

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037429.D
 Acq On : 31 Aug 2023 14:37
 Operator : JC/MD
 Sample : VX0831WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 01 03:11:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

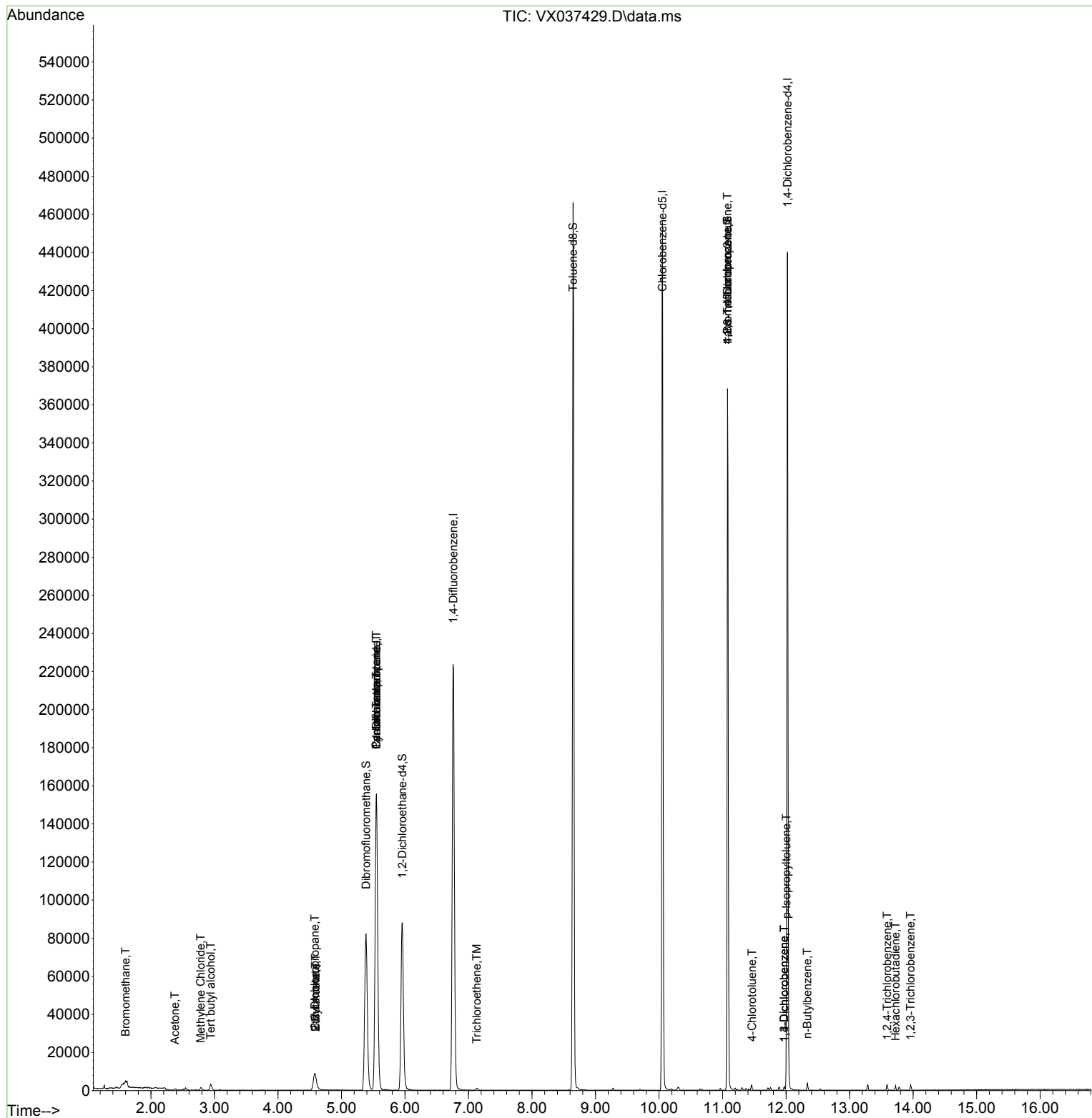
Internal Standards						
1) Pentafluorobenzene	5.550	168	146496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89103	42.189	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.380%
35) Dibromofluoromethane	5.385	113	73928	46.080	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.160%
50) Toluene-d8	8.647	98	281822	48.427	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.860%
62) 4-Bromofluorobenzene	11.079	95	103606	45.303	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	214	0.265	ug/l #	60
11) Tert butyl alcohol	2.941	59	2000	4.037	ug/l #	78
16) Acetone	2.380	43	801	0.969	ug/l	99
20) Methylene Chloride	2.782	84	782	0.423	ug/l #	81
25) 2-Butanone	4.593	43	643	0.517	ug/l #	51
26) 2,2-Dichloropropane	4.580	77	876	0.327	ug/l #	54
31) Cyclohexane	5.550	56	2832	1.193	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11586	5.083	ug/l #	51
37) Ethyl Acetate	4.593	43	643	0.276	ug/l #	17
38) Carbon Tetrachloride	5.550	117	15684	6.335	ug/l #	16
44) Trichloroethene	7.129	130	498	0.269	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	50843	24.849	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50843	69.404	ug/l #	5
82) 4-Chlorotoluene	11.463	91	1164	0.203	ug/l	97
86) p-Isopropyltoluene	12.006	119	1222	0.219	ug/l #	71
87) 1,3-Dichlorobenzene	11.969	146	793	0.248	ug/l	99
88) 1,4-Dichlorobenzene	11.969	146	793	0.240	ug/l	98
89) n-Butylbenzene	12.335	91	1397	0.302	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	886	0.484	ug/l	99
94) Hexachlorobutadiene	13.725	225	377	0.533	ug/l	90
96) 1,2,3-Trichlorobenzene	13.963	180	799	0.440	ug/l	93

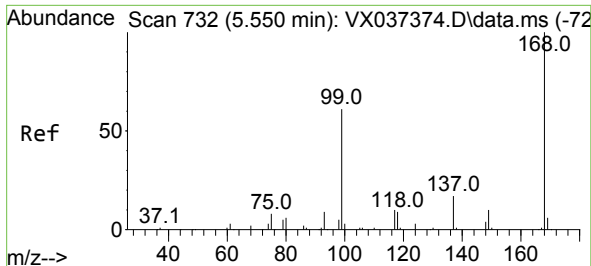
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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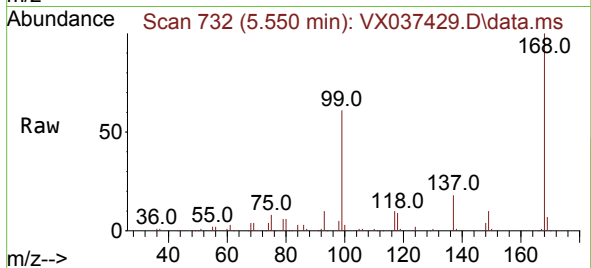
Quant Time: Sep 01 03:11:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



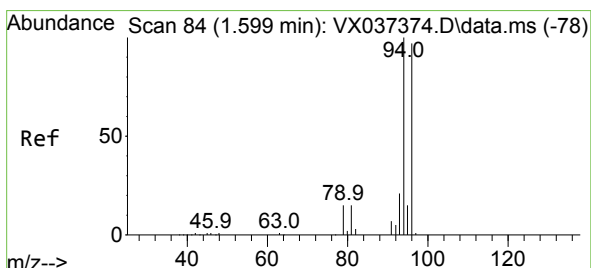
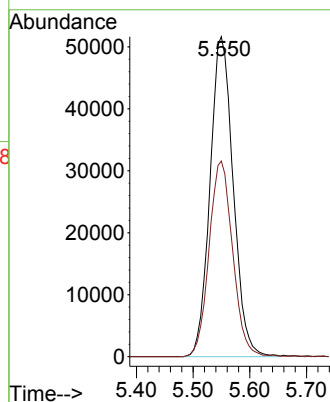
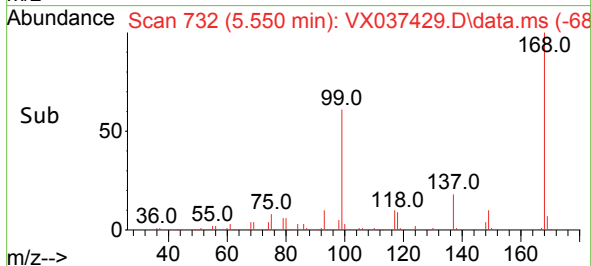


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :

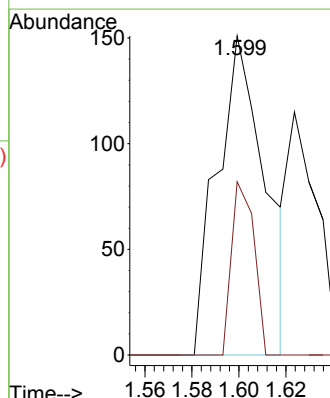
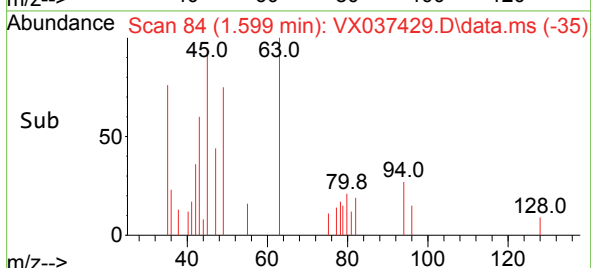
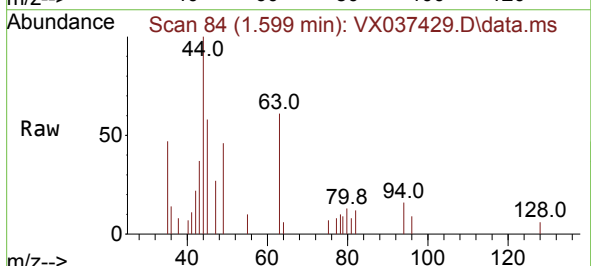


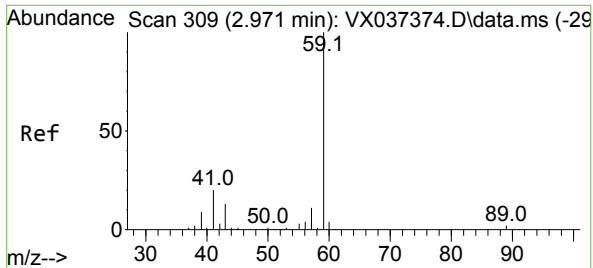
Tgt Ion:168 Resp: 146496
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Tgt Ion: 94 Resp: 214
Ion Ratio Lower Upper
94 100
96 54.3 74.6 111.8#

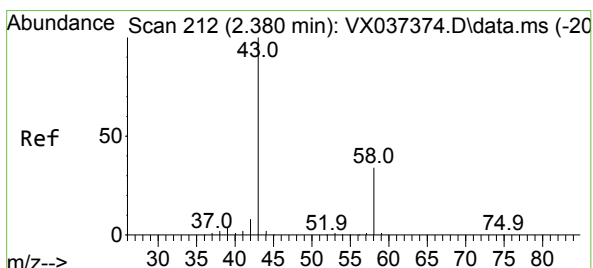
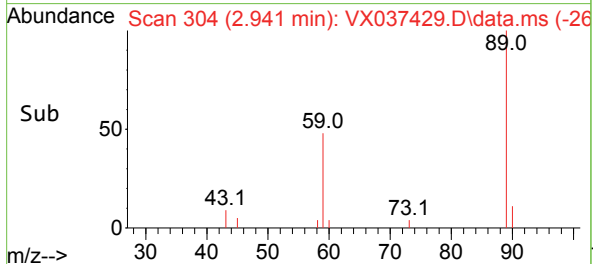
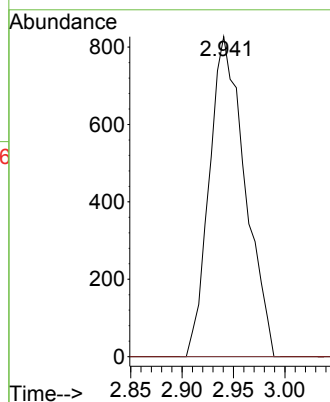
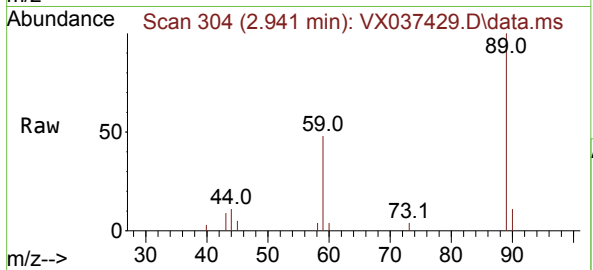




#11
Tert butyl alcohol
Concen: 4.037 ug/l
RT: 2.941 min Scan# 309
Delta R.T. -0.037 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

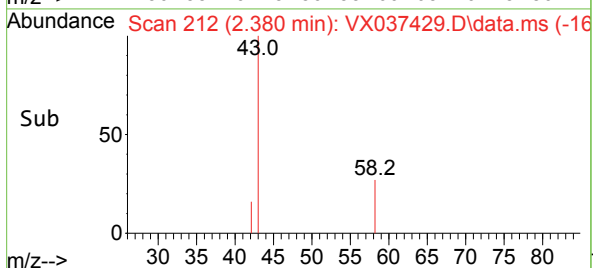
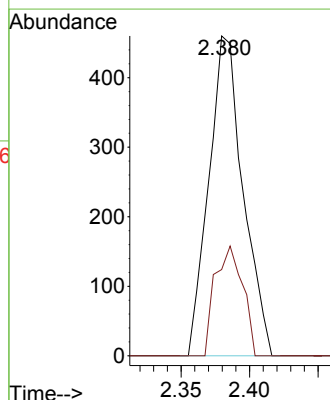
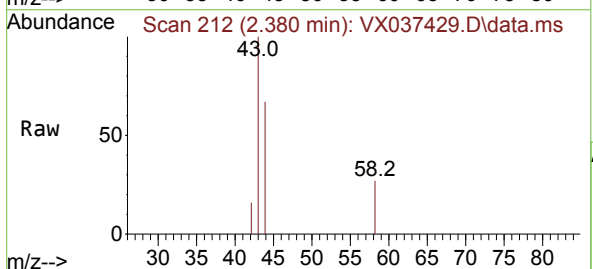
Instrument :
MSVOA_X
ClientSampleId :

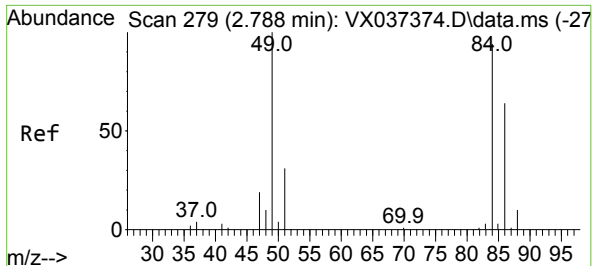
Tgt Ion: 59 Resp: 2000
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 0.969 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

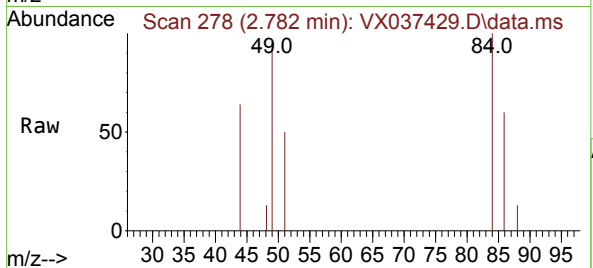
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 27.0 21.9 32.9





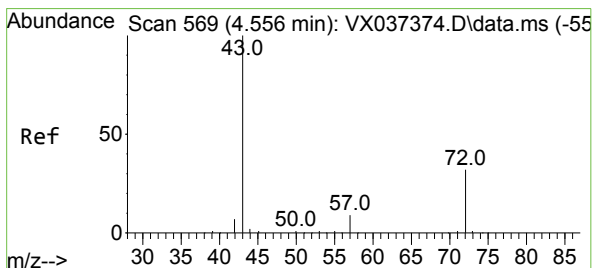
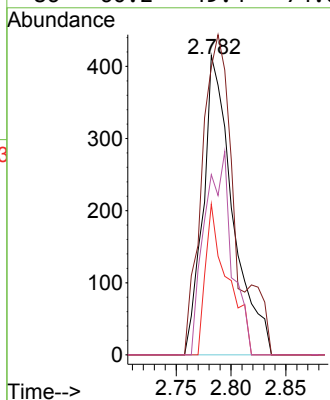
#20
Methylene Chloride
Concen: 0.423 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 782

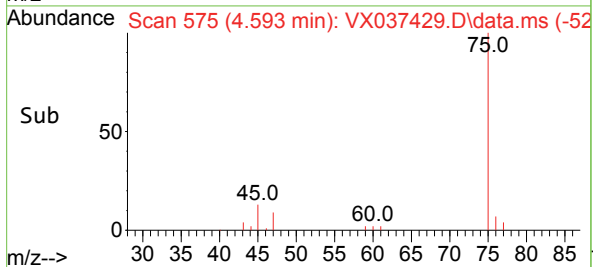
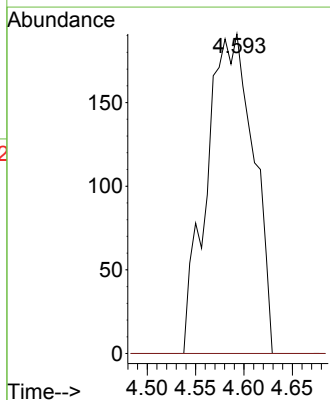
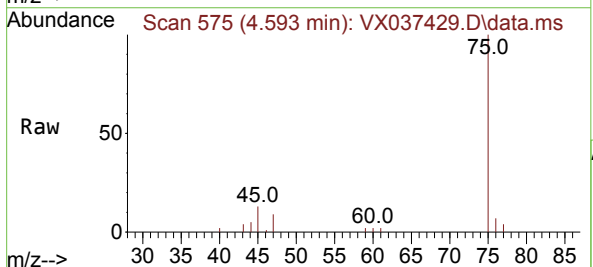
Ion	Ratio	Lower	Upper
84	100		
49	96.1	103.6	155.4#
51	50.4	33.8	50.6
86	60.2	49.4	74.0

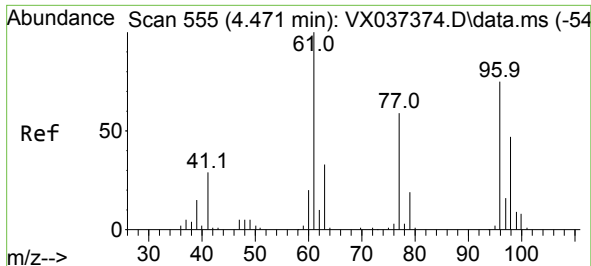


#25
2-Butanone
Concen: 0.517 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Tgt Ion: 43 Resp: 643

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#26

2,2-Dichloropropane

Concen: 0.327 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.104 min

Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

Instrument :

MSVOA_X

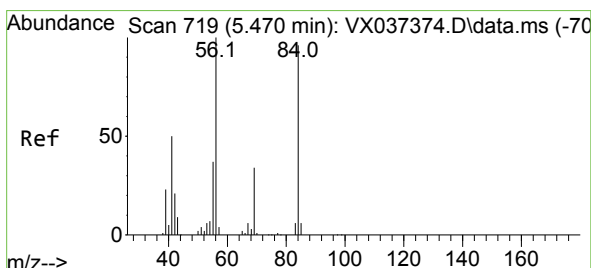
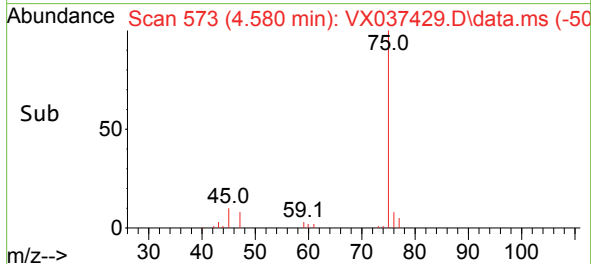
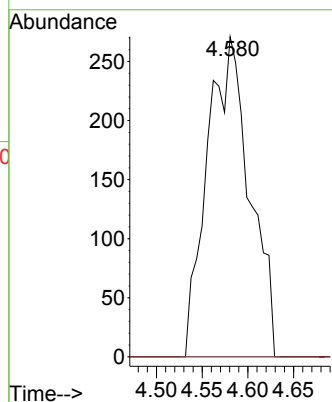
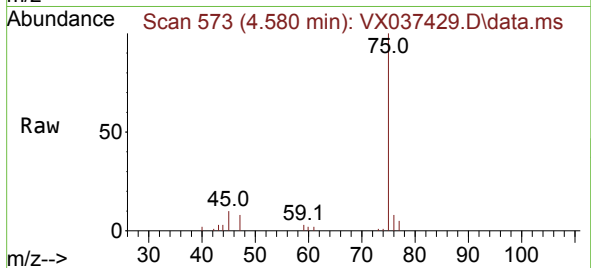
ClientSampleId :

Tgt Ion: 77 Resp: 876

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

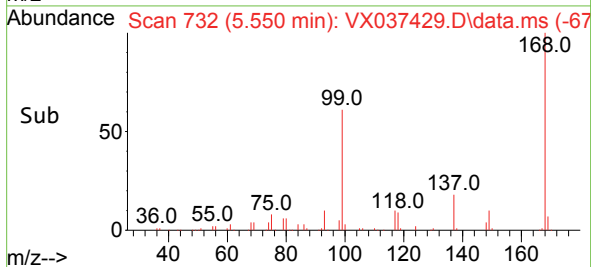
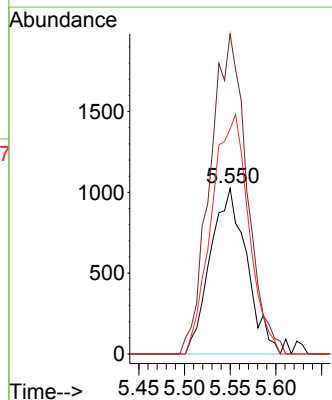
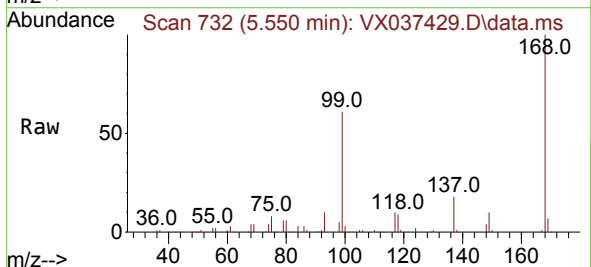
Tgt Ion: 56 Resp: 2832

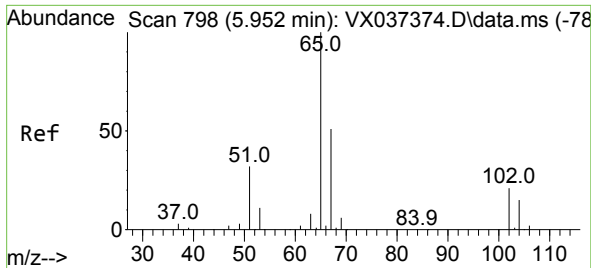
Ion Ratio Lower Upper

56 100

69 193.2 23.4 35.2#

84 135.9 65.9 98.9#

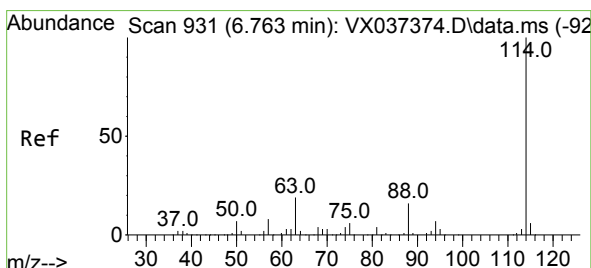
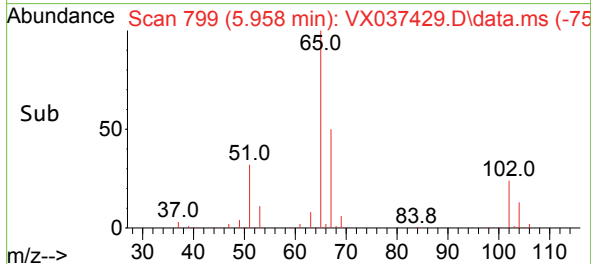
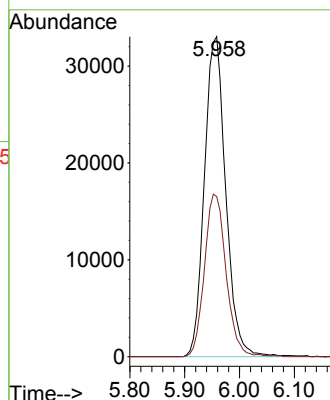
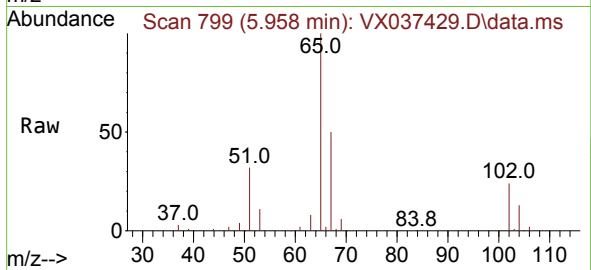




#33
 1,2-Dichloroethane-d4
 Concen: 42.189 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX037429.D
 Acq: 31 Aug 2023 14:37

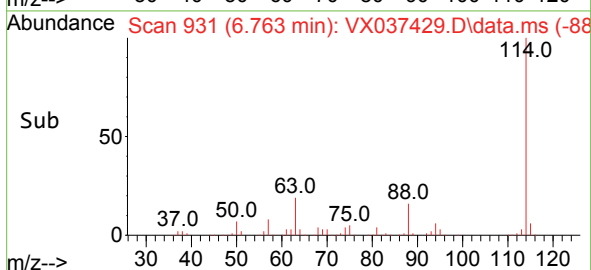
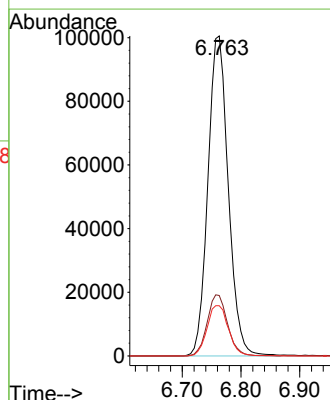
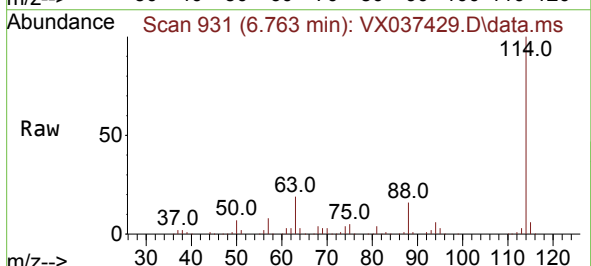
Instrument :
 MSVOA_X
 ClientSampleId :

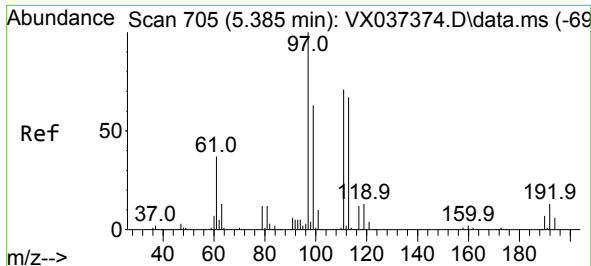
Tgt Ion: 65 Resp: 89103
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX037429.D
 Acq: 31 Aug 2023 14:37

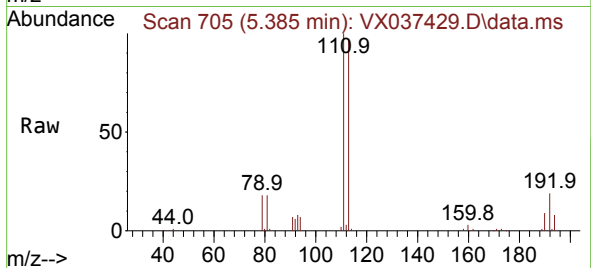
Tgt Ion:114 Resp: 242244
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 45.0
 88 15.7 0.0 36.6



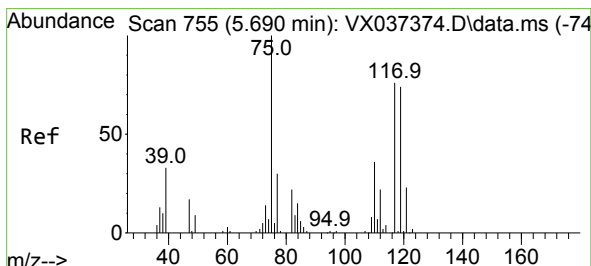
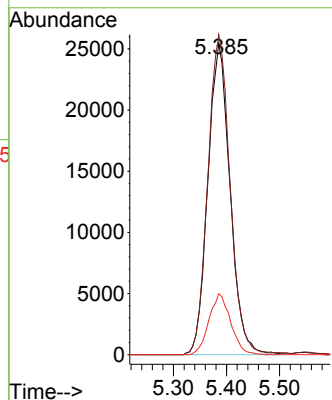
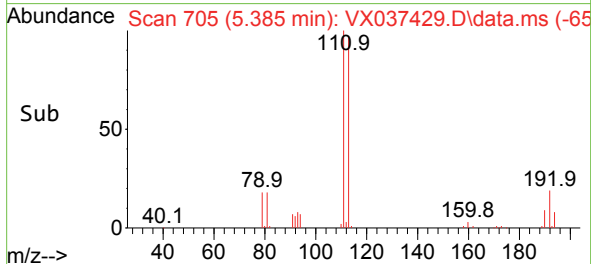


#35
Dibromofluoromethane
Concen: 46.080 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

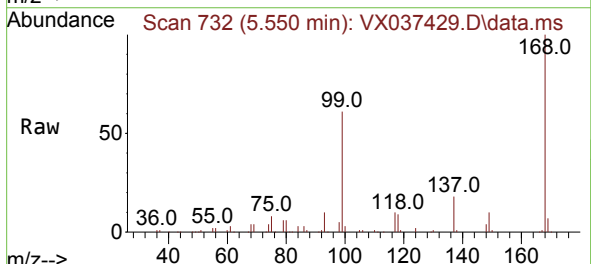
Instrument :
MSVOA_X
ClientSampleId :



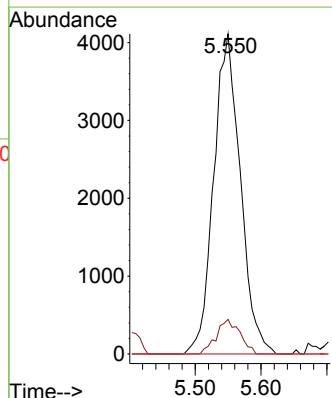
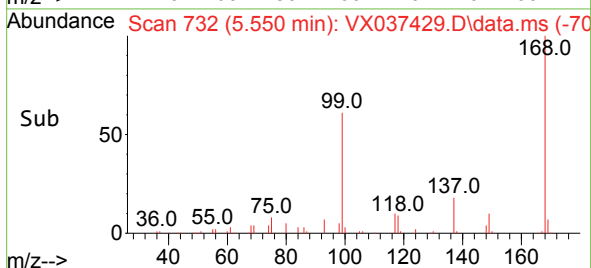
Tgt Ion:113 Resp: 73928
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 19.2 13.3 19.9

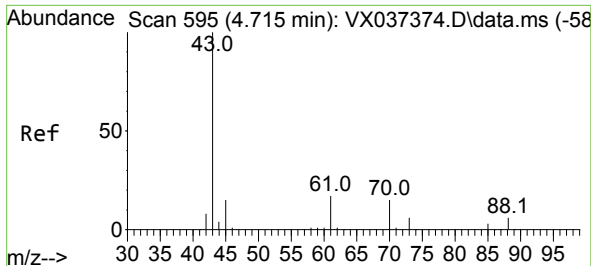


#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37



Tgt Ion: 75 Resp: 11586
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.276 ug/l

RT: 4.593 min Scan# 51

Delta R.T. -0.122 min

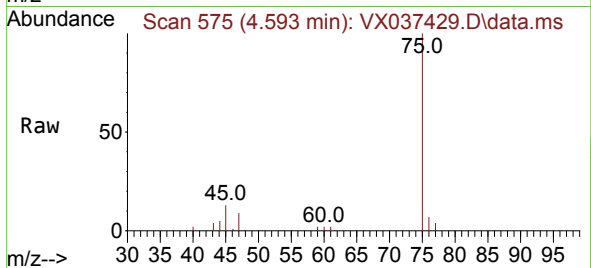
Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :



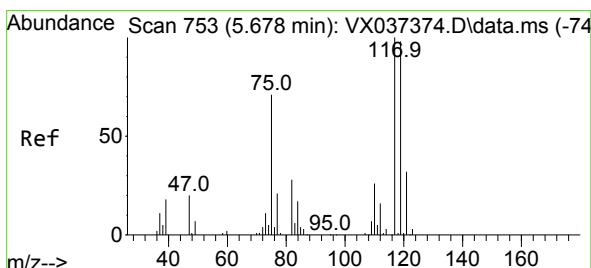
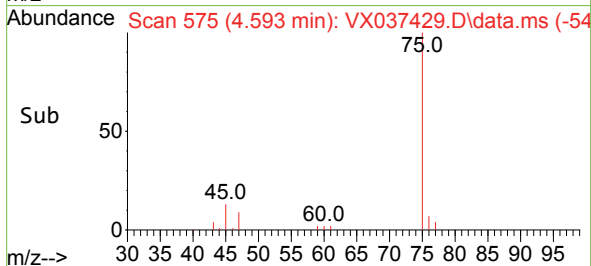
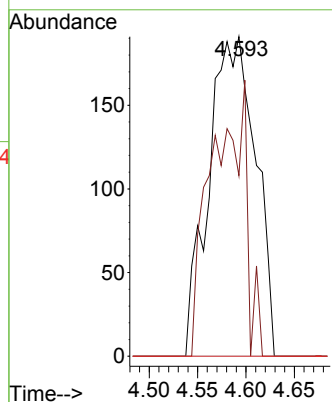
Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

61 63.8 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.335 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

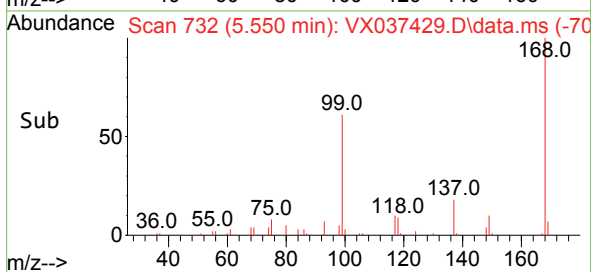
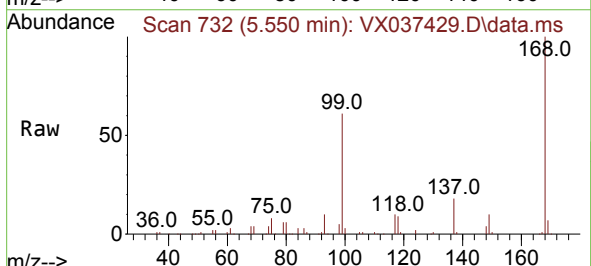
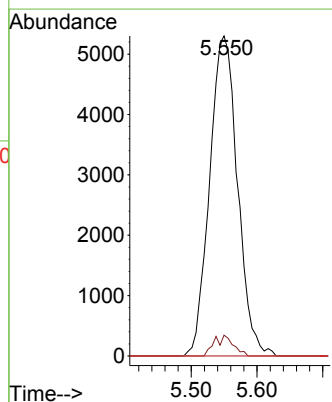
Tgt Ion: 117 Resp: 15684

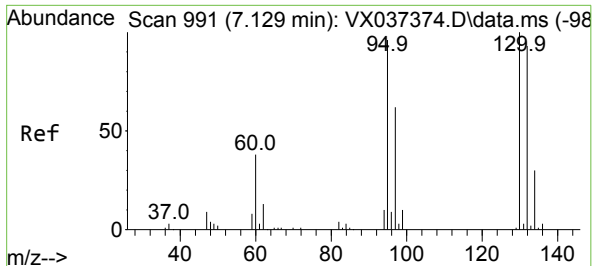
Ion Ratio Lower Upper

117 100

119 6.5 78.2 117.2#

121 0.0 24.4 36.6#





#44

Trichloroethene

Concen: 0.269 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

Instrument :

MSVOA_X

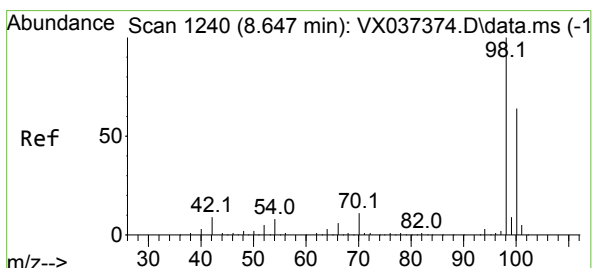
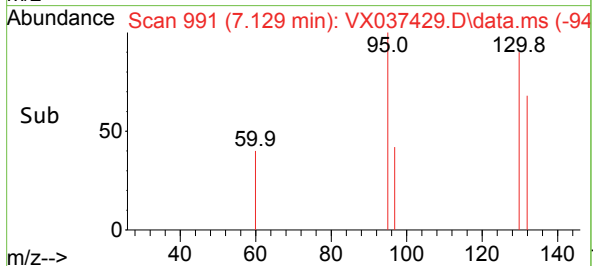
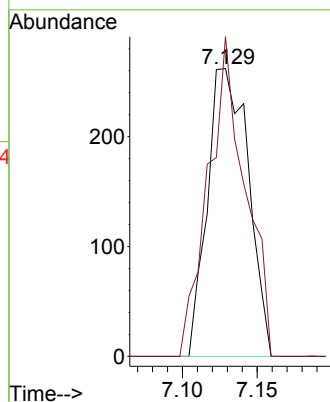
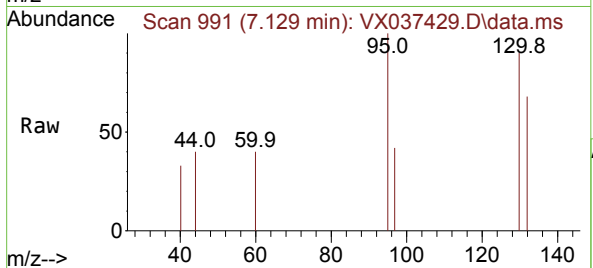
ClientSampleId :

Tgt Ion:130 Resp: 498

Ion Ratio Lower Upper

130 100

95 111.1 0.0 204.4



#50

Toluene-d8

Concen: 48.427 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037429.D

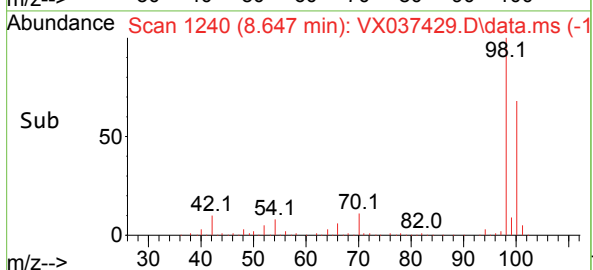
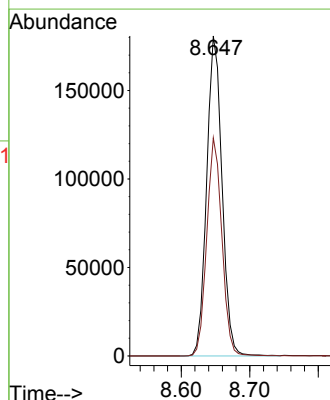
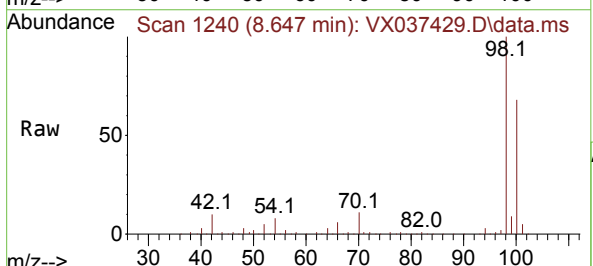
Acq: 31 Aug 2023 14:37

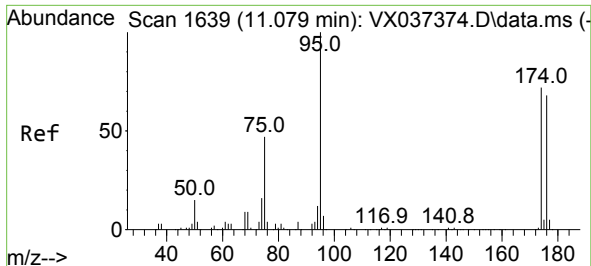
Tgt Ion: 98 Resp: 281822

Ion Ratio Lower Upper

98 100

100 67.3 53.1 79.7

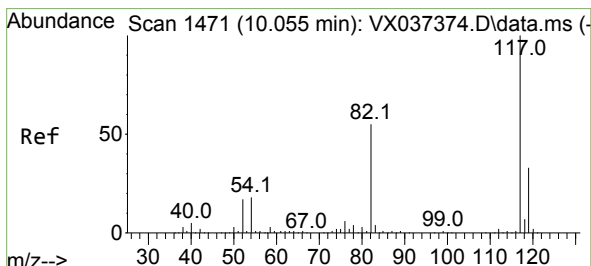
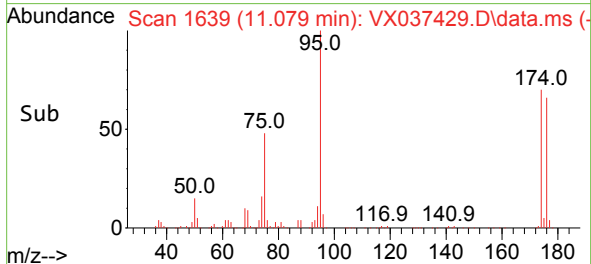
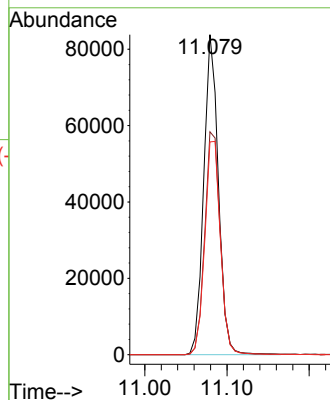
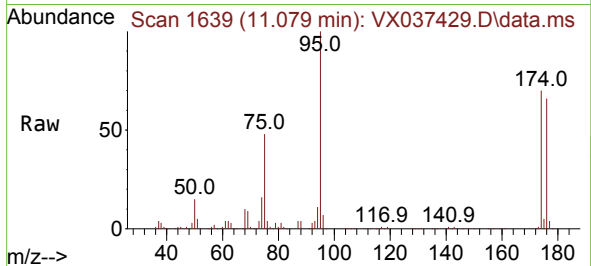




#62
4-Bromofluorobenzene
Concen: 45.303 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

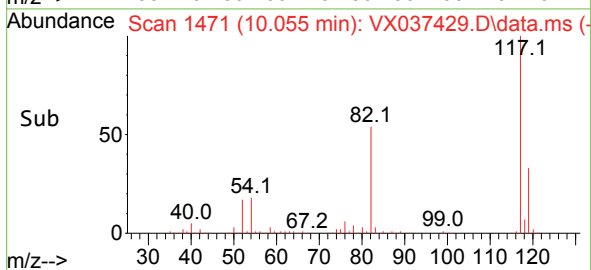
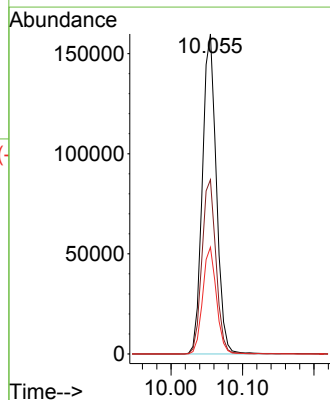
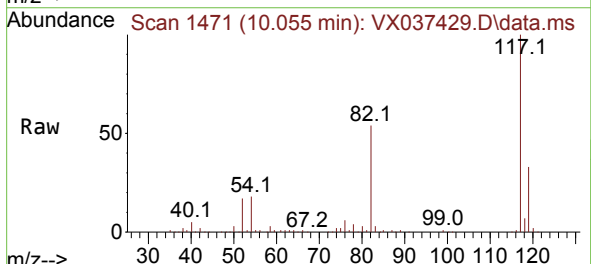
Instrument :
MSVOA_X
ClientSampleId :

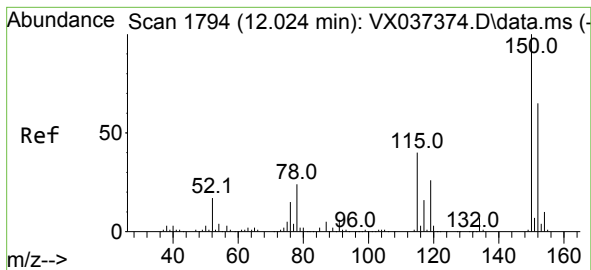
Tgt Ion: 95 Resp: 103606
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 71.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Tgt Ion: 117 Resp: 216872
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 33.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

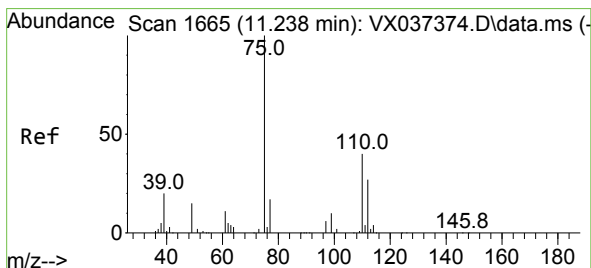
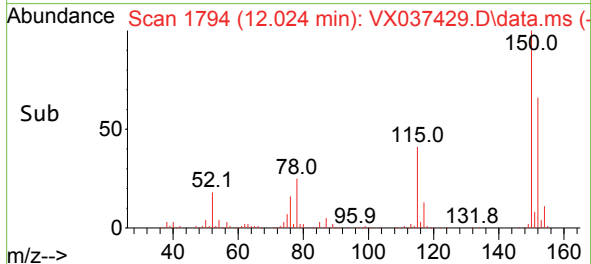
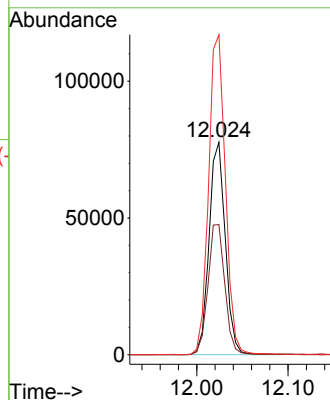
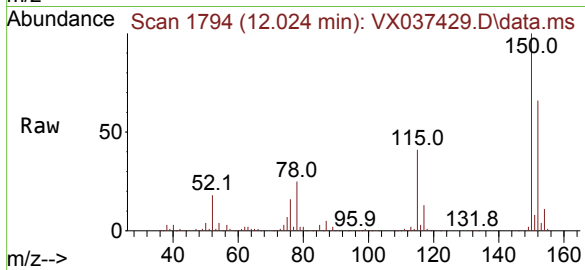
Tgt Ion:152 Resp: 96076

Ion Ratio Lower Upper

152 100

115 63.7 43.3 129.9

150 156.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.849 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037429.D

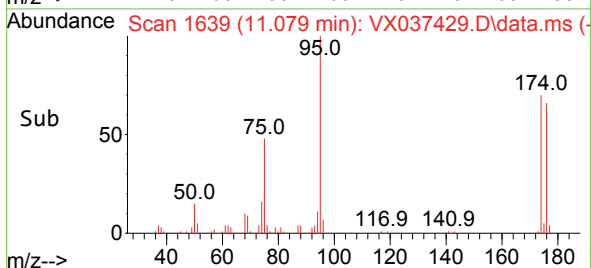
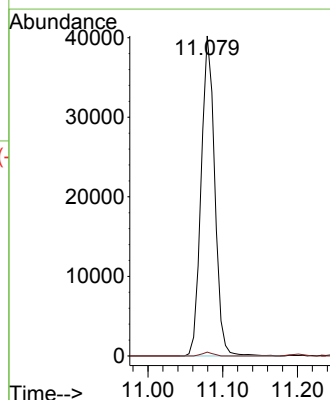
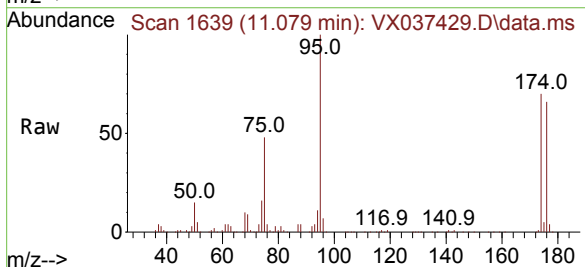
Acq: 31 Aug 2023 14:37

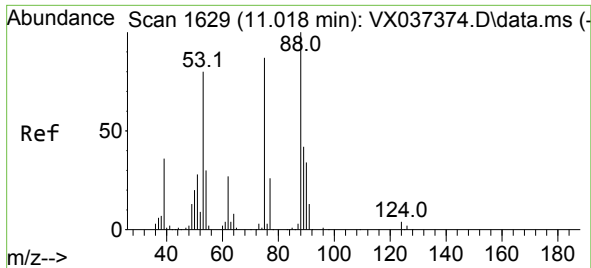
Tgt Ion: 75 Resp: 50843

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

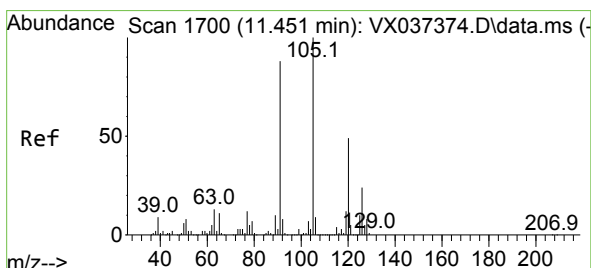
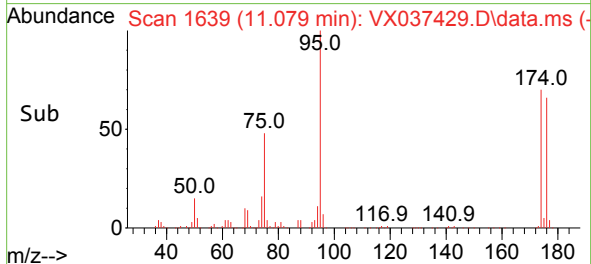
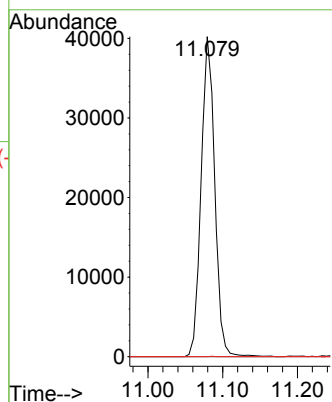
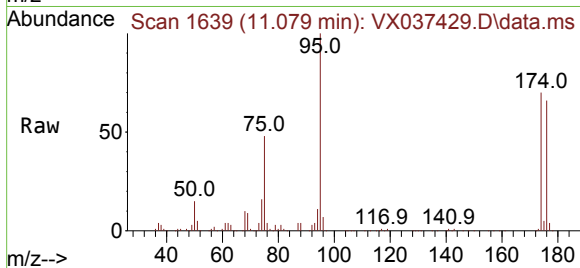




#81
trans-1,4-Dichloro-2-butene
Concen: 69.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

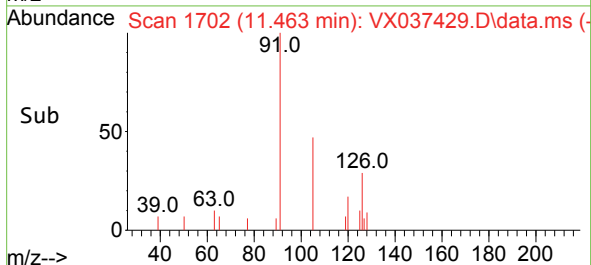
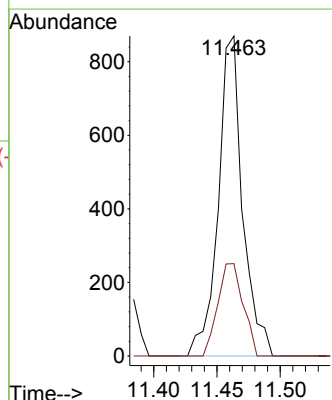
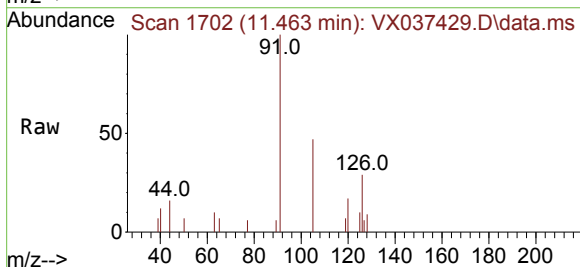
Instrument :
MSVOA_X
ClientSampleId :

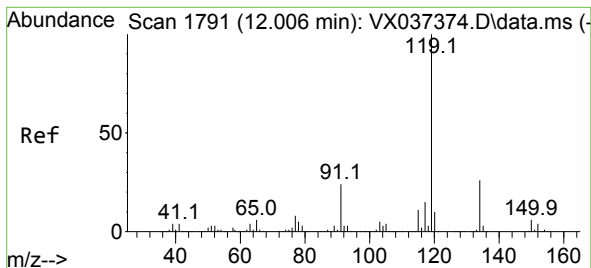
Tgt Ion: 75 Resp: 50843
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.203 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Tgt Ion: 91 Resp: 1164
Ion Ratio Lower Upper
91 100
126 29.9 14.2 42.6





#86

p-Isopropyltoluene

Concen: 0.219 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX037429.D

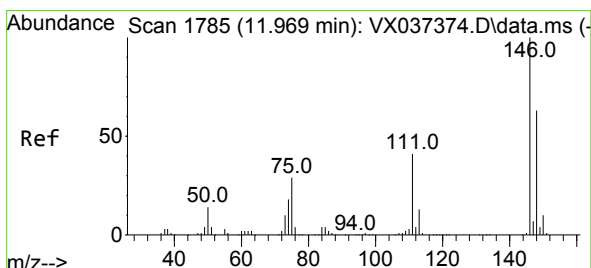
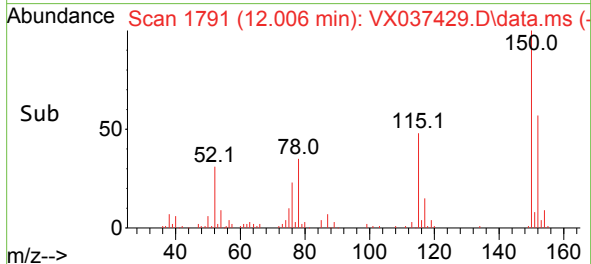
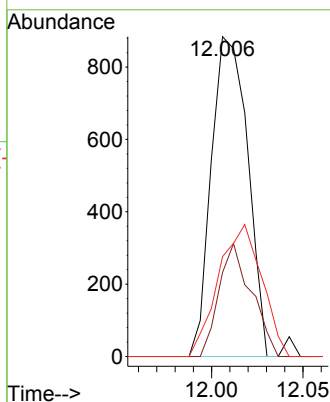
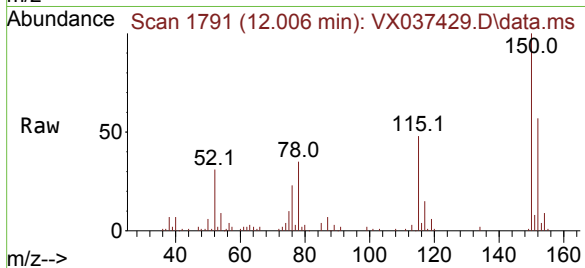
Acq: 31 Aug 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119	Resp:	1222
Ion	Ratio	Lower Upper
119	100	
134	31.6	12.8 38.3
91	49.3	13.1 39.3#



#87

1,3-Dichlorobenzene

Concen: 0.248 ug/l

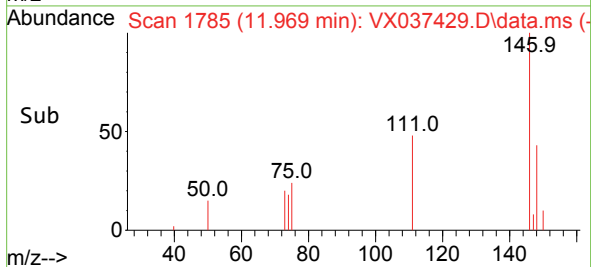
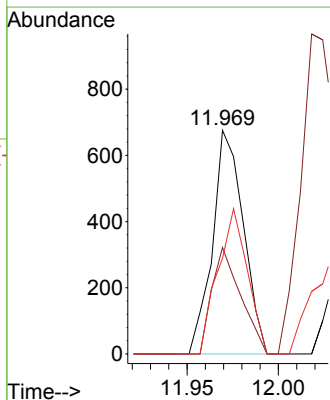
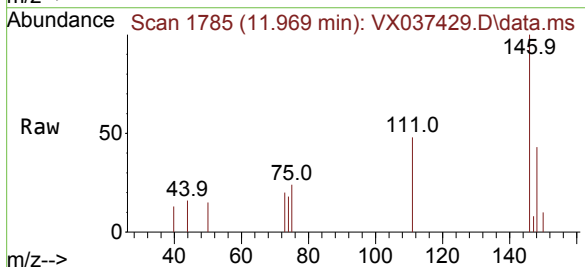
RT: 11.969 min Scan# 1785

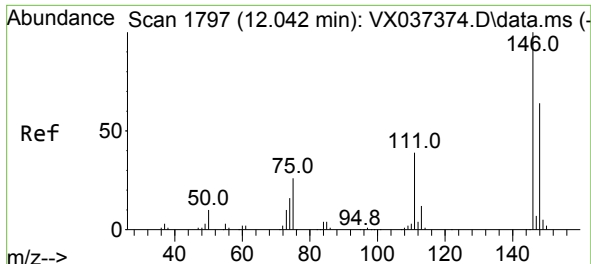
Delta R.T. 0.000 min

Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

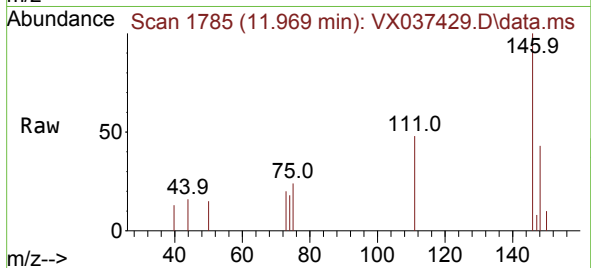
Tgt Ion:146	Resp:	793
Ion	Ratio	Lower Upper
146	100	
111	44.5	22.1 66.1
148	62.2	31.8 95.3



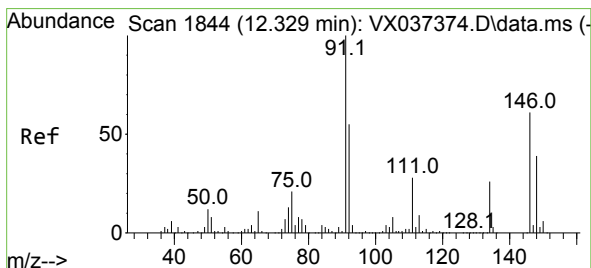
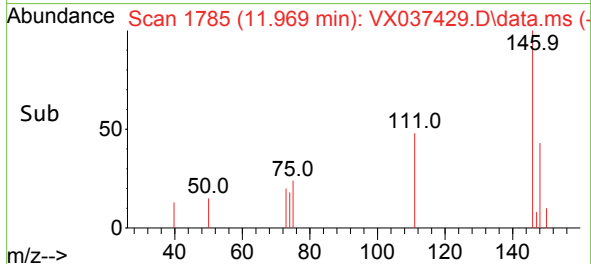
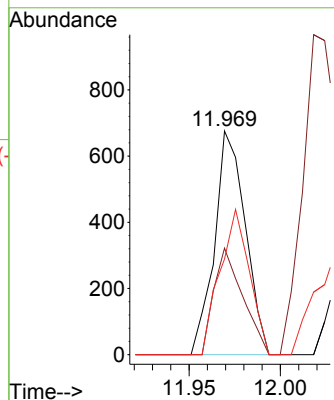


#88
1,4-Dichlorobenzene
Concen: 0.240 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :

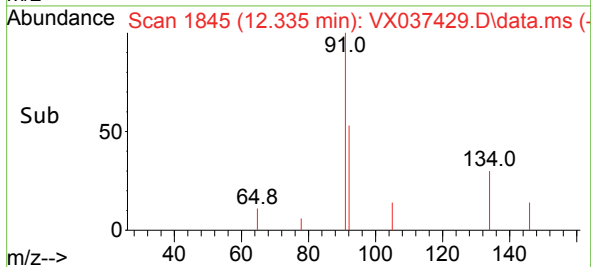
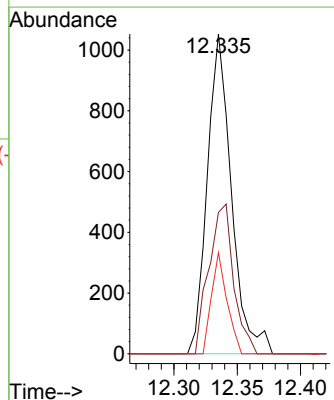
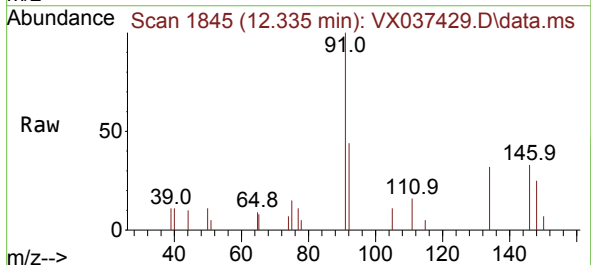


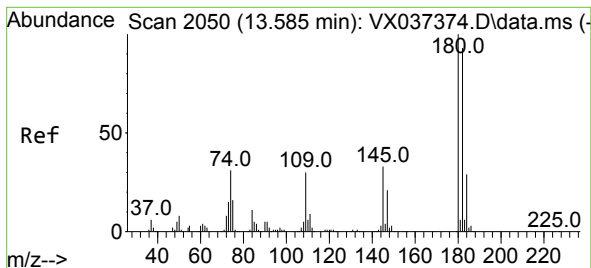
Tgt Ion:146 Resp: 793
Ion Ratio Lower Upper
146 100
111 44.5 21.3 63.7
148 62.2 31.8 95.4



#89
n-Butylbenzene
Concen: 0.302 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX037429.D
Acq: 31 Aug 2023 14:37

Tgt Ion: 91 Resp: 1397
Ion Ratio Lower Upper
91 100
92 48.1 27.4 82.0
134 20.3 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.484 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037429.D

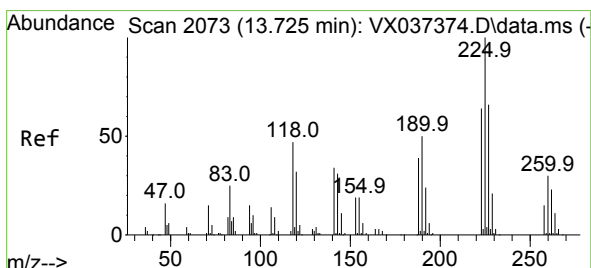
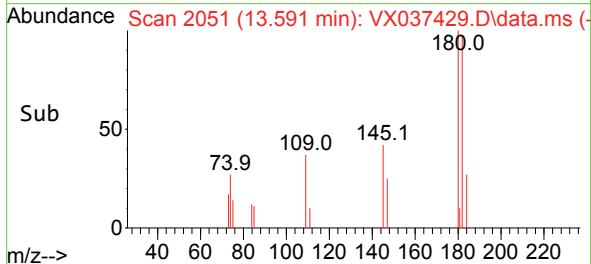
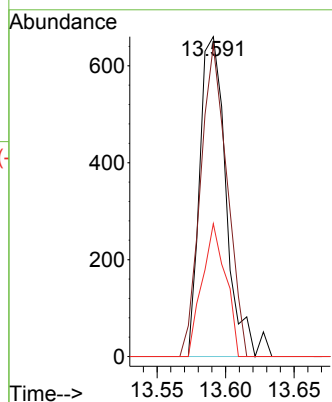
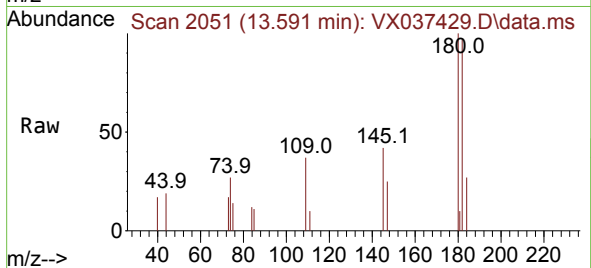
Acq: 31 Aug 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	886
Ion Ratio	Lower	Upper
180	100	
182	97.3	48.3 144.8
145	36.9	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.533 ug/l

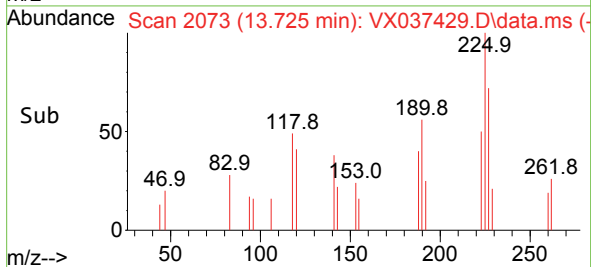
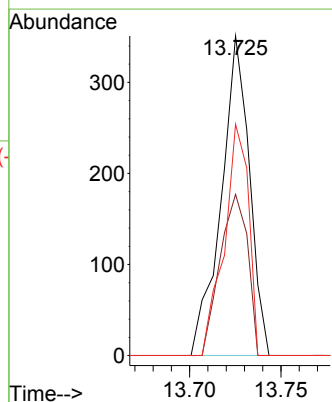
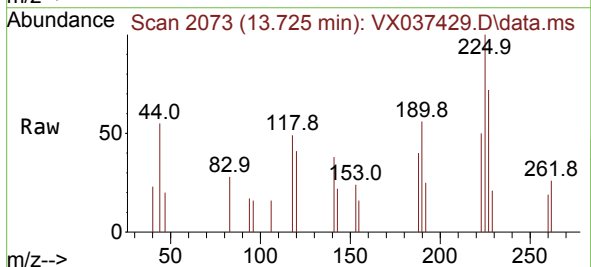
RT: 13.725 min Scan# 2073

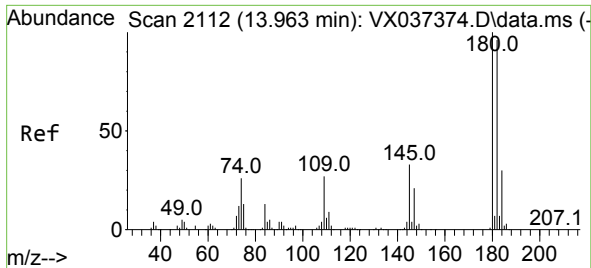
Delta R.T. 0.000 min

Lab File: VX037429.D

Acq: 31 Aug 2023 14:37

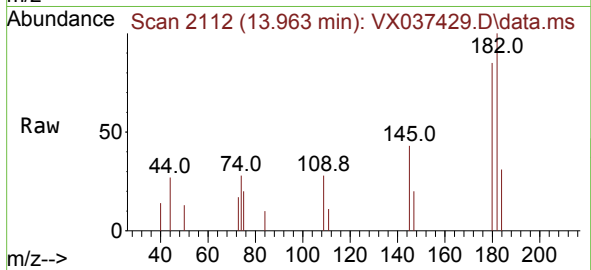
Tgt Ion:225	Resp:	377
Ion Ratio	Lower	Upper
225	100	
223	49.3	31.1 93.2
227	62.3	32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.440 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX037429.D
 Acq: 31 Aug 2023 14:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	799
Ion	Ratio	Lower	Upper
180	100		
182	103.1	46.9	140.6
145	35.7	17.8	53.5

