

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038961.D
 Acq On : 20 Nov 2023 16:14
 Operator : JC/MD
 Sample : 05431-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 21 00:22:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

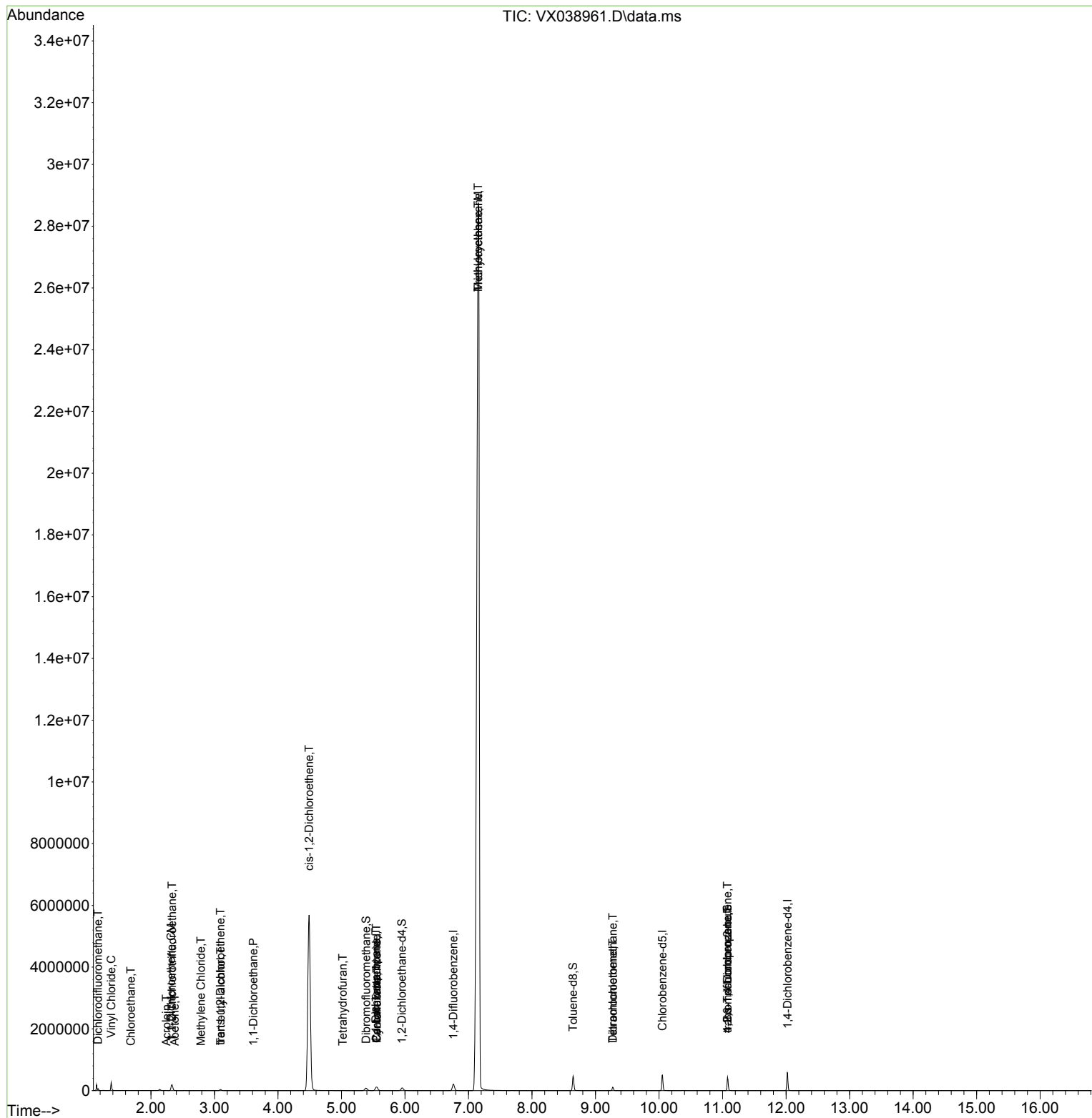
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	107306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85454	49.422	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.840%
35) Dibromofluoromethane	5.385	113	71050	44.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.240%
50) Toluene-d8	8.647	98	277946	45.626	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.260%#
62) 4-Bromofluorobenzene	11.079	95	122764	50.342	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29274	23.381	ug/l	100
4) Vinyl Chloride	1.374	62	159150	101.100	ug/l	99
6) Chloroethane	1.685	64	439	0.489	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	59475	44.896	ug/l	96
11) Tert butyl alcohol	3.099	59	815	1.695	ug/l	96
12) 1,1-Dichloroethene	2.319	96	21782	16.286	ug/l	98
13) Acrolein	2.239	56	86	0.338	ug/l #	81
16) Acetone	2.374	43	1640	1.782	ug/l #	50
20) Methylene Chloride	2.788	84	973	0.586	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	14723	9.977	ug/l	99
24) 1,1-Dichloroethane	3.611	63	807	0.294	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	3541424	2058.785	ug/l	87
29) Tetrahydrofuran	5.019	42	1620	1.709	ug/l #	92
31) Cyclohexane	5.556	56	2894	1.172	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	9978	4.373	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12119	5.746	ug/l #	15
39) Methylcyclohexane	7.153	83	201343	67.642	ug/l #	1
44) Trichloroethene	7.153	130	13152304	8005.712	ug/l	99
60) Dibromochloromethane	9.275	129	20080	11.300	ug/l #	11
64) Tetrachloroethene	9.275	164	18914	13.380	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	65635	22.300	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65635	49.464	ug/l #	5

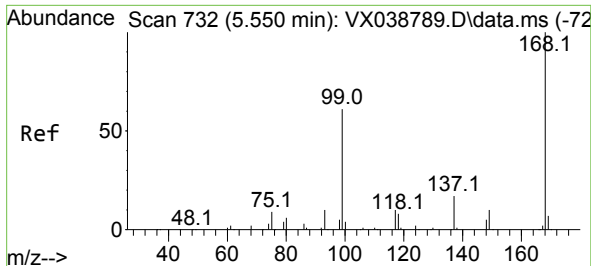
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX038961.D
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ClientSampleId :

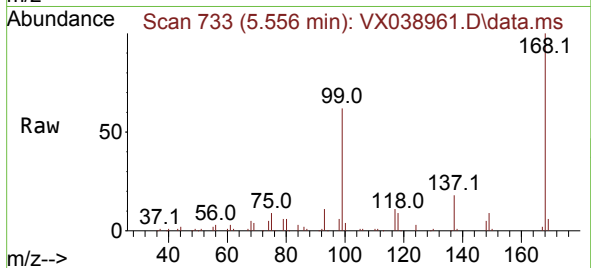
Quant Time: Nov 21 00:22:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



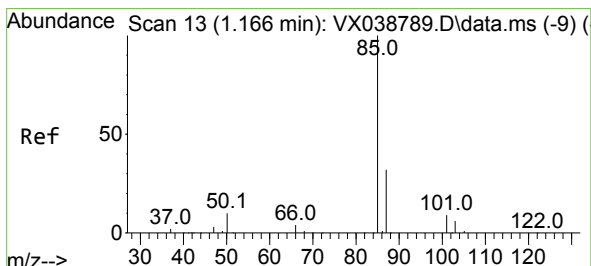
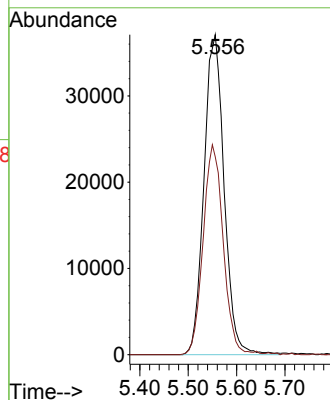
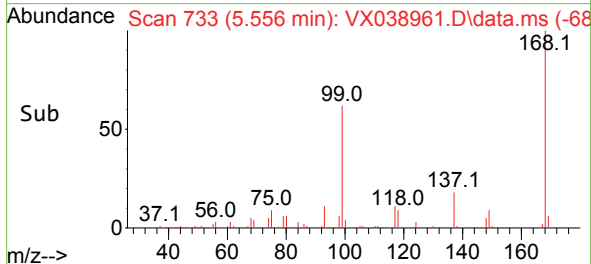


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

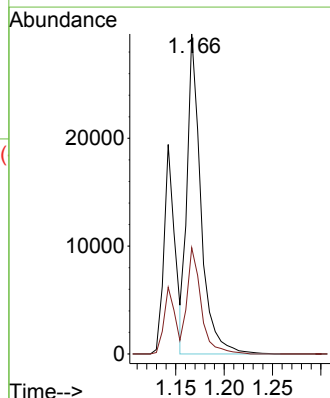
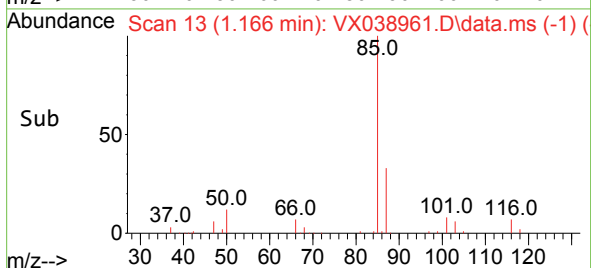
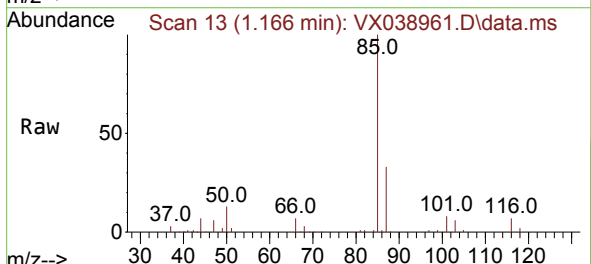


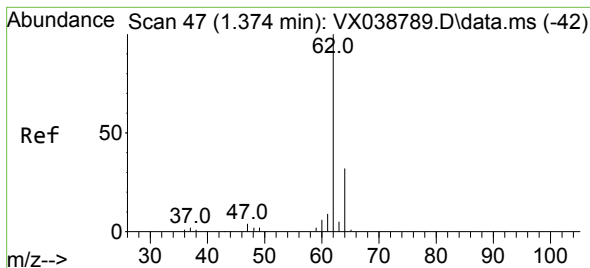
Tgt Ion:168 Resp: 107306
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 23.381 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Tgt Ion: 85 Resp: 29274
Ion Ratio Lower Upper
85 100
87 33.2 16.7 50.1





#4

Vinyl Chloride

Concen: 101.100 ug/l

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX038961.D

Acq: 20 Nov 2023 16:14

Instrument :

MSVOA_X

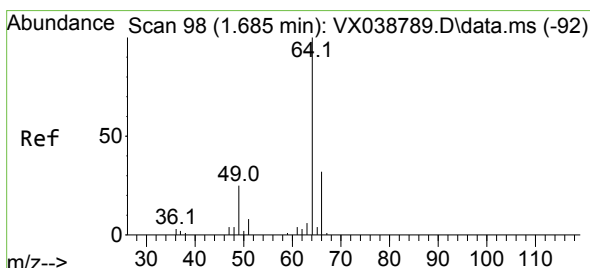
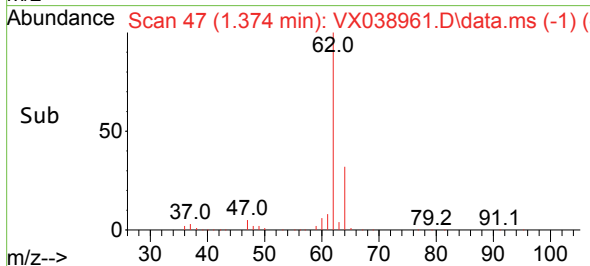
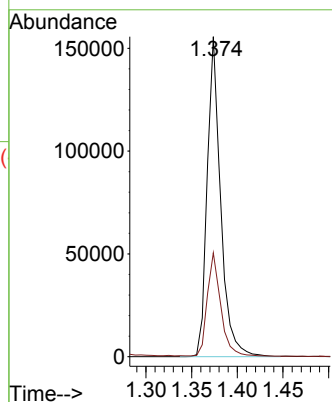
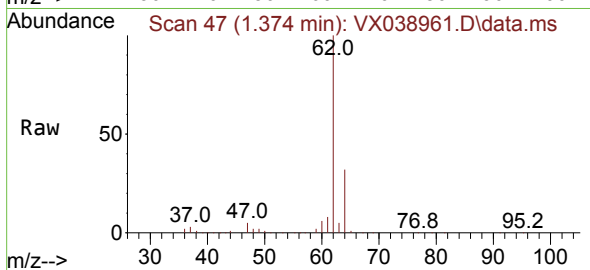
ClientSampleId :

Tgt Ion: 62 Resp: 159150

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0



#6

Chloroethane

Concen: 0.489 ug/l

RT: 1.685 min Scan# 98

Delta R.T. -0.000 min

Lab File: VX038961.D

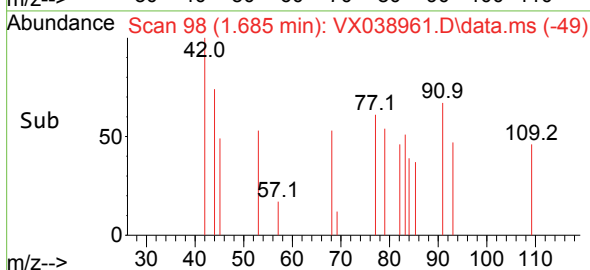
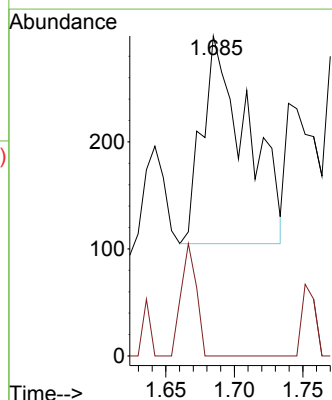
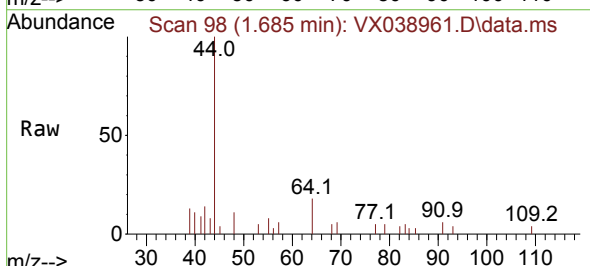
Acq: 20 Nov 2023 16:14

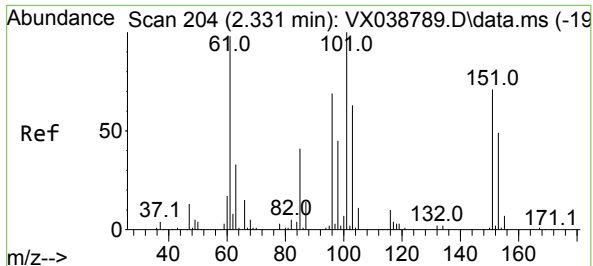
Tgt Ion: 64 Resp: 439

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

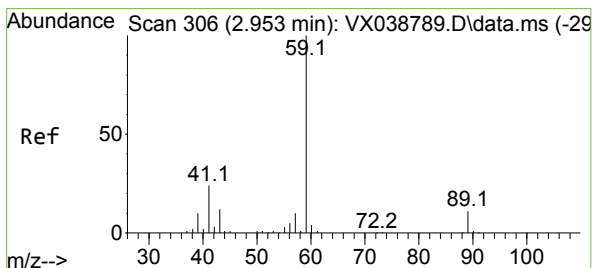
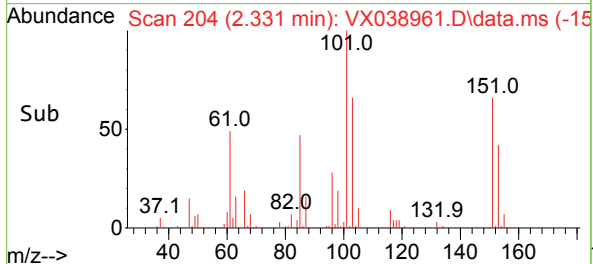
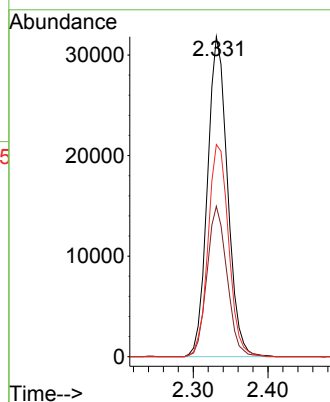
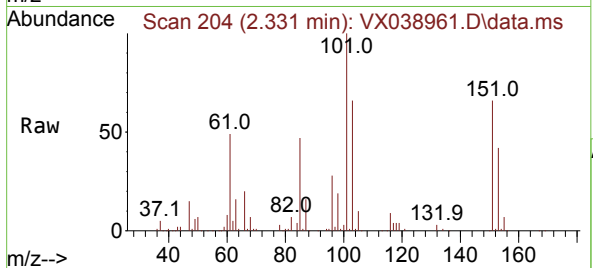




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.896 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

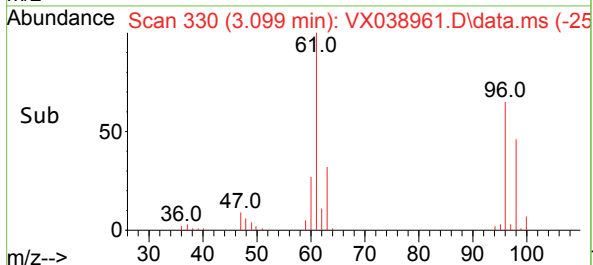
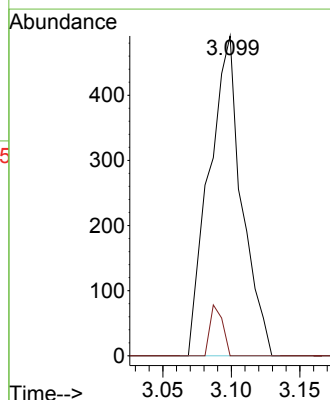
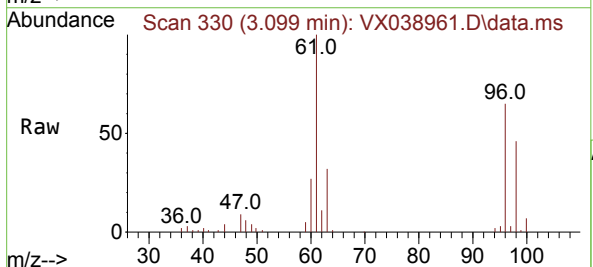
Instrument :
MSVOA_X
ClientSampleId :

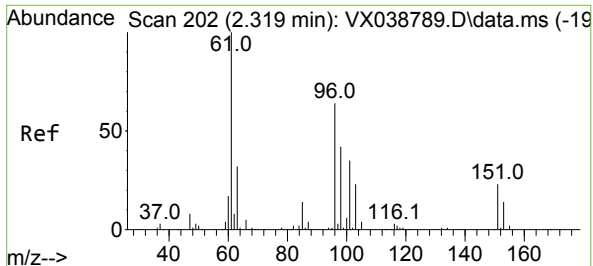
Tgt Ion:101 Resp: 59475
Ion Ratio Lower Upper
101 100
85 47.0 37.0 55.6
151 67.9 58.6 87.8



#11
Tert butyl alcohol
Concen: 1.695 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.146 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Tgt Ion: 59 Resp: 815
Ion Ratio Lower Upper
59 100
57 6.1 6.0 9.0





#12

1,1-Dichloroethene

Concen: 16.286 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX038961.D

Acq: 20 Nov 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :

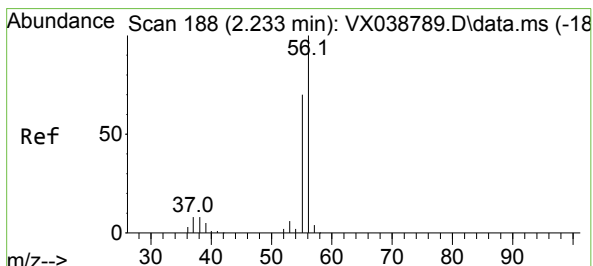
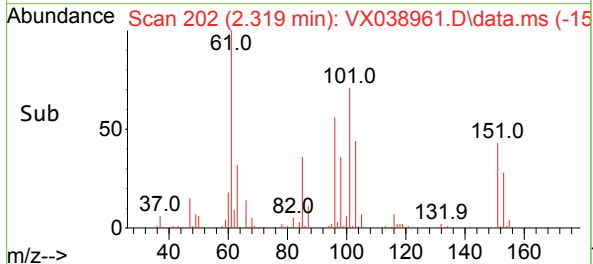
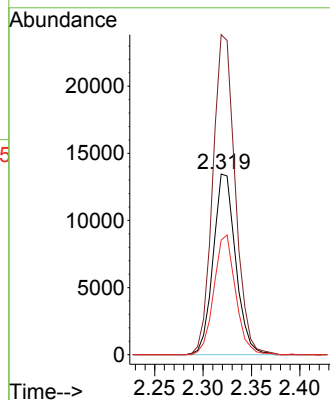
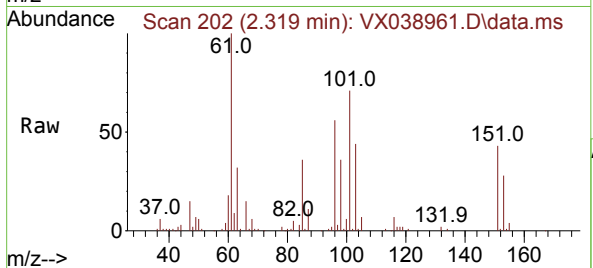
Tgt Ion: 96 Resp: 21782

Ion Ratio Lower Upper

96 100

61 177.1 144.6 216.8

98 63.4 50.4 75.6



#13

Acrolein

Concen: 0.338 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038961.D

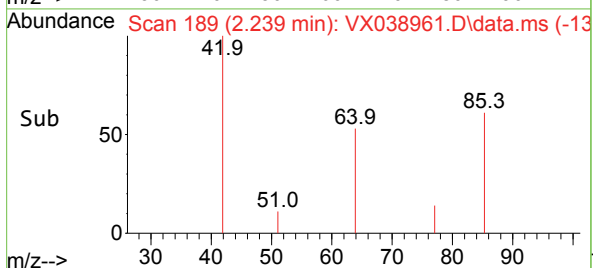
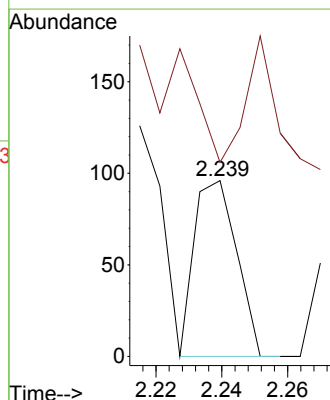
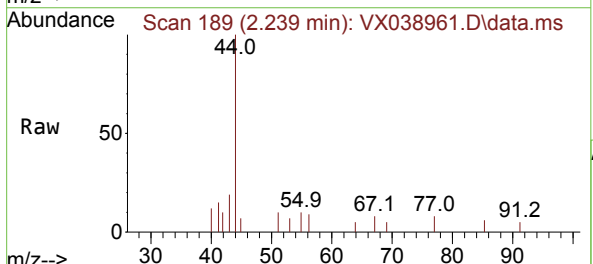
Acq: 20 Nov 2023 16:14

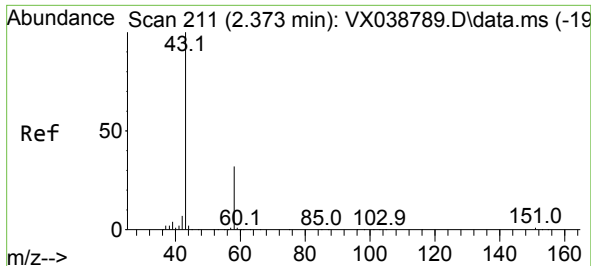
Tgt Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

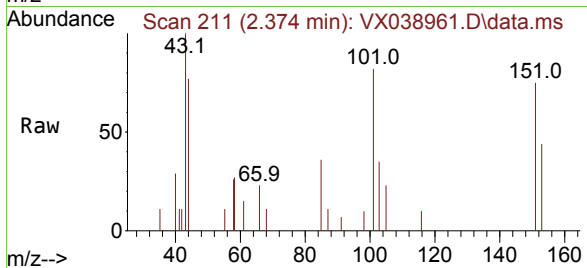
55 87.2 57.1 85.7#



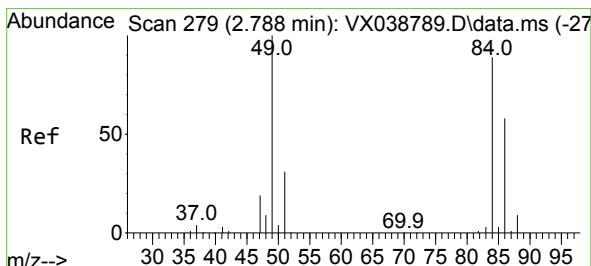
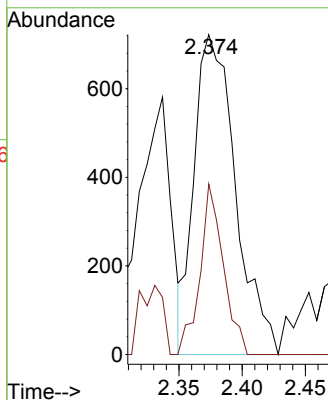
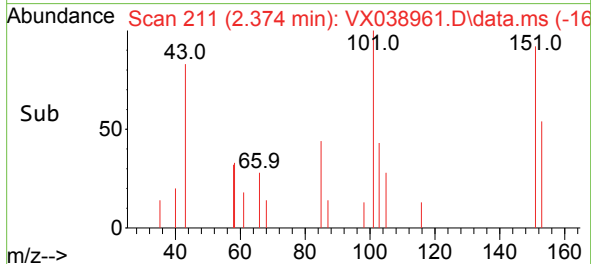


#16
Acetone
Concen: 1.782 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

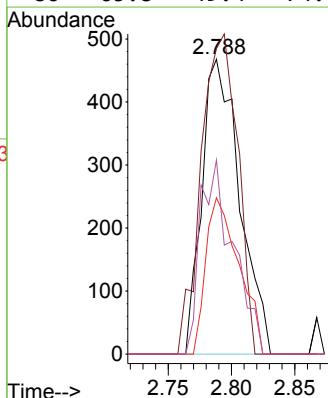
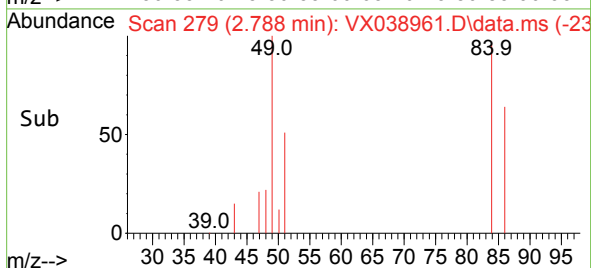
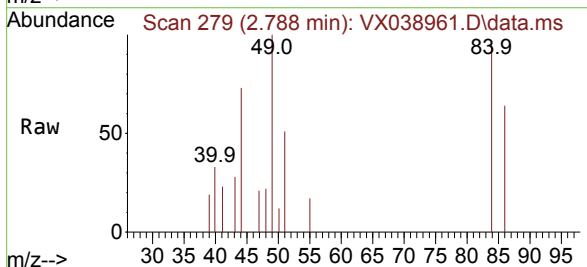


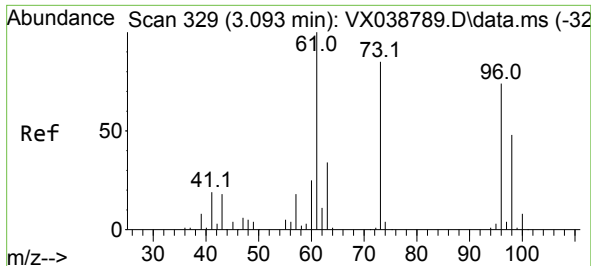
Tgt Ion: 43 Resp: 1640
Ion Ratio Lower Upper
43 100
58 53.3 21.9 32.9#



#20
Methylene Chloride
Concen: 0.586 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Tgt Ion: 84 Resp: 973
Ion Ratio Lower Upper
84 100
49 103.6 103.6 155.4
51 53.0 33.8 50.6#
86 65.8 49.4 74.0

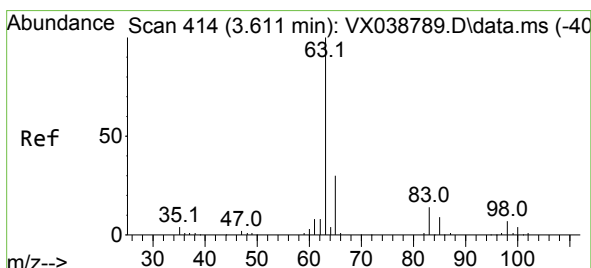
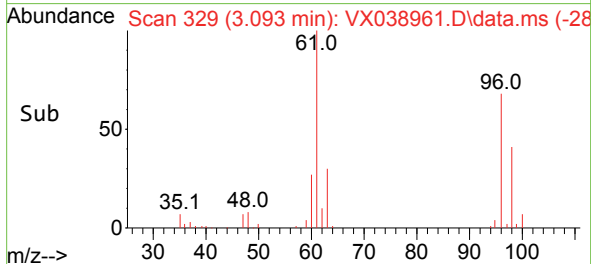
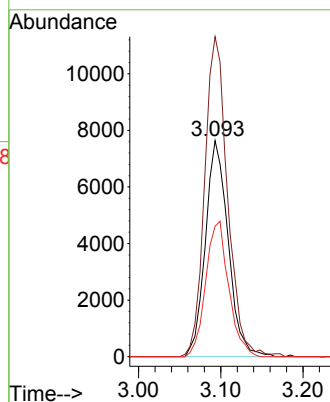
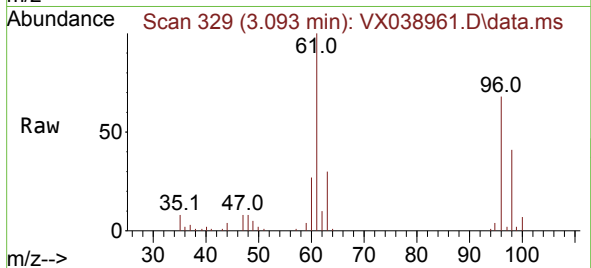




#21
trans-1,2-Dichloroethene
Concen: 9.977 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

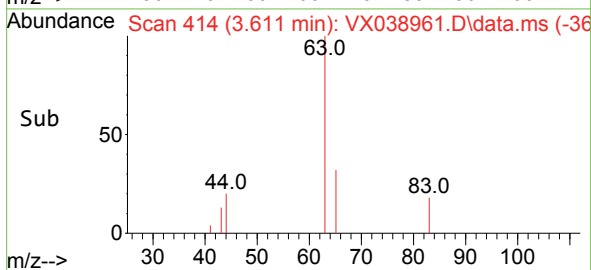
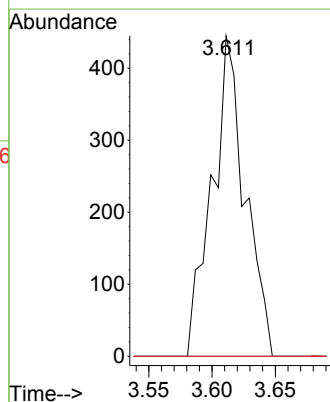
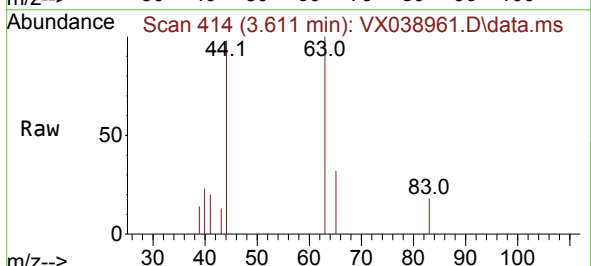
Instrument :
MSVOA_X
ClientSampleId :

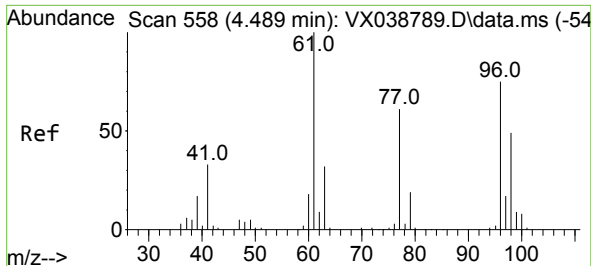
Tgt Ion: 96 Resp: 14723
Ion Ratio Lower Upper
96 100
61 148.1 119.2 178.8
98 60.4 48.7 73.1



#24
1,1-Dichloroethane
Concen: 0.294 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

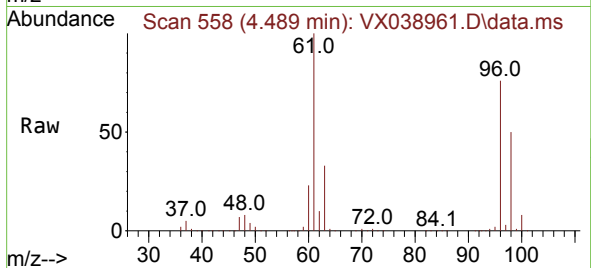
Tgt Ion: 63 Resp: 807
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#





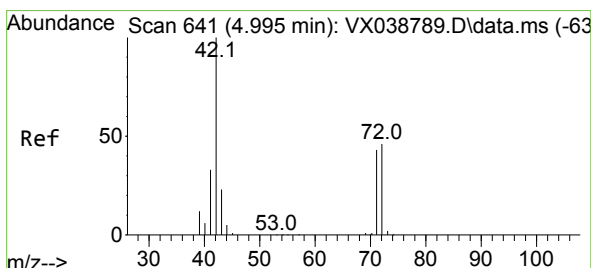
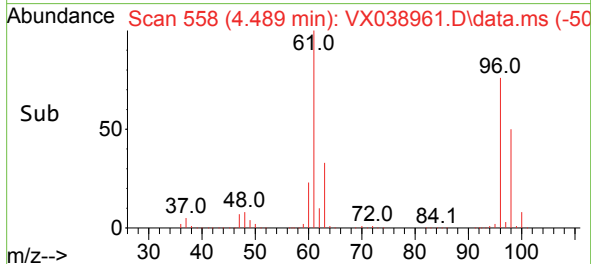
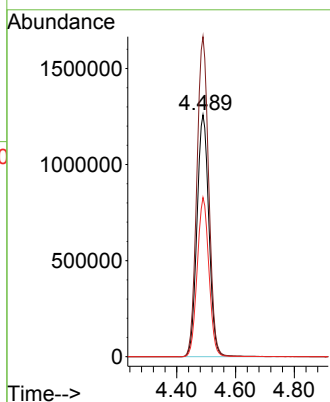
#27
 cis-1,2-Dichloroethene
 Concen: 2058.785 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX038961.D
 Acq: 20 Nov 2023 16:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 96 Resp: 3541424

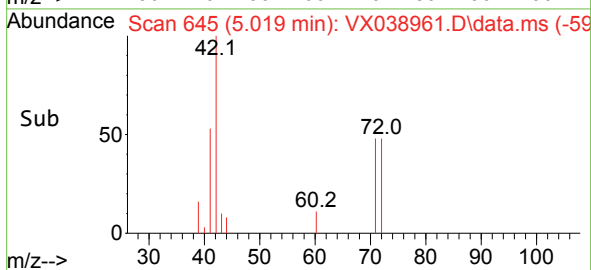
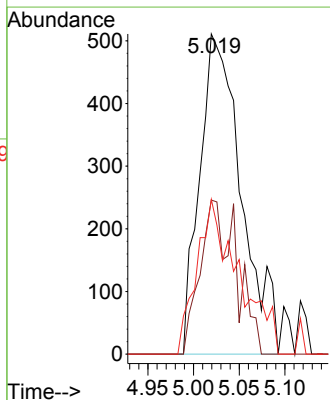
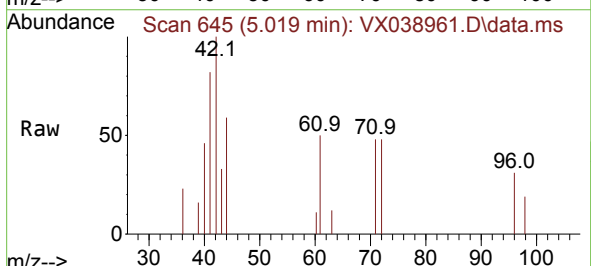
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	312.2
98	64.7	0.0	129.0

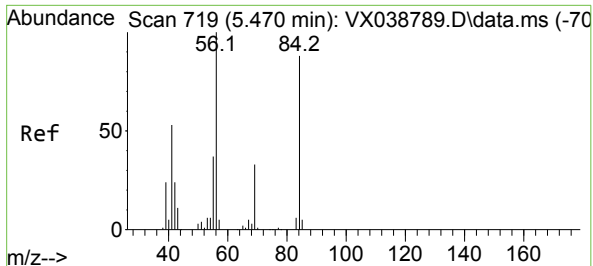


#29
 Tetrahydrofuran
 Concen: 1.709 ug/l
 RT: 5.019 min Scan# 645
 Delta R.T. 0.024 min
 Lab File: VX038961.D
 Acq: 20 Nov 2023 16:14

Tgt Ion: 42 Resp: 1620

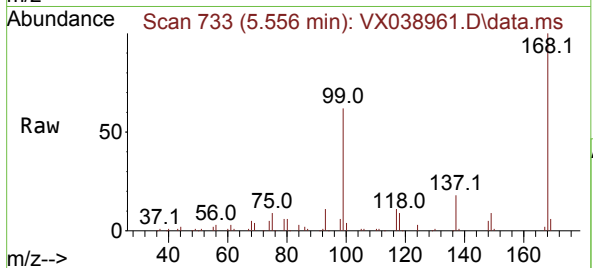
Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.2	51.4
71	48.6	32.2	48.2#



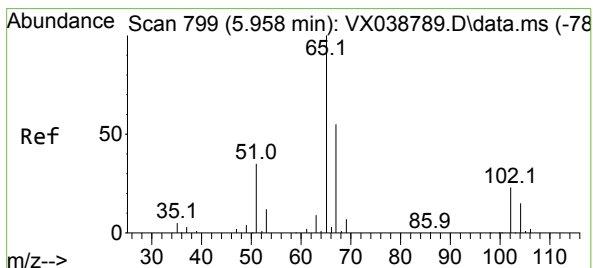
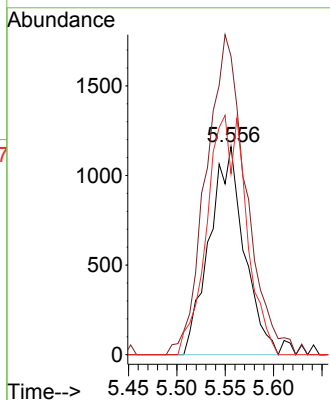
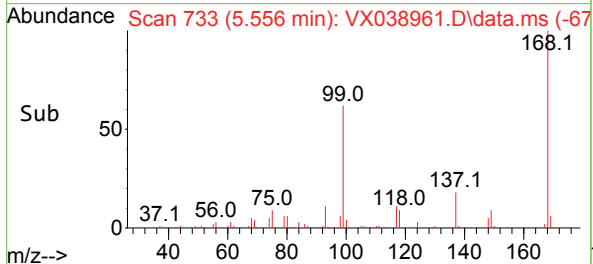


#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

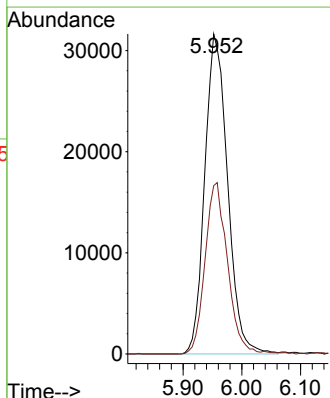
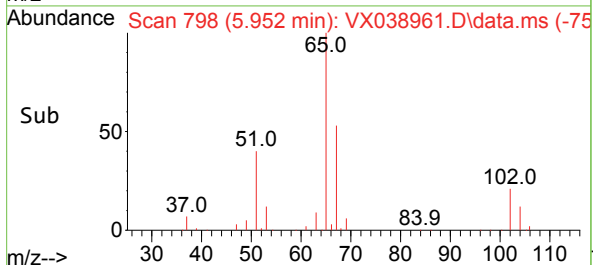
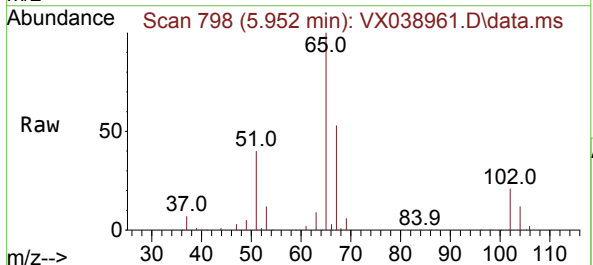


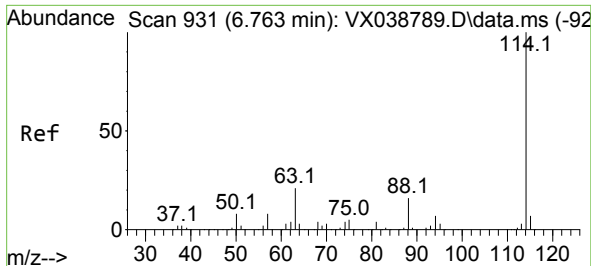
Tgt Ion: 56 Resp: 2894
Ion Ratio Lower Upper
56 100
69 138.2 23.4 35.2#
84 87.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 49.422 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Tgt Ion: 65 Resp: 85454
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

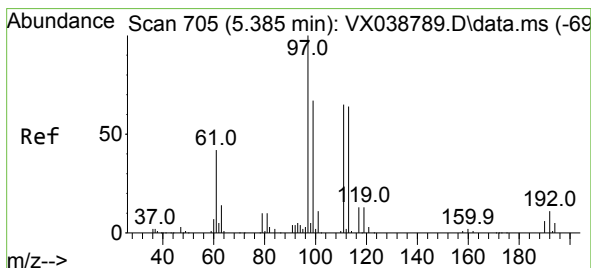
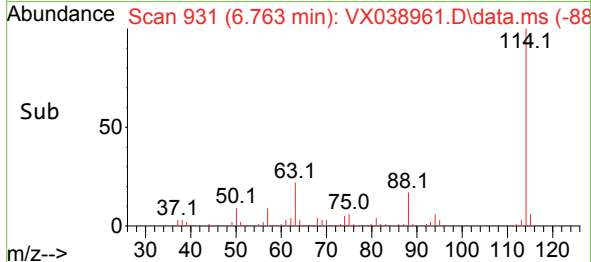
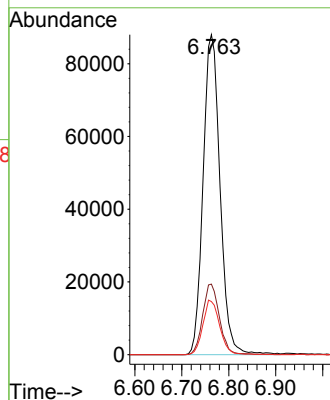
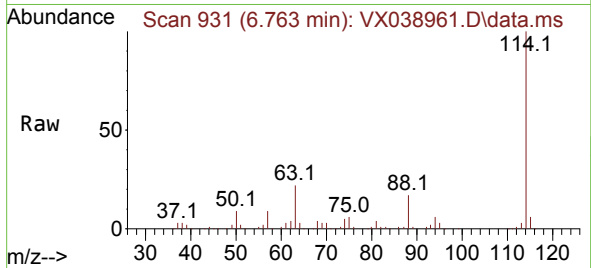




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

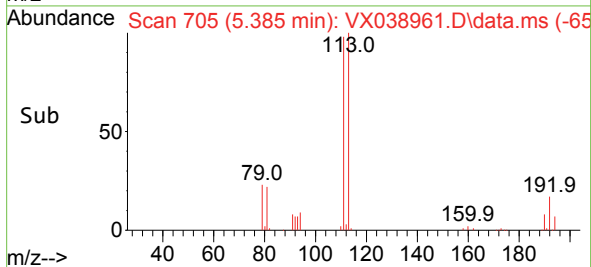
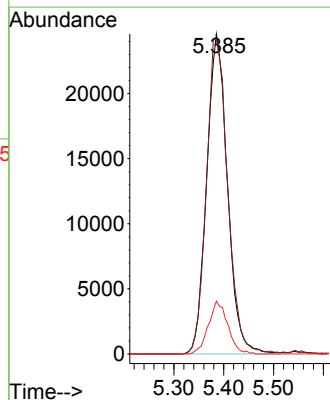
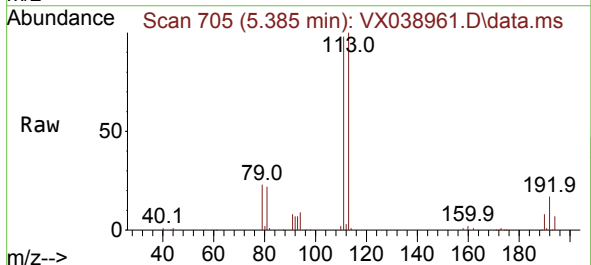
Instrument :
MSVOA_X
ClientSampleId :

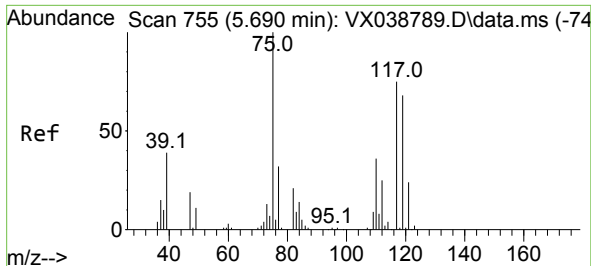
Tgt Ion:114 Resp: 220457
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.624 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

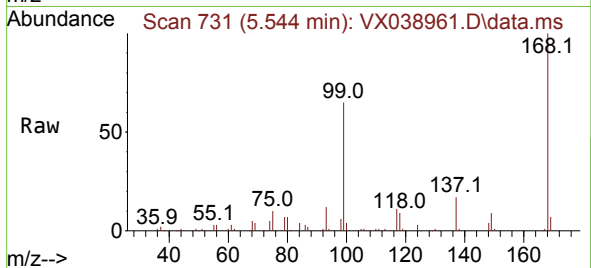
Tgt Ion:113 Resp: 71050
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 15.5 13.3 19.9



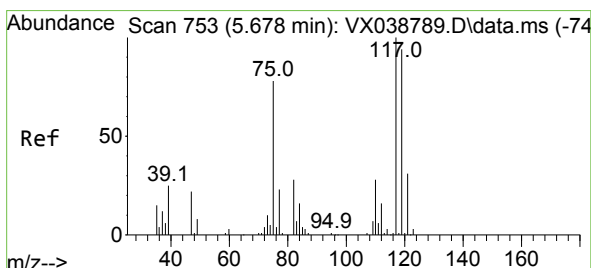
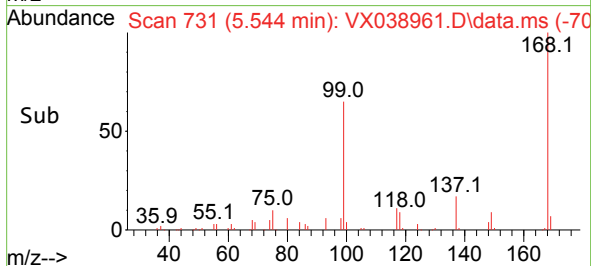
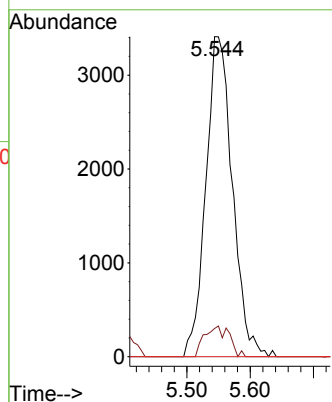


#36
 1,1-Dichloropropene
 Concen: 4.373 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX038961.D
 Acq: 20 Nov 2023 16:14

Instrument :
 MSVOA_X
 ClientSampleId :

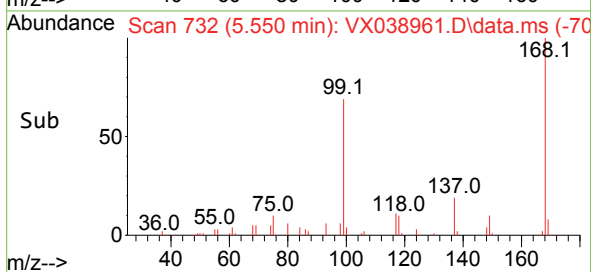
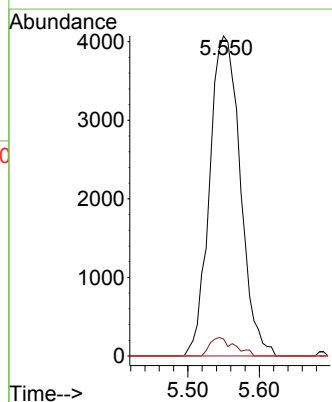
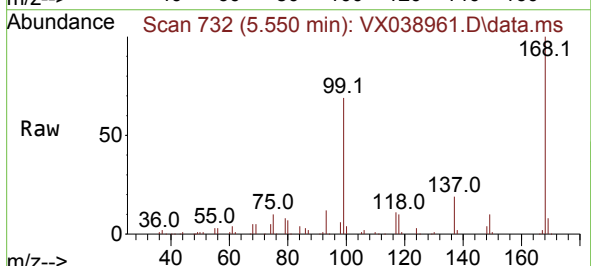


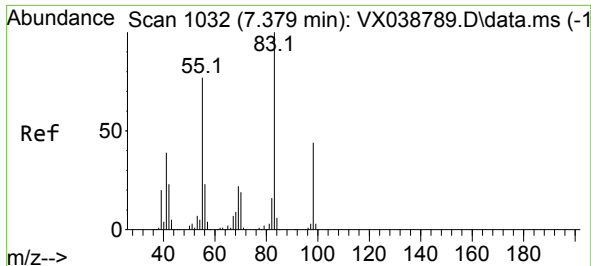
Tgt Ion: 75 Resp: 9978
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.746 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.128 min
 Lab File: VX038961.D
 Acq: 20 Nov 2023 16:14

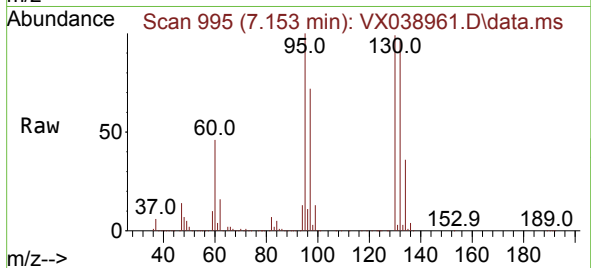
Tgt Ion: 117 Resp: 12119
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.2 117.2#
 121 0.0 24.4 36.6#



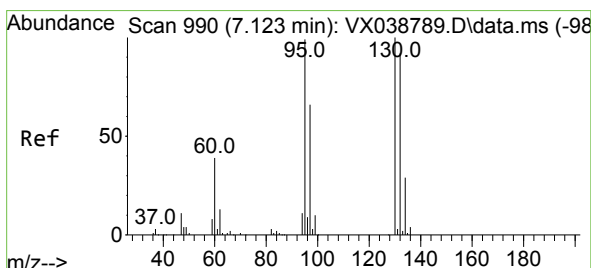
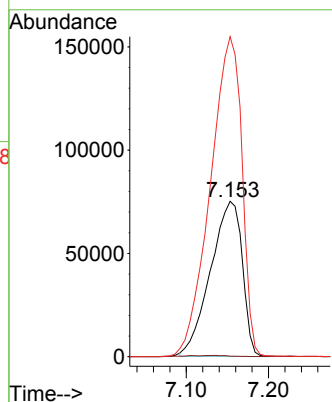
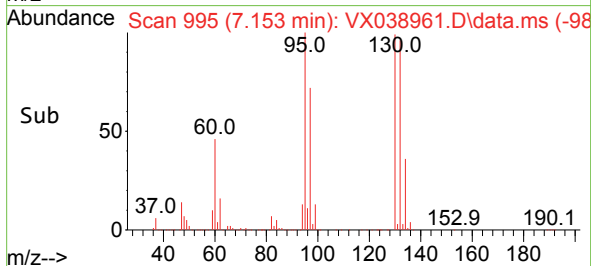


#39
Methylcyclohexane
Concen: 67.642 ug/l
RT: 7.153 min Scan# 995
Delta R.T. -0.225 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

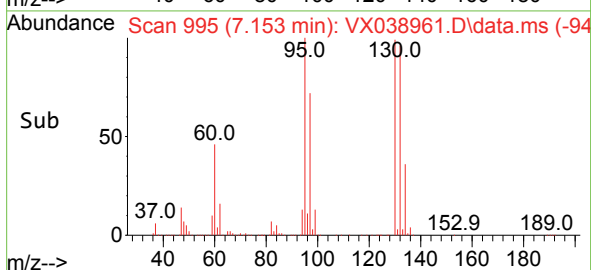
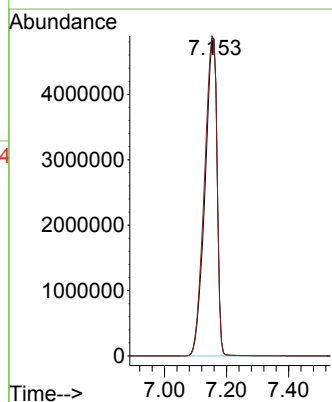
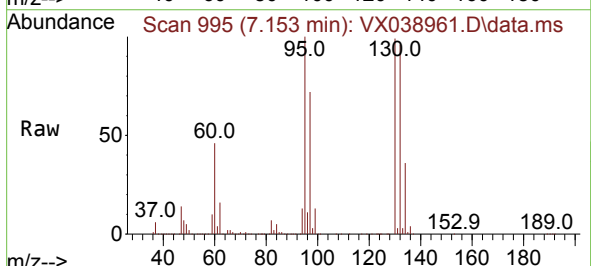


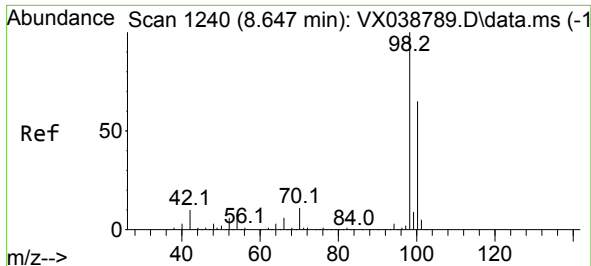
Tgt Ion: 83 Resp: 201343
Ion Ratio Lower Upper
83 100
55 0.2 64.6 97.0#
98 206.0 36.7 55.1#



#44
Trichloroethene
Concen: 8005.712 ug/l
RT: 7.153 min Scan# 995
Delta R.T. 0.031 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Tgt Ion:130 Resp:13152304
Ion Ratio Lower Upper
130 100
95 100.8 0.0 204.4

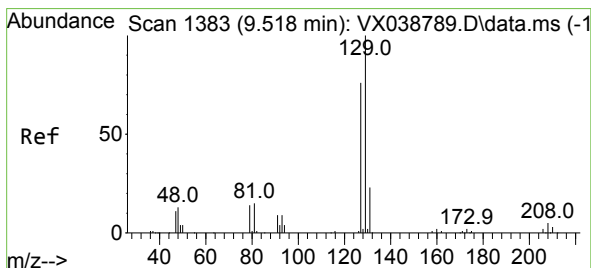
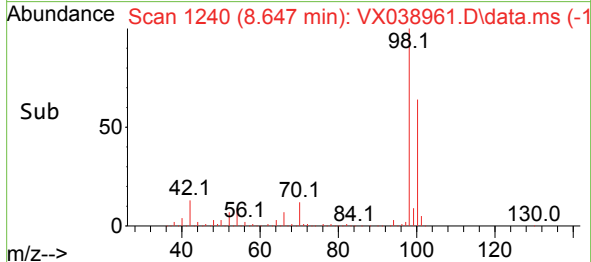
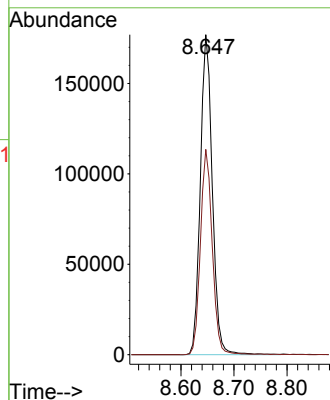
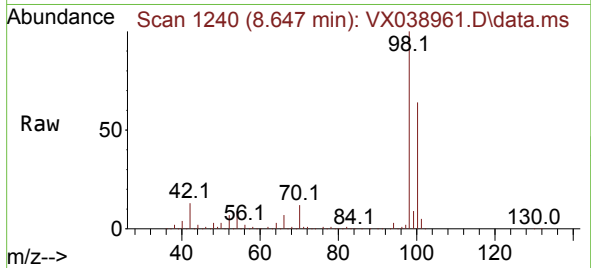




#50
Toluene-d8
Concen: 45.626 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

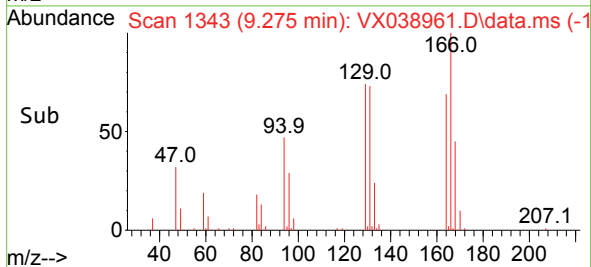
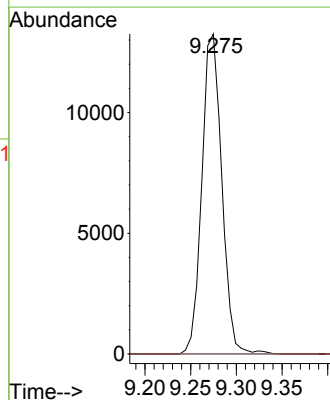
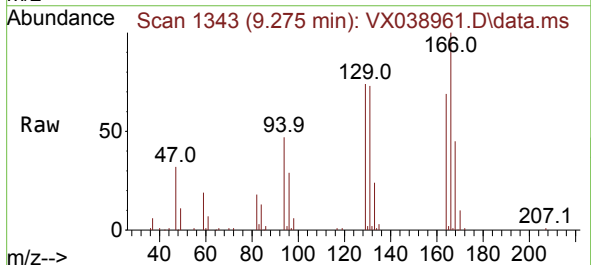
Instrument :
MSVOA_X
ClientSampleId :

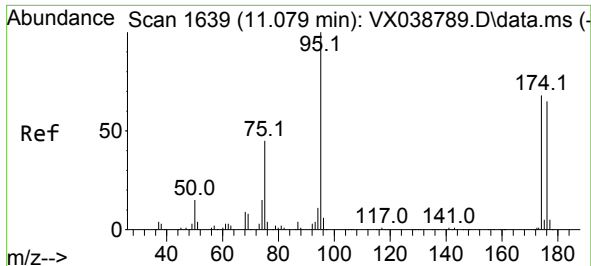
Tgt Ion: 98 Resp: 277946
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#60
Dibromochloromethane
Concen: 11.300 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Tgt Ion:129 Resp: 20080
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

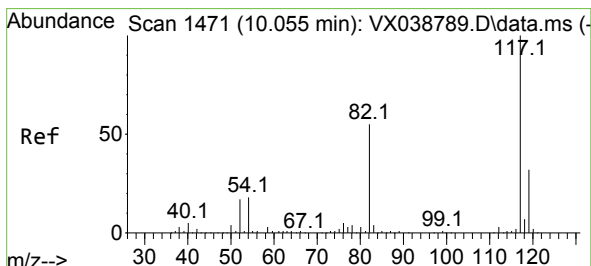
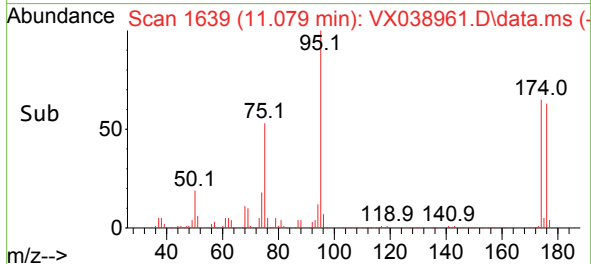
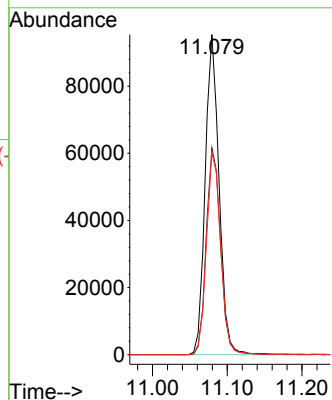
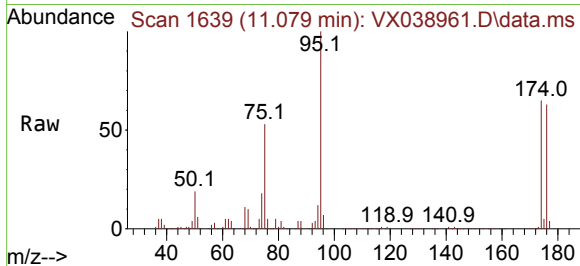




#62
4-Bromofluorobenzene
Concen: 50.342 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

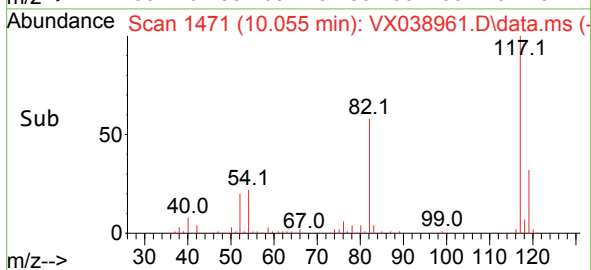
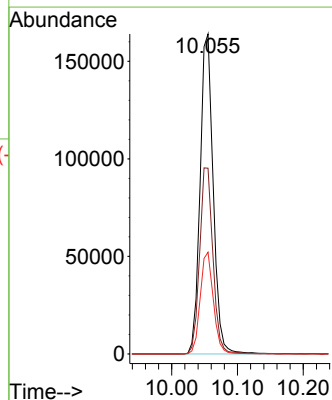
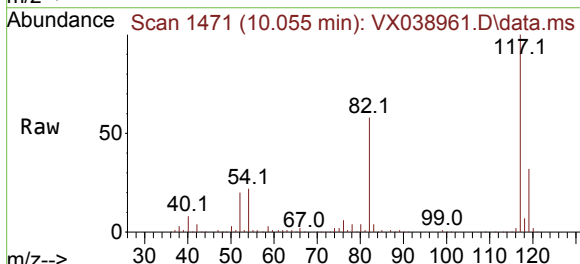
Instrument :
MSVOA_X
ClientSampleId :

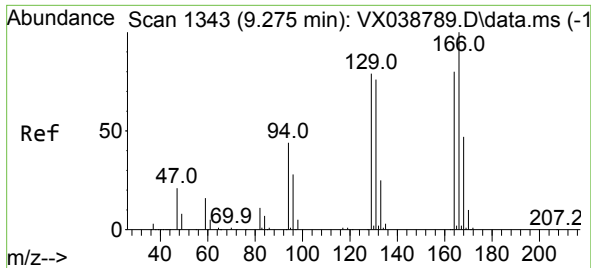
Tgt Ion: 95 Resp: 122764
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.6
176 64.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

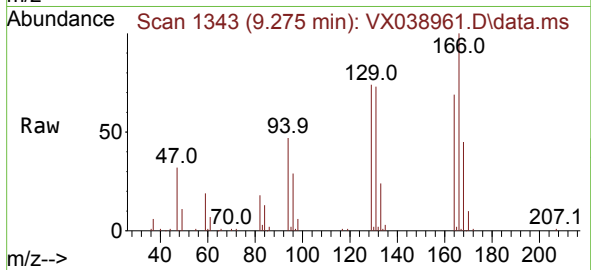
Tgt Ion: 117 Resp: 227428
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 31.8 25.5 38.3



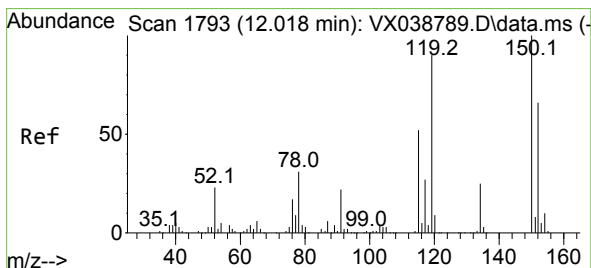
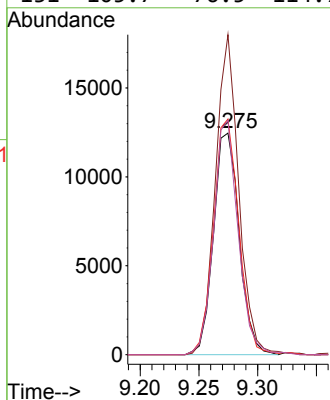
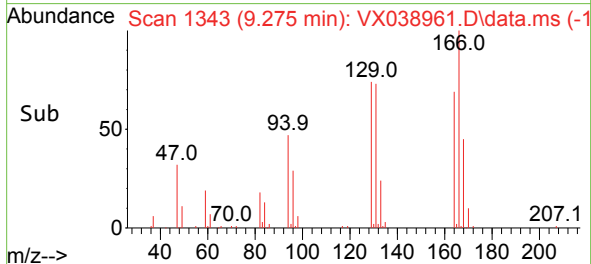


#64
Tetrachloroethene
Concen: 13.380 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

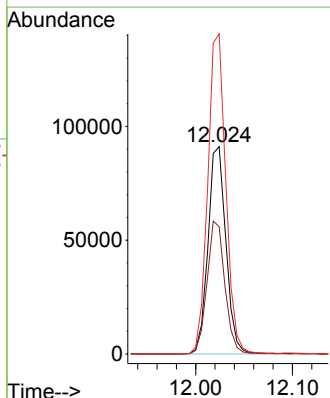
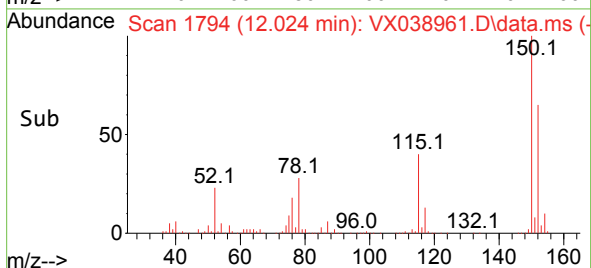
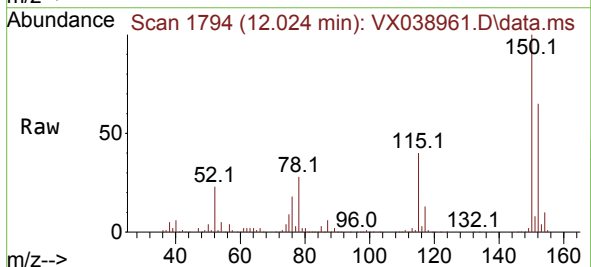


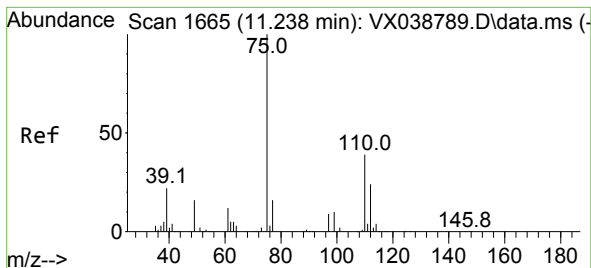
Tgt Ion:164 Resp: 18914
Ion Ratio Lower Upper
164 100
166 144.4 102.7 154.1
129 106.3 80.4 120.6
131 105.7 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038961.D
Acq: 20 Nov 2023 16:14

Tgt Ion:152 Resp: 117966
Ion Ratio Lower Upper
152 100
115 63.7 43.3 129.9
150 155.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.300 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038961.D

Acq: 20 Nov 2023 16:14

Instrument :

MSVOA_X

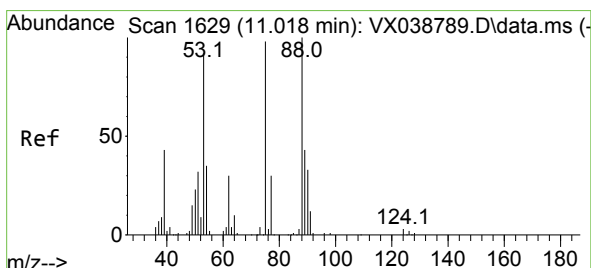
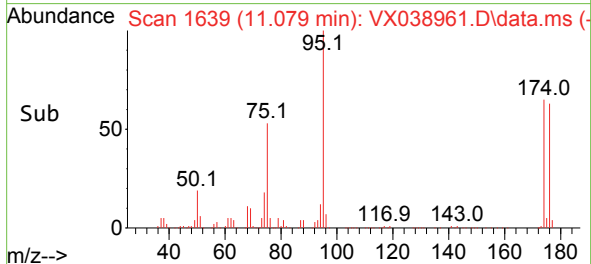
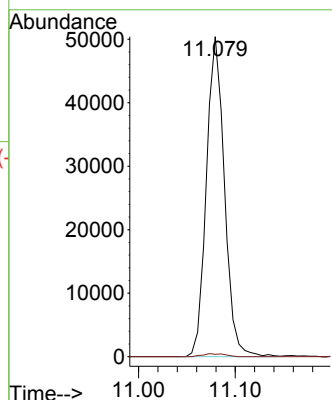
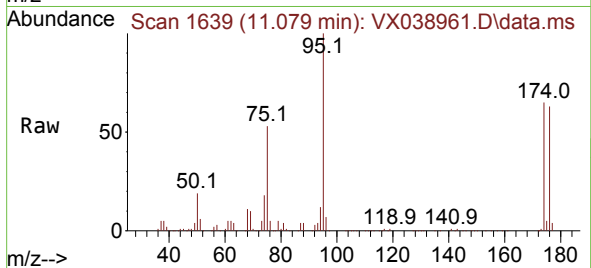
ClientSampleId :

Tgt Ion: 75 Resp: 65635

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038961.D

Acq: 20 Nov 2023 16:14

Tgt Ion: 75 Resp: 65635

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

