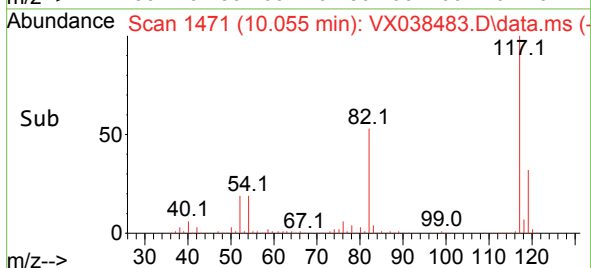
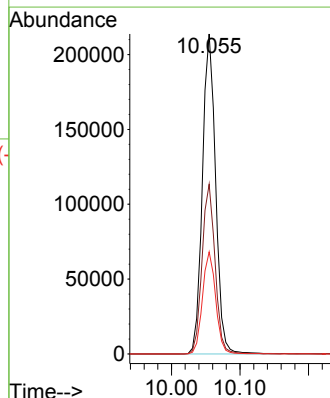
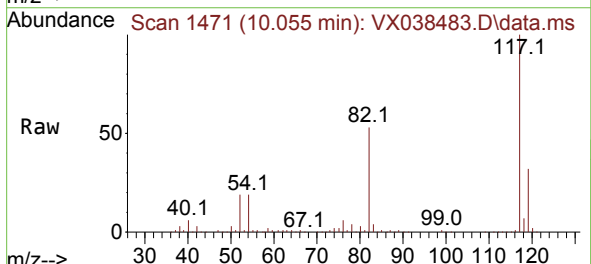
Instrument :
MSVOA_X
ClientSampleId :

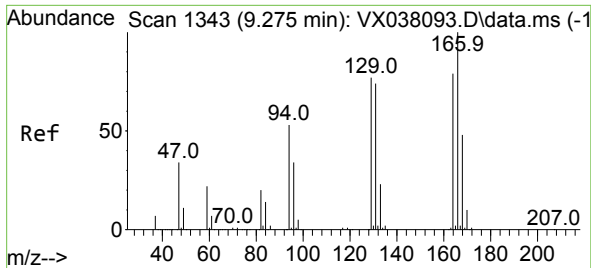
Tgt Ion: 95 Resp: 134118
Ion Ratio Lower Upper
95 100
174 85.6 0.0 135.6
176 82.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

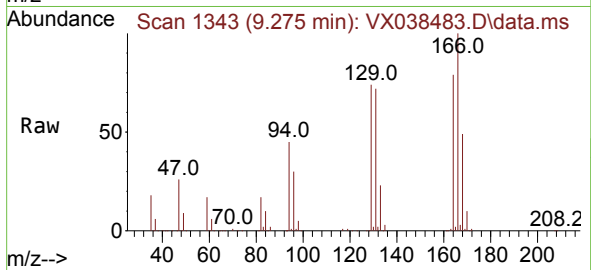
Tgt Ion: 117 Resp: 287159
Ion Ratio Lower Upper
117 100
82 53.1 46.2 69.4
119 31.9 25.5 38.3



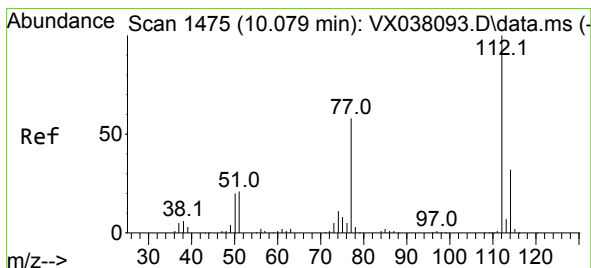
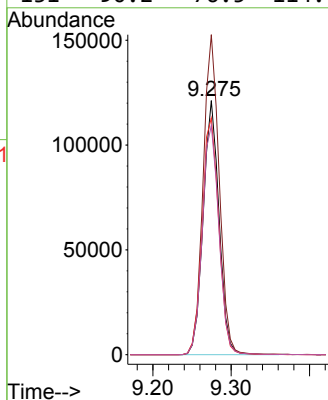
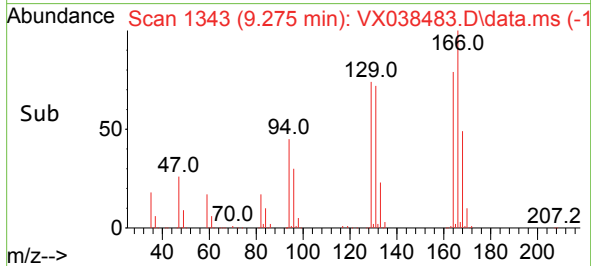


#64
Tetrachloroethene
Concen: 91.519 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :

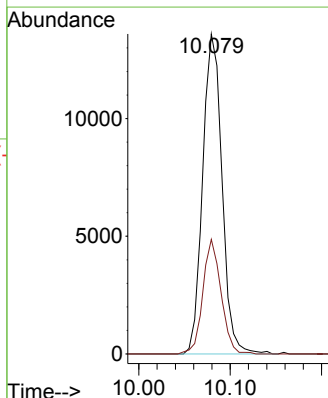
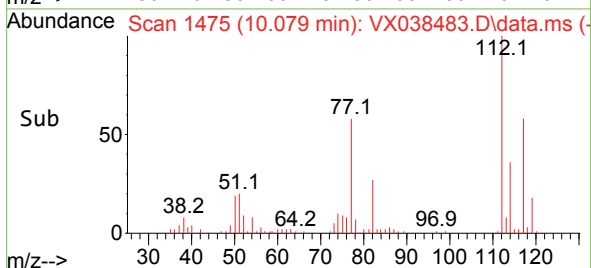
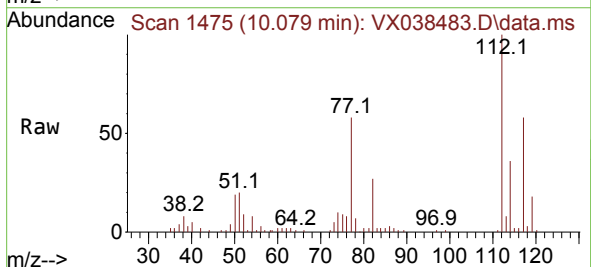


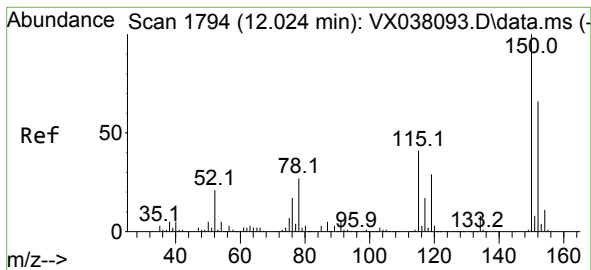
Tgt Ion:164 Resp: 170133
Ion Ratio Lower Upper
164 100
166 125.9 102.7 154.1
129 93.1 80.4 120.6
131 90.2 76.5 114.7



#65
Chlorobenzene
Concen: 3.333 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038483.D
Acq: 25 Oct 2023 16:30

Tgt Ion:112 Resp: 20025
Ion Ratio Lower Upper
112 100
114 35.8 25.7 38.5

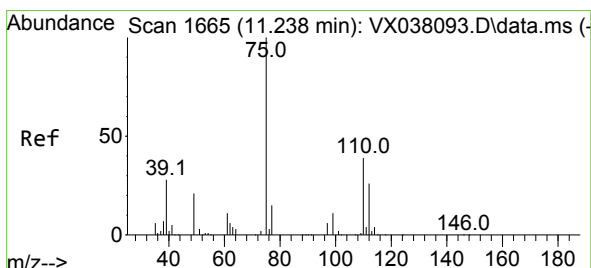
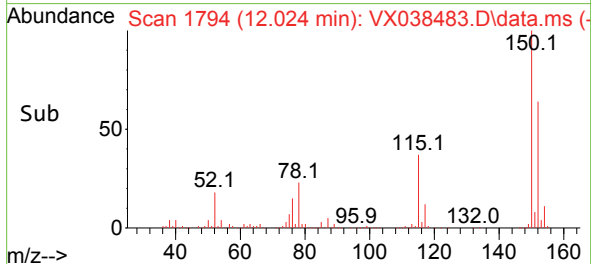
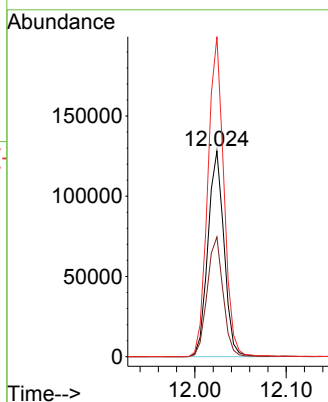
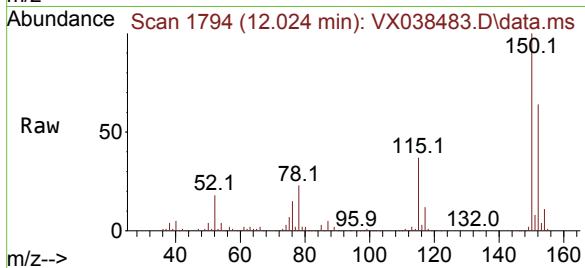




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

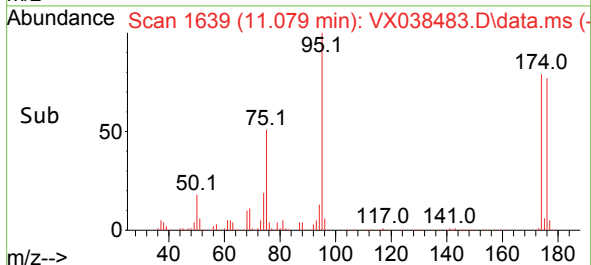
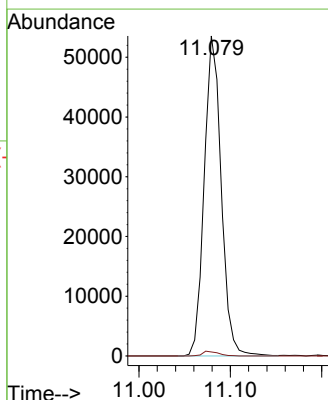
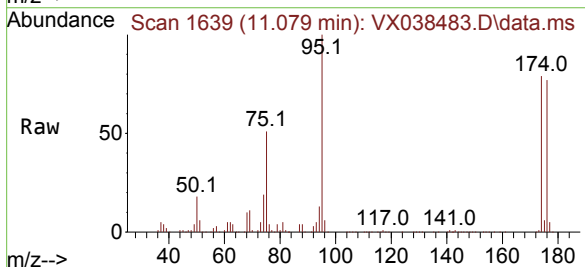
Instrument :
 MSVOA_X
 ClientSampleId :

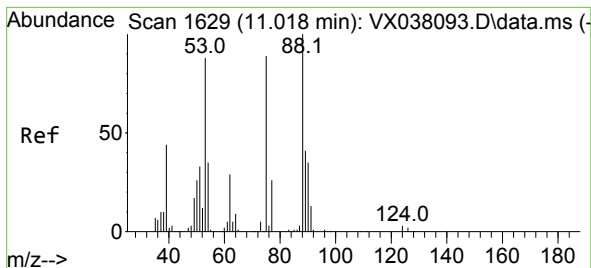
Tgt Ion:152 Resp: 156431
 Ion Ratio Lower Upper
 152 100
 115 57.9 43.3 129.9
 150 155.1 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.429 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

Tgt Ion: 75 Resp: 69096
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#

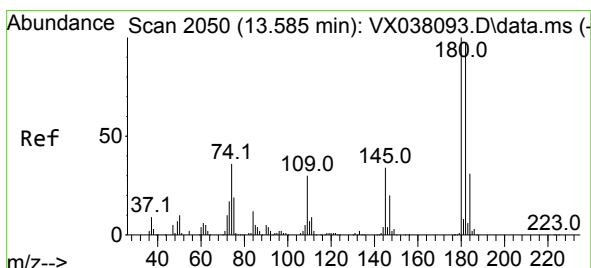
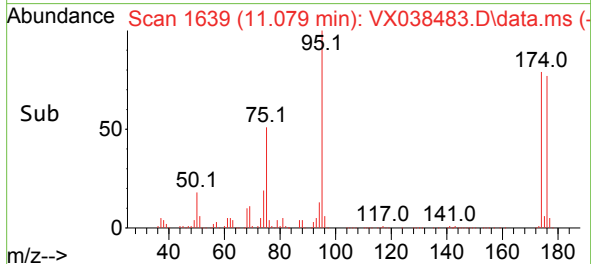
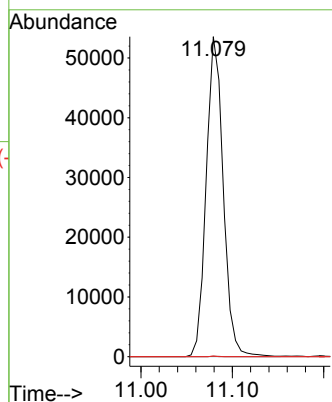
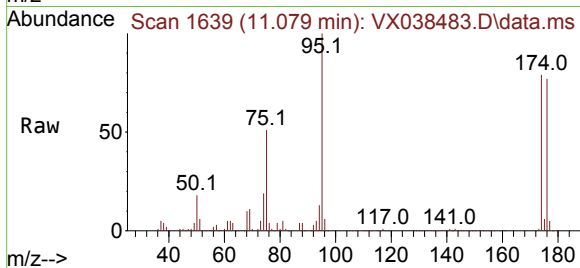




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.190 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

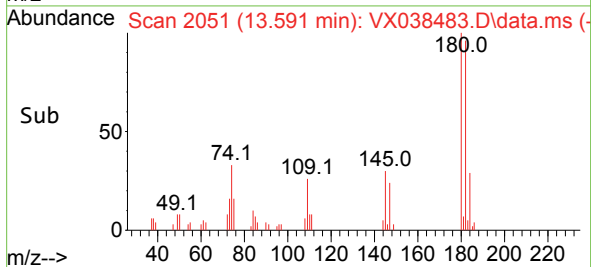
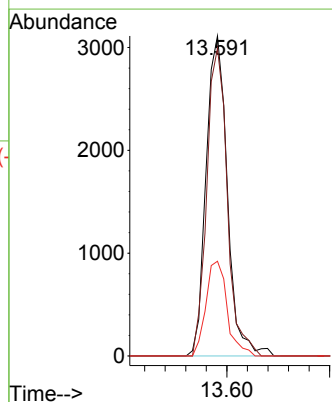
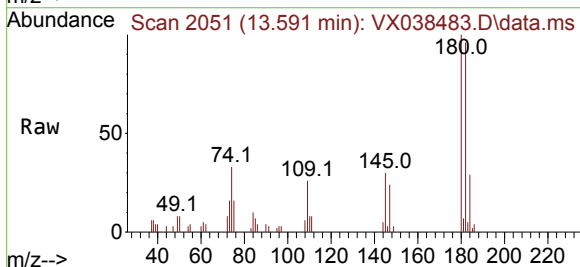
Instrument :
 MSVOA_X
 ClientSampleId :

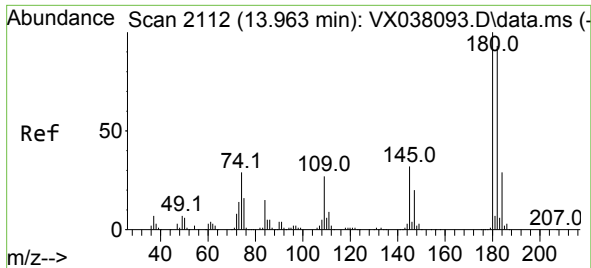
Tgt Ion: 75 Resp: 69096
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.1 36.9 55.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.347 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

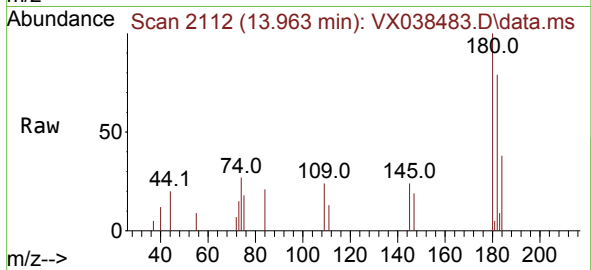
Tgt Ion:180 Resp: 4468
 Ion Ratio Lower Upper
 180 100
 182 92.9 48.3 144.8
 145 29.6 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.419 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038483.D
 Acq: 25 Oct 2023 16:30

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	46.9	140.6
145	34.9	17.8	53.5

