

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102323\
 Data File : VX038429.D
 Acq On : 23 Oct 2023 13:55
 Operator : JC/MD
 Sample : 05007-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 00:01:48 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)

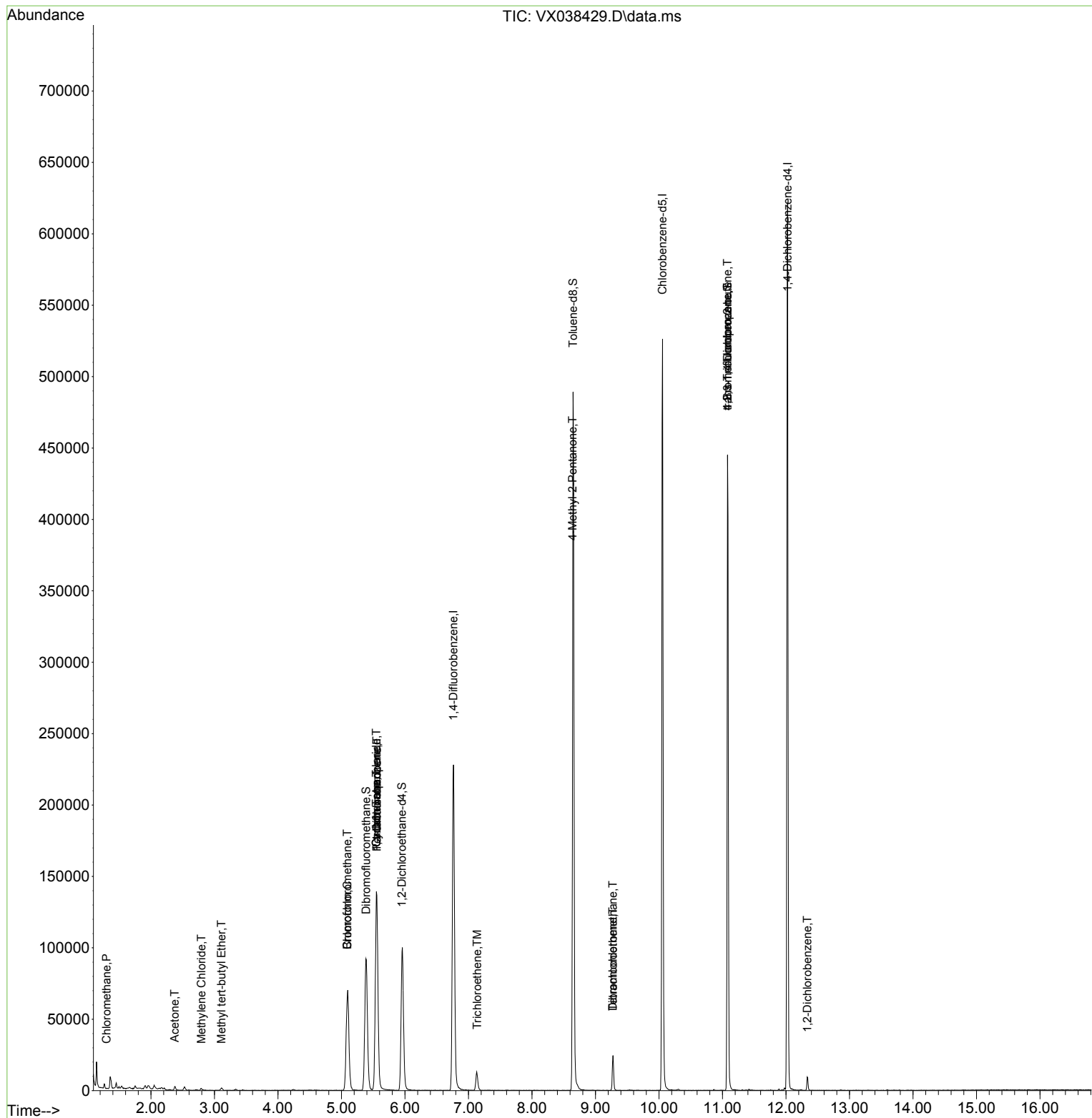
Internal Standards						
1) Pentafluorobenzene	5.556	168	134390	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	240375	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95080	43.986	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.980%
35) Dibromofluoromethane	5.385	113	80604	46.537	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.080%
50) Toluene-d8	8.647	98	297938	45.015	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.040%#
62) 4-Bromofluorobenzene	11.079	95	114620	45.680	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	415	0.314	ug/l	# 86
5) Bromomethane	1.575	94	20	Below Cal	#	3
6) Chloroethane	1.679	64	175	Below Cal	#	43
16) Acetone	2.374	43	2841	3.149	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	1386	0.283	ug/l	# 70
20) Methylene Chloride	2.794	84	622	0.367	ug/l	# 91
28) Bromochloromethane	5.093	49	6499	5.147	ug/l	# 16
30) Chloroform	5.093	83	82492	26.968	ug/l	98
31) Cyclohexane	5.550	56	3197	1.365	ug/l	# 6
36) 1,1-Dichloropropene	5.556	75	10508	4.399	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	13422	5.712	ug/l	# 15
44) Trichloroethene	7.135	130	4861	2.782	ug/l	83
51) 4-Methyl-2-Pentanone	8.641	43	1391	0.476	ug/l	# 1
60) Dibromochloromethane	9.275	129	4595	2.522	ug/l	# 11
64) Tetrachloroethene	9.275	164	4661	2.934	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	61313	20.819	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	61313	59.919	ug/l	# 5
91) 1,2-Dichlorobenzene	12.335	146	3249	0.793	ug/l	96

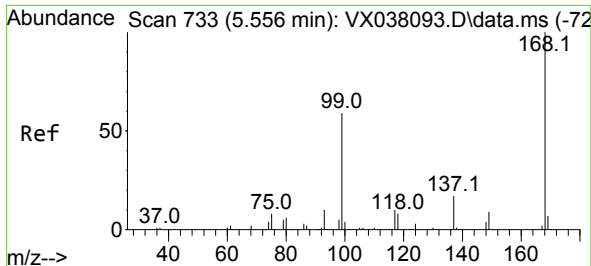
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

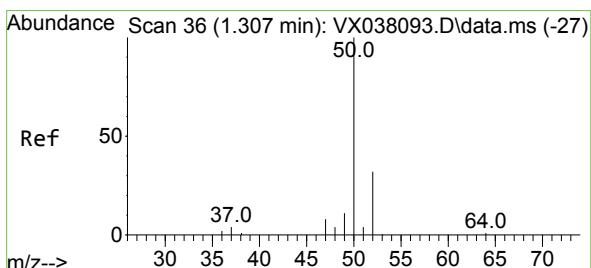
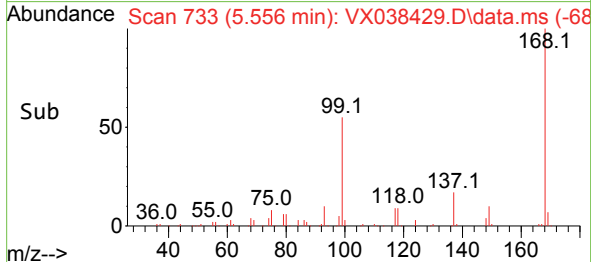
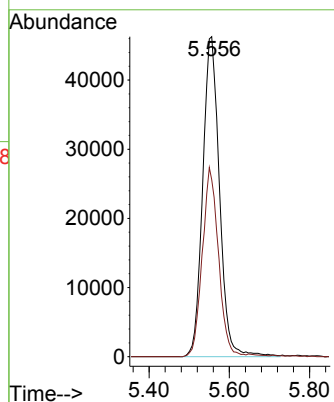
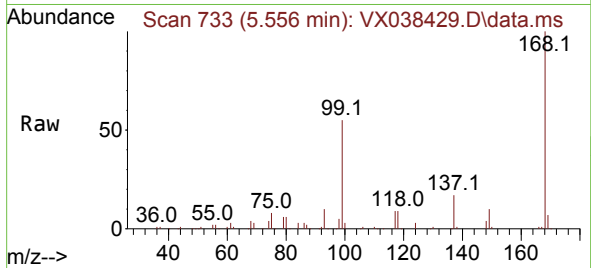




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

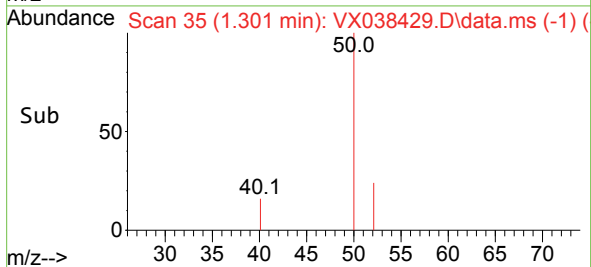
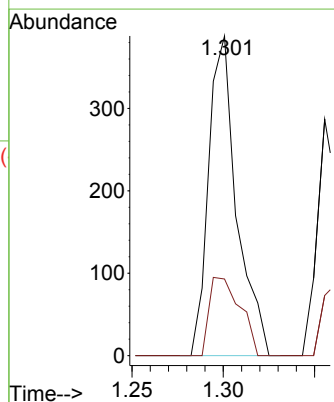
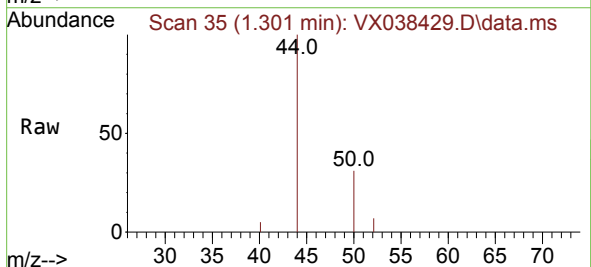
Instrument :
MSVOA_X
ClientSampleId :

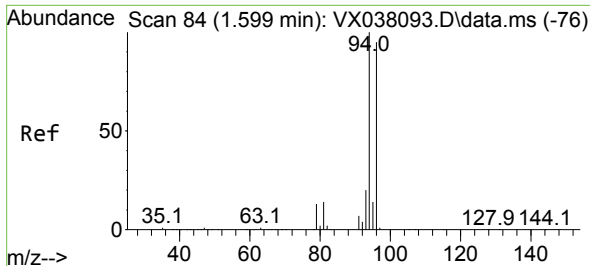
Tgt Ion:168 Resp: 134390
Ion Ratio Lower Upper
168 100
99 55.3 56.6 85.0#



#3
Chloromethane
Concen: 0.314 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Tgt Ion: 50 Resp: 415
Ion Ratio Lower Upper
50 100
52 24.0 25.5 38.3#

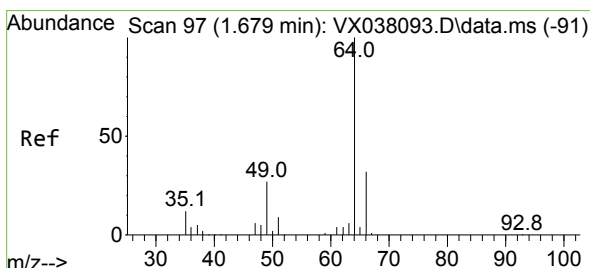
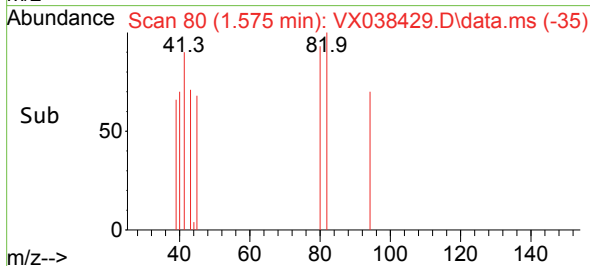
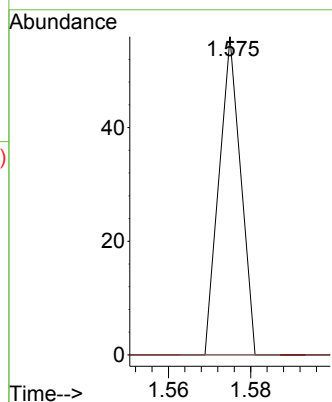
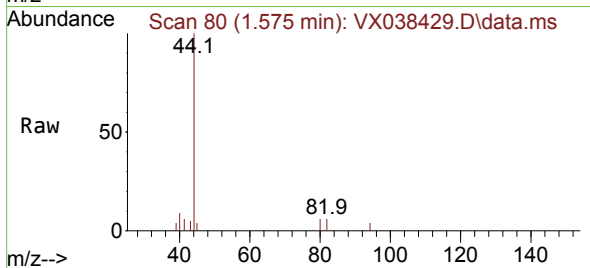




#5
Bromomethane
Concen: Below Cal
RT: 1.575 min Scan# 80
Delta R.T. -0.024 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

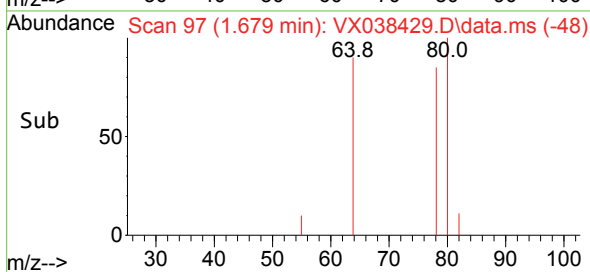
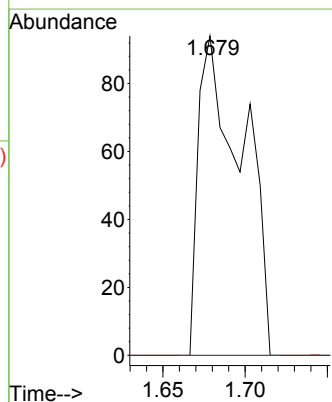
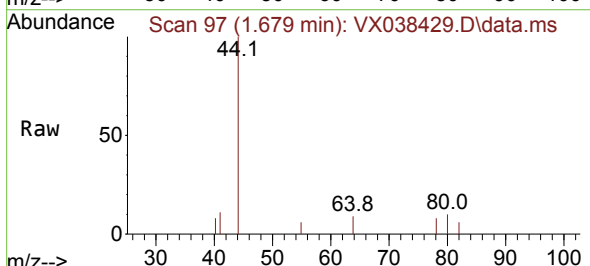
Instrument :
MSVOA_X
ClientSampleId :

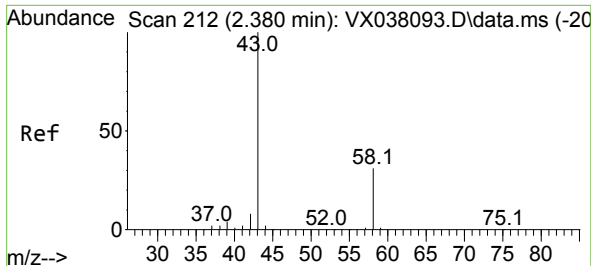
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Tgt Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#16

Acetone

Concen: 3.149 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX038429.D

Acq: 23 Oct 2023 13:55

Instrument :

MSVOA_X

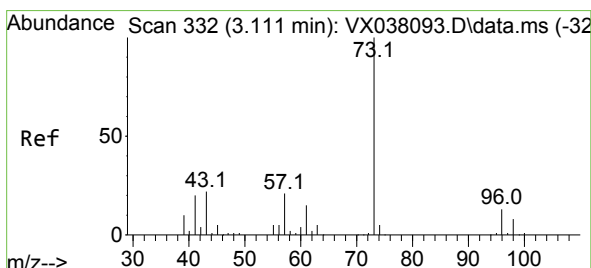
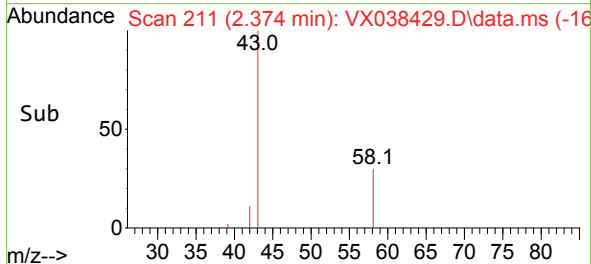
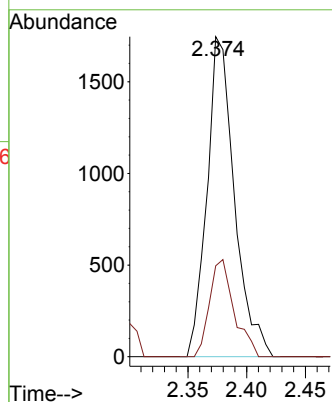
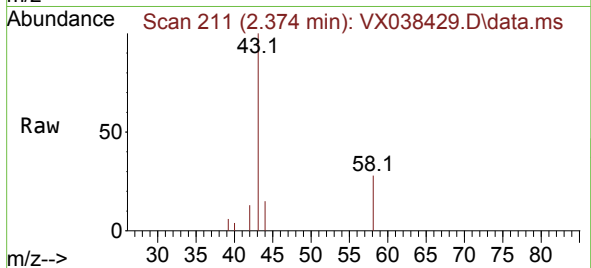
ClientSampleId :

Tgt Ion: 43 Resp: 2841

Ion Ratio Lower Upper

43 100

58 28.4 21.9 32.9



#19

Methyl tert-butyl Ether

Concen: 0.283 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX038429.D

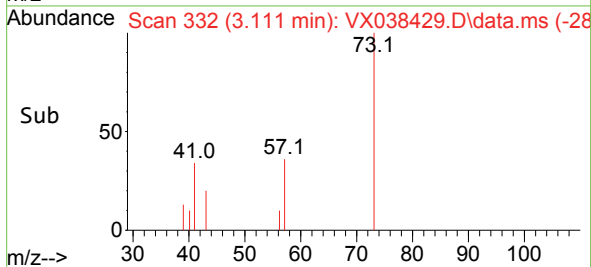
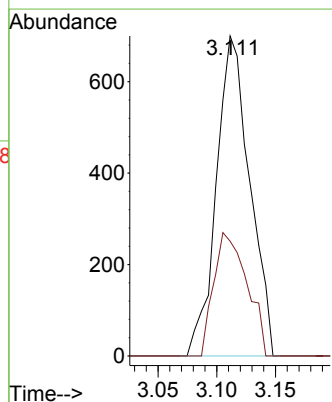
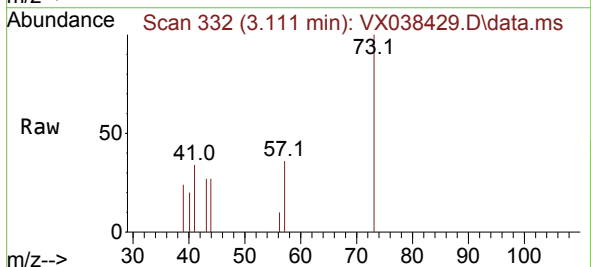
Acq: 23 Oct 2023 13:55

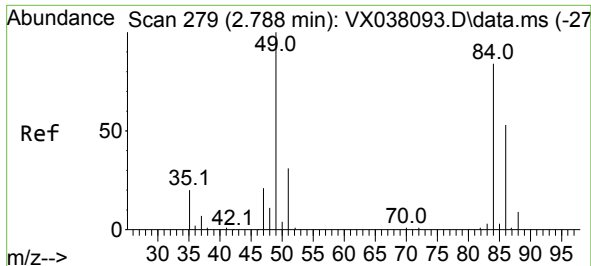
Tgt Ion: 73 Resp: 1386

Ion Ratio Lower Upper

73 100

57 35.9 17.3 25.9#





#20

Methylene Chloride

Concen: 0.367 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

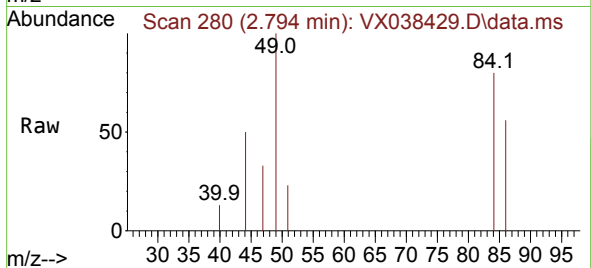
Lab File: VX038429.D

Acq: 23 Oct 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 622

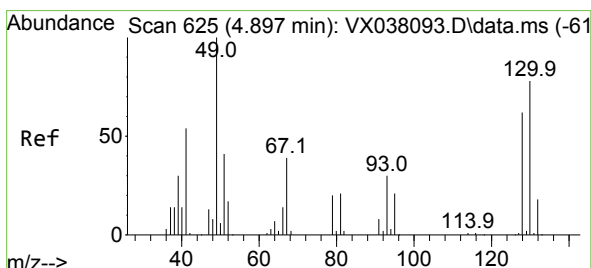
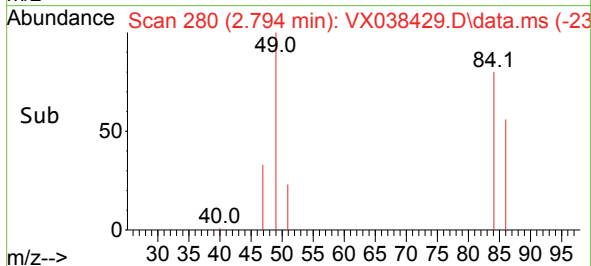
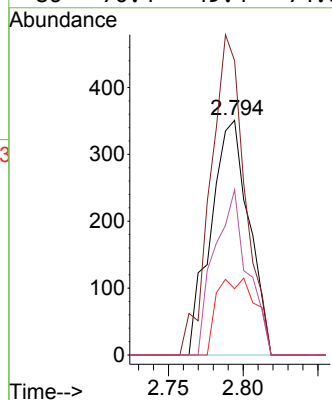
Ion Ratio Lower Upper

84 100

49 125.4 103.6 155.4

51 28.2 33.8 50.6#

86 70.4 49.4 74.0



#28

Bromochloromethane

Concen: 5.147 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.196 min

Lab File: VX038429.D

Acq: 23 Oct 2023 13:55

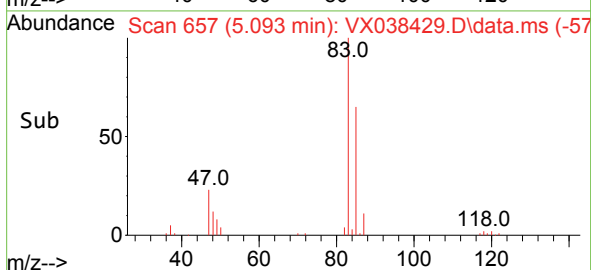
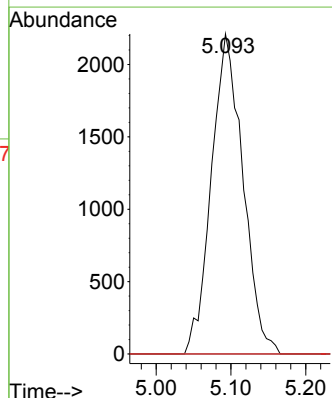
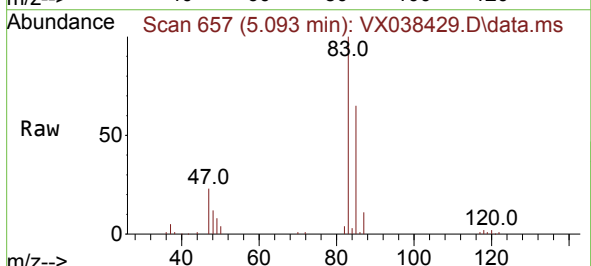
Tgt Ion: 49 Resp: 6499

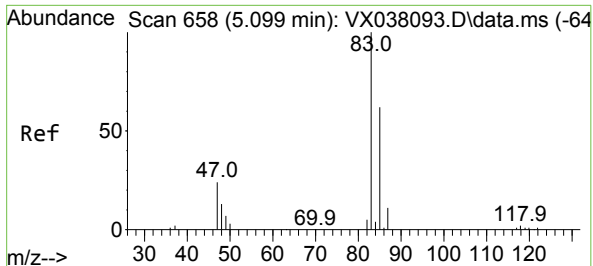
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#





#30

Chloroform

Concen: 26.968 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX038429.D

Acq: 23 Oct 2023 13:55

Instrument :

MSVOA_X

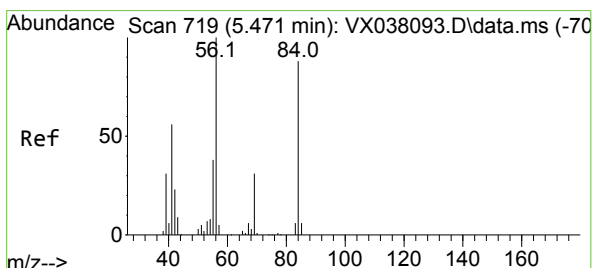
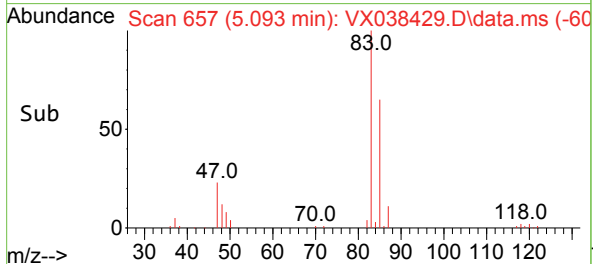
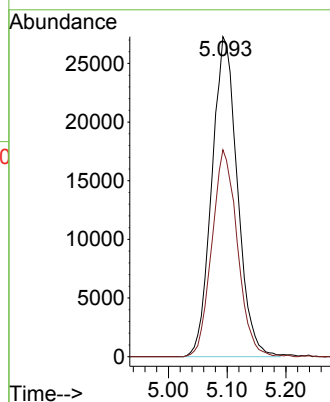
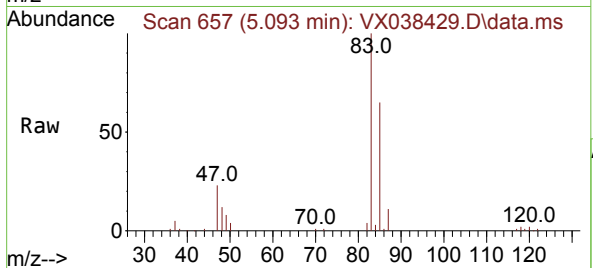
ClientSampleId :

Tgt Ion: 83 Resp: 82492

Ion Ratio Lower Upper

83 100

85 64.7 50.3 75.5



#31

Cyclohexane

Concen: 1.365 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038429.D

Acq: 23 Oct 2023 13:55

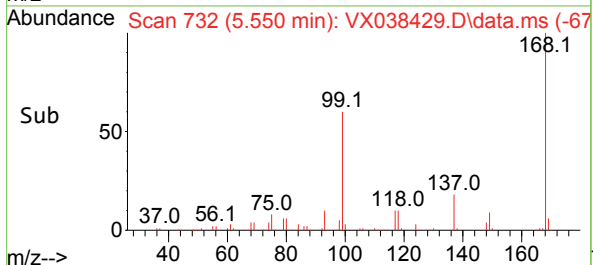
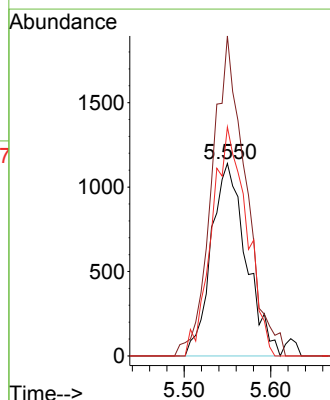
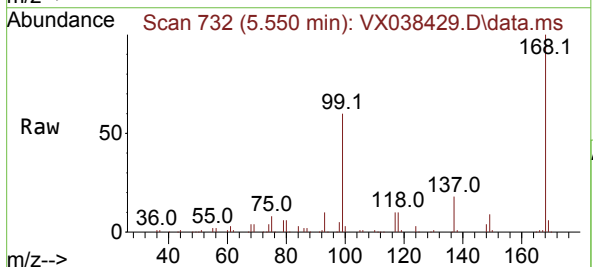
Tgt Ion: 56 Resp: 3197

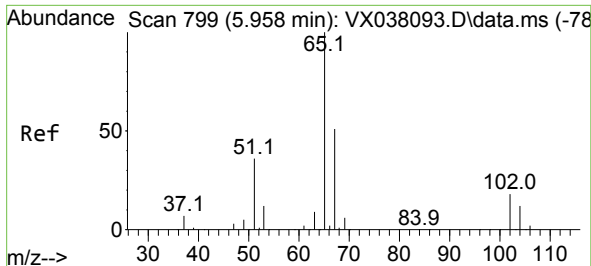
Ion Ratio Lower Upper

56 100

69 160.4 23.4 35.2#

84 118.9 65.9 98.9#

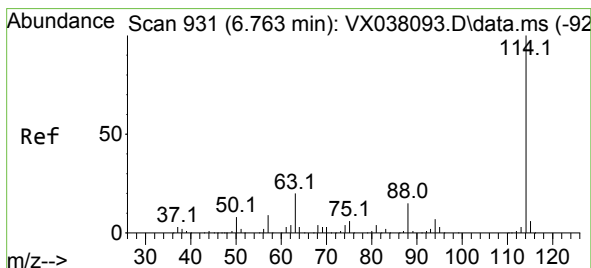
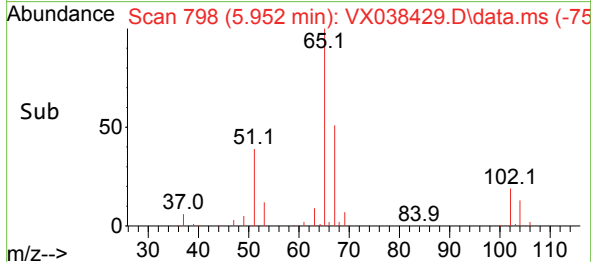
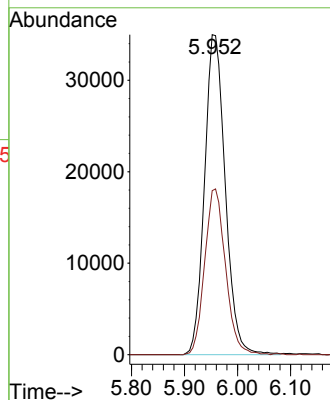
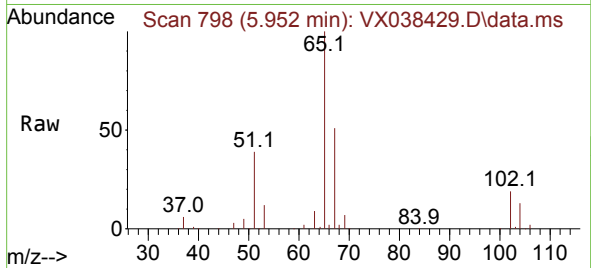




#33
 1,2-Dichloroethane-d4
 Concen: 43.986 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX038429.D
 Acq: 23 Oct 2023 13:55

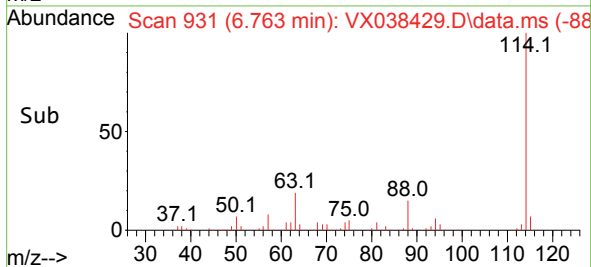
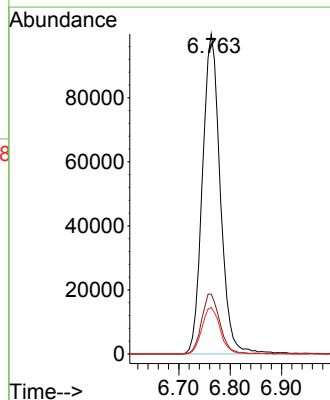
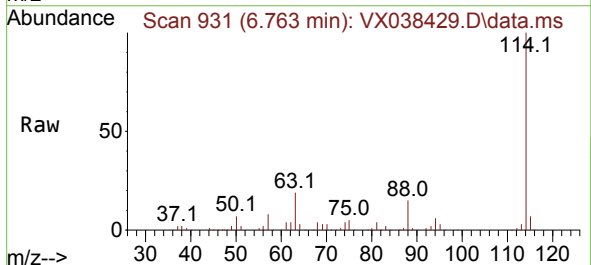
Instrument :
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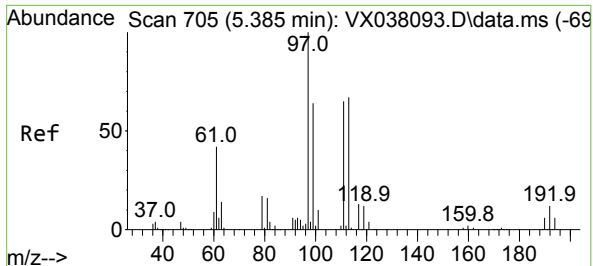
Tgt Ion: 65 Resp: 95080
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038429.D
 Acq: 23 Oct 2023 13:55

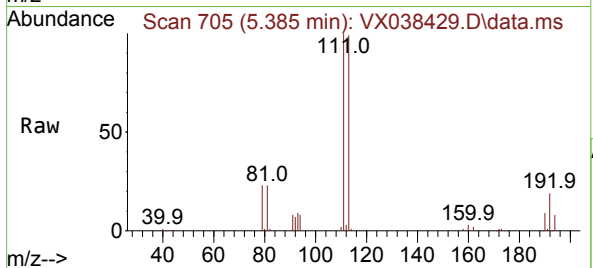
Tgt Ion:114 Resp: 240375
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 45.0
 88 14.6 0.0 36.6



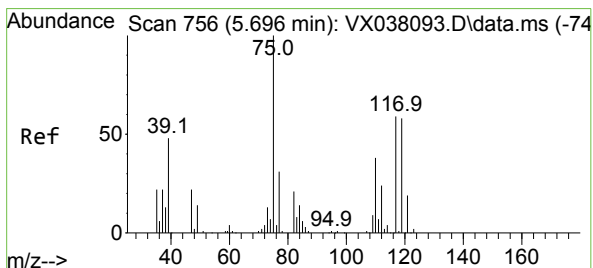
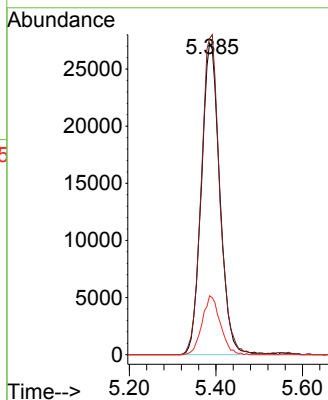
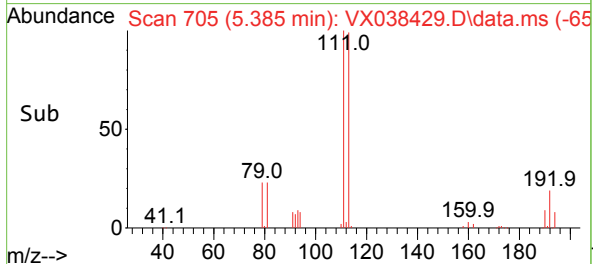


#35
Dibromofluoromethane
Concen: 46.537 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

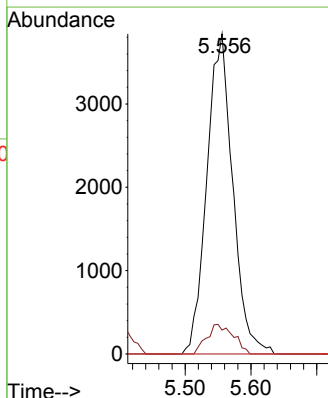
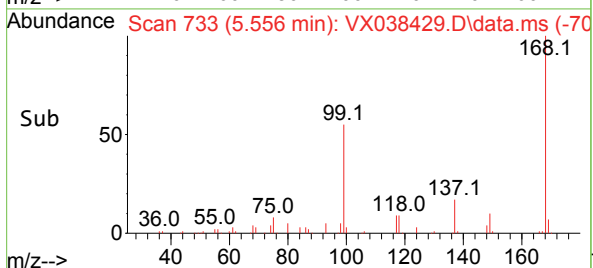
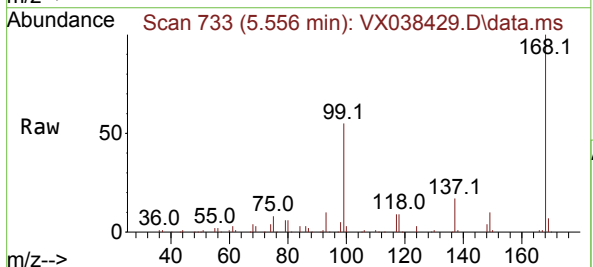


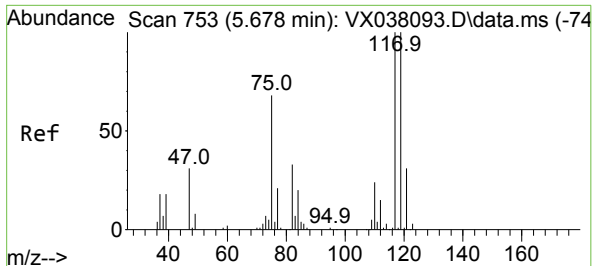
Tgt Ion:113 Resp: 80604
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.399 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

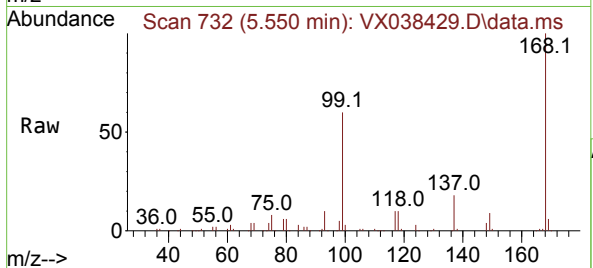
Tgt Ion: 75 Resp: 10508
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



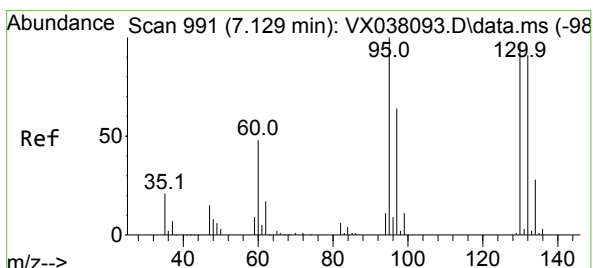
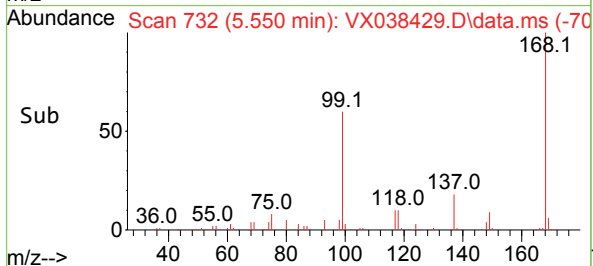
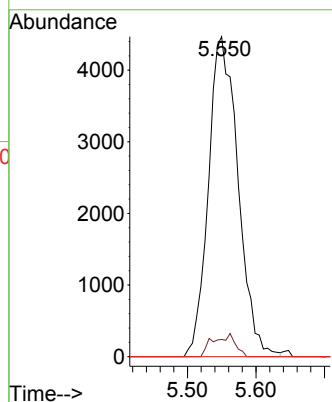


#38
Carbon Tetrachloride
Concen: 5.712 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

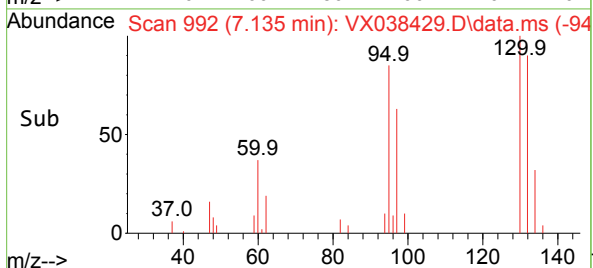
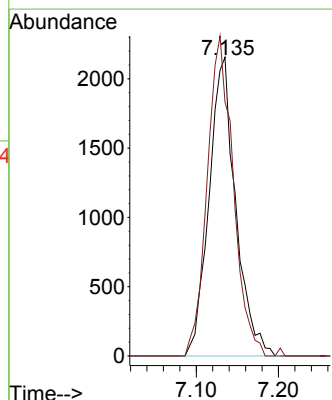
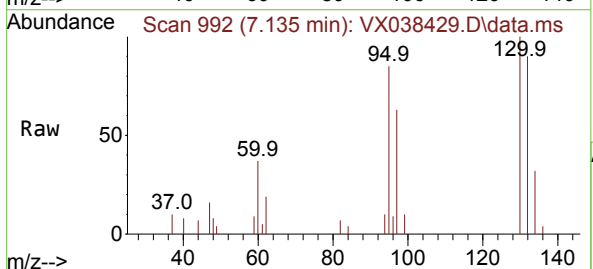


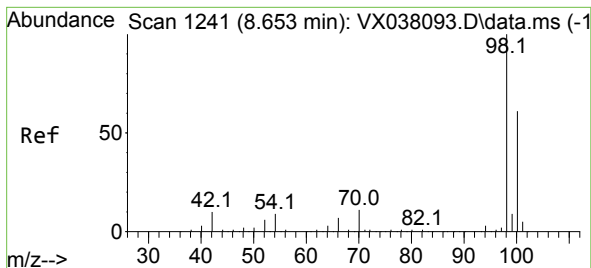
Tgt Ion:117 Resp: 13422
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 2.782 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Tgt Ion:130 Resp: 4861
Ion Ratio Lower Upper
130 100
95 85.0 0.0 204.4





#50

Toluene-d8

Concen: 45.015 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038429.D

Acq: 23 Oct 2023 13:55

Instrument :

MSVOA_X

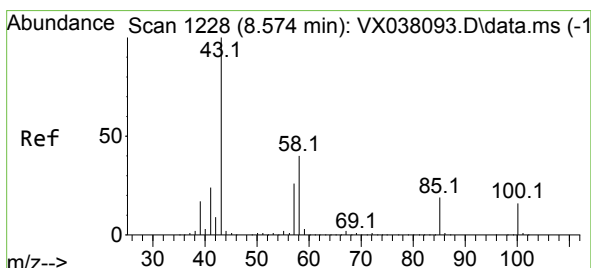
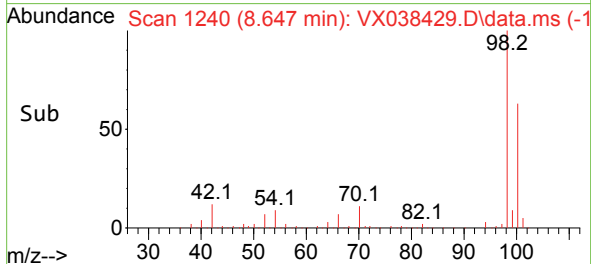
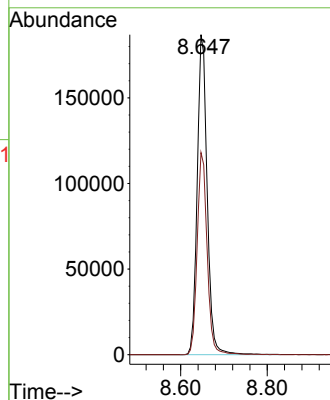
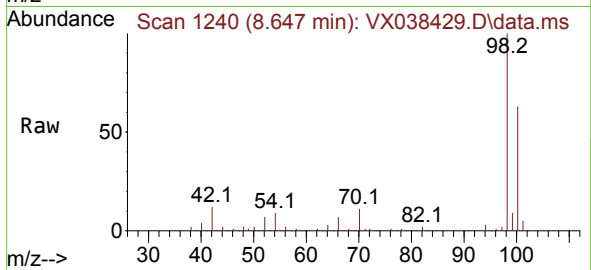
ClientSampleId :

Tgt Ion: 98 Resp: 297938

Ion Ratio Lower Upper

98 100

100 63.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.476 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX038429.D

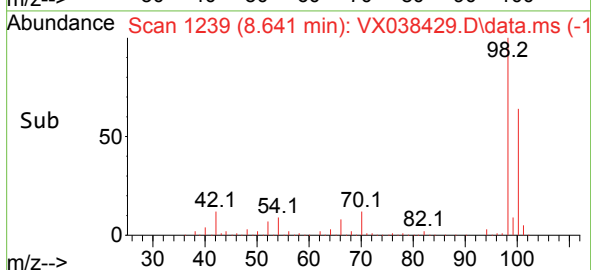
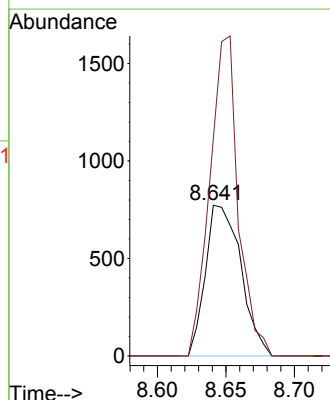
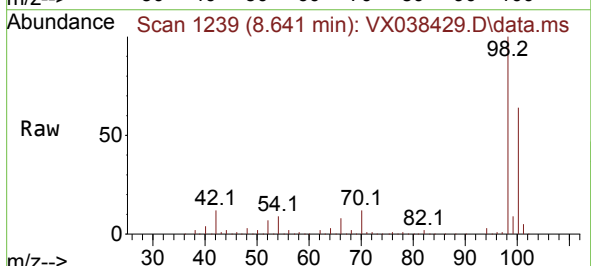
Acq: 23 Oct 2023 13:55

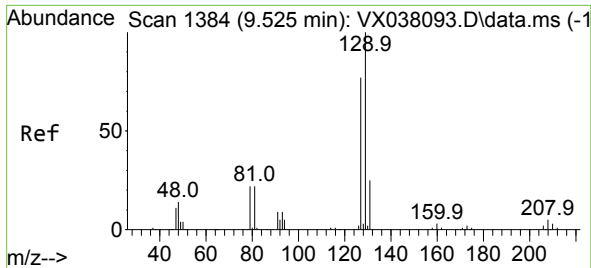
Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

58 170.5 30.4 45.6#

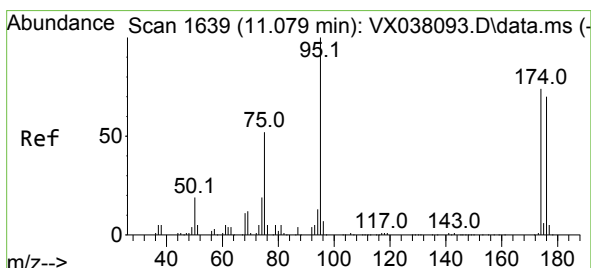
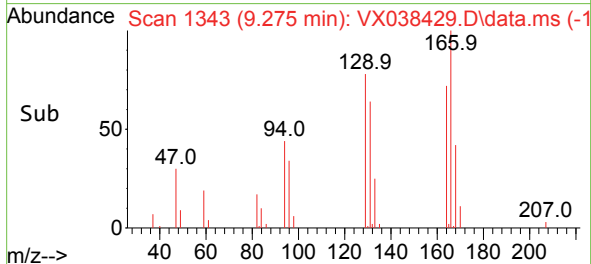
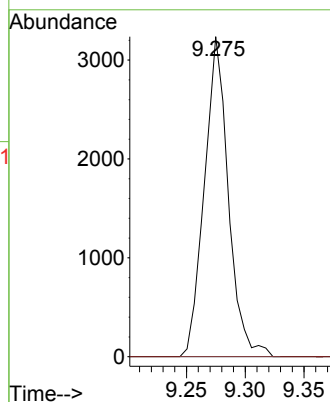
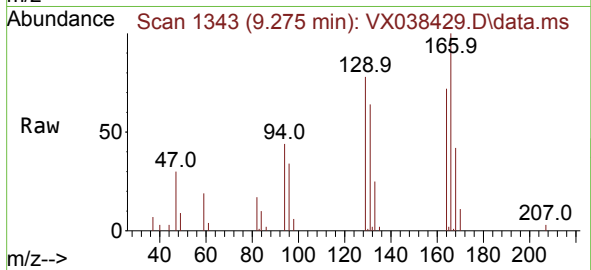




#60
Dibromochloromethane
Concen: 2.522 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

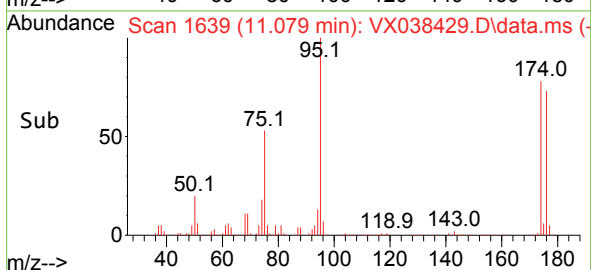
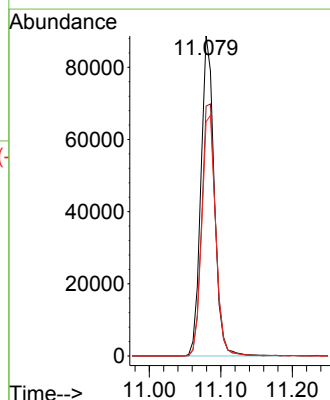
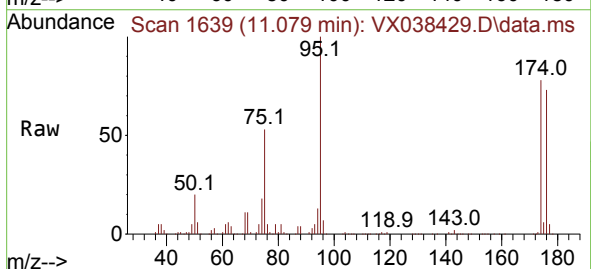
Instrument :
MSVOA_X
ClientSampleId :

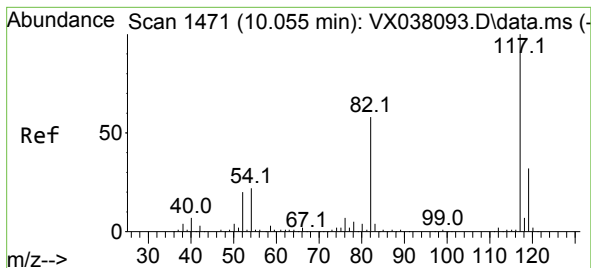
Tgt Ion:129 Resp: 4595
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Tgt Ion: 95 Resp: 114620
Ion Ratio Lower Upper
95 100
174 82.0 0.0 135.6
176 78.6 0.0 131.0

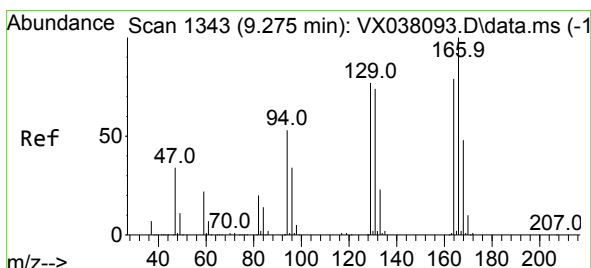
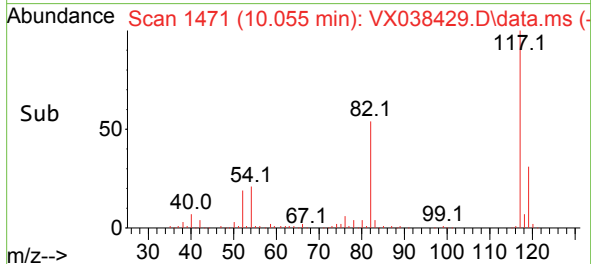
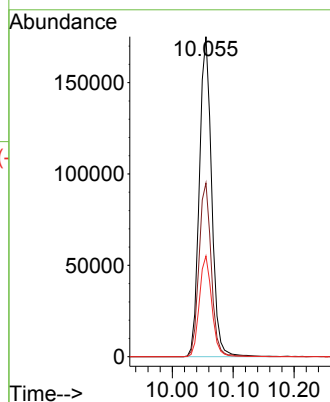
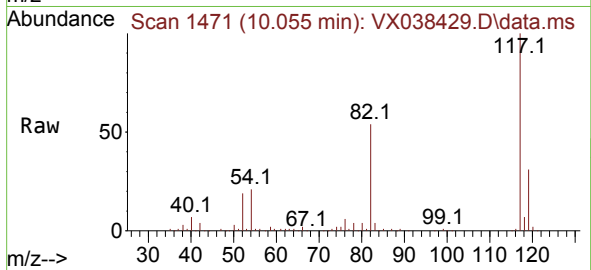




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

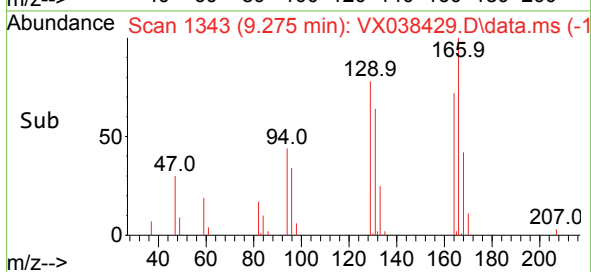
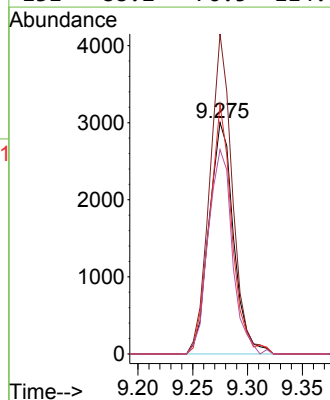
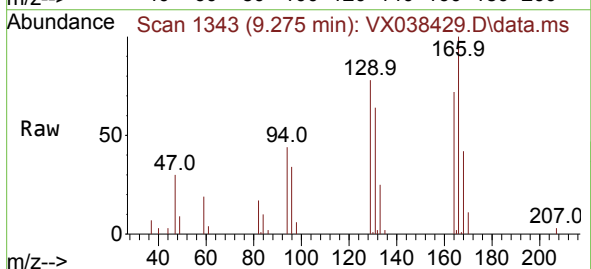
Instrument :
MSVOA_X
ClientSampleId :

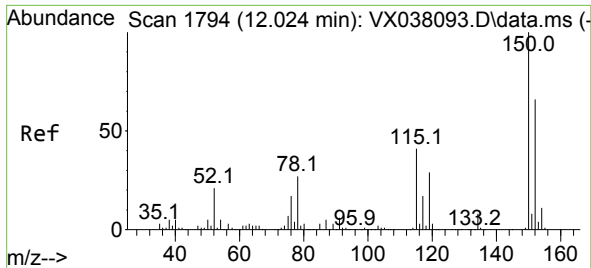
Tgt Ion:117 Resp: 245370
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 2.934 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

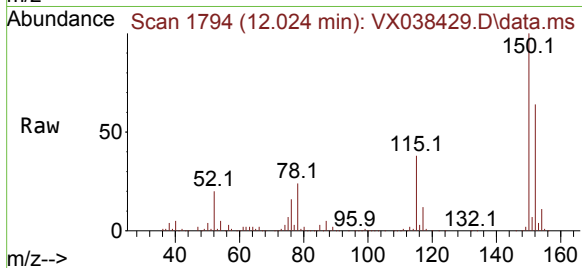
Tgt Ion:164 Resp: 4661
Ion Ratio Lower Upper
164 100
166 138.2 102.7 154.1
129 107.8 80.4 120.6
131 88.2 76.5 114.7



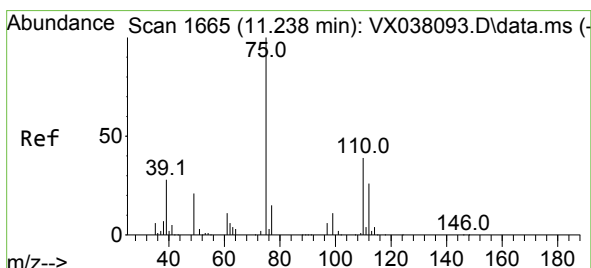
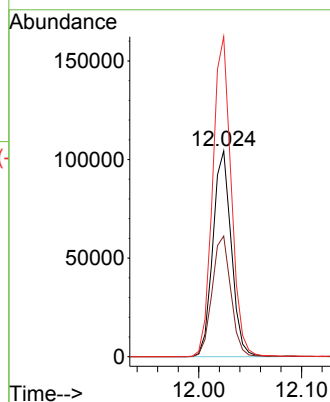
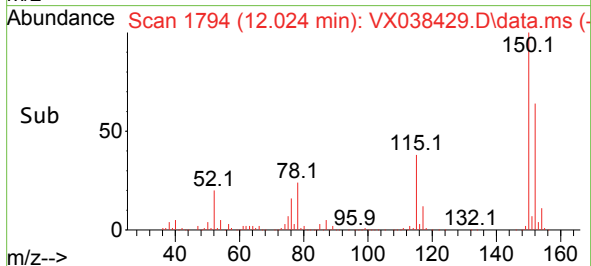


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038429.D
 Acq: 23 Oct 2023 13:55

Instrument :
 MSVOA_X
 ClientSampleId :

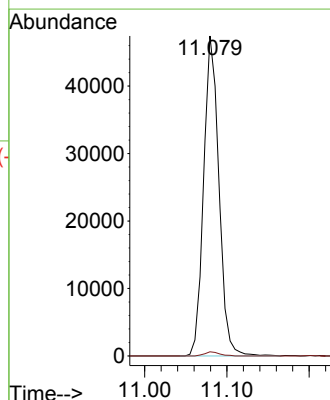
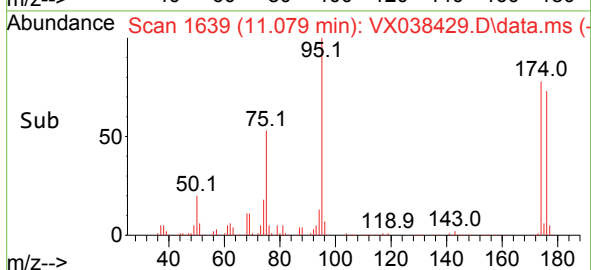
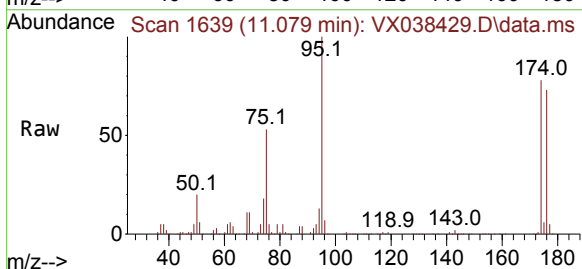


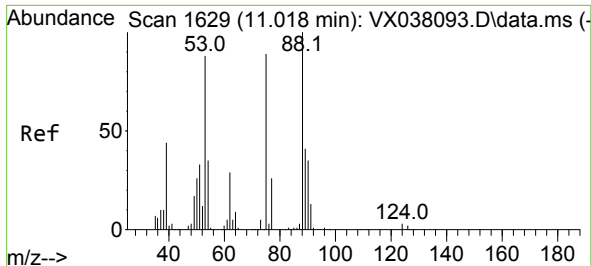
Tgt Ion:152 Resp: 129547
 Ion Ratio Lower Upper
 152 100
 115 60.0 43.3 129.9
 150 156.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.819 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038429.D
 Acq: 23 Oct 2023 13:55

Tgt Ion: 75 Resp: 61313
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

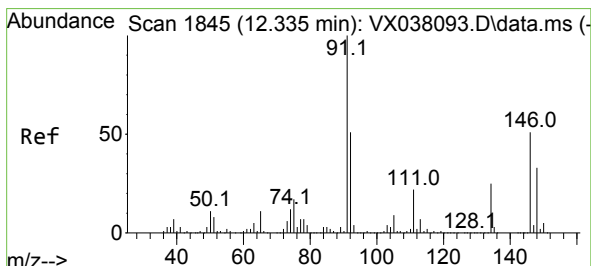
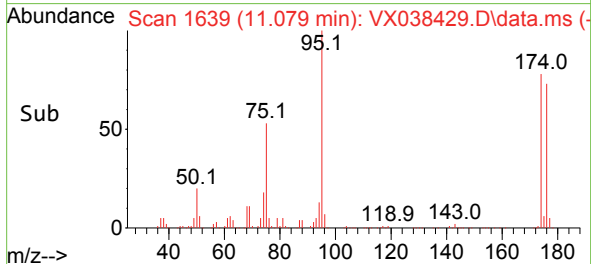
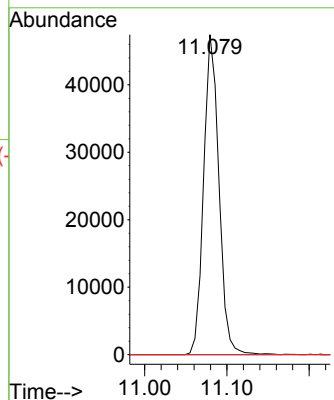
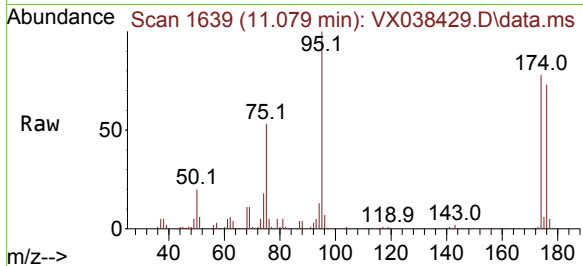




#81
trans-1,4-Dichloro-2-butene
Concen: 59.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 61313
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#91
1,2-Dichlorobenzene
Concen: 0.793 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038429.D
Acq: 23 Oct 2023 13:55

Tgt Ion: 146 Resp: 3249
Ion Ratio Lower Upper
146 100
111 40.8 22.4 67.0
148 60.9 31.6 95.0

