

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032924\
 Data File : VX040836.D
 Acq On : 29 Mar 2024 13:27
 Operator : JC/MD
 Sample : P1908-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Quant Time: Mar 29 22:59:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 29 05:24:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	3689	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	31264	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	38542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	20301	32.109	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.033%
60) 4-Bromofluorobenzene	11.079	95	23116	27.455	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.533%
63) Toluene-d8	8.647	98	46727	30.925	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	37976	64.413	ug/l	97
5) Bromomethane	1.618	94	22864	59.576	ug/l	100
10) 1,1-Dichloroethene	2.325	96	14905	26.987	ug/l	90
11) Methyl Iodide	2.459	142	7668	10.157	ug/l	98
15) Acetone	2.380	58	16017	163.623	ug/l	80
17) Allyl chloride	2.788	41	730	0.720	ug/l #	21
18) Methylene Chloride	2.794	84	22533	37.916	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	21308	36.919	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	32232	47.531	ug/l	93
23) tert-Butyl Alcohol	3.093	59	1353	8.450	ug/l #	100
25) Chloroform	5.093	83	81829	67.738	ug/l	94
29) 1,1-Dichloropropene	6.038	75	720	0.825	ug/l #	1
30) 2-Butanone	4.556	43	34441	62.396	ug/l	96
34) Benzene	6.038	78	35805	14.308	ug/l	97
35) Methacrylonitrile	5.093	41	214	0.366	ug/l #	24
36) 1,2-Dichloroethane	6.086	62	121013	111.295	ug/l	95
37) Trichloroethene	7.123	130	16671	26.967	ug/l	94
39) 1,2-Dichloropropane	7.428	63	20836	35.045	ug/l	99
40) Dibromomethane	7.824	93	1026	2.081	ug/l #	8
41) Bromodichloromethane	7.818	83	29906	29.883	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	22025	22.185	ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	104291	101.680	ug/l #	90
50) 1,1,2-Trichloroethane	9.147	97	20431	33.795	ug/l	97
52) 1,3-Dichloropropane	8.970	76	774	0.745	ug/l	84
53) Dibromochloromethane	9.519	129	65480	90.397	ug/l	99
54) 1,2-Dibromoethane	9.610	107	11950	17.859	ug/l	99
55) 2-Chloroethyl vinyl ether	8.366	63	700	1.355	ug/l #	45
56) Bromoform	10.799	173	584	1.160	ug/l #	97
59) 2-Hexanone	9.427	43	96549	111.296	ug/l	95
61) Tetrachloroethene	9.269	164	52932	102.453	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	53859	91.200	ug/l	97
66) Ethyl Benzene	10.195	91	152851	49.886	ug/l	98
67) m/p-Xylenes	10.299	106	91361	81.219	ug/l	96
68) o-Xylene	10.640	106	102822	97.030	ug/l	96
69) Styrene	10.653	104	192759	104.832	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	68860	68.686	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	84936	100.071	ug/l	91
76) 1,3,5-Trimethylbenzene	11.451	105	143754	57.548	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	13606	40.293	ug/l #	12

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 29 05:24:11 2024
Response via : Initial Calibration

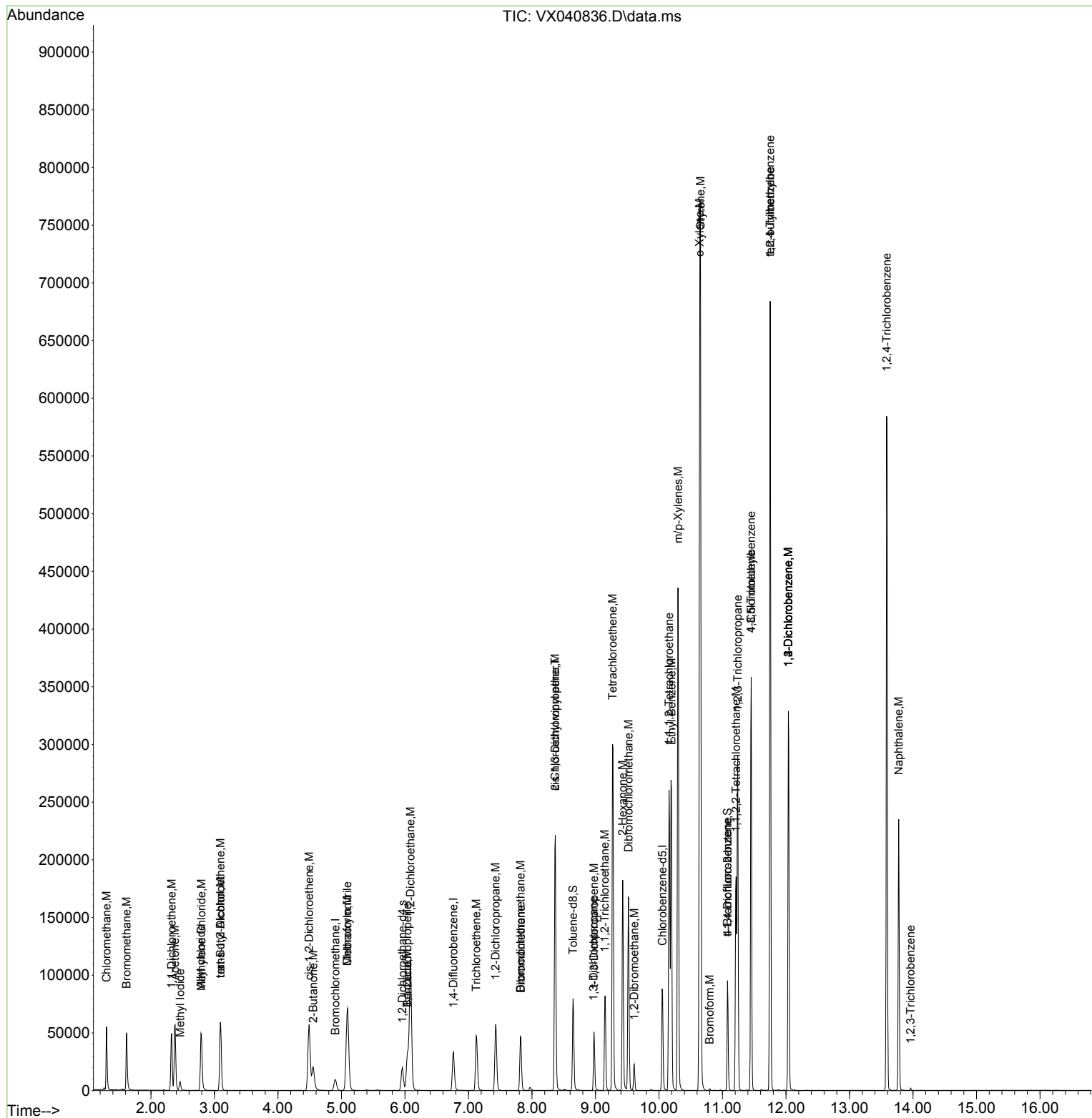
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) 4-Chlorotoluene	11.451	91	17733	7.003	ug/l #	46
79) tert-butylbenzene	11.750	119	31799	13.229	ug/l #	49
80) 1,2,4-Trimethylbenzene	11.750	105	272524	110.089	ug/l	99
83) 1,3-Dichlorobenzene	12.037	146	93382	69.866	ug/l	97
84) 1,4-Dichlorobenzene	12.037	146	93382	67.795	ug/l	100
87) 1,2-Dichlorobenzene	12.037	146	93382	72.228	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	121263	134.444	ug/l	99
91) Naphthalene	13.774	128	129680	42.989	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	656	0.763	ug/l	79

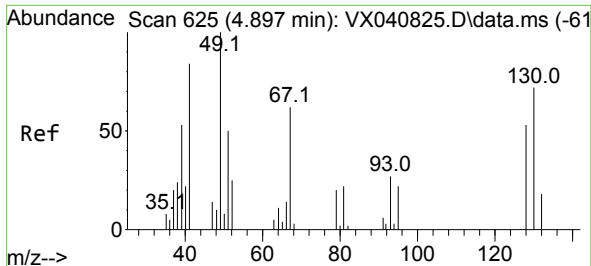
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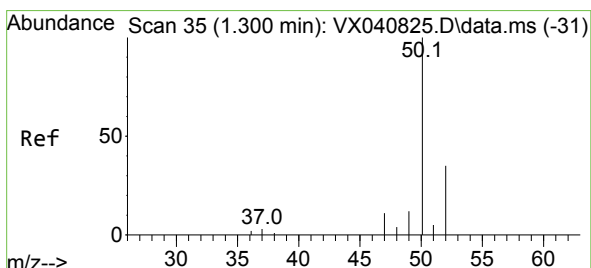
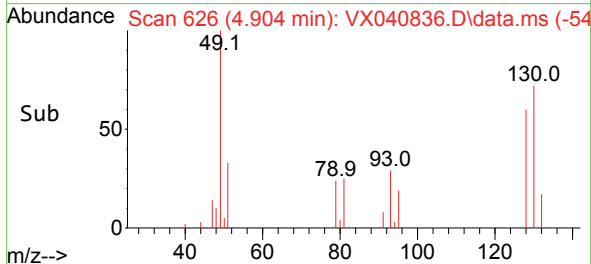
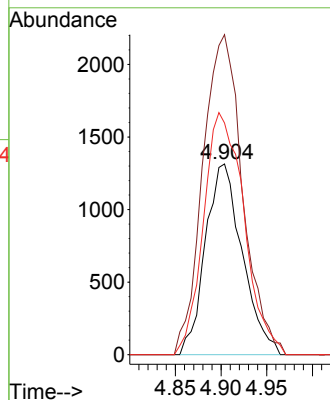
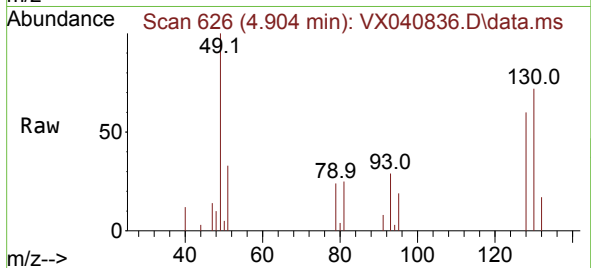




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

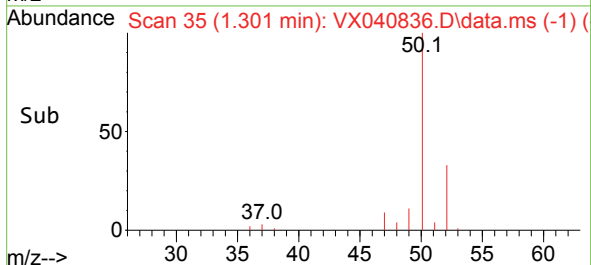
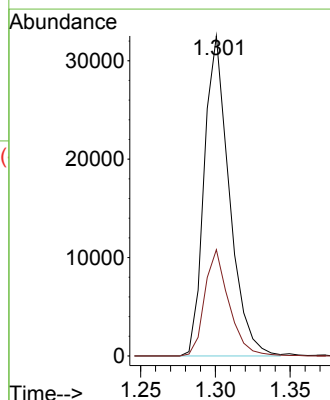
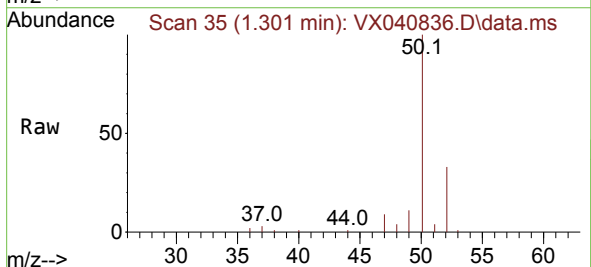
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

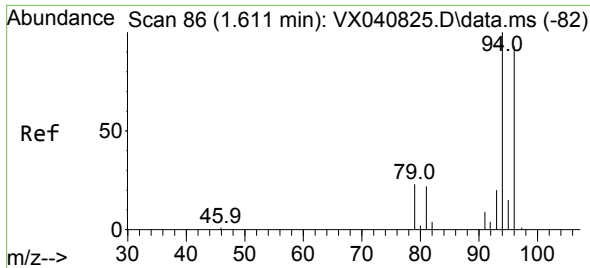
Tgt Ion:128 Resp: 3689
Ion Ratio Lower Upper
128 100
49 181.0 0.0 444.0
130 139.5 0.0 297.8



#3
Chloromethane
Concen: 64.413 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 50 Resp: 37976
Ion Ratio Lower Upper
50 100
52 33.2 27.8 41.8

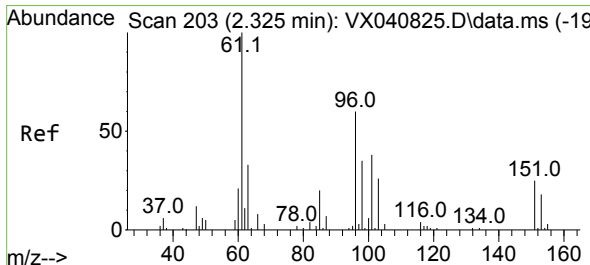
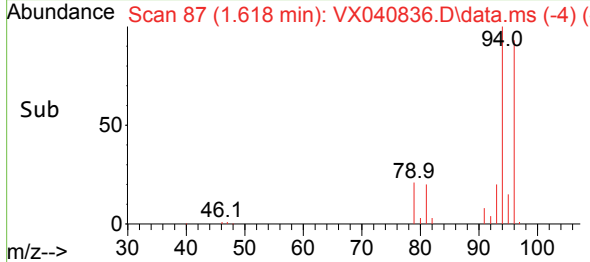
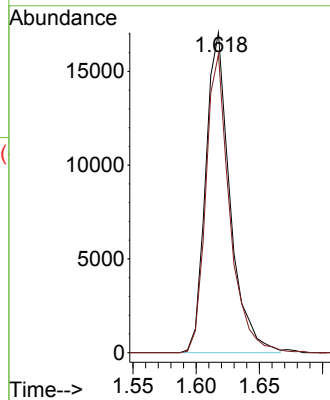
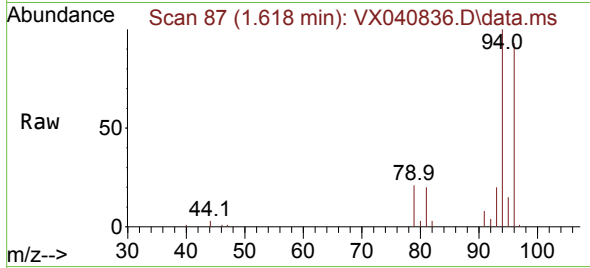




#5
Bromomethane
Concen: 59.576 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

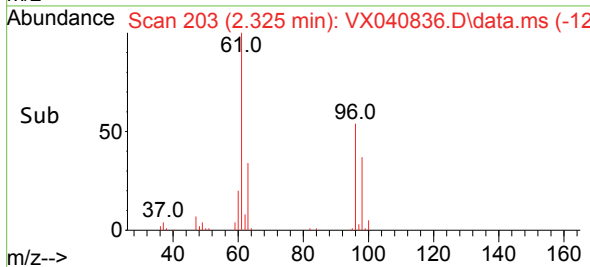
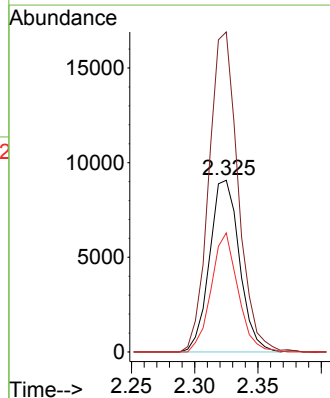
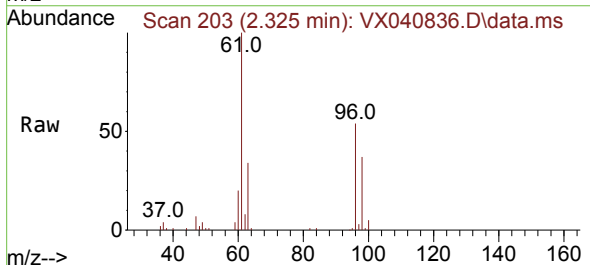
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

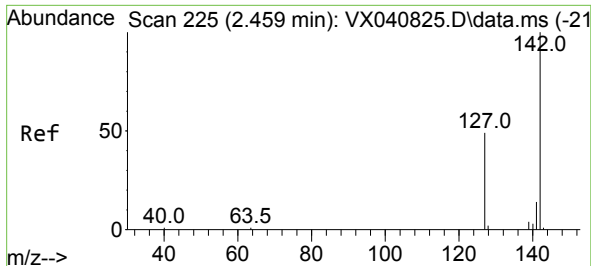
Tgt Ion: 94 Resp: 22864
Ion Ratio Lower Upper
94 100
96 93.3 74.9 112.3



#10
1,1-Dichloroethene
Concen: 26.987 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

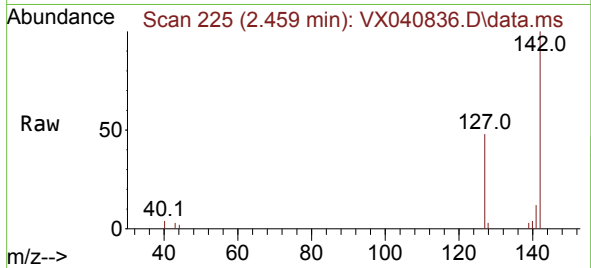
Tgt Ion: 96 Resp: 14905
Ion Ratio Lower Upper
96 100
61 186.4 138.3 207.5
98 69.4 49.8 74.6



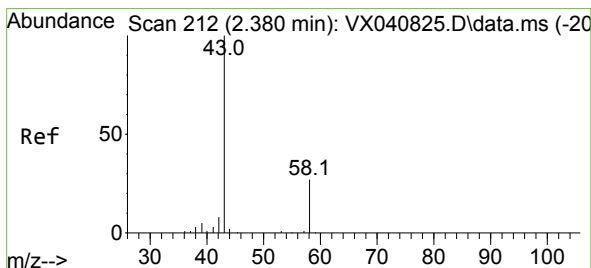
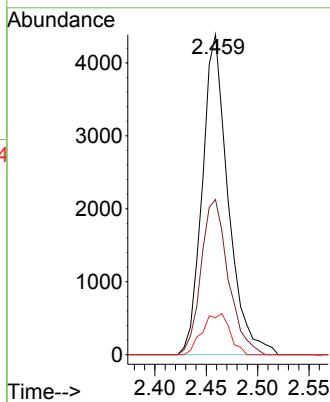
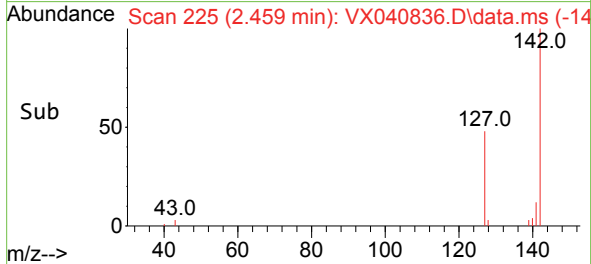


#11
Methyl Iodide
Concen: 10.157 ug/l
RT: 2.459 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

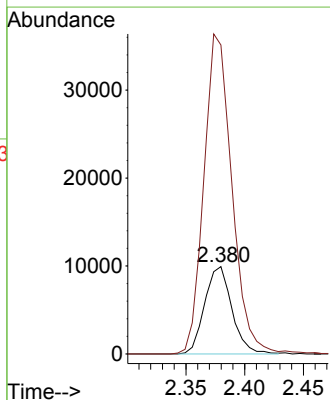
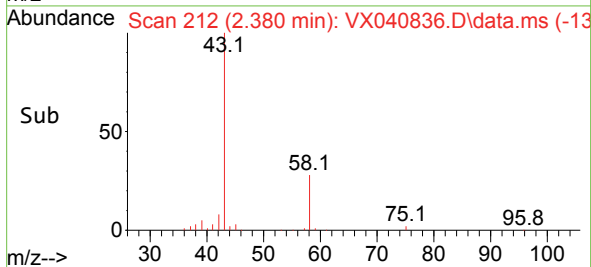
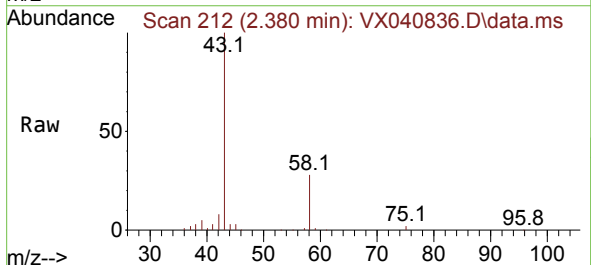


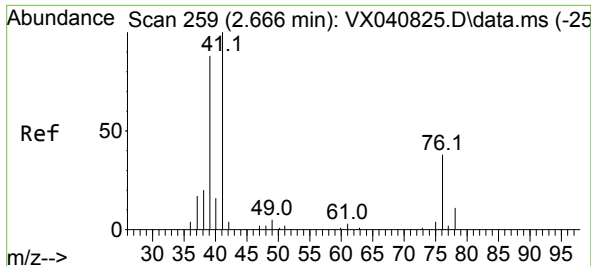
Tgt Ion:142 Resp: 7668
Ion Ratio Lower Upper
142 100
127 48.5 23.8 71.4
141 11.5 6.9 20.6



#15
Acetone
Concen: 163.623 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 58 Resp: 16017
Ion Ratio Lower Upper
58 100
43 352.4 249.9 374.9





#17

Allyl chloride

Concen: 0.720 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.122 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

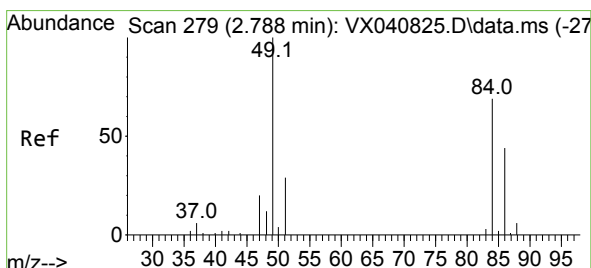
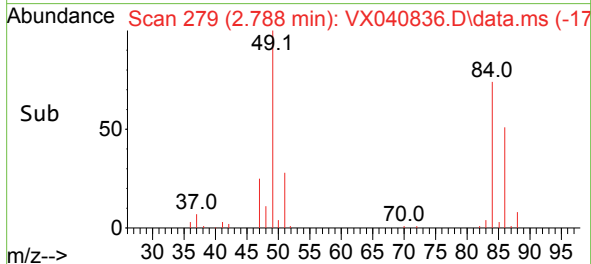
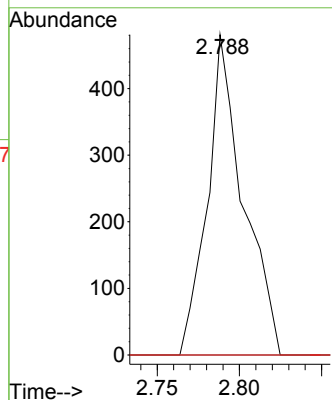
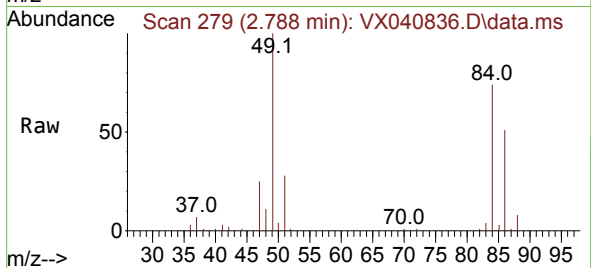
Tgt Ion: 41 Resp: 730

Ion Ratio Lower Upper

41 100

39 0.0 36.5 109.5#

76 0.0 19.7 59.0#



#18

Methylene Chloride

Concen: 37.916 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Tgt Ion: 84 Resp: 22533

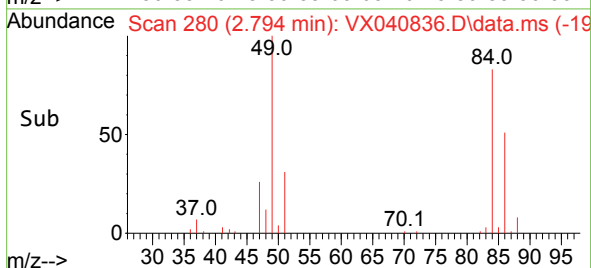
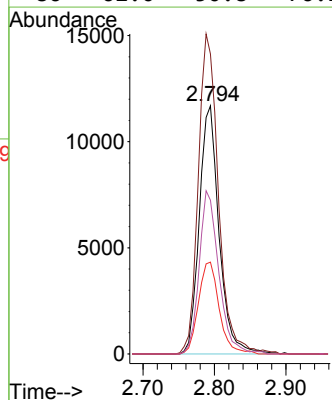
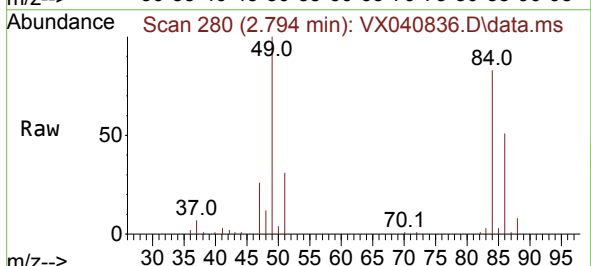
Ion Ratio Lower Upper

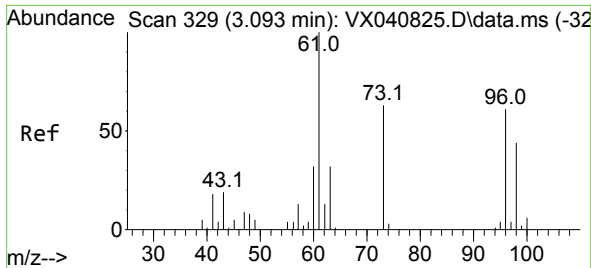
84 100

49 120.9 103.8 155.8

51 37.0 31.8 47.6

86 62.0 50.8 76.2

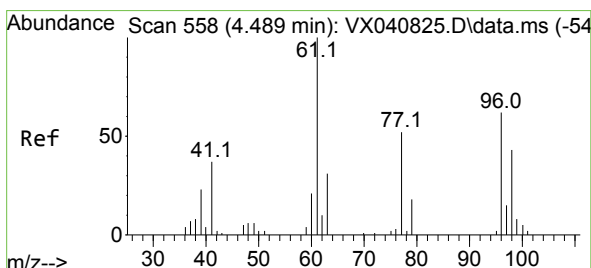
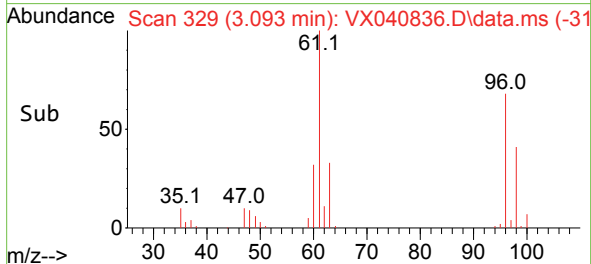
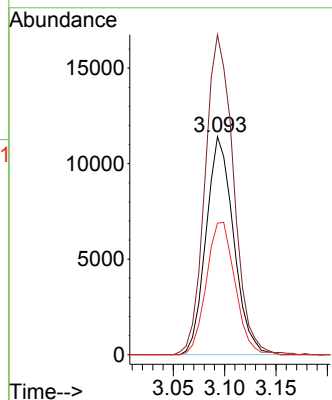
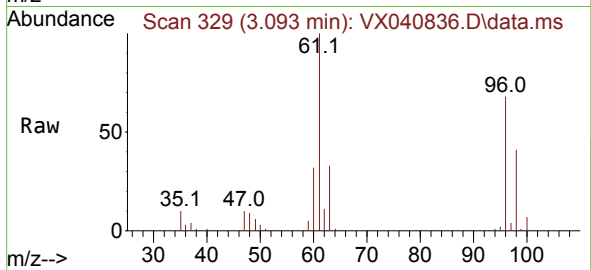




#19
trans-1,2-Dichloroethene
Concen: 36.919 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

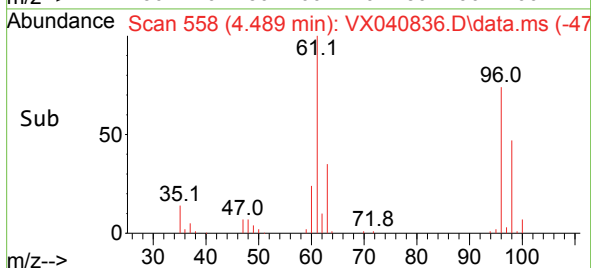
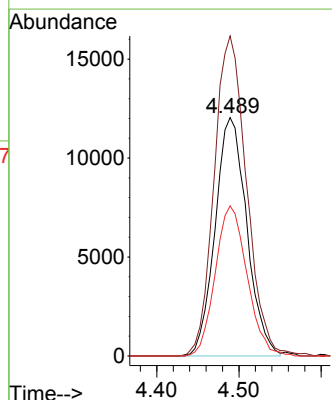
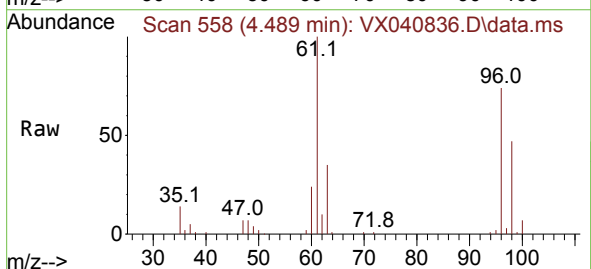
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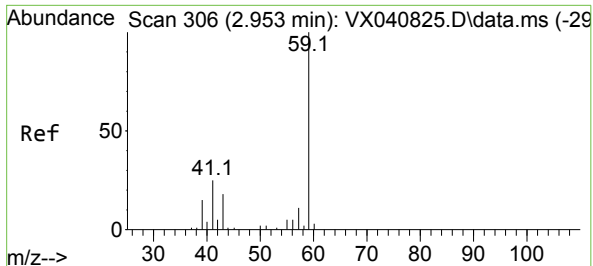
Tgt Ion: 96 Resp: 21308
Ion Ratio Lower Upper
96 100
61 145.7 117.9 176.9
98 60.3 51.0 76.6



#22
cis-1,2-Dichloroethene
Concen: 47.531 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 96 Resp: 32232
Ion Ratio Lower Upper
96 100
61 137.3 119.8 179.6
98 63.2 50.9 76.3





#23

tert-Butyl Alcohol

Concen: 8.450 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.140 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

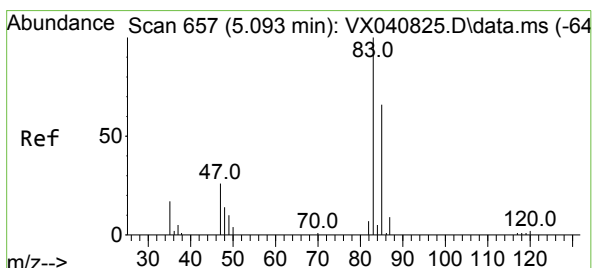
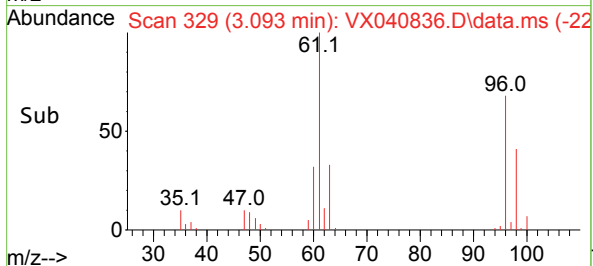
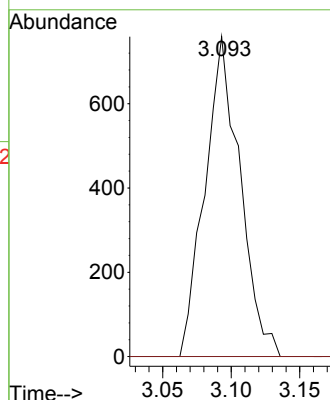
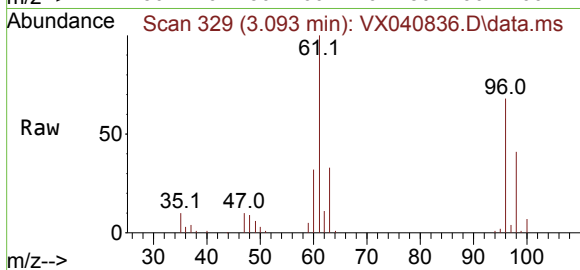
PT-VOA-WP

Tgt Ion: 59 Resp: 1353

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 67.738 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX040836.D

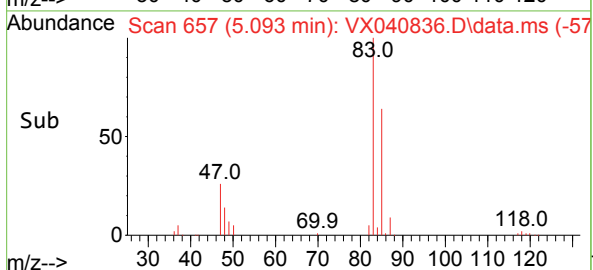
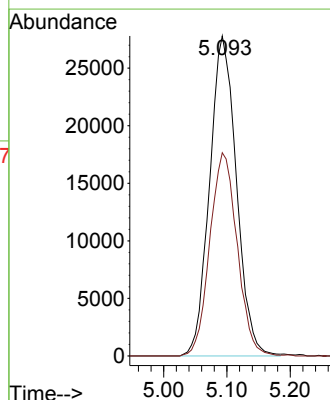
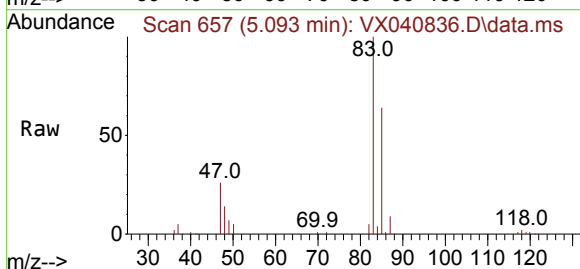
Acq: 29 Mar 2024 13:27

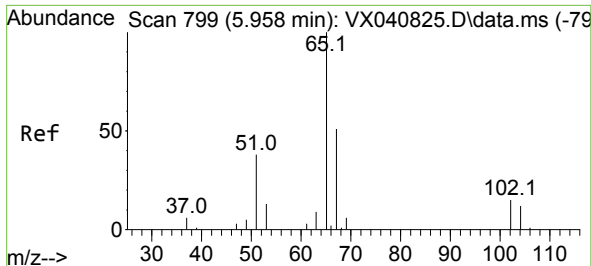
Tgt Ion: 83 Resp: 81829

Ion Ratio Lower Upper

83 100

85 63.5 54.6 81.8





#27

1,2-Dichloroethane-d4

Concen: 32.109 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

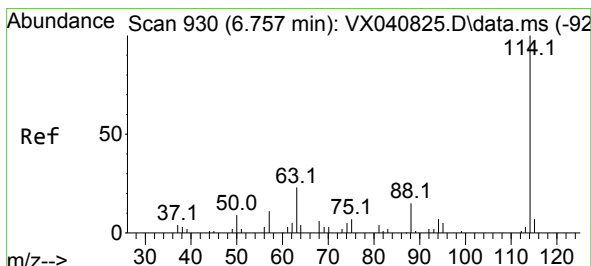
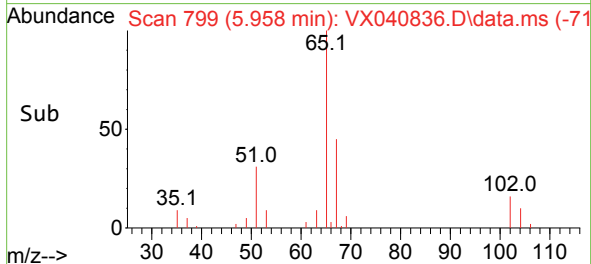
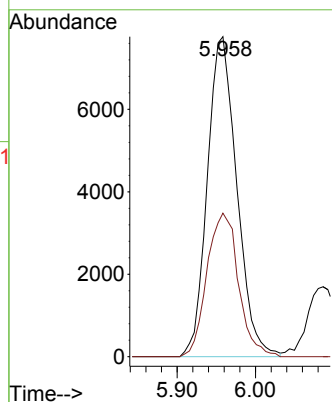
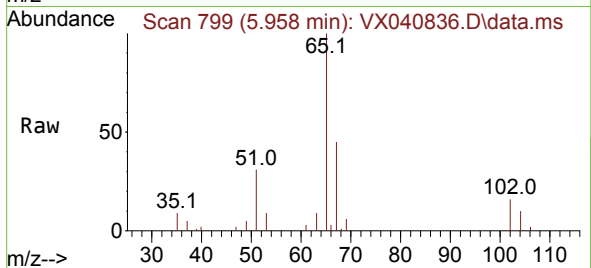
PT-VOA-WP

Tgt Ion: 65 Resp: 20301

Ion Ratio Lower Upper

65 100

67 47.9 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

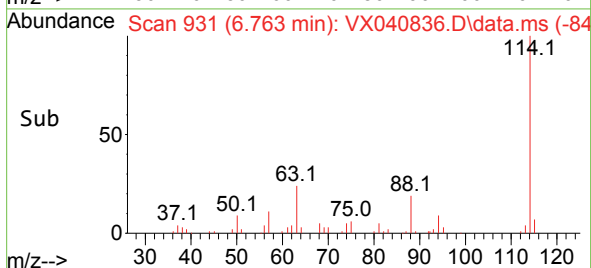
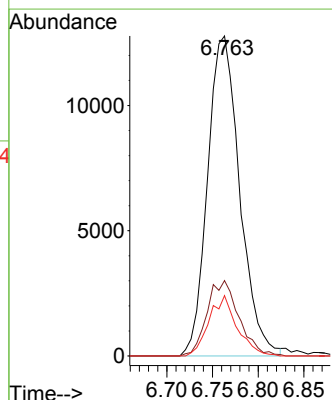
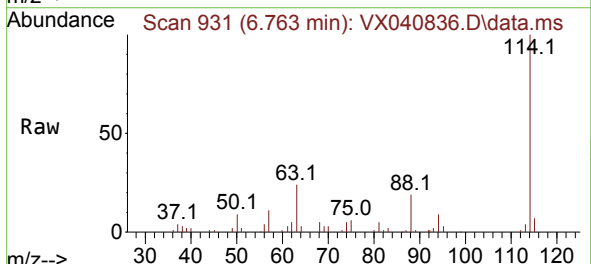
Tgt Ion: 114 Resp: 31264

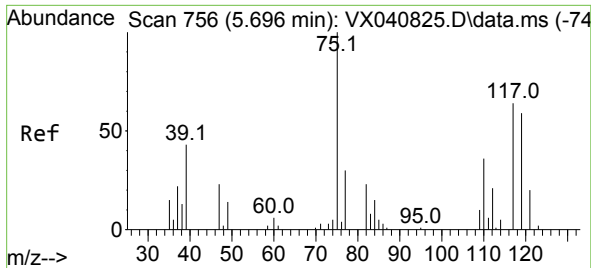
Ion Ratio Lower Upper

114 100

63 23.4 17.0 25.4

88 16.5 12.7 19.1





#29

1,1-Dichloropropene

Concen: 0.825 ug/l

RT: 6.038 min Scan# 81

Delta R.T. 0.342 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

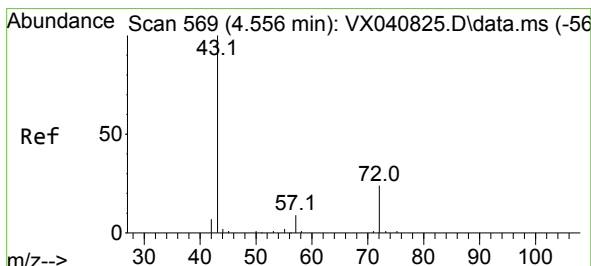
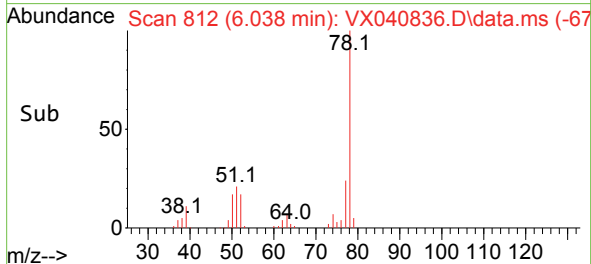
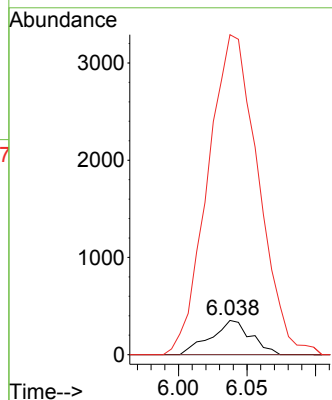
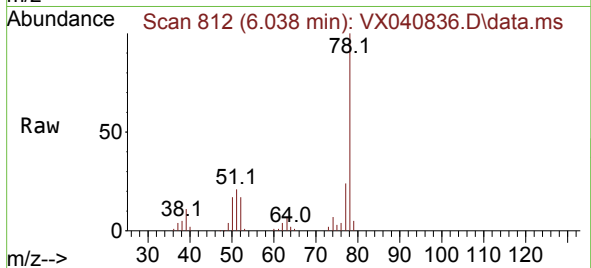
Tgt Ion: 75 Resp: 720

Ion Ratio Lower Upper

75 100

110 0.0 0.0 71.2

77 1169.6 0.0 62.6#



#30

2-Butanone

Concen: 62.396 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

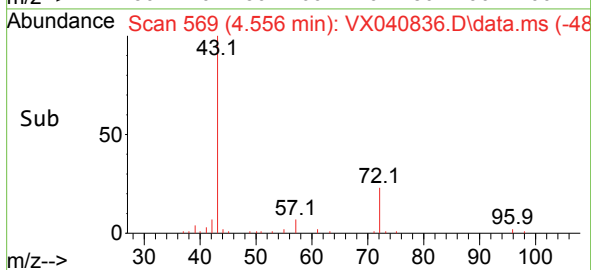
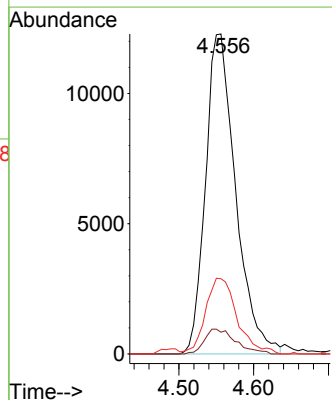
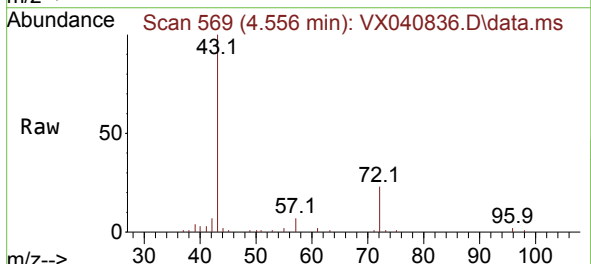
Tgt Ion: 43 Resp: 34441

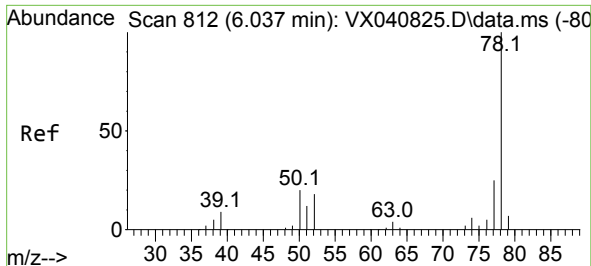
Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

72 23.0 20.6 31.0

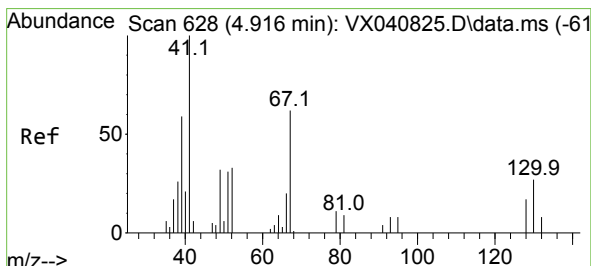
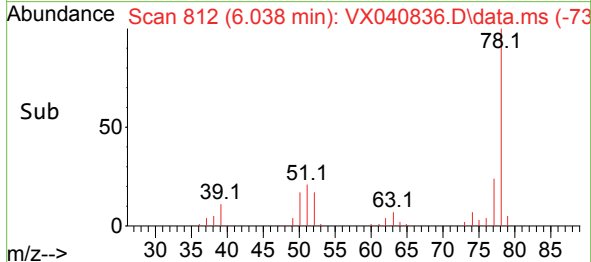
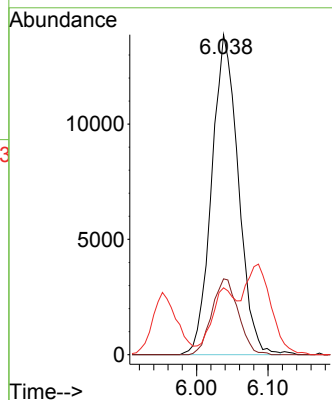
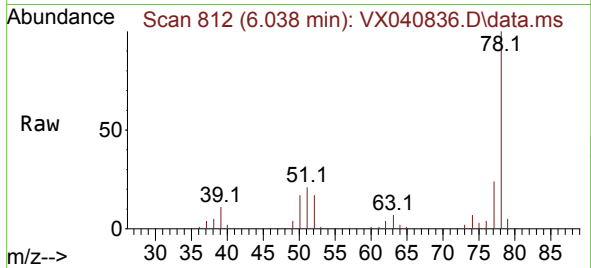




#34
Benzene
Concen: 14.308 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

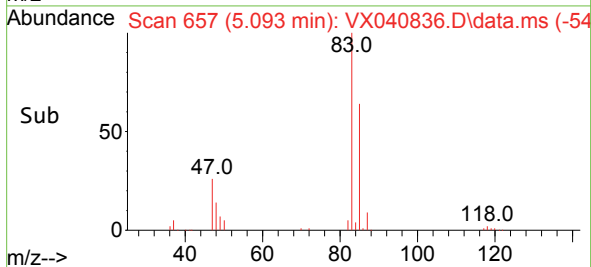
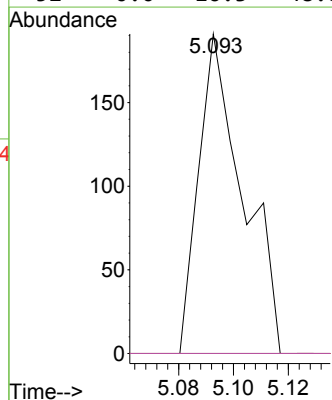
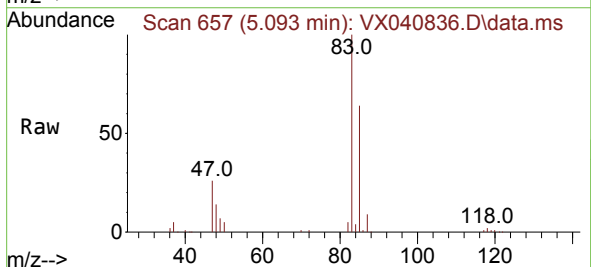
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

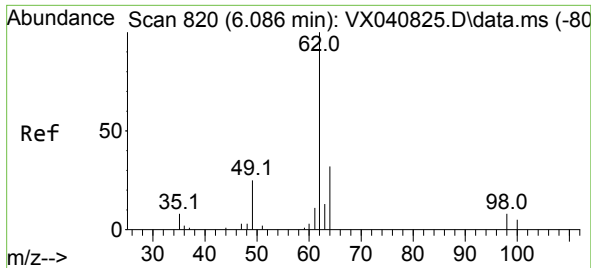
Tgt Ion: 78 Resp: 35805
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
51 15.2 14.4 21.6



#35
Methacrylonitrile
Concen: 0.366 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.177 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 41 Resp: 214
Ion Ratio Lower Upper
41 100
39 0.0 28.2 84.7#
67 0.0 34.5 103.5#
52 0.0 16.3 48.8#

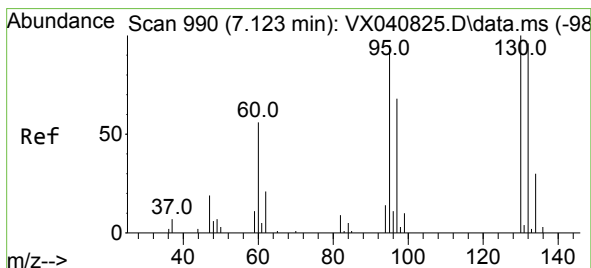
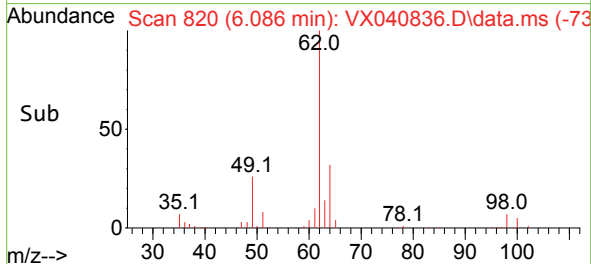
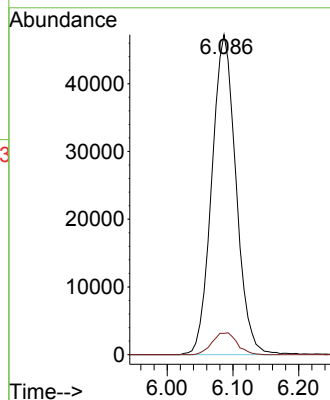
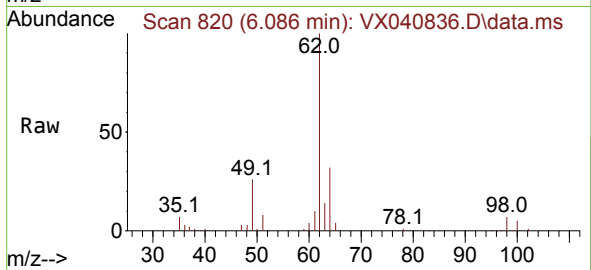




#36
1,2-Dichloroethane
Concen: 111.295 ug/l
RT: 6.086 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

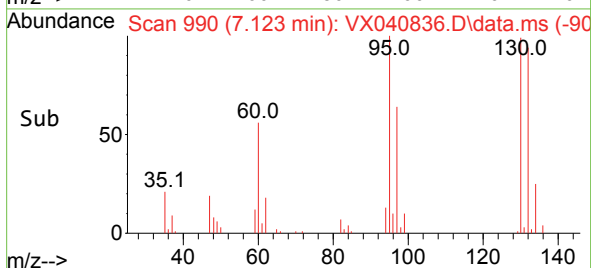
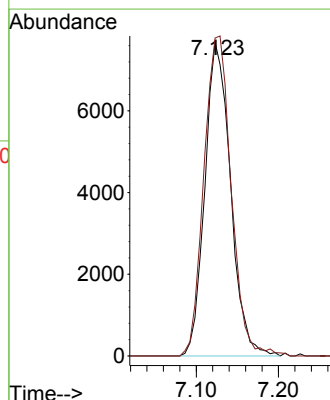
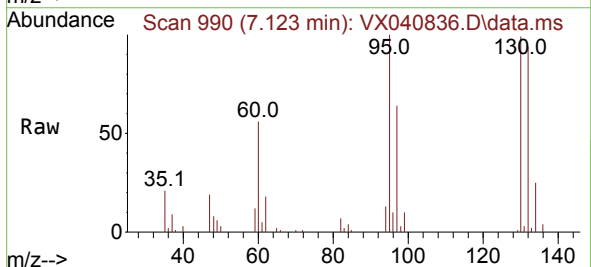
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

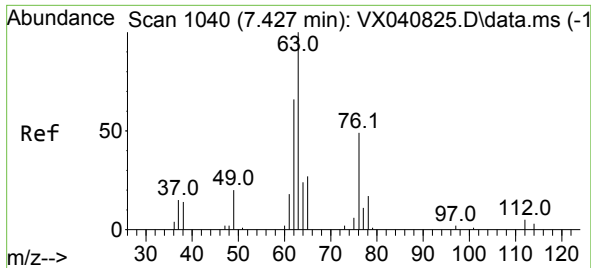
Tgt Ion: 62 Resp: 121013
Ion Ratio Lower Upper
62 100
98 7.1 7.0 10.4



#37
Trichloroethene
Concen: 26.967 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion:130 Resp: 16671
Ion Ratio Lower Upper
130 100
95 101.3 85.8 128.8

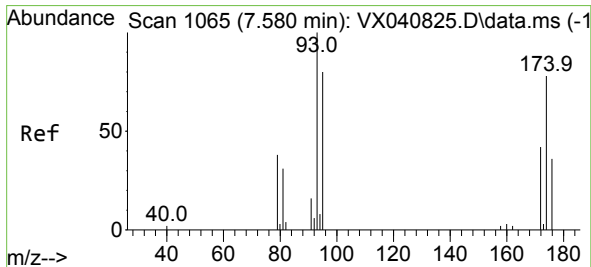
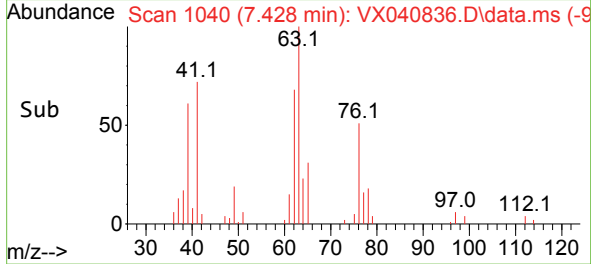
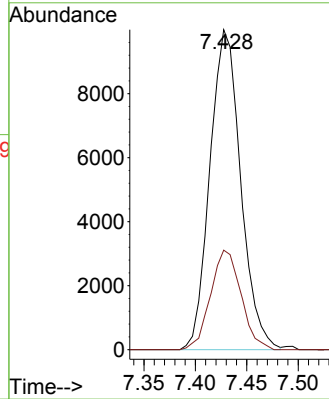
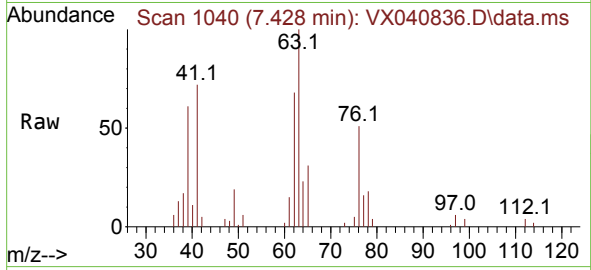




#39
1,2-Dichloropropane
Concen: 35.045 ug/l
RT: 7.428 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

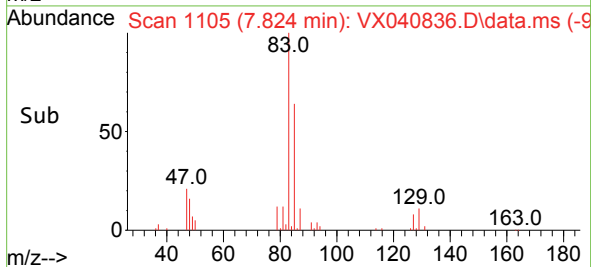
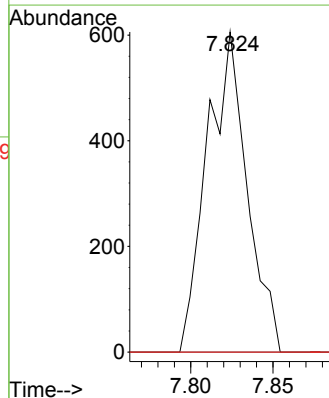
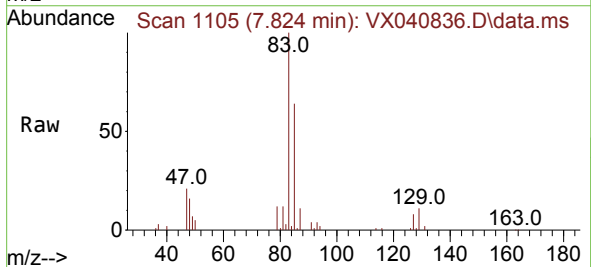
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

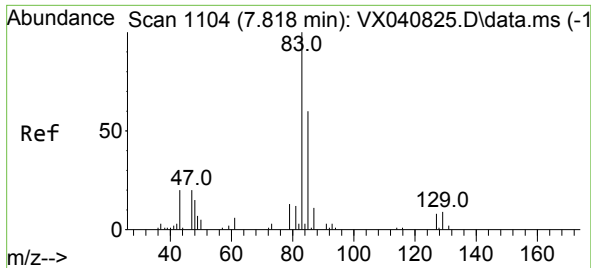
Tgt Ion: 63 Resp: 20836
Ion Ratio Lower Upper
63 100
65 31.1 24.6 37.0



#40
Dibromomethane
Concen: 2.081 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.244 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 93 Resp: 1026
Ion Ratio Lower Upper
93 100
95 0.0 0.0 163.4
174 0.0 0.0 166.4

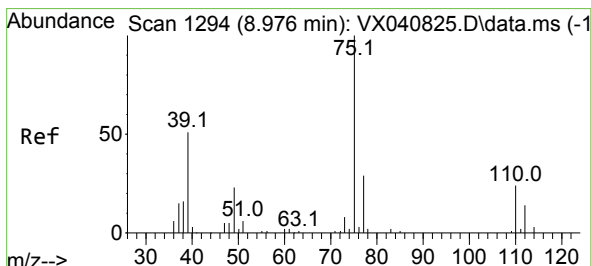
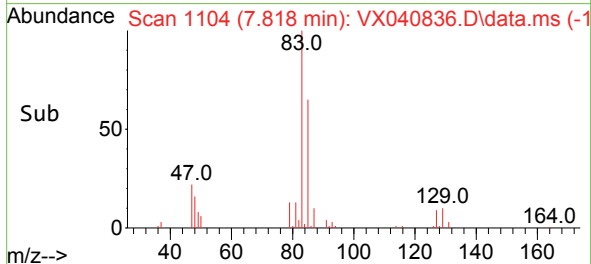
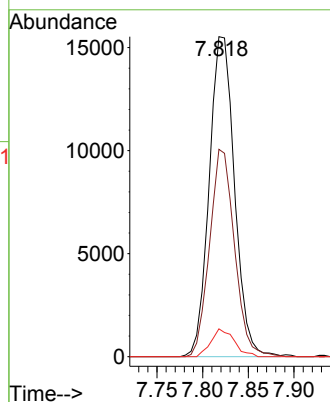
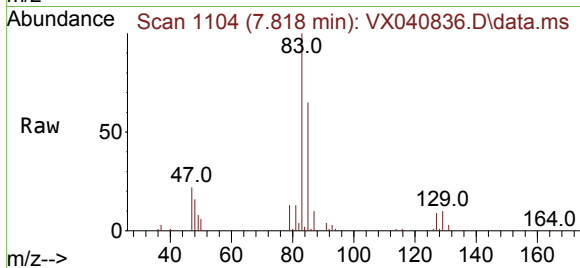




#41
Bromodichloromethane
Concen: 29.883 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

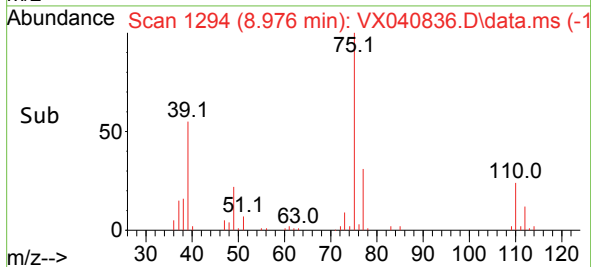
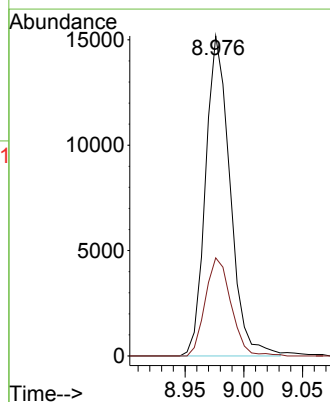
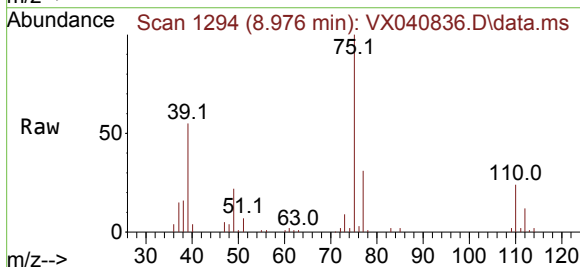
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

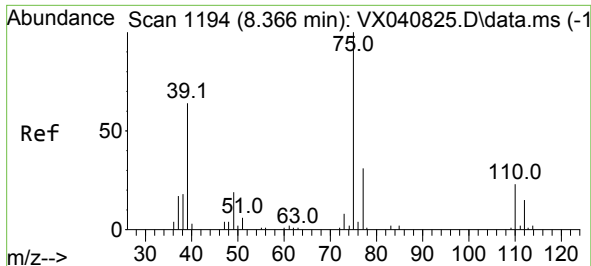
Tgt Ion: 83 Resp: 29906
Ion Ratio Lower Upper
83 100
85 64.8 50.8 76.2
127 8.7 5.9 8.9



#48
t-1,3-Dichloropropene
Concen: 22.185 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 75 Resp: 22025
Ion Ratio Lower Upper
75 100
77 30.7 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 101.680 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

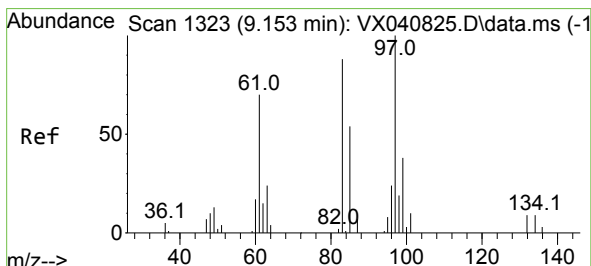
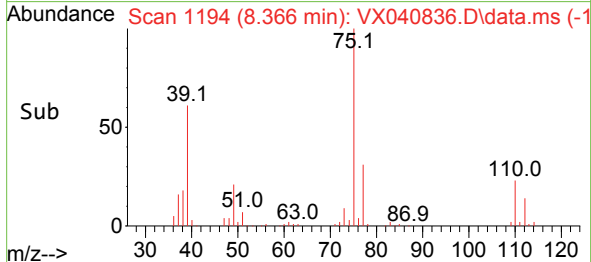
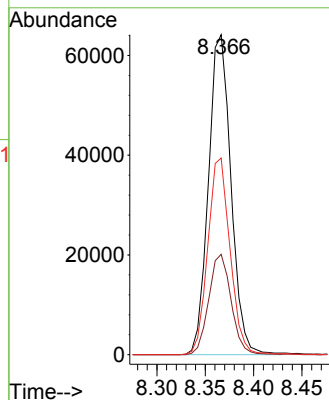
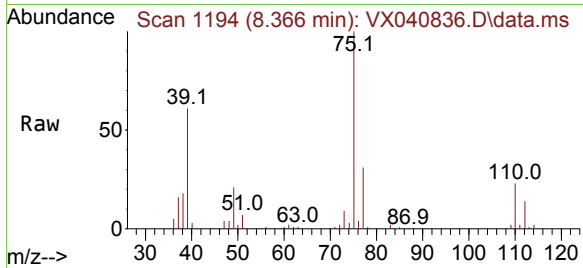
Tgt Ion: 75 Resp: 104291

Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6

39 61.5 40.6 60.8#



#50

1,1,2-Trichloroethane

Concen: 33.795 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Tgt Ion: 97 Resp: 20431

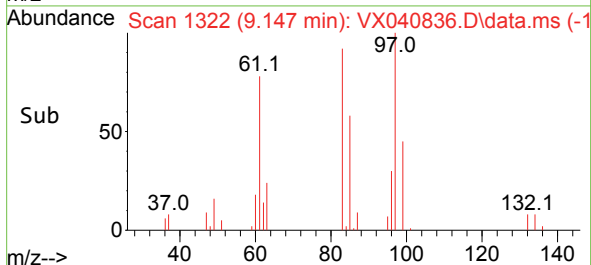
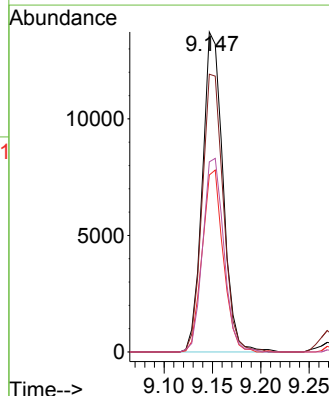
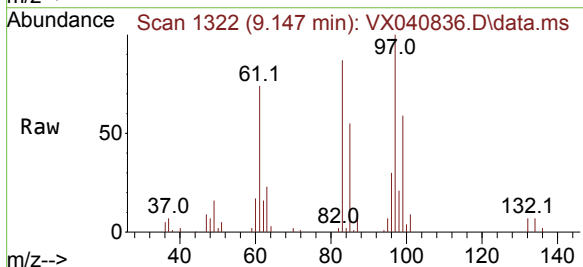
Ion Ratio Lower Upper

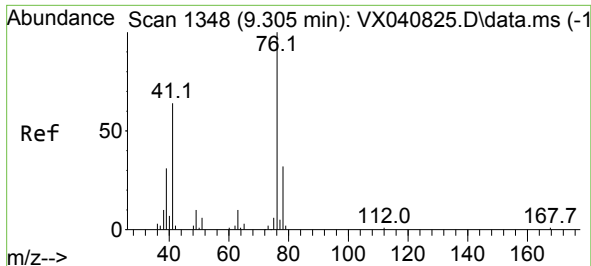
97 100

83 86.8 69.0 103.6

85 55.3 46.3 69.5

99 59.4 50.9 76.3





#52

1,3-Dichloropropane

Concen: 0.745 ug/l

RT: 8.970 min Scan# 1

Delta R.T. -0.335 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

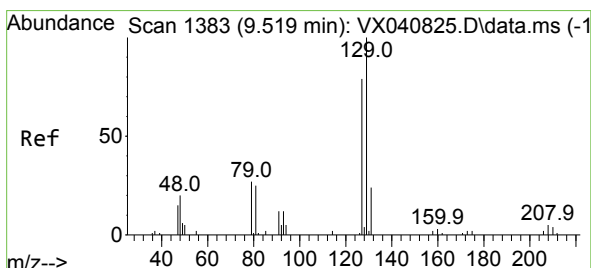
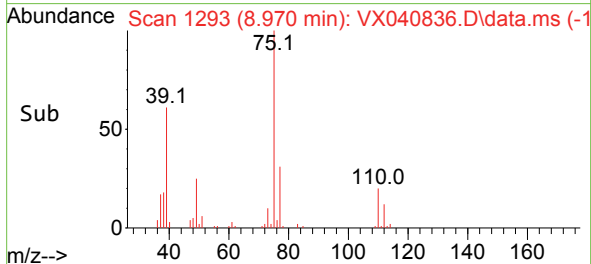
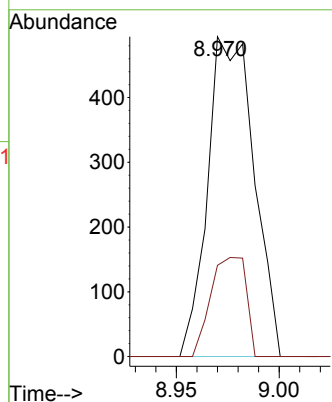
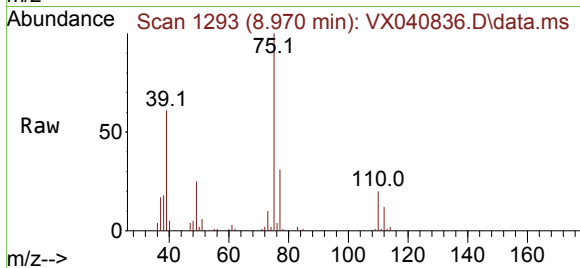
PT-VOA-WP

Tgt Ion: 76 Resp: 774

Ion Ratio Lower Upper

76 100

78 23.8 0.0 65.0



#53

Dibromochloromethane

Concen: 90.397 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX040836.D

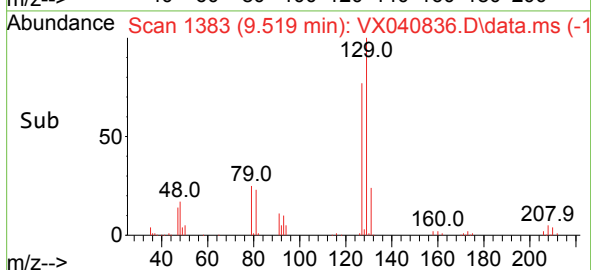
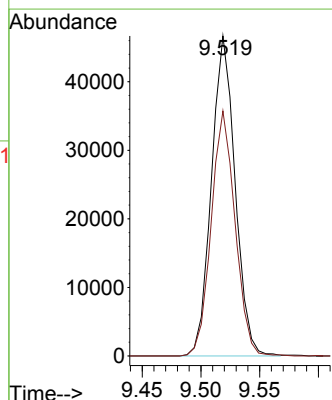
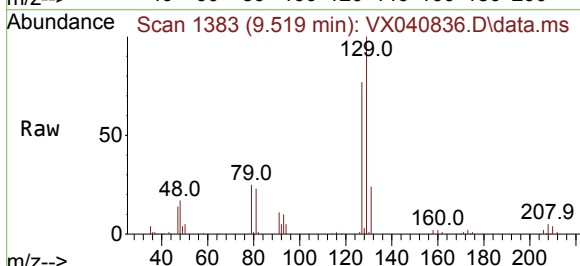
Acq: 29 Mar 2024 13:27

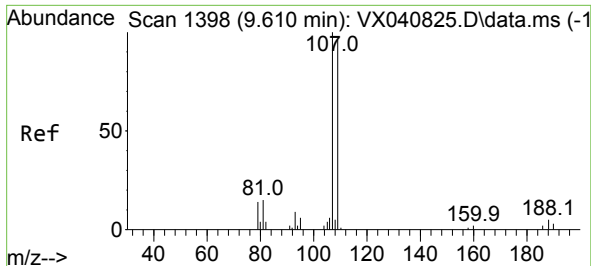
Tgt Ion: 129 Resp: 65480

Ion Ratio Lower Upper

129 100

127 77.1 38.3 114.9

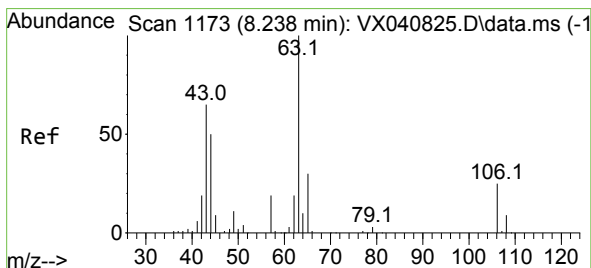
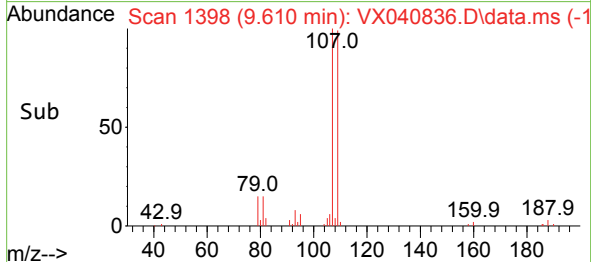
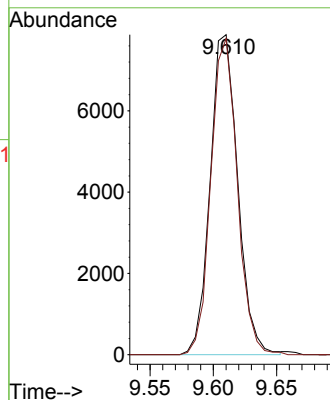
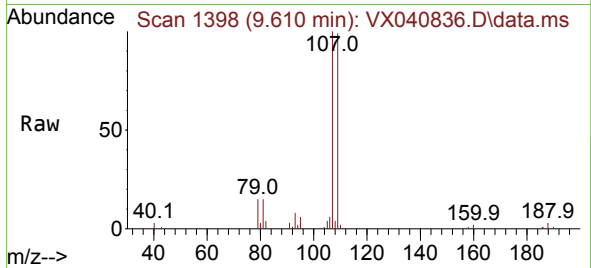




#54
1,2-Dibromoethane
Concen: 17.859 ug/l
RT: 9.610 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

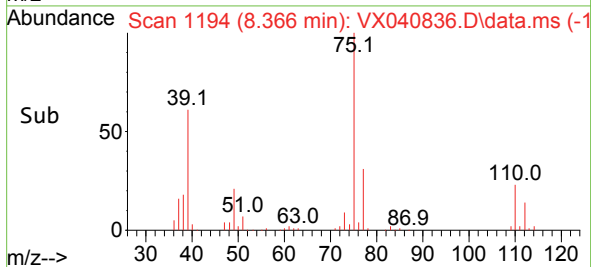
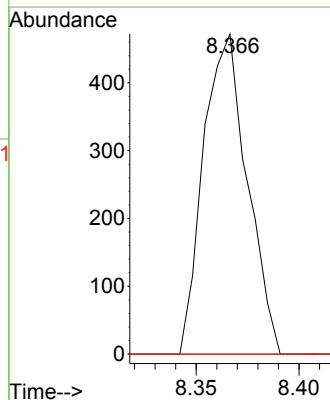
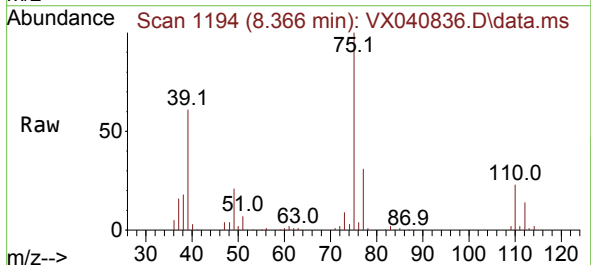
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

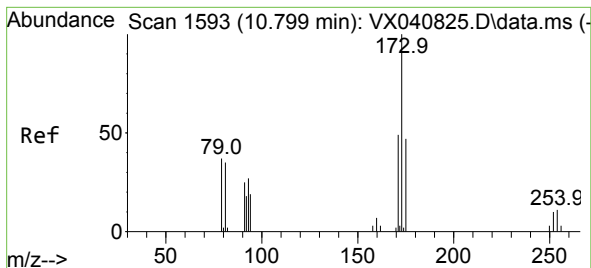
Tgt Ion:107 Resp: 11950
Ion Ratio Lower Upper
107 100
109 94.5 75.1 112.7



#55
2-Chloroethyl vinyl ether
Concen: 1.355 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.128 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 63 Resp: 700
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#
106 0.0 20.6 31.0#





#56

Bromoform

Concen: 1.160 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

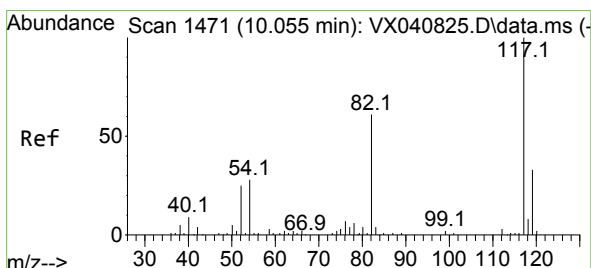
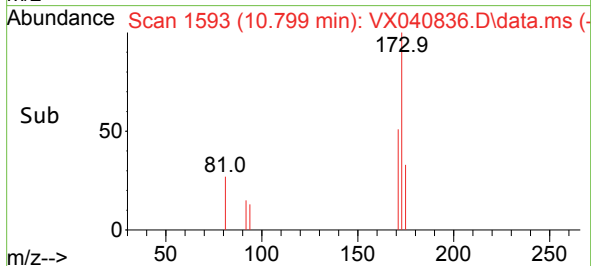
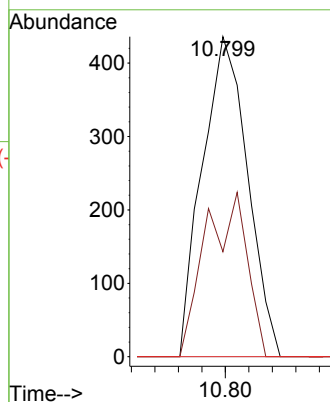
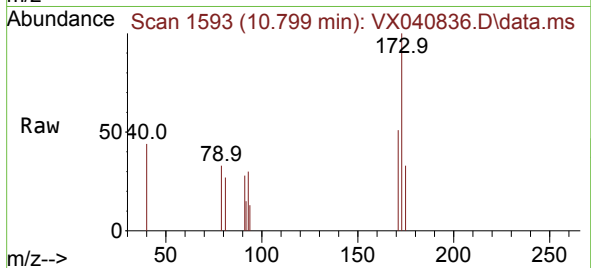
Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tgt Ion:	173	Resp:	584
Ion Ratio	Lower	Upper	
173	100		
175	47.4	37.6	56.4
254	0.0	5.8	8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

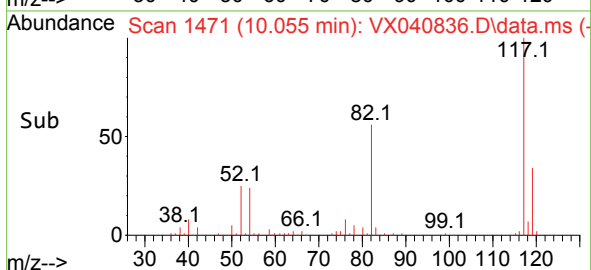
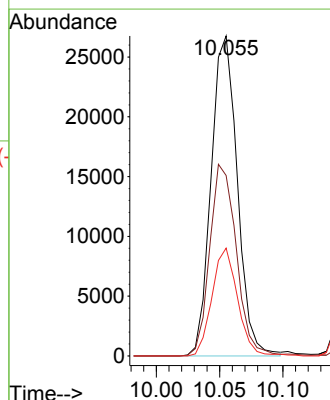
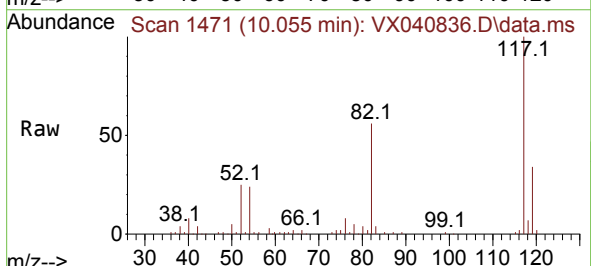
RT: 10.055 min Scan# 1471

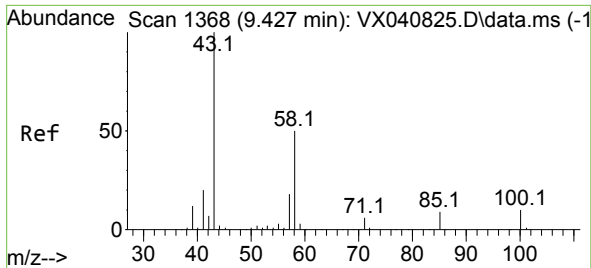
Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Tgt Ion:	117	Resp:	38542
Ion Ratio	Lower	Upper	
117	100		
82	60.7	47.0	70.6
119	32.7	25.2	37.8

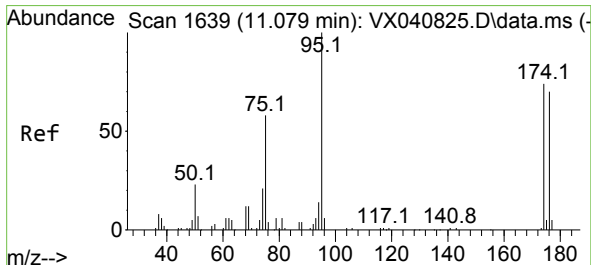
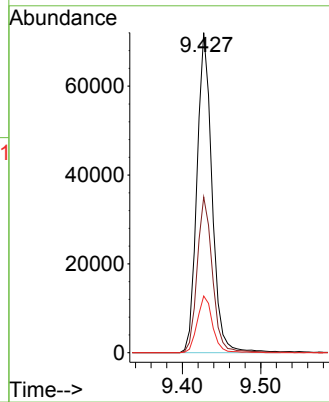
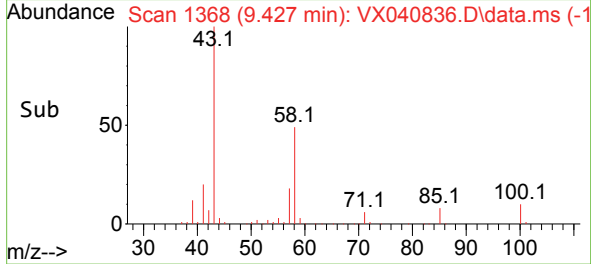
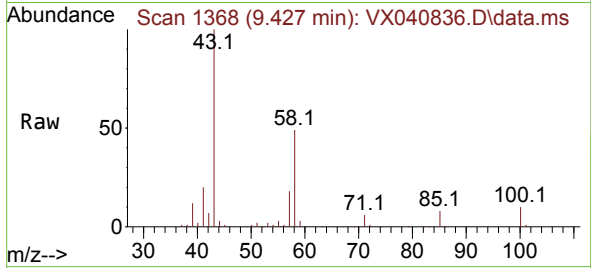




#59
2-Hexanone
Concen: 111.296 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

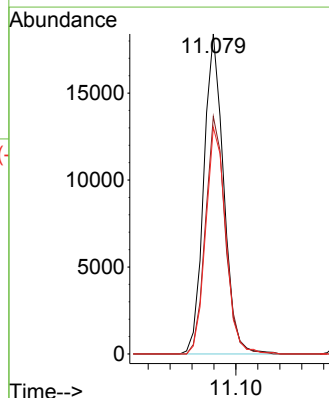
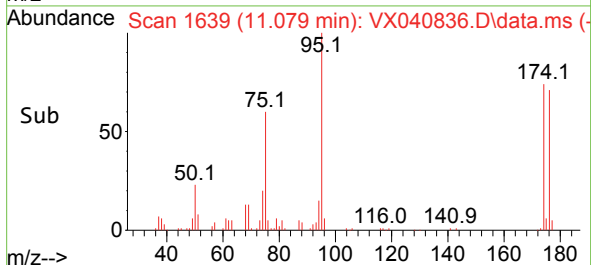
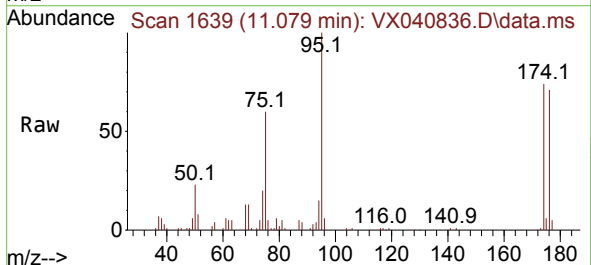
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

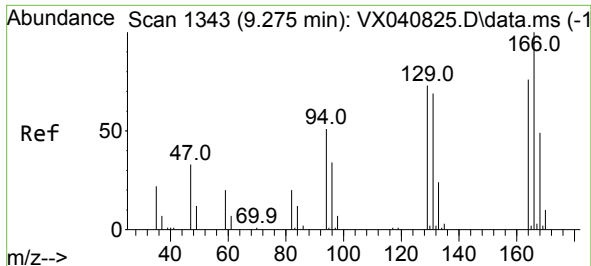
Tgt Ion:	43	Resp:	96549
Ion	Ratio	Lower	Upper
43	100		
58	49.2	42.7	64.1
57	17.9	14.8	22.2



#60
4-Bromofluorobenzene
Concen: 27.455 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

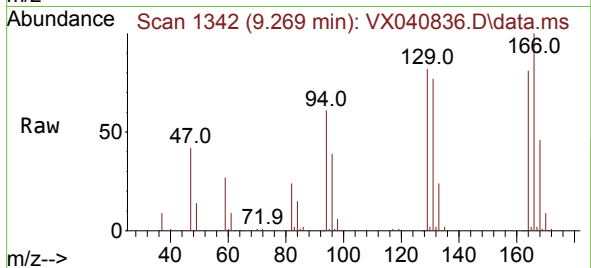
Tgt Ion:	95	Resp:	23116
Ion	Ratio	Lower	Upper
95	100		
174	74.1	55.4	83.2
176	71.6	52.6	78.8



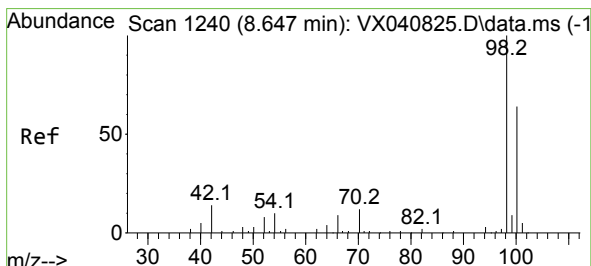
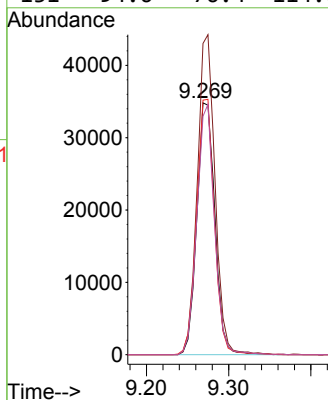
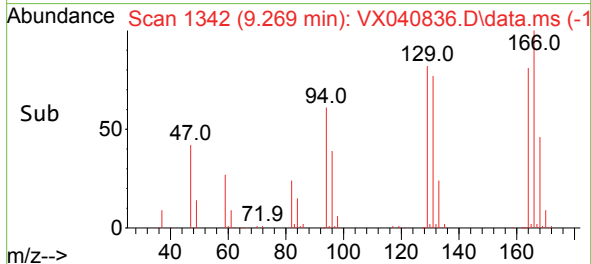


#61
Tetrachloroethene
Concen: 102.453 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

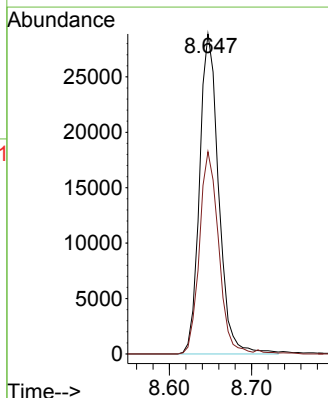
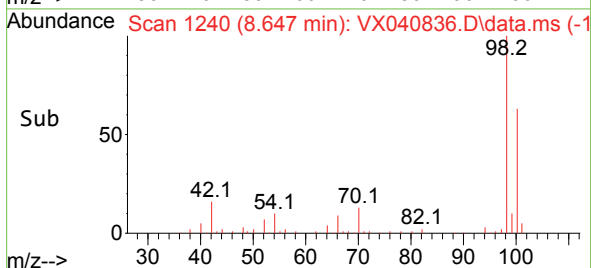
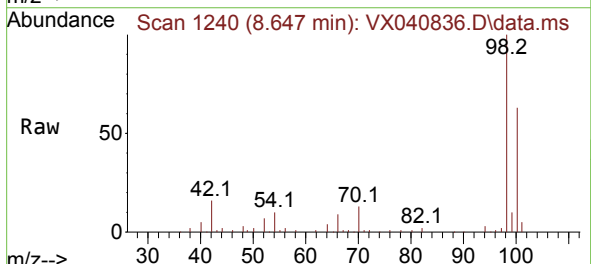


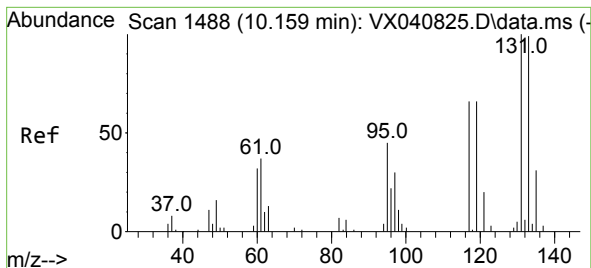
Tgt Ion:164 Resp: 52932
Ion Ratio Lower Upper
164 100
166 123.6 104.0 156.0
129 100.9 82.0 123.0
131 94.6 76.4 114.6



#63
Toluene-d8
Concen: 30.925 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 98 Resp: 46727
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4





#65

1,1,1,2-Tetrachloroethane

Concen: 91.200 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

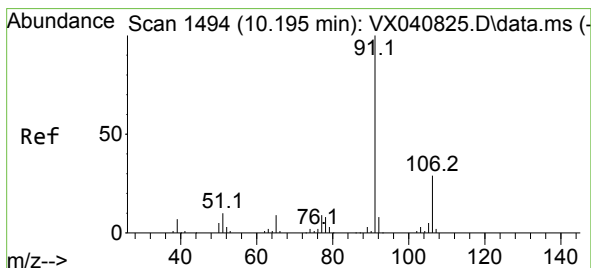
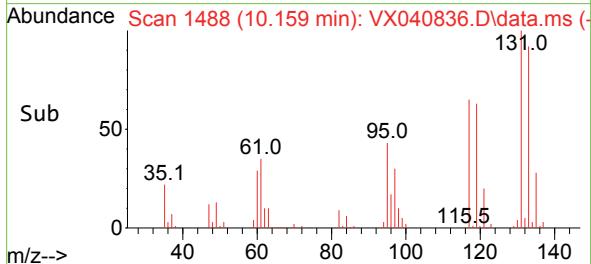
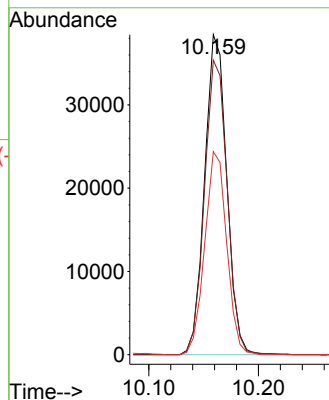
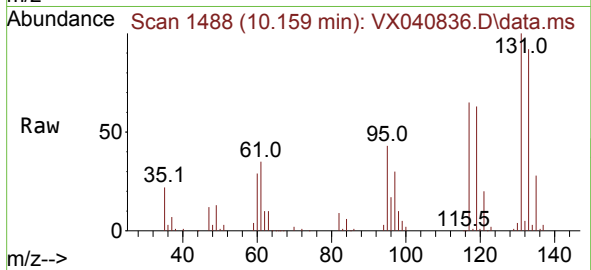
Tgt Ion:131 Resp: 53859

Ion Ratio Lower Upper

131 100

133 94.7 0.0 191.8

119 63.1 0.0 135.4



#66

Ethyl Benzene

Concen: 49.886 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX040836.D

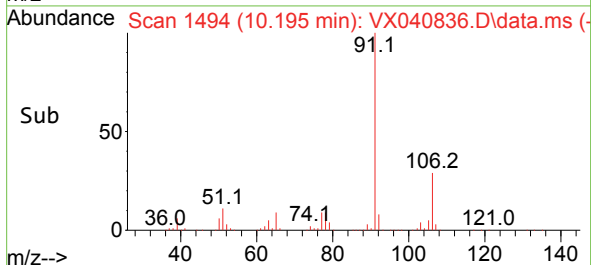
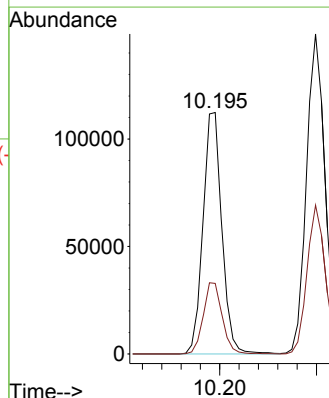
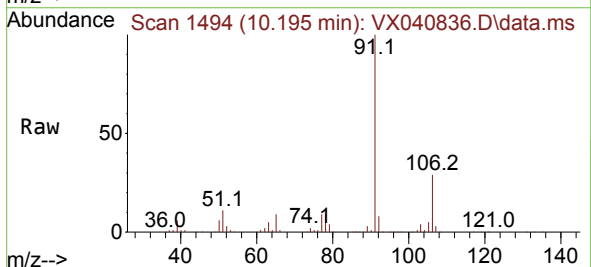
Acq: 29 Mar 2024 13:27

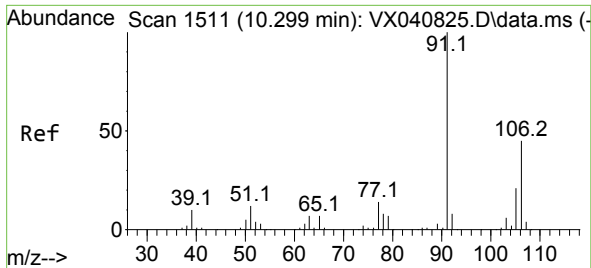
Tgt Ion: 91 Resp: 152851

Ion Ratio Lower Upper

91 100

106 29.3 24.4 36.6

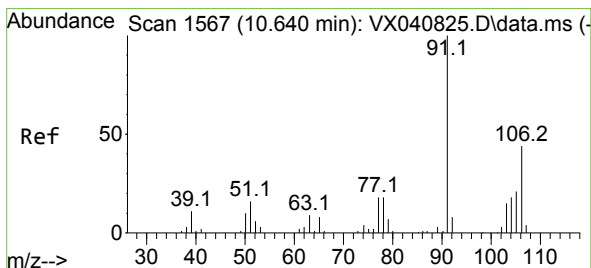
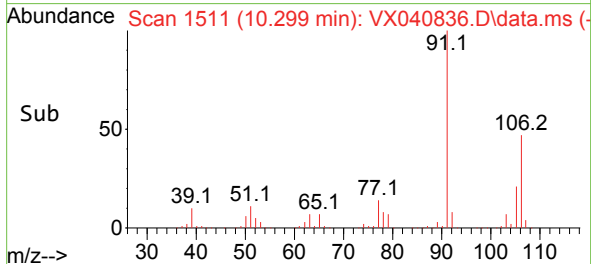
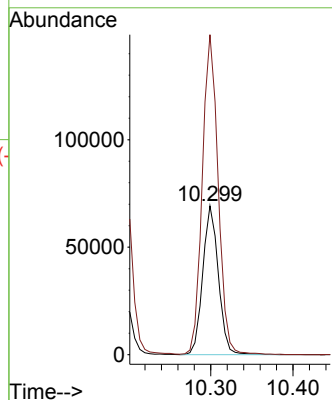
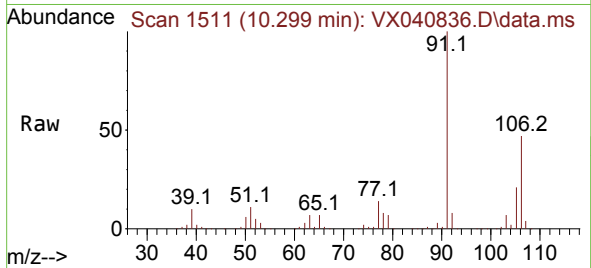




#67
m/p-Xylenes
Concen: 81.219 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

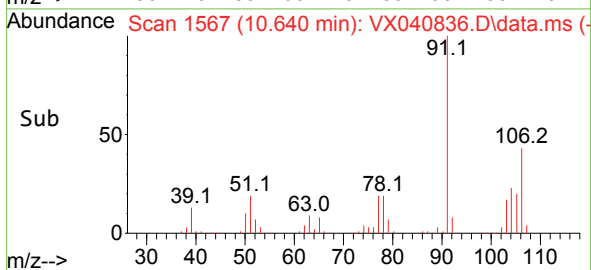
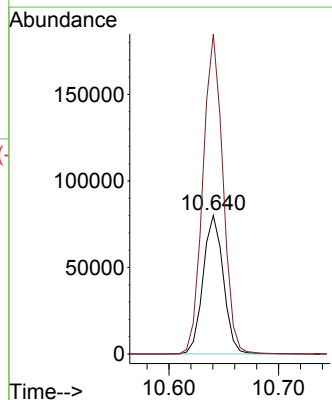
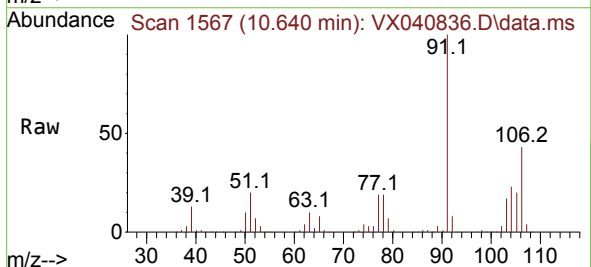
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

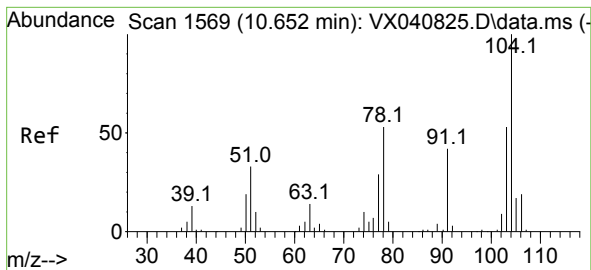
Tgt Ion:106 Resp: 91361
Ion Ratio Lower Upper
106 100
91 218.7 169.4 254.0



#68
o-Xylene
Concen: 97.030 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion:106 Resp: 102822
Ion Ratio Lower Upper
106 100
91 228.3 111.2 333.6





#69

Styrene

Concen: 104.832 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

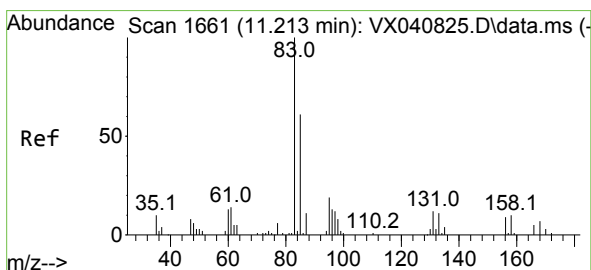
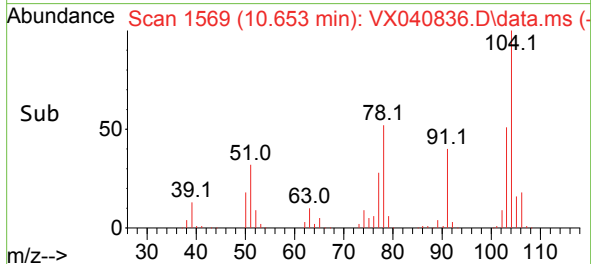
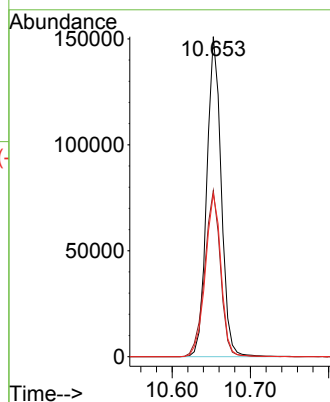
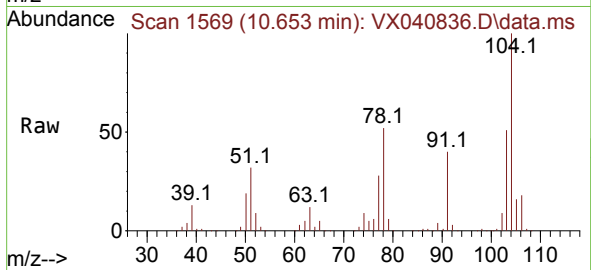
Tgt Ion:104 Resp: 192759

Ion Ratio Lower Upper

104 100

78 56.6 43.7 65.5

103 55.5 44.6 67.0



#71

1,1,2,2-Tetrachloroethane

Concen: 68.686 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

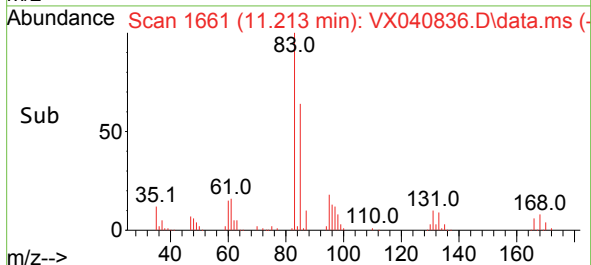
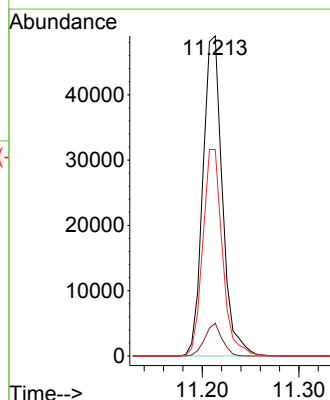
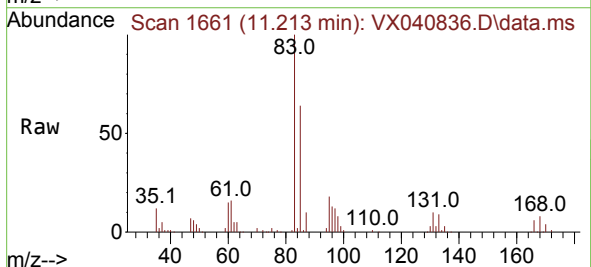
Tgt Ion: 83 Resp: 68860

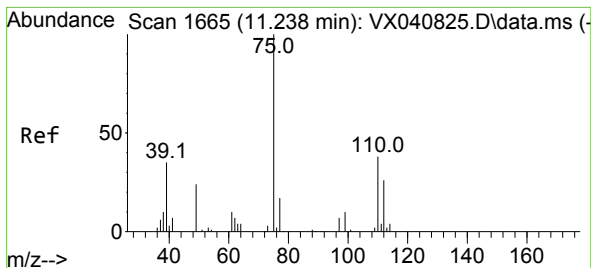
Ion Ratio Lower Upper

83 100

131 9.0 4.6 13.8

85 64.9 32.5 97.4





#72

1,2,3-Trichloropropane

Concen: 100.071 ug/l

RT: 11.238 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

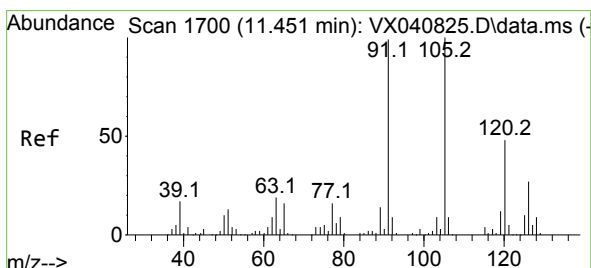
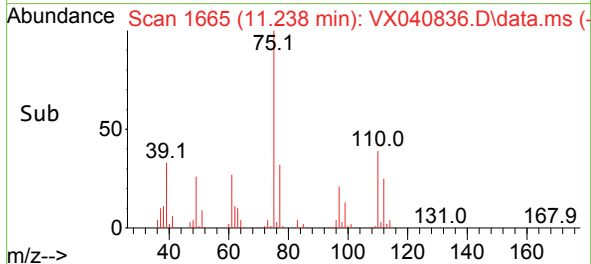
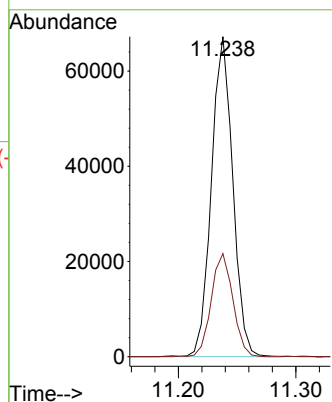
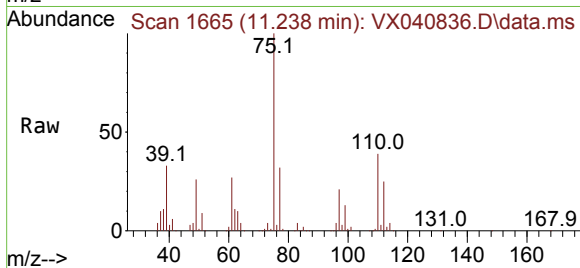
PT-VOA-WP

Tgt Ion: 75 Resp: 84936

Ion Ratio Lower Upper

75 100

77 32.5 0.0 76.4



#76

1,3,5-Trimethylbenzene

Concen: 57.548 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX040836.D

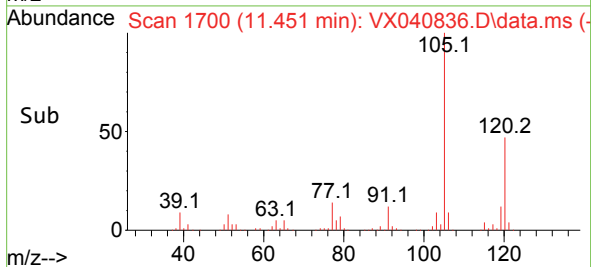
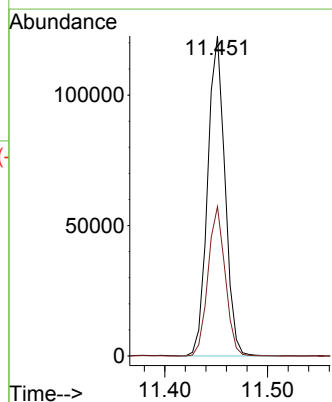
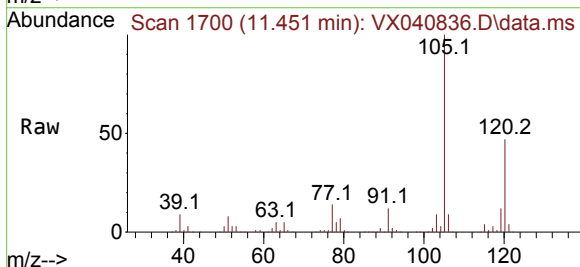
Acq: 29 Mar 2024 13:27

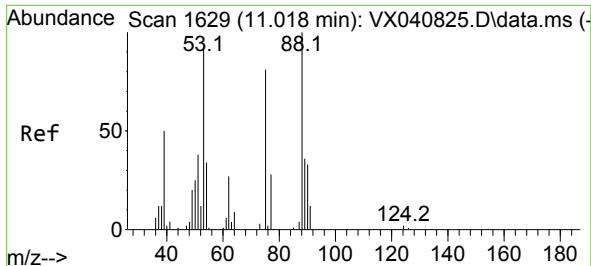
Tgt Ion:105 Resp: 143754

Ion Ratio Lower Upper

105 100

120 46.2 0.0 92.6

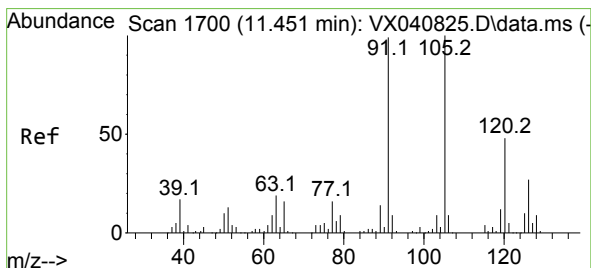
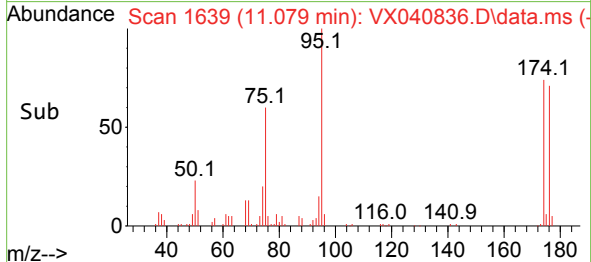
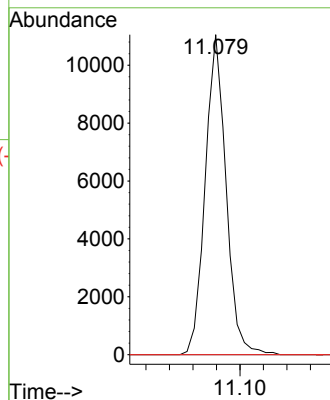
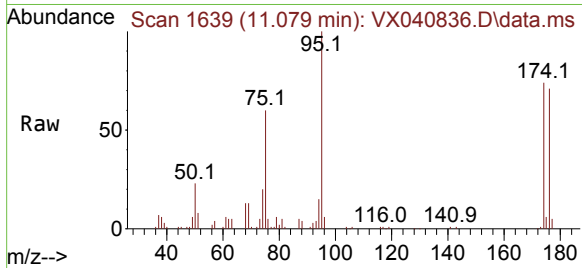




#77
t-1,4-Dichloro-2-butene
Concen: 40.293 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

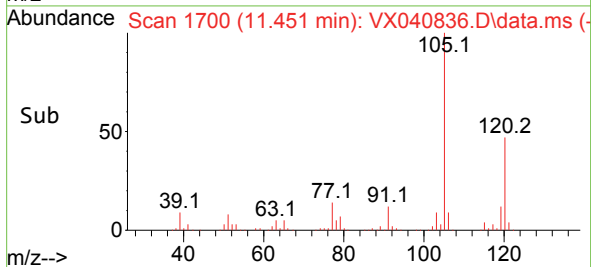
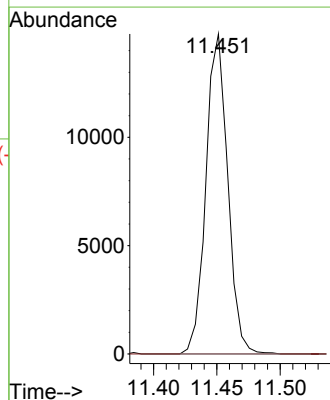
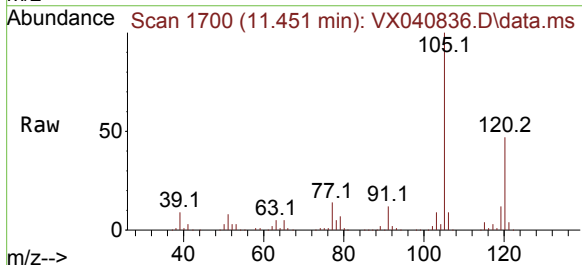
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

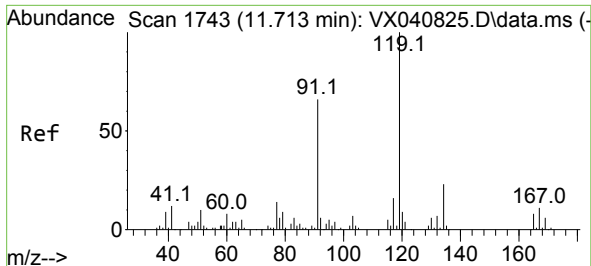
Tgt Ion: 75 Resp: 13606
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#



#78
4-Chlorotoluene
Concen: 7.003 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion: 91 Resp: 17733
Ion Ratio Lower Upper
91 100
126 0.0 0.0 57.4

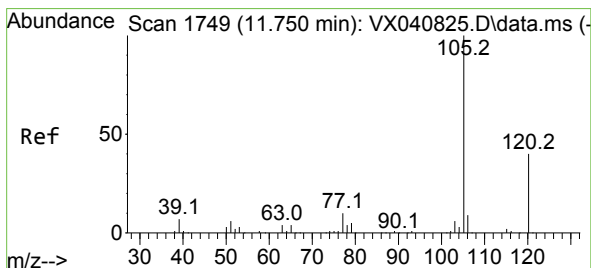
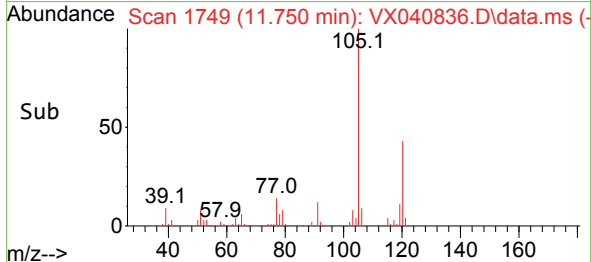
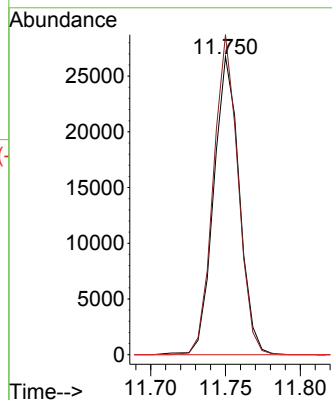
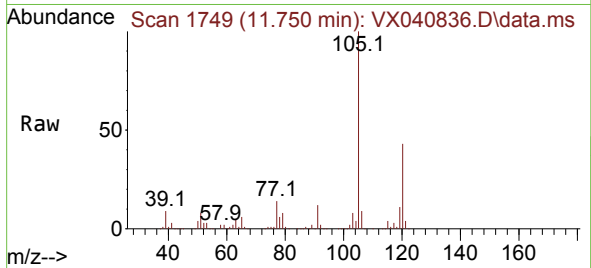




#79
tert-butylbenzene
Concen: 13.229 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.037 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

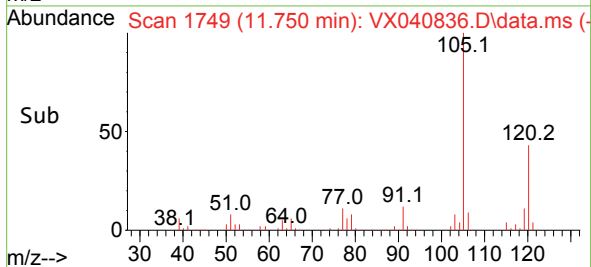
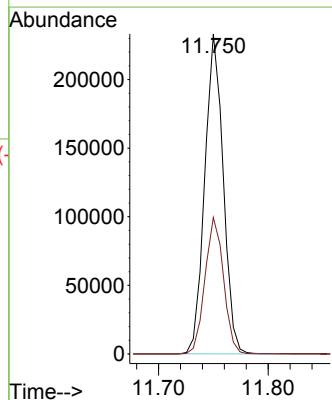
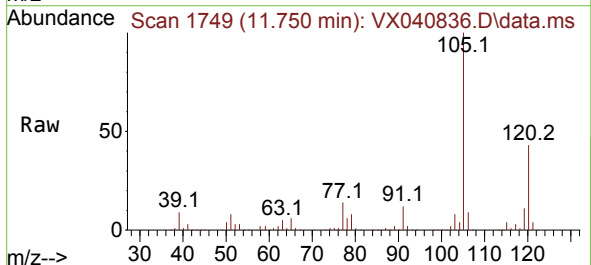
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

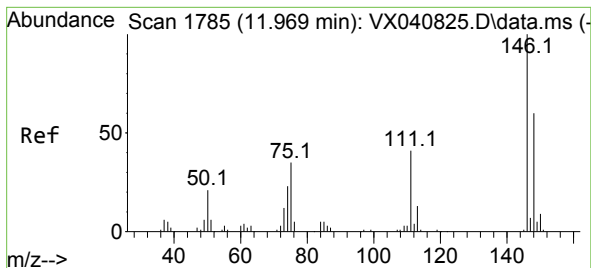
Tgt Ion:119 Resp: 31799
Ion Ratio Lower Upper
119 100
91 103.7 0.0 125.6
134 0.0 0.0 43.8



#80
1,2,4-Trimethylbenzene
Concen: 110.089 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion:105 Resp: 272524
Ion Ratio Lower Upper
105 100
120 42.8 0.0 86.4





#83

1,3-Dichlorobenzene

Concen: 69.866 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.067 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

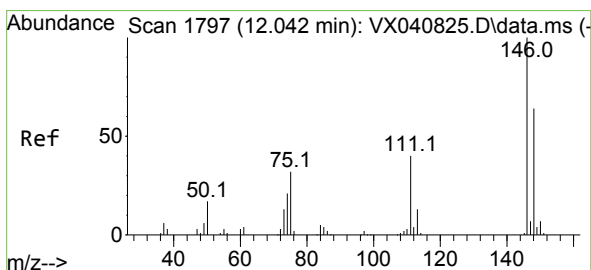
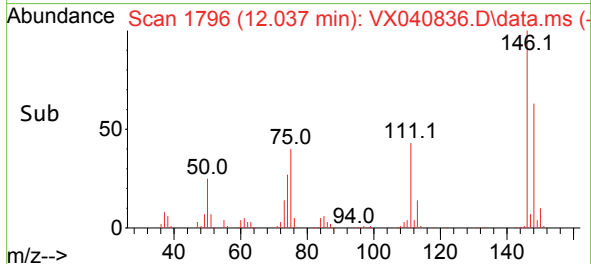
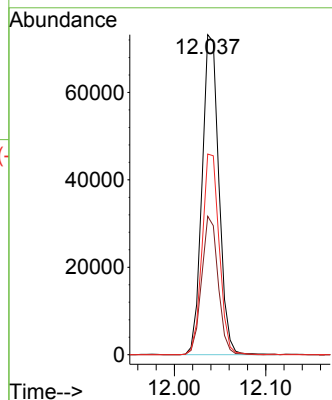
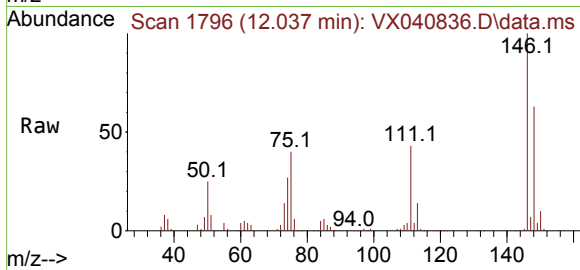
Tgt Ion:146 Resp: 93382

Ion Ratio Lower Upper

146 100

111 42.3 22.3 66.9

148 63.6 32.8 98.3



#84

1,4-Dichlorobenzene

Concen: 67.795 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.006 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

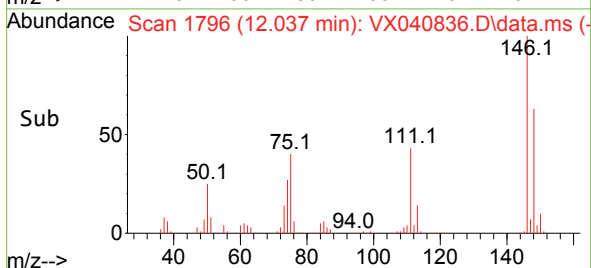
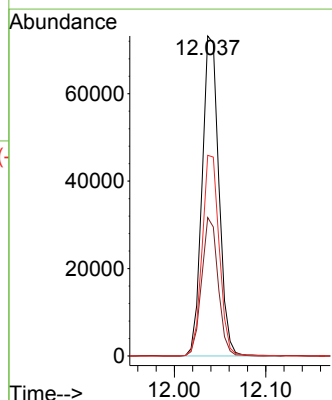
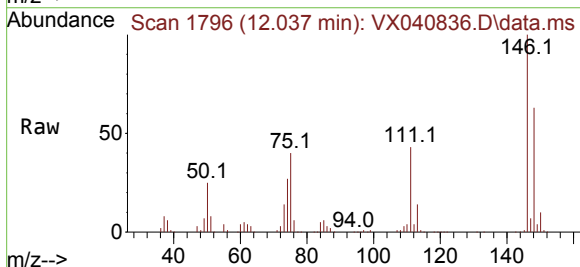
Tgt Ion:146 Resp: 93382

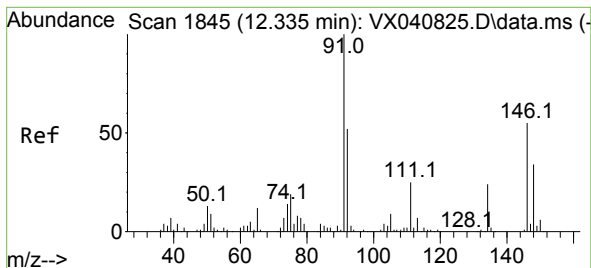
Ion Ratio Lower Upper

146 100

111 42.3 21.4 64.2

148 63.6 31.8 95.4





#87

1,2-Dichlorobenzene

Concen: 72.228 ug/l

RT: 12.037 min Scan# 11

Delta R.T. -0.299 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

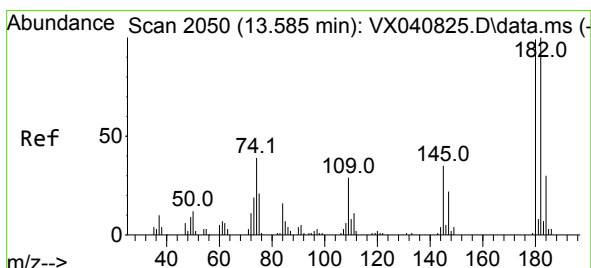
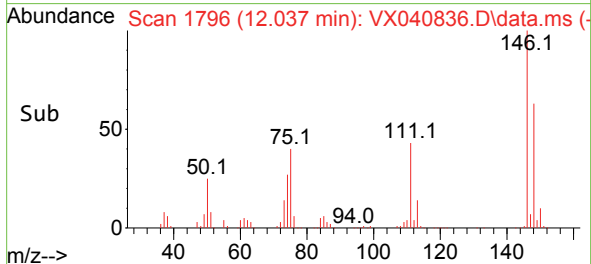
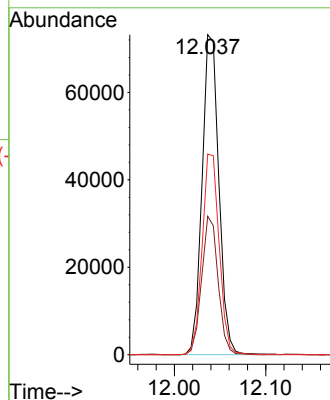
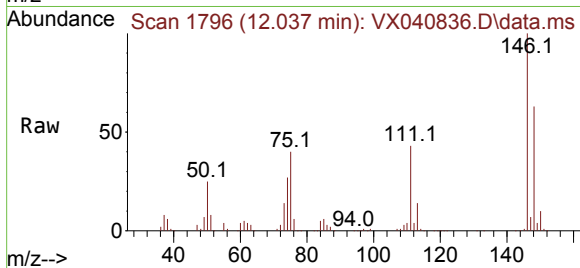
Tgt Ion:146 Resp: 93382

Ion Ratio Lower Upper

146 100

111 42.3 22.4 67.2

148 63.6 31.9 95.7



#89

1,2,4-Trichlorobenzene

Concen: 134.444 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX040836.D

Acq: 29 Mar 2024 13:27

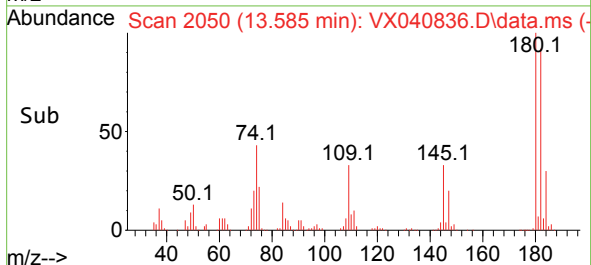
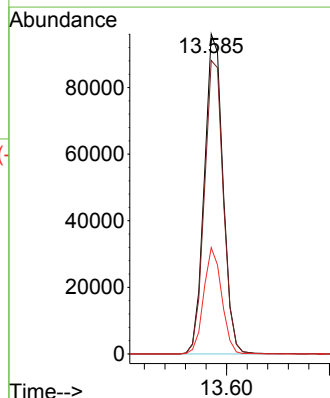
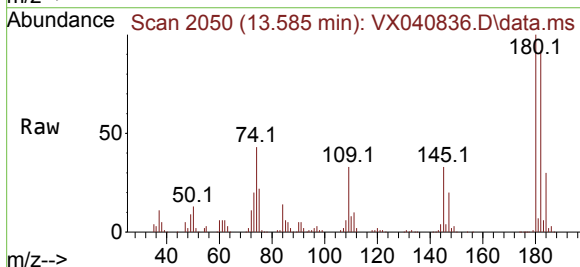
Tgt Ion:180 Resp: 121263

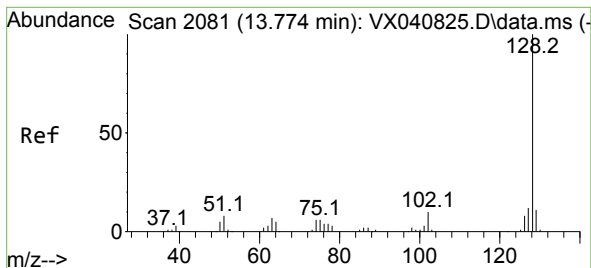
Ion Ratio Lower Upper

180 100

182 93.3 74.5 111.7

145 32.0 26.6 40.0

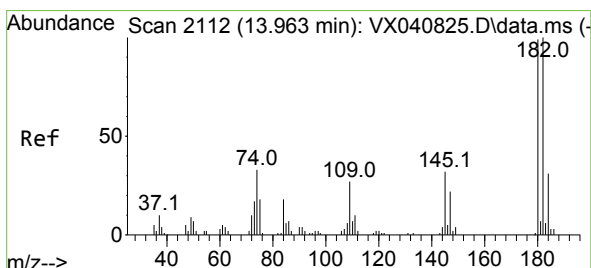
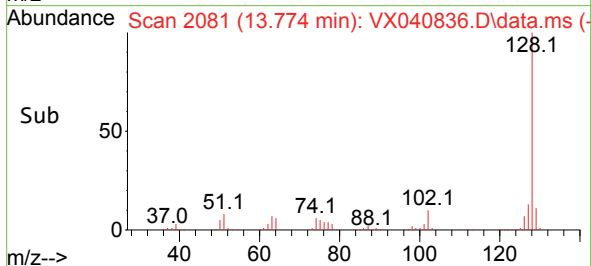
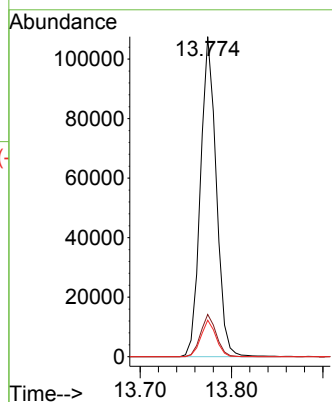
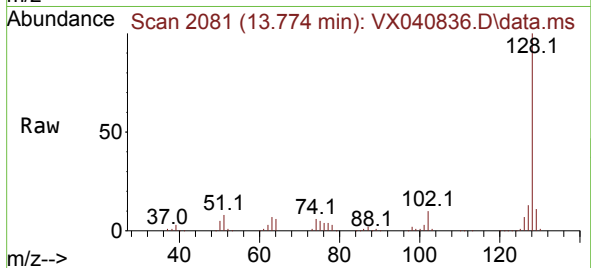




#91
Naphthalene
Concen: 42.989 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Tgt Ion:128 Resp: 129680
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 0.763 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX040836.D
Acq: 29 Mar 2024 13:27

Tgt Ion:180 Resp: 656
Ion Ratio Lower Upper
180 100
182 76.1 0.0 191.6
145 21.6 0.0 69.6

