

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045289.D
 Acq On : 14 Mar 2025 12:09
 Operator : JC/MD
 Sample : Q1502-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Quant Time: Mar 15 03:57:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	15579	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	85357	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	77634	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	50115	33.120	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.400%#
60) 4-Bromofluorobenzene	11.079	95	42282	29.138	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.133%
63) Toluene-d8	8.647	98	132949	30.955	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	823	0.523	ug/l #	83
5) Bromomethane	1.593	94	35096	66.427	ug/l	97
7) Trichlorofluoromethane	1.874	101	180810	88.633	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.307	101	352	0.291	ug/l #	30
10) 1,1-Dichloroethene	2.307	96	103720	87.642	ug/l	90
11) Methyl Iodide	2.447	142	610	0.455	ug/l #	79
12) Methyl Acetate	3.111	43	46409	33.770	ug/l	97
14) Acrylonitrile	3.117	53	2714	4.043	ug/l #	20
15) Acetone	2.380	58	29571	160.623	ug/l	91
17) Allyl chloride	2.782	41	2646	1.195	ug/l #	22
18) Methylene Chloride	2.782	84	66680	50.093	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	92070	76.896	ug/l	94
22) cis-1,2-Dichloroethene	4.483	96	153863	107.237	ug/l	93
23) tert-Butyl Alcohol	3.087	59	5539	23.636	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	200165	51.821	ug/l	97
25) Chloroform	5.087	83	159427	69.773	ug/l	96
29) 1,1-Dichloropropene	6.031	75	9997	6.367	ug/l #	1
30) 2-Butanone	4.562	43	38742	42.718	ug/l	95
33) Carbon Tetrachloride	5.666	117	46492	28.957	ug/l	98
34) Benzene	6.031	78	539322	109.531	ug/l	99
35) Methacrylonitrile	5.062	41	279	0.287	ug/l #	26
36) 1,2-Dichloroethane	6.080	62	62324	36.970	ug/l	95
37) Trichloroethene	7.123	130	58559	50.835	ug/l	97
39) 1,2-Dichloropropane	7.421	63	94256	76.996	ug/l	99
40) Dibromomethane	7.574	93	88604	100.863	ug/l	98
41) Bromodichloromethane	7.818	83	27549	15.779	ug/l	99
43) Ethyl Acetate	4.733	43	444	0.261	ug/l #	62
45) 1,4-Dioxane	7.580	88	418	14.365	ug/l #	28
47) n-amyl Acetate	10.640	43	950	0.391	ug/l #	56
48) t-1,3-Dichloropropene	8.976	75	115891	68.864	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	100250	52.623	ug/l	94
52) 1,3-Dichloropropane	8.970	76	4351	2.167	ug/l	99
55) 2-Chloroethyl vinyl ether	8.269	63	638	0.689	ug/l #	88
56) Bromoform	11.079	173	331	0.417	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	229183	129.774	ug/l	99
59) 2-Hexanone	9.427	43	188355	147.557	ug/l	98
61) Tetrachloroethene	9.269	164	115257	120.564	ug/l	95
62) Toluene	8.714	91	520098	101.132	ug/l	100
64) Chlorobenzene	10.073	112	354147	111.129	ug/l	97

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

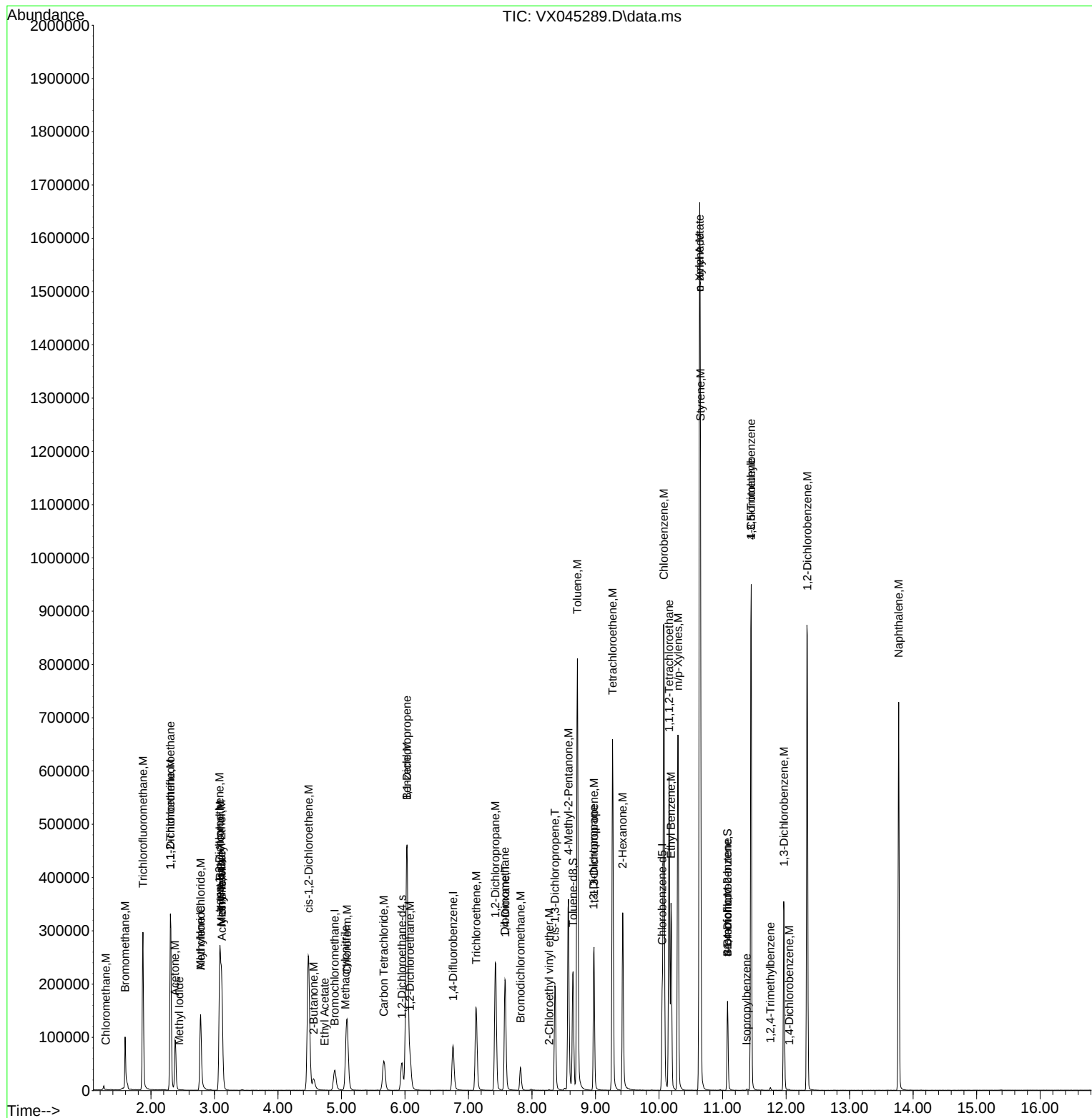
65) 1,1,1,2-Tetrachloroethane	10.159	131	111641	106.168	ug/l	99
66) Ethyl Benzene	10.189	91	196906	34.972	ug/l	95
67) m/p-Xylenes	10.299	106	146407	69.792	ug/l	96
68) o-Xylene	10.640	106	286905	139.393	ug/l	97
69) Styrene	10.653	104	296336	86.204	ug/l	90
70) Isopropylbenzene	11.378	105	1160	0.218	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	390858	89.198	ug/l	99
77) t-1,4-Dichloro-2-butene	11.079	75	24495	50.679	ug/l #	10
78) 4-Chlorotoluene	11.451	91	46606	10.941	ug/l #	46
80) 1,2,4-Trimethylbenzene	11.756	105	2700	0.615	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	107129	47.089	ug/l	99
84) 1,4-Dichlorobenzene	12.049	146	944	0.421	ug/l	83
87) 1,2-Dichlorobenzene	12.335	146	259016	116.034	ug/l	99
91) Naphthalene	13.774	128	409326	85.803	ug/l	100

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

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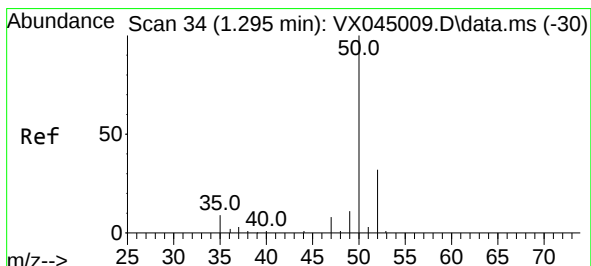
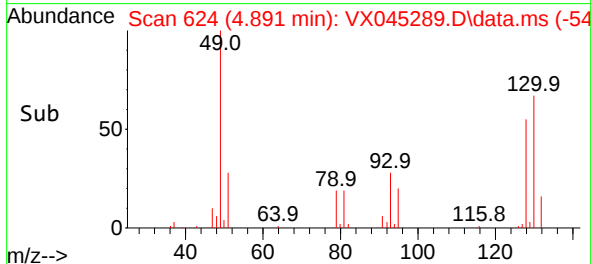
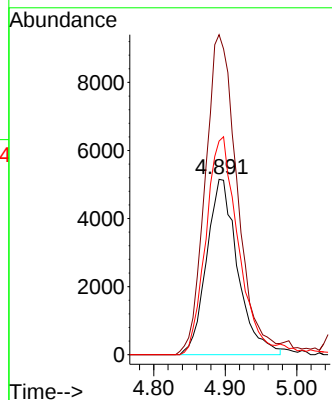
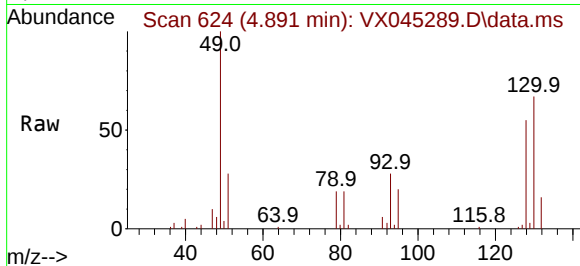




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.891 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VX045289.D
 Acq: 14 Mar 2025 12:09

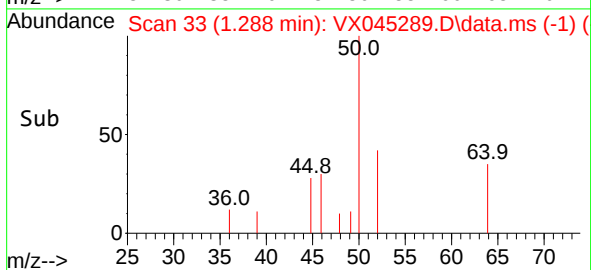
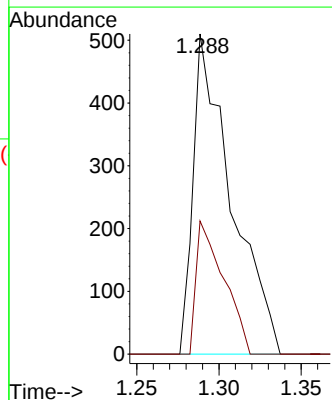
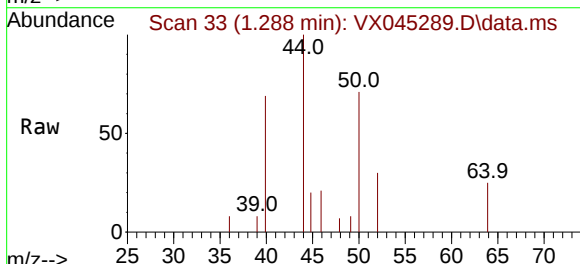
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

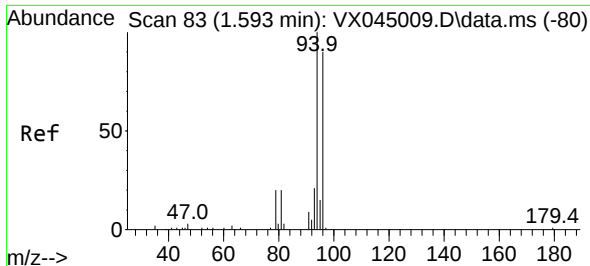
Tgt Ion:	128	Resp:	15579
Ion	Ratio	Lower	Upper
128	100		
49	187.3	0.0	449.7
130	128.3	0.0	312.7



#3
 Chloromethane
 Concen: 0.523 ug/l
 RT: 1.288 min Scan# 33
 Delta R.T. -0.006 min
 Lab File: VX045289.D
 Acq: 14 Mar 2025 12:09

Tgt Ion:	50	Resp:	823
Ion	Ratio	Lower	Upper
50	100		
52	41.6	25.7	38.5#

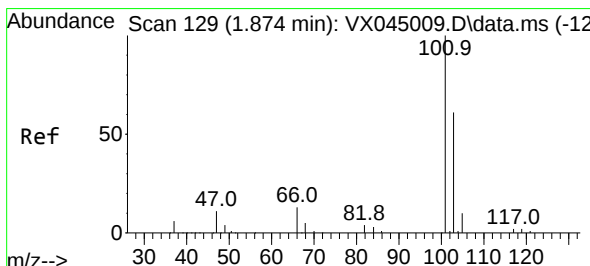
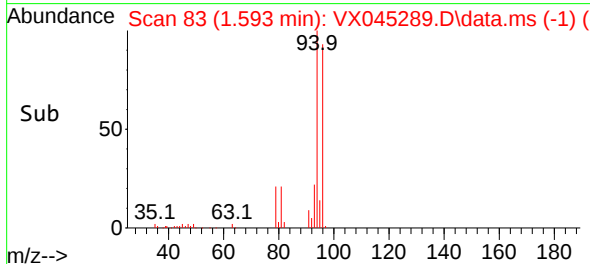
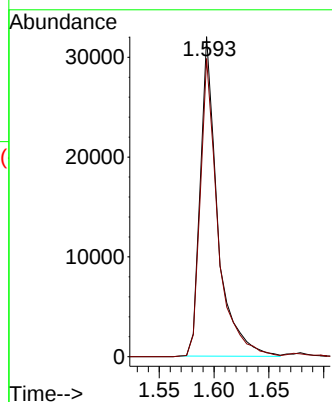
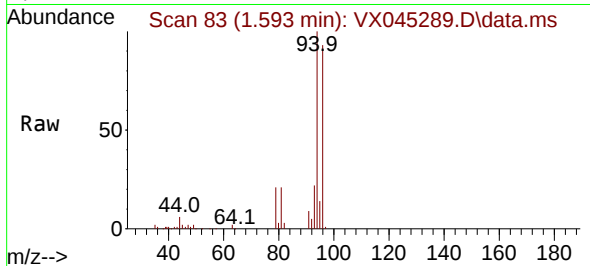




#5
Bromomethane
Concen: 66.427 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

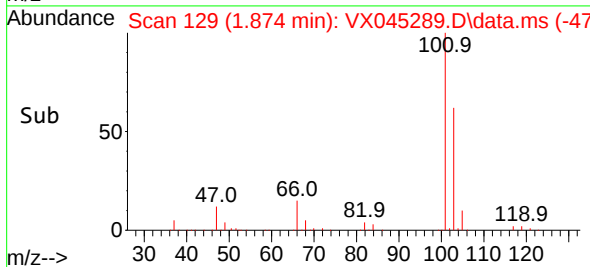
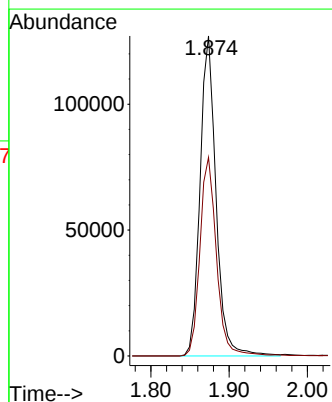
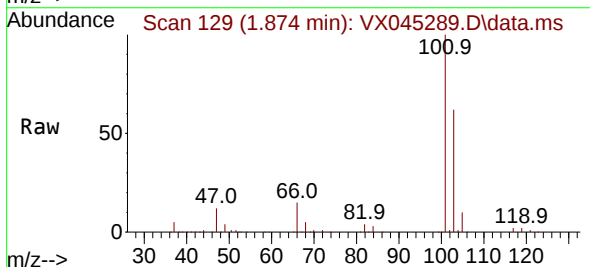
Instrument :
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ClientSampleId :
PT-VOA-WP

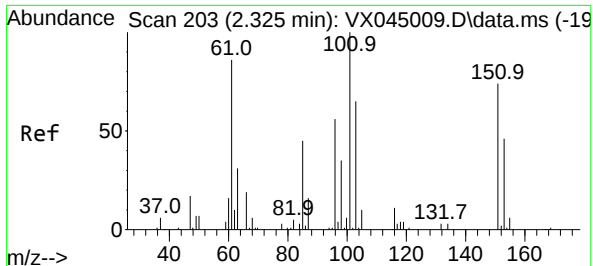
Tgt Ion: 94 Resp: 35096
Ion Ratio Lower Upper
94 100
96 93.1 72.2 108.4



#7
Trichlorofluoromethane
Concen: 88.633 ug/l
RT: 1.874 min Scan# 129
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion:101 Resp: 180810
Ion Ratio Lower Upper
101 100
103 62.1 48.8 73.2

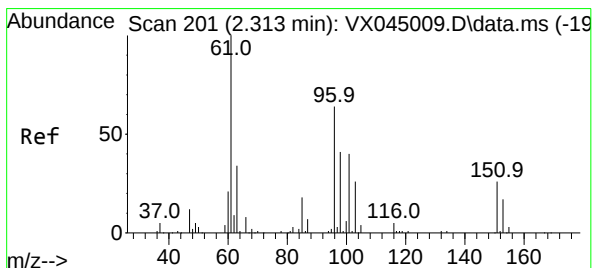
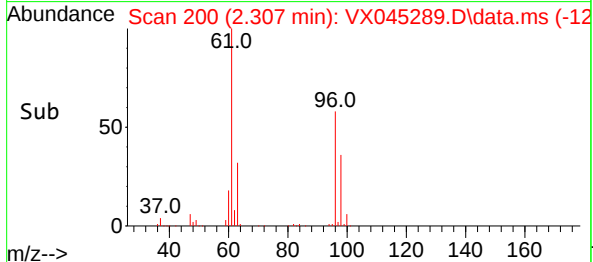
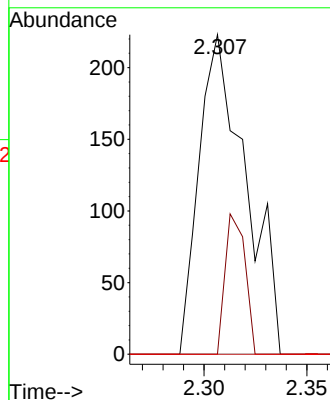
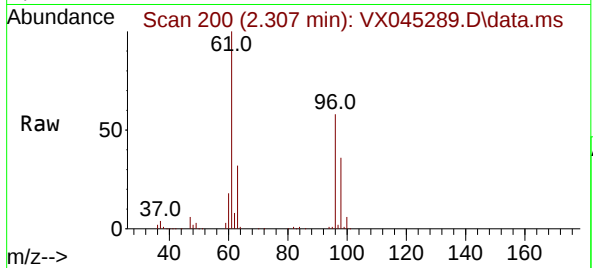




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.291 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.018 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

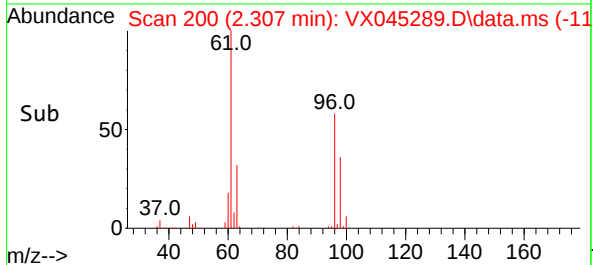
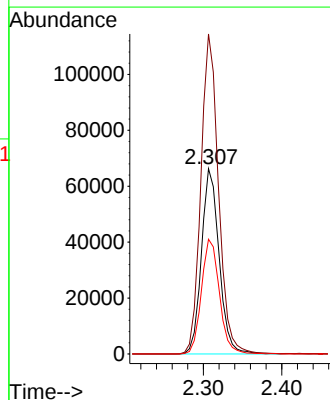
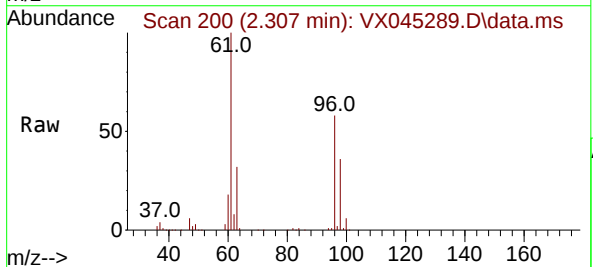
Instrument :
MSVOA_X
ClientSampleId :
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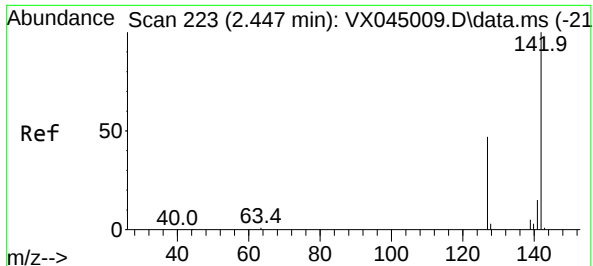
Tgt Ion:101 Resp: 352
Ion Ratio Lower Upper
101 100
85 18.8 0.0 90.6
151 0.0 0.0 147.6



#10
1,1-Dichloroethene
Concen: 87.642 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

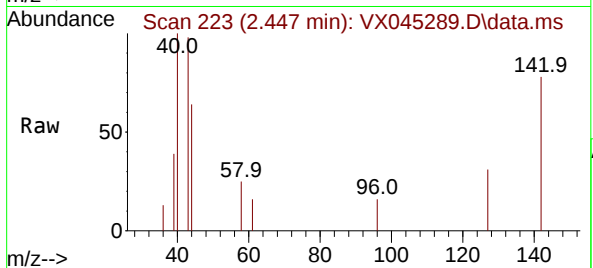
Tgt Ion: 96 Resp: 103720
Ion Ratio Lower Upper
96 100
61 172.6 124.2 186.2
98 61.9 51.1 76.7



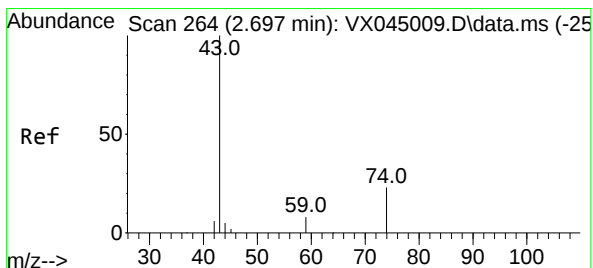
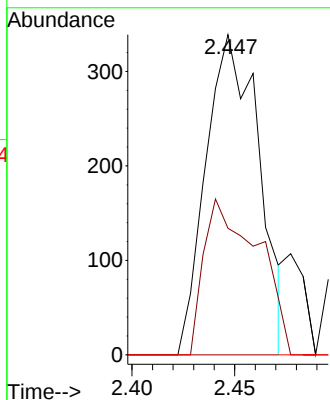
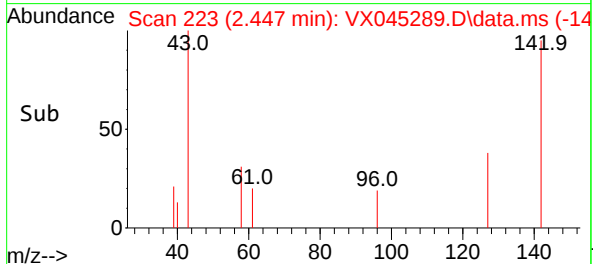


#11
Methyl Iodide
Concen: 0.455 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045289.D
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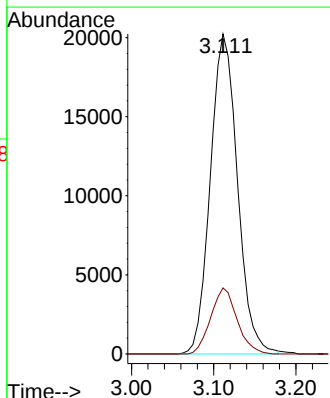
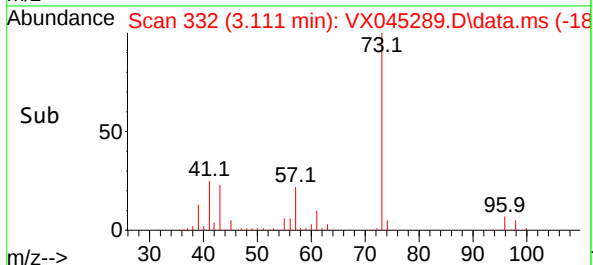
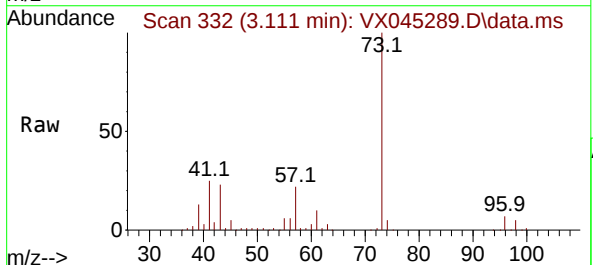


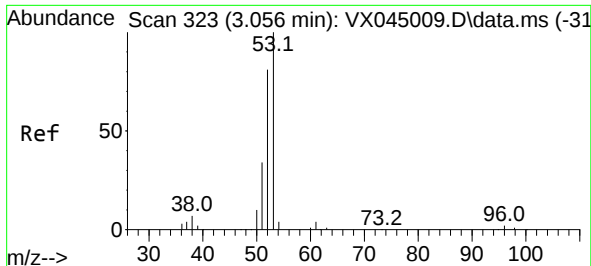
Tgt Ion:142 Resp: 610
Ion Ratio Lower Upper
142 100
127 35.5 23.3 69.9
141 0.0 7.5 22.6#



#12
Methyl Acetate
Concen: 33.770 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.414 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 43 Resp: 46409
Ion Ratio Lower Upper
43 100
74 20.8 17.9 26.9

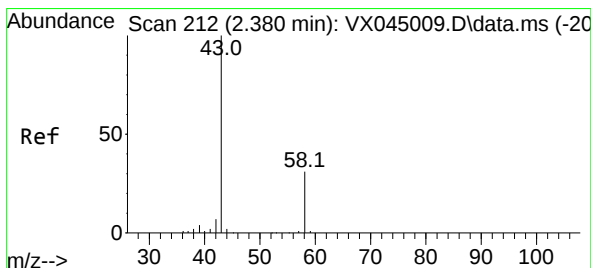
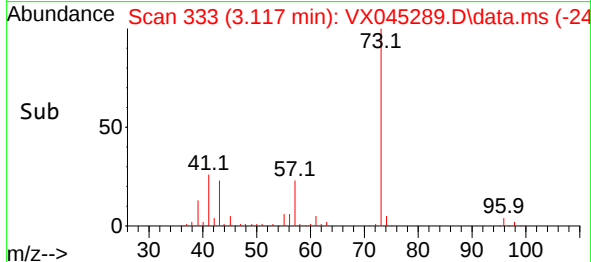
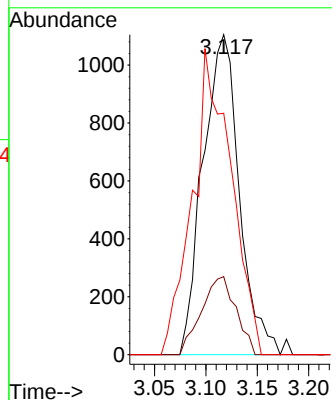
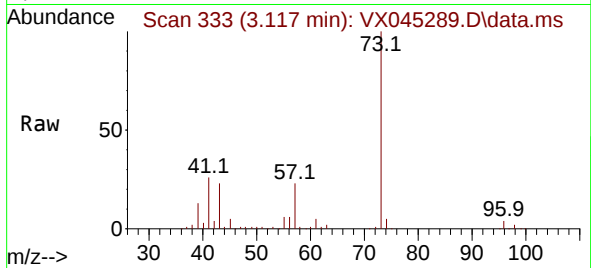




#14
Acrylonitrile
Concen: 4.043 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.061 min
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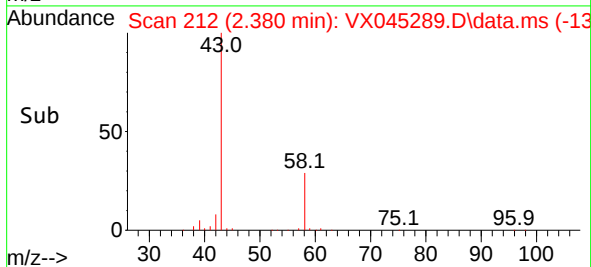
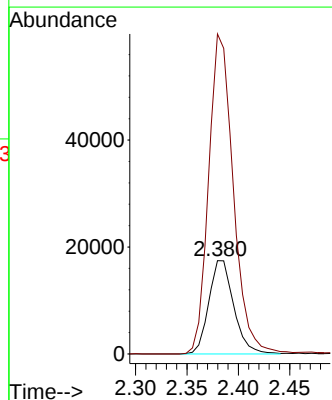
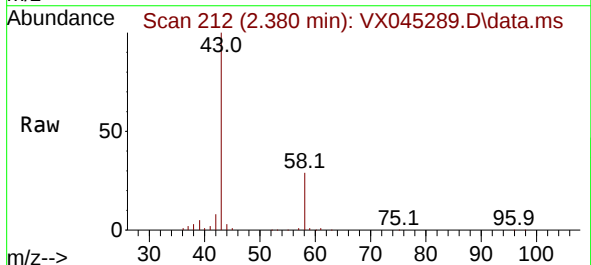
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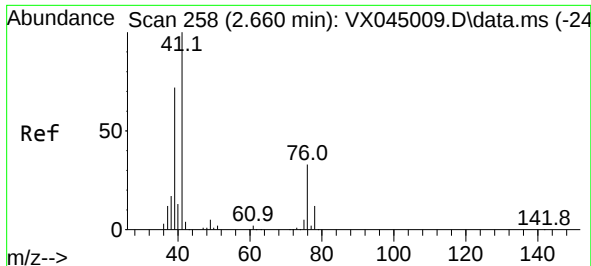
Tgt Ion: 53 Resp: 2714
Ion Ratio Lower Upper
53 100
52 23.2 40.9 122.8#
51 101.5 18.0 54.0#



#15
Acetone
Concen: 160.623 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 58 Resp: 29571
Ion Ratio Lower Upper
58 100
43 342.9 258.6 388.0





#17

Allyl chloride

Concen: 1.195 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.122 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

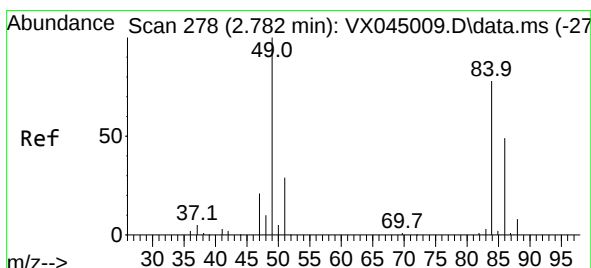
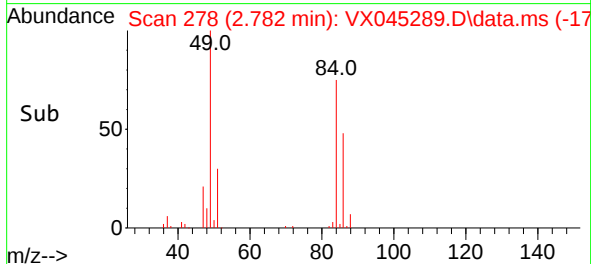
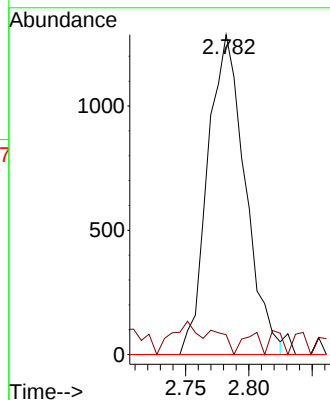
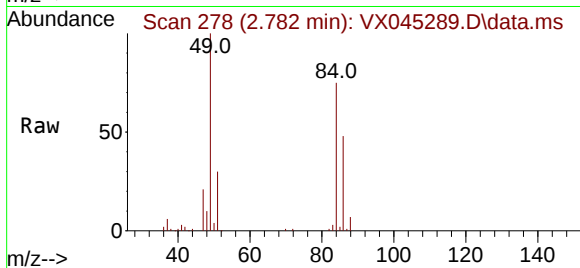
Tgt Ion: 41 Resp: 2646

Ion Ratio Lower Upper

41 100

39 0.0 36.2 108.6#

76 0.0 17.2 51.5#



#18

Methylene Chloride

Concen: 50.093 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Tgt Ion: 84 Resp: 66680

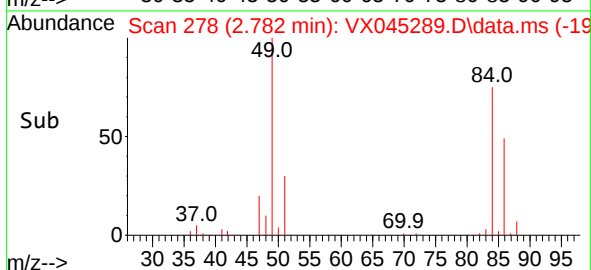
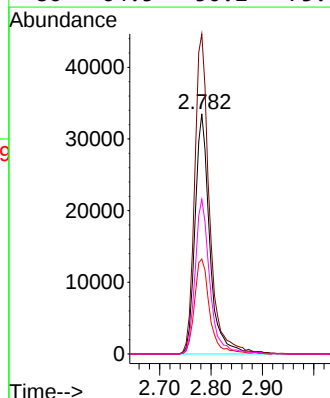
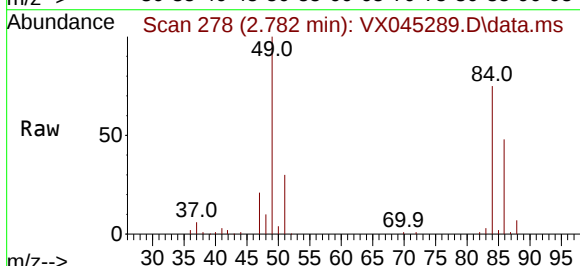
Ion Ratio Lower Upper

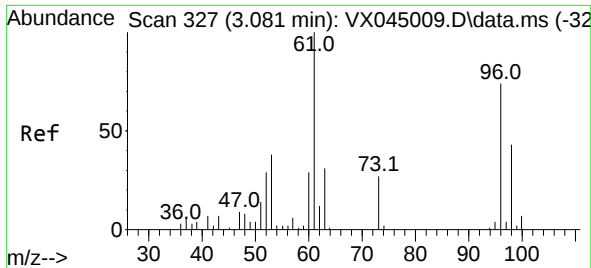
84 100

49 133.1 102.8 154.2

51 39.5 30.1 45.1

86 64.5 50.2 75.4

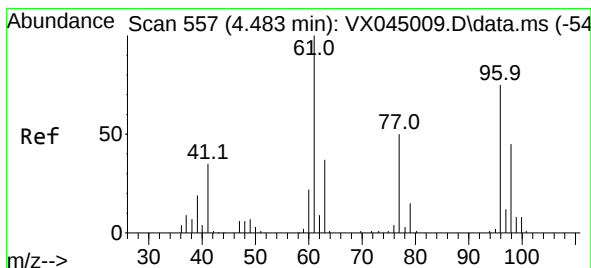
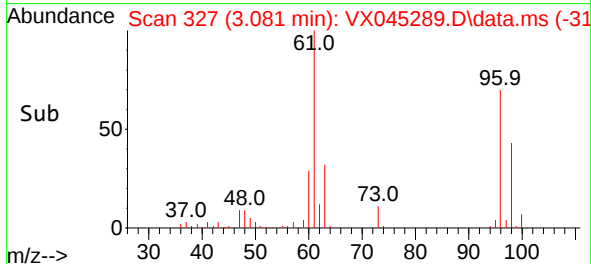
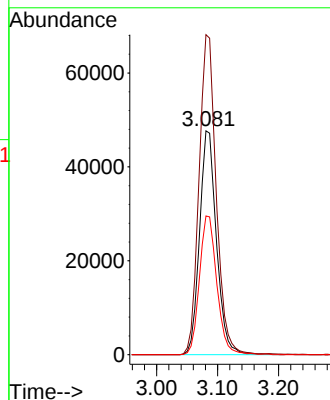
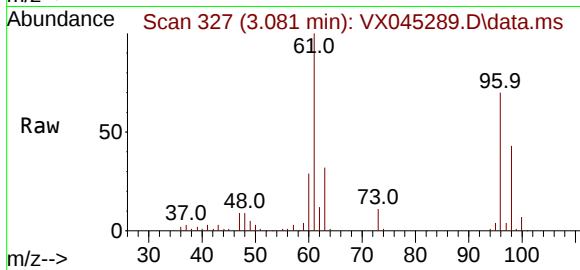




#19
trans-1,2-Dichloroethene
Concen: 76.896 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

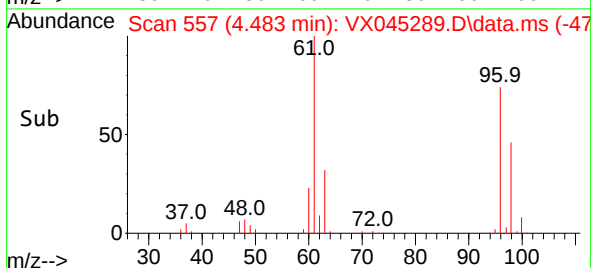
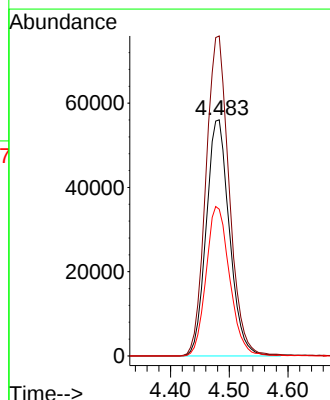
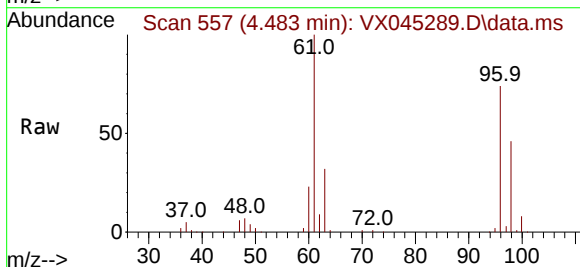
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

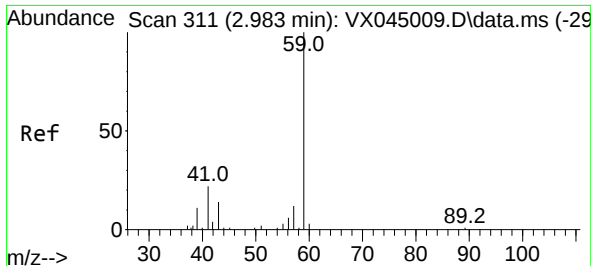
Tgt Ion: 96 Resp: 92070
Ion Ratio Lower Upper
96 100
61 142.9 108.6 163.0
98 62.0 46.5 69.7



#22
cis-1,2-Dichloroethene
Concen: 107.237 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 96 Resp: 153863
Ion Ratio Lower Upper
96 100
61 135.7 118.9 178.3
98 64.1 50.7 76.1

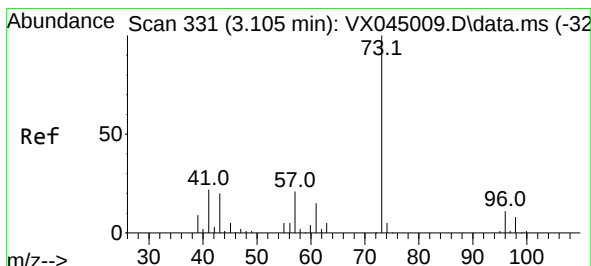
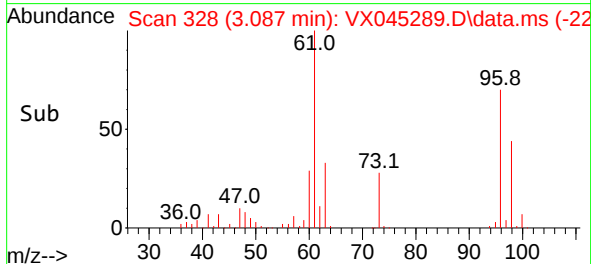
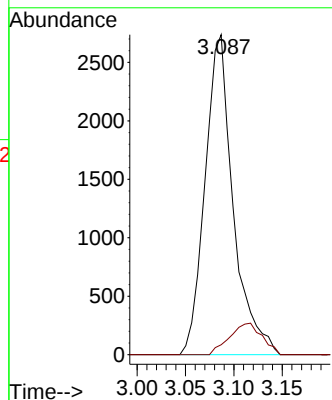
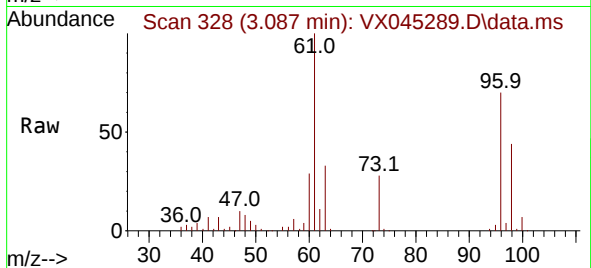




#23
tert-Butyl Alcohol
Concen: 23.636 ug/l
RT: 3.087 min Scan# 311
Delta R.T. 0.104 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

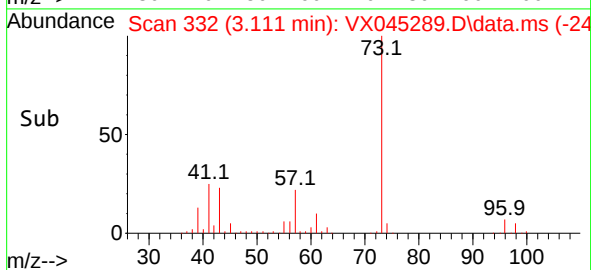
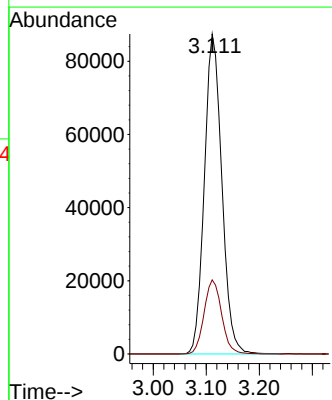
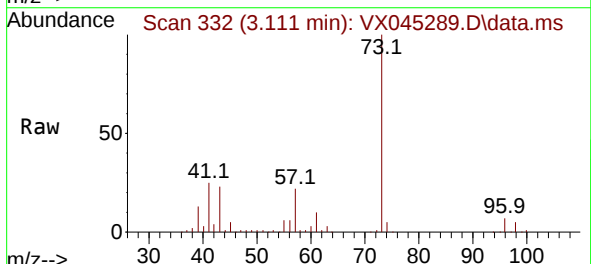
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

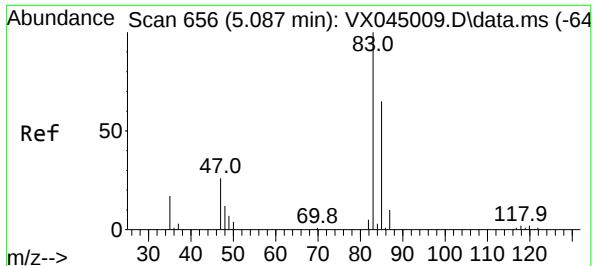
Tgt Ion: 59 Resp: 5539
Ion Ratio Lower Upper
59 100
52 11.4 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 51.821 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 73 Resp: 200165
Ion Ratio Lower Upper
73 100
43 23.2 17.4 26.0





#25

Chloroform

Concen: 69.773 ug/l

RT: 5.087 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

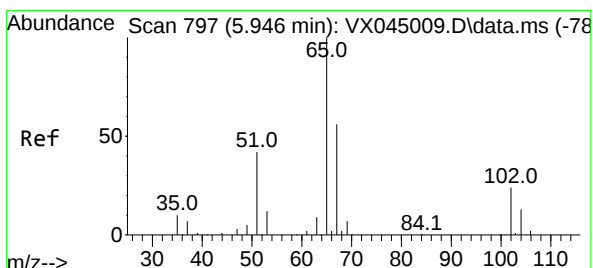
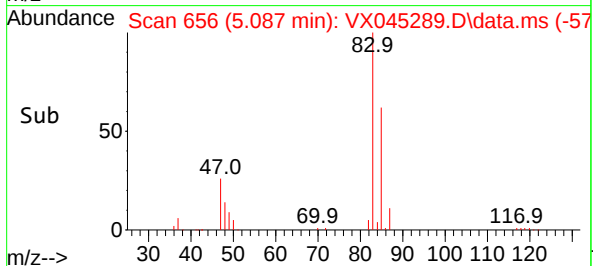
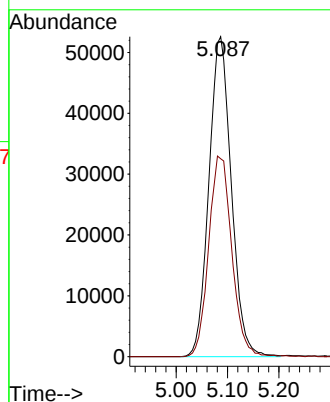
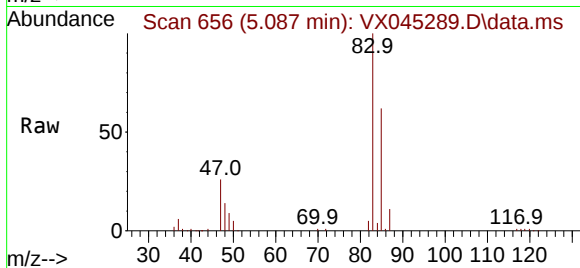
PT-VOA-WP

Tgt Ion: 83 Resp: 159427

Ion Ratio Lower Upper

83 100

85 61.8 51.7 77.5



#27

1,2-Dichloroethane-d4

Concen: 33.120 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX045289.D

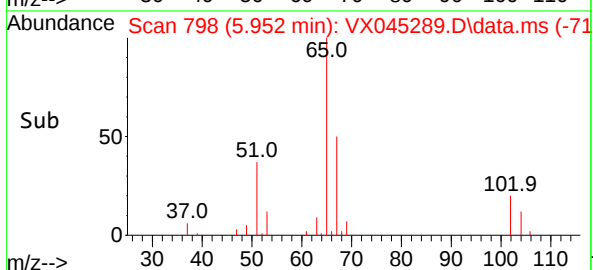
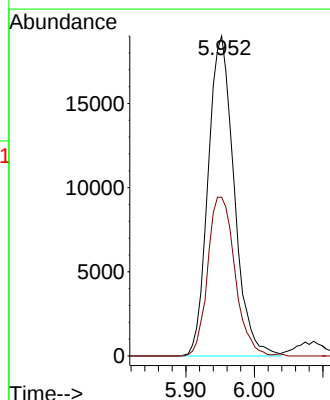
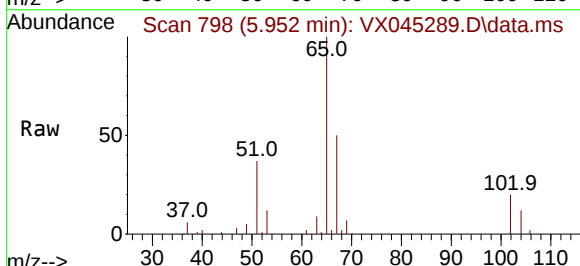
Acq: 14 Mar 2025 12:09

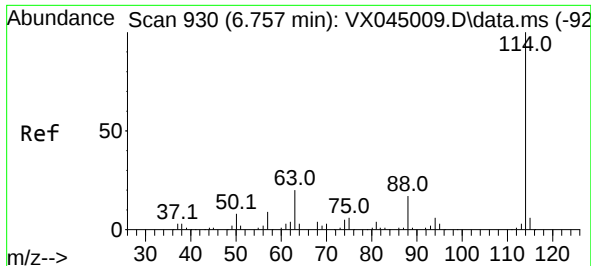
Tgt Ion: 65 Resp: 50115

Ion Ratio Lower Upper

65 100

67 51.9 42.6 64.0

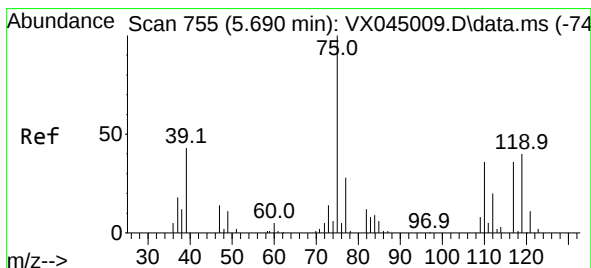
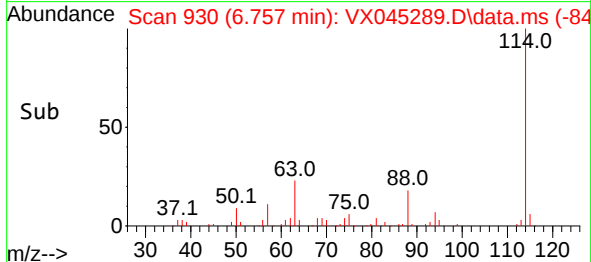
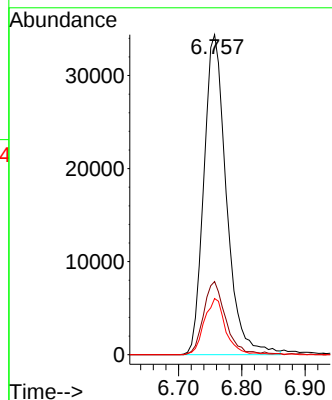
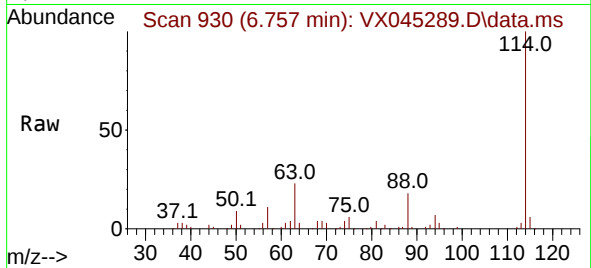




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045289.D
 Acq: 14 Mar 2025 12:09

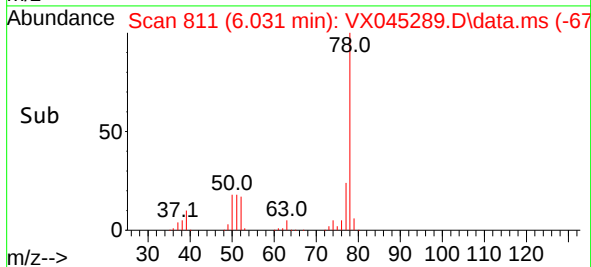
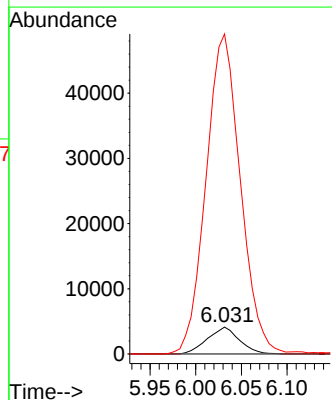
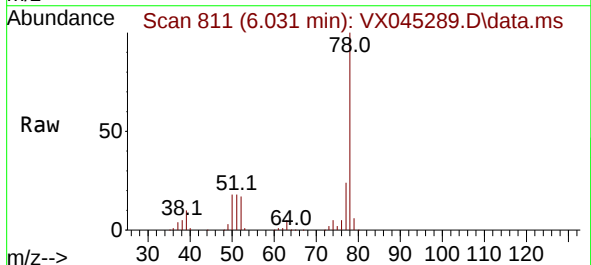
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

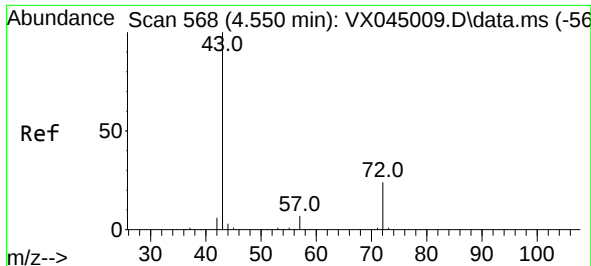
Tgt Ion:114 Resp: 85357
 Ion Ratio Lower Upper
 114 100
 63 21.9 16.8 25.2
 88 16.4 12.7 19.1



#29
 1,1-Dichloropropene
 Concen: 6.367 ug/l
 RT: 6.031 min Scan# 811
 Delta R.T. 0.341 min
 Lab File: VX045289.D
 Acq: 14 Mar 2025 12:09

Tgt Ion: 75 Resp: 9997
 Ion Ratio Lower Upper
 75 100
 110 0.0 0.0 69.2
 77 1281.9 0.0 61.0#

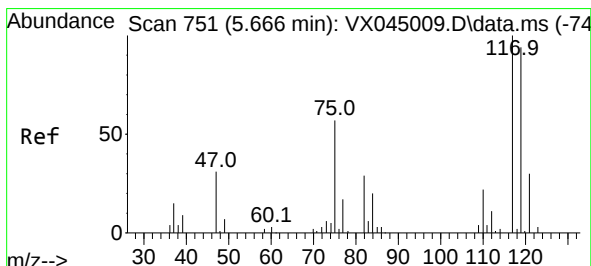
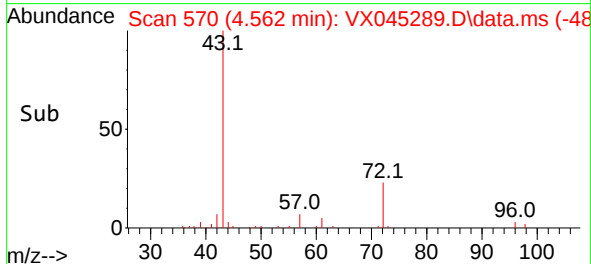
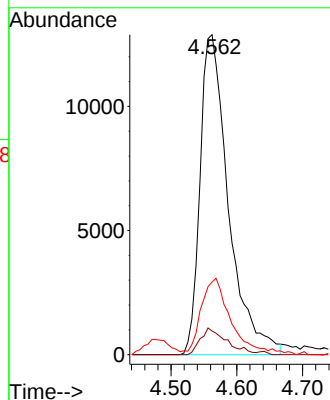
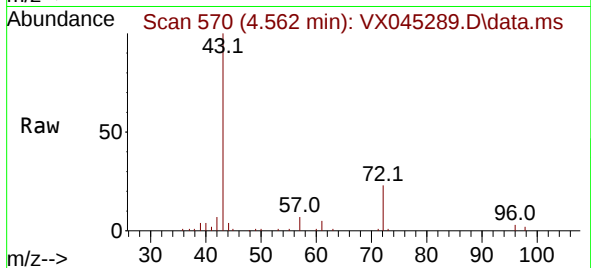




#30
2-Butanone
Concen: 42.718 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

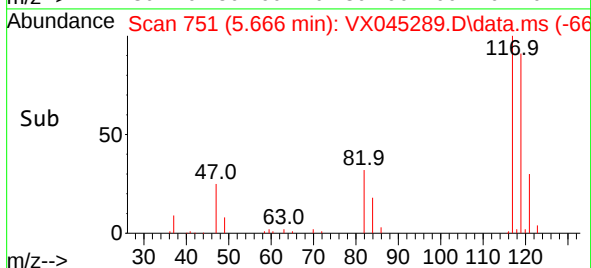
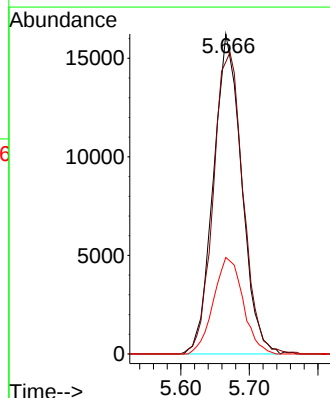
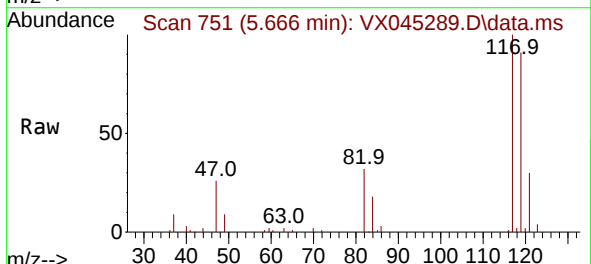
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

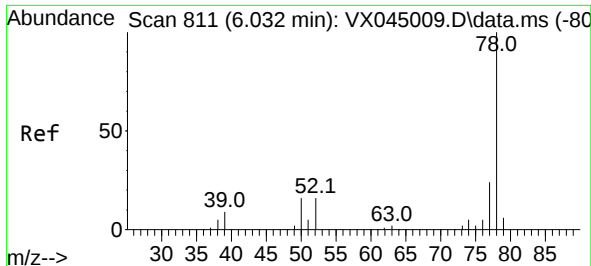
Tgt Ion: 43 Resp: 38742
Ion Ratio Lower Upper
43 100
57 7.1 6.2 9.2
72 22.3 20.2 30.2



#33
Carbon Tetrachloride
Concen: 28.957 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 117 Resp: 46492
Ion Ratio Lower Upper
117 100
119 91.2 75.1 112.7
121 30.1 23.9 35.9

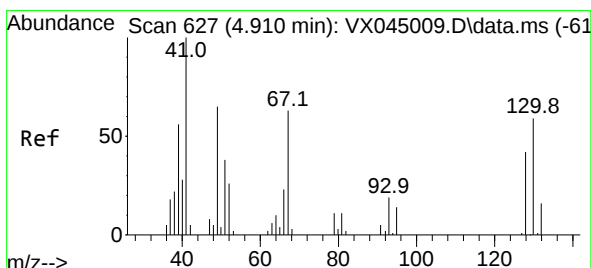
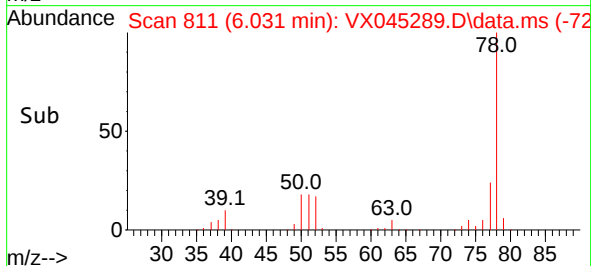
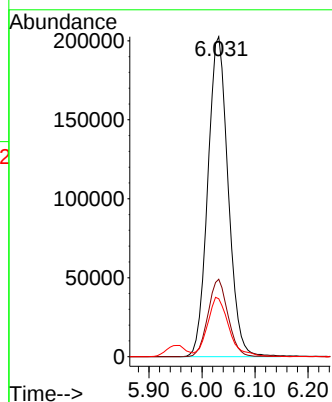
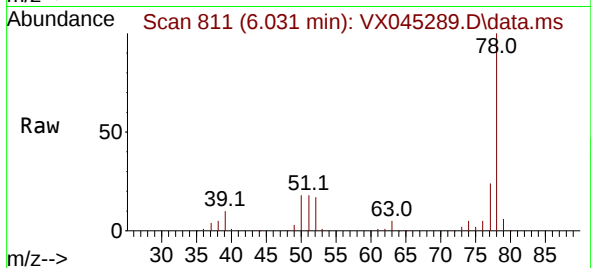




#34
Benzene
Concen: 109.531 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

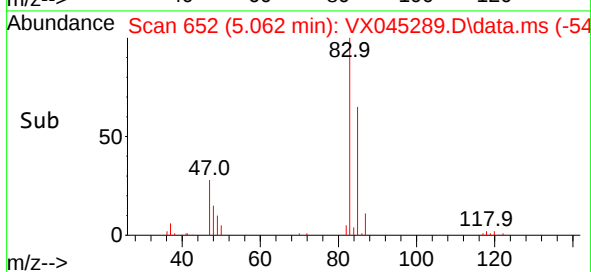
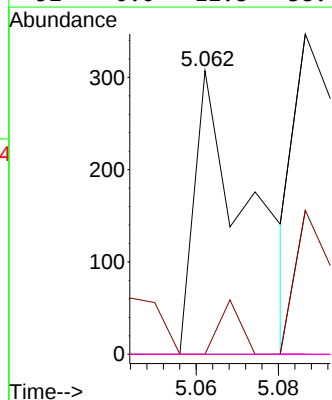
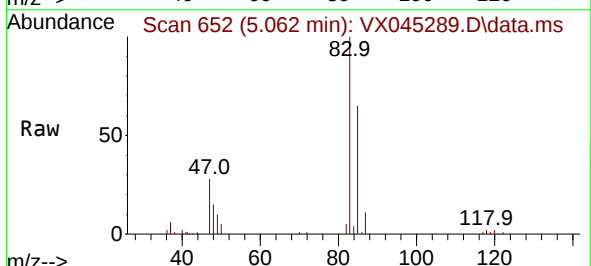
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

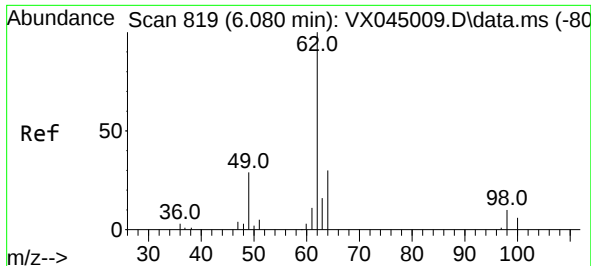
Tgt Ion: 78 Resp: 539322
Ion Ratio Lower Upper
78 100
77 24.2 19.6 29.4
51 18.0 13.8 20.6



#35
Methacrylonitrile
Concen: 0.287 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.152 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 41 Resp: 279
Ion Ratio Lower Upper
41 100
39 0.0 27.8 83.4#
67 0.0 31.5 94.5#
52 0.0 12.8 38.4#

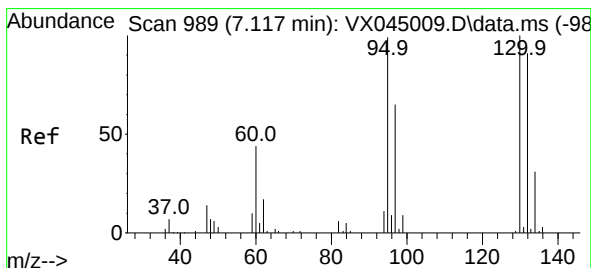
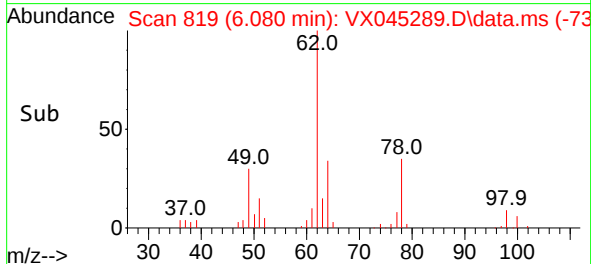
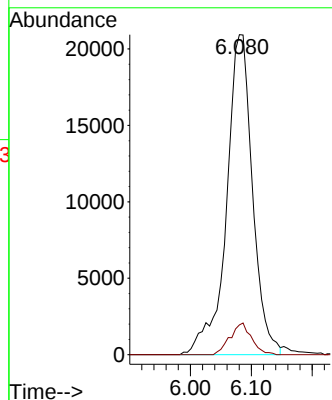
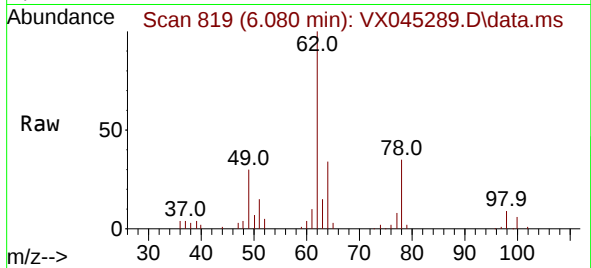




#36
1,2-Dichloroethane
Concen: 36.970 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

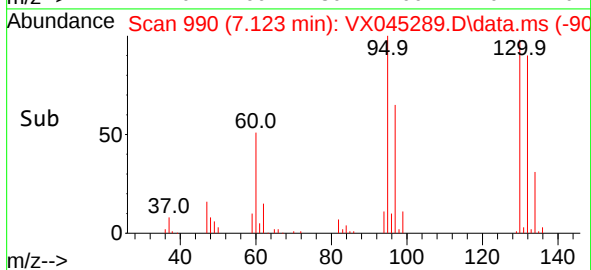
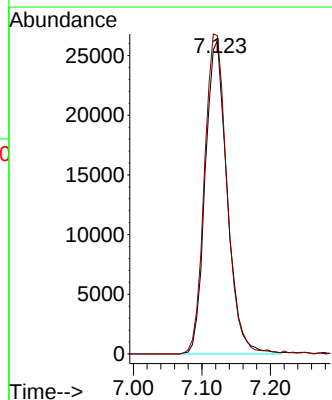
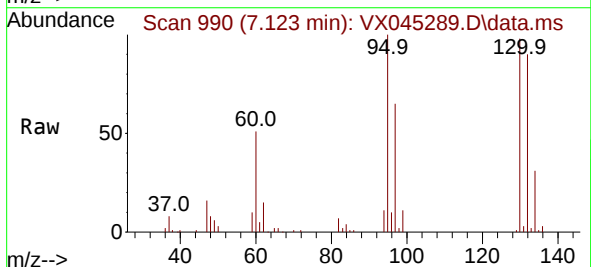
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

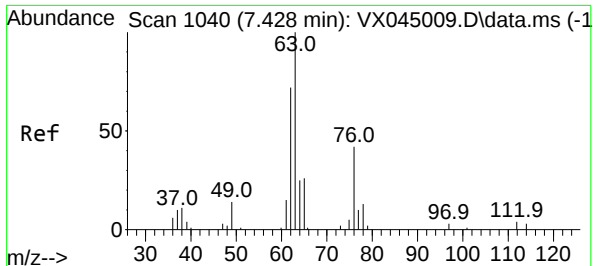
Tgt Ion: 62 Resp: 62324
Ion Ratio Lower Upper
62 100
98 8.1 7.9 11.9



#37
Trichloroethene
Concen: 50.835 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion:130 Resp: 58559
Ion Ratio Lower Upper
130 100
95 101.6 79.0 118.4





#39

1,2-Dichloropropane

Concen: 76.996 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

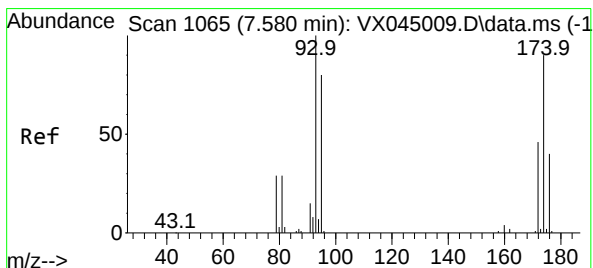
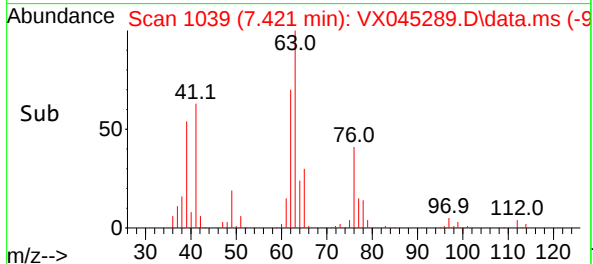
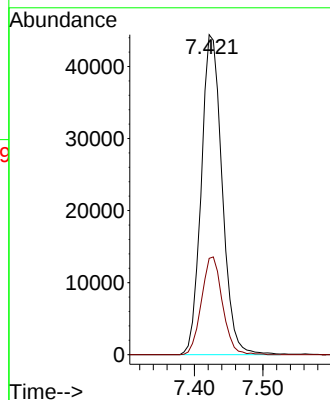
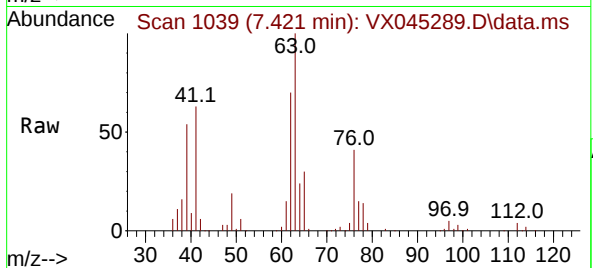
PT-VOA-WP

Tgt Ion: 63 Resp: 94256

Ion Ratio Lower Upper

63 100

65 30.1 24.3 36.5



#40

Dibromomethane

Concen: 100.863 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

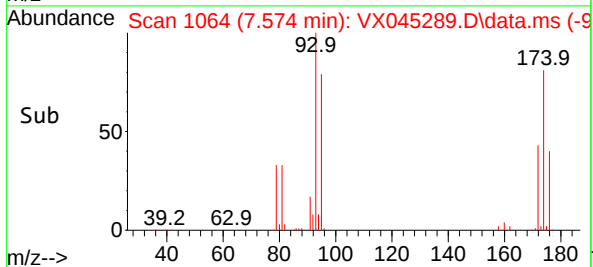
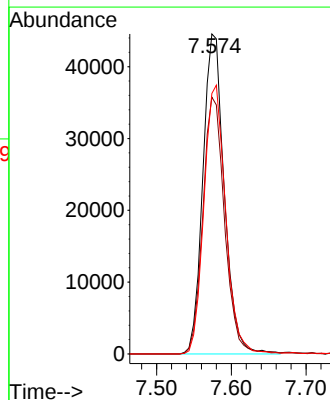
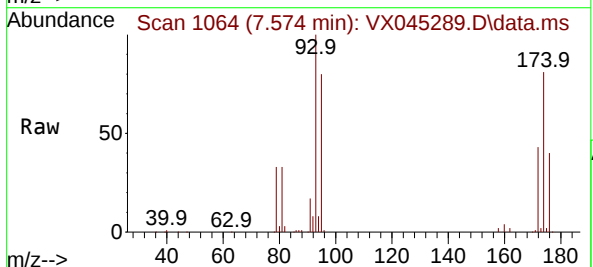
Tgt Ion: 93 Resp: 88604

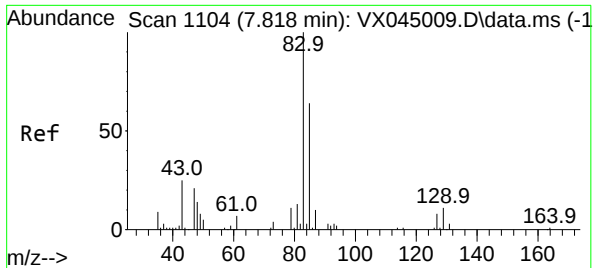
Ion Ratio Lower Upper

93 100

95 81.3 0.0 162.6

174 85.3 0.0 178.8

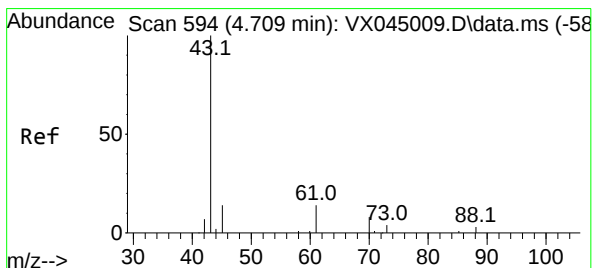
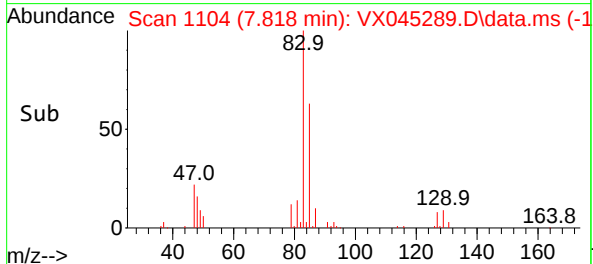
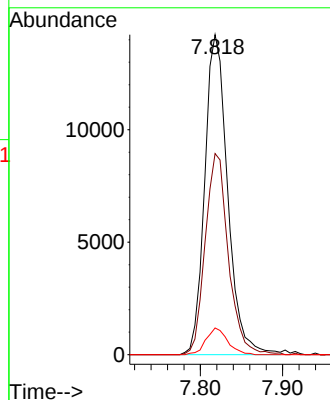
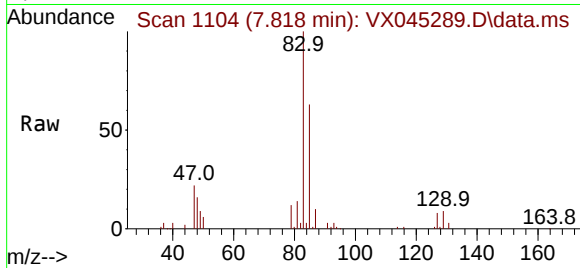




#41
Bromodichloromethane
Concen: 15.779 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

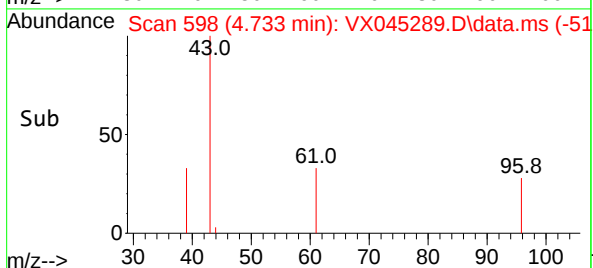
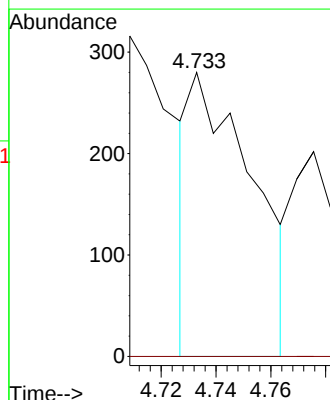
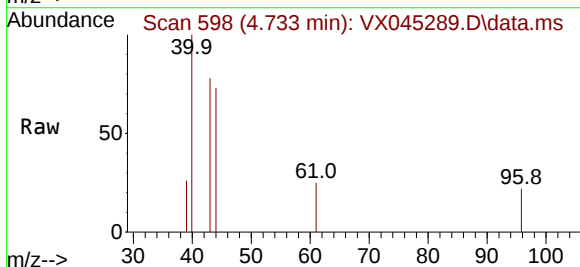
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

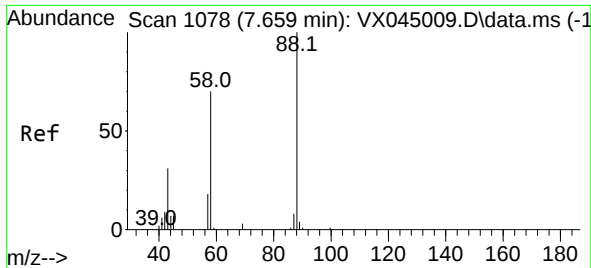
Tgt Ion: 83 Resp: 27549
Ion Ratio Lower Upper
83 100
85 62.9 51.0 76.6
127 8.3 6.1 9.1



#43
Ethyl Acetate
Concen: 0.261 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
45 0.0 12.7 19.1#

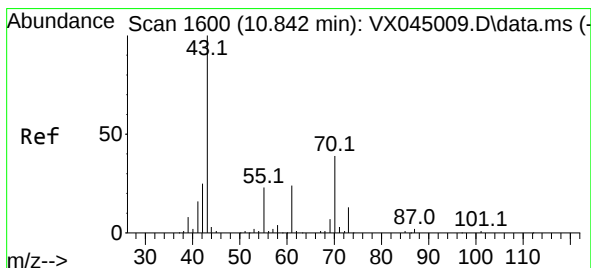
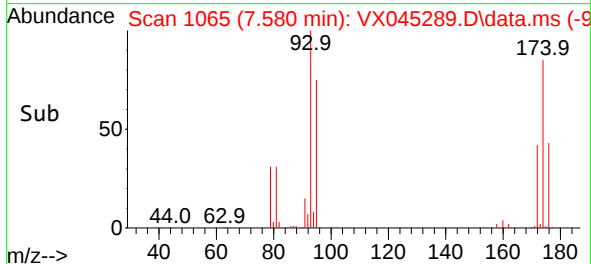
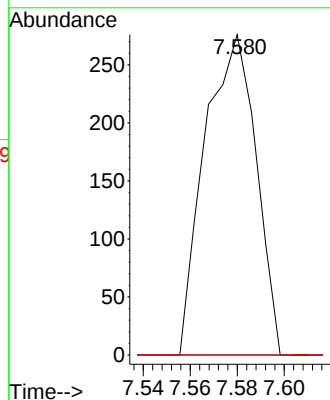
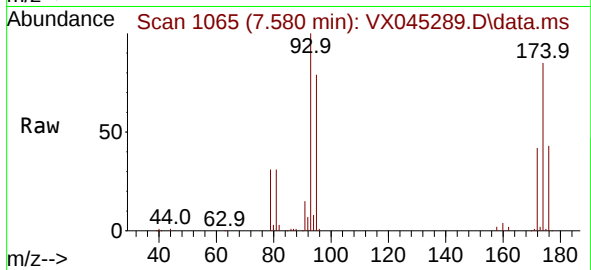




#45
1,4-Dioxane
Concen: 14.365 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.079 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

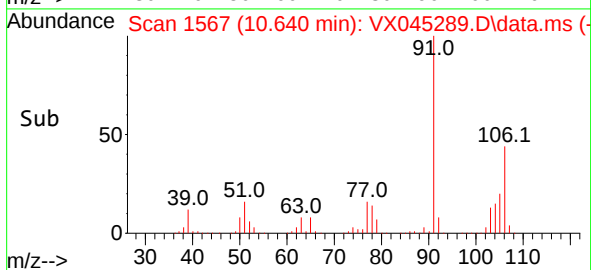
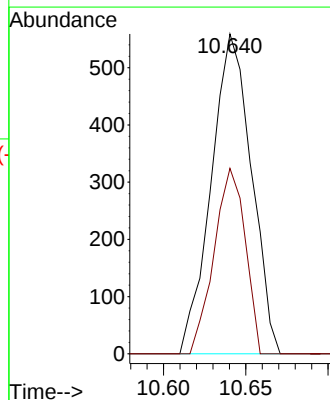
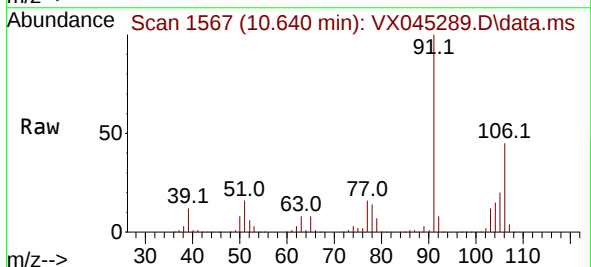
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

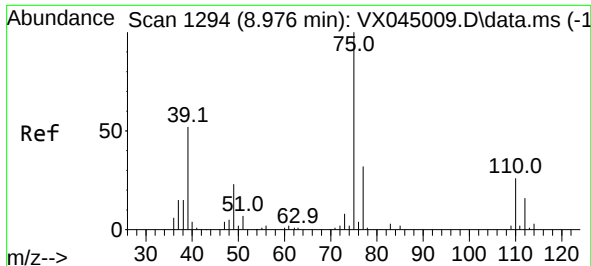
Tgt Ion: 88 Resp: 418
Ion Ratio Lower Upper
88 100
43 9.8 29.6 44.4#
58 0.0 56.2 84.4#



#47
n-amy1 Acetate
Concen: 0.391 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
55 44.8 18.6 27.8#





#48

t-1,3-Dichloropropene

Concen: 68.864 ug/l

RT: 8.976 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

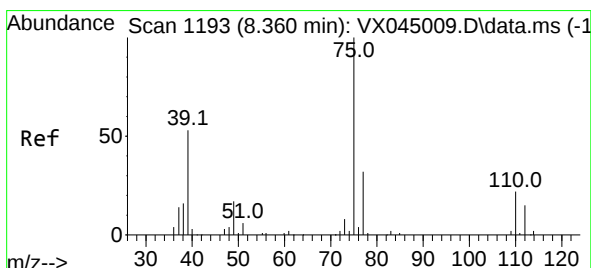
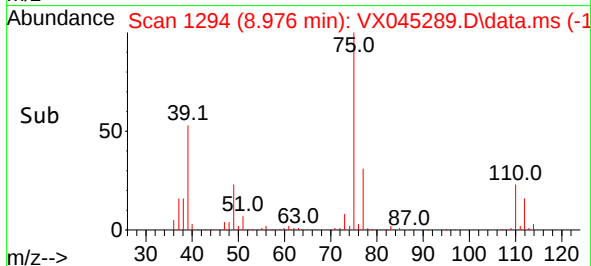
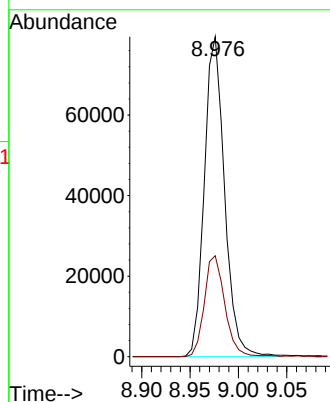
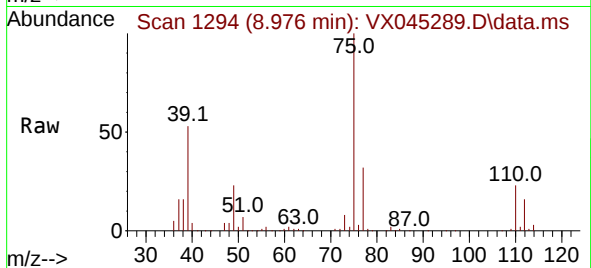
PT-VOA-WP

Tgt Ion: 75 Resp: 115891

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



#49

cis-1,3-Dichloropropene

Concen: 52.623 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

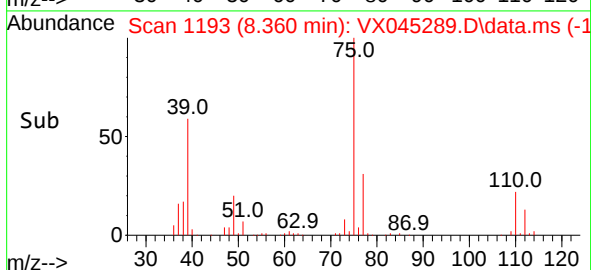
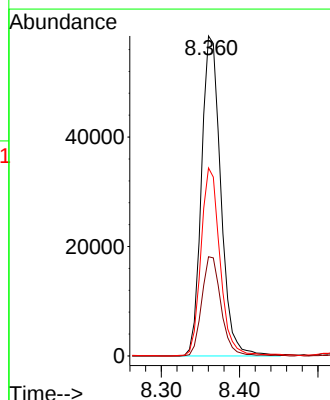
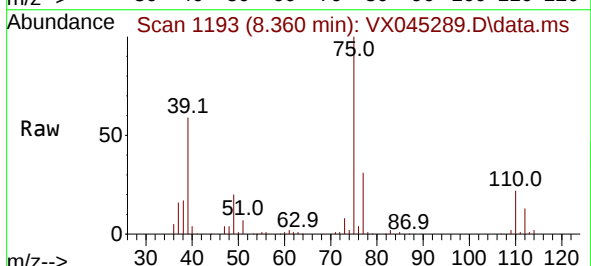
Tgt Ion: 75 Resp: 100250

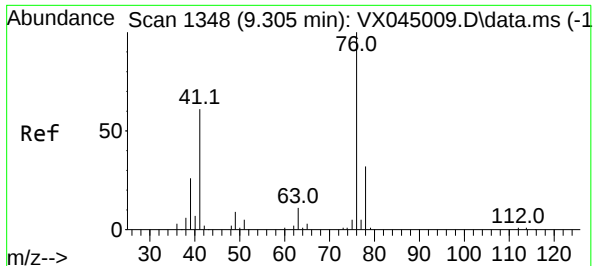
Ion Ratio Lower Upper

75 100

77 31.0 25.9 38.9

39 58.5 42.3 63.5





#52

1,3-Dichloropropane

Concen: 2.167 ug/l

RT: 8.970 min Scan# 1178

Delta R.T. -0.335 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

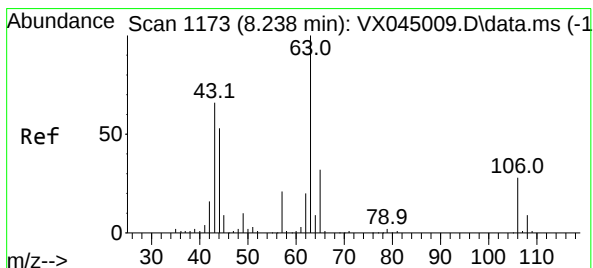
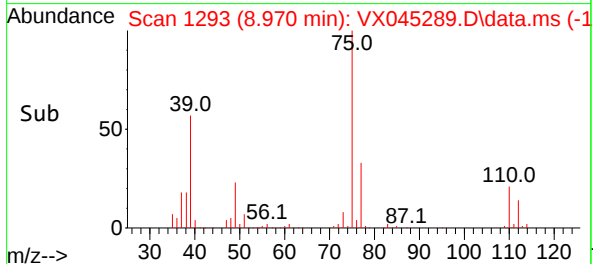
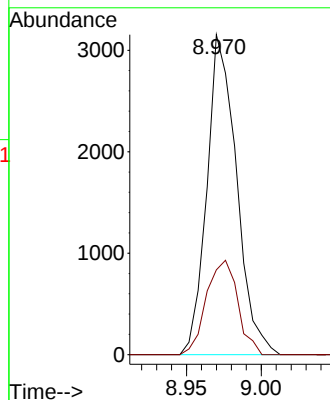
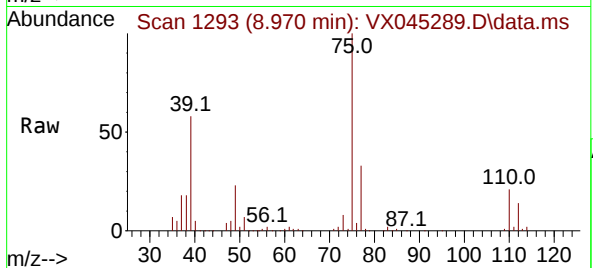
PT-VOA-WP

Tgt Ion: 76 Resp: 4351

Ion Ratio Lower Upper

76 100

78 31.2 0.0 63.6



#55

2-Chloroethyl vinyl ether

Concen: 0.689 ug/l

RT: 8.269 min Scan# 1178

Delta R.T. 0.030 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

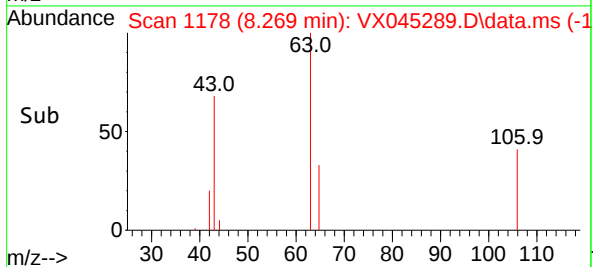
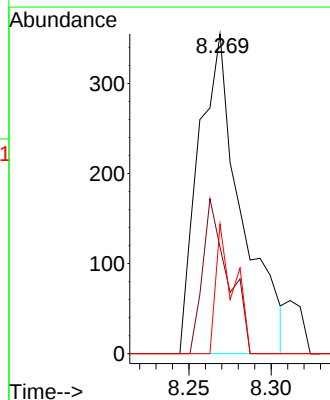
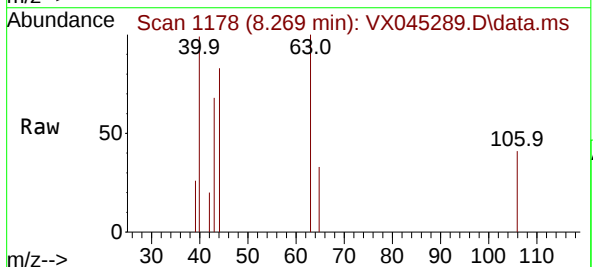
Tgt Ion: 63 Resp: 638

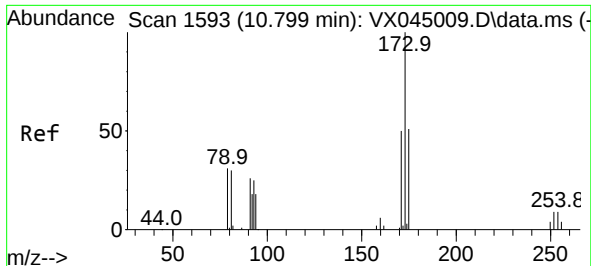
Ion Ratio Lower Upper

63 100

65 29.0 26.2 39.2

106 17.1 21.2 31.8#

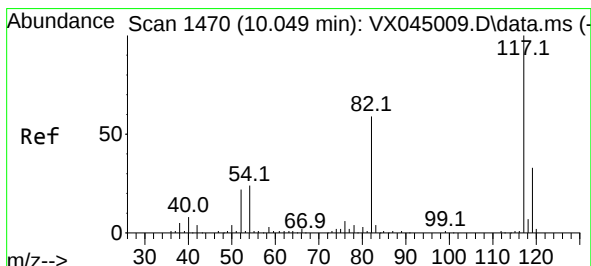
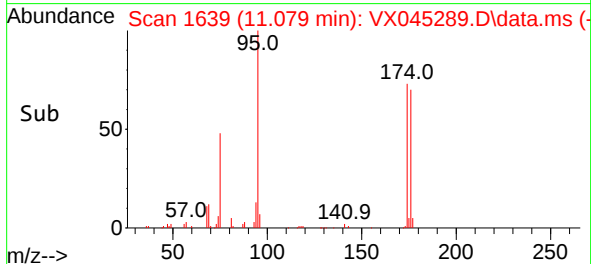
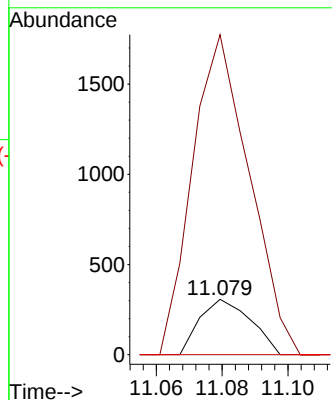
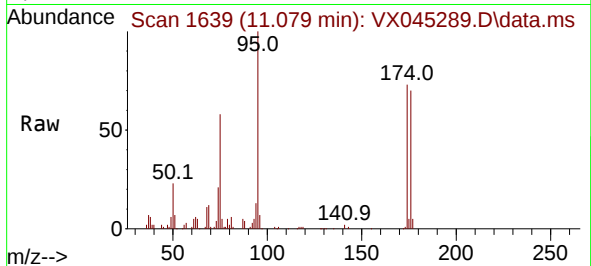




#56
Bromoform
Concen: 0.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

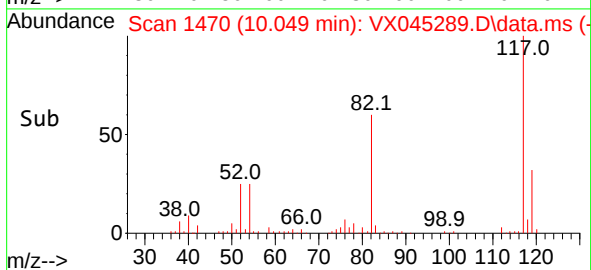
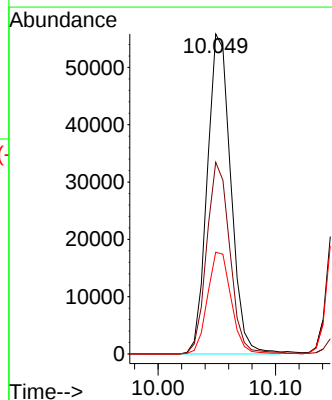
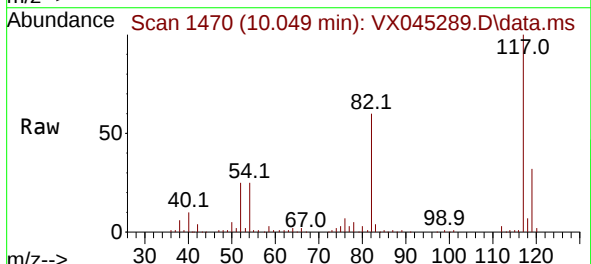
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

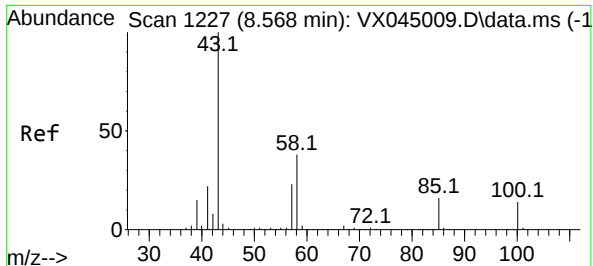
Tgt Ion:173 Resp: 331
Ion Ratio Lower Upper
173 100
175 645.9 39.6 59.4#
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion:117 Resp: 77634
Ion Ratio Lower Upper
117 100
82 59.0 45.8 68.8
119 32.0 25.5 38.3





#58

4-Methyl-2-Pentanone

Concen: 129.774 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

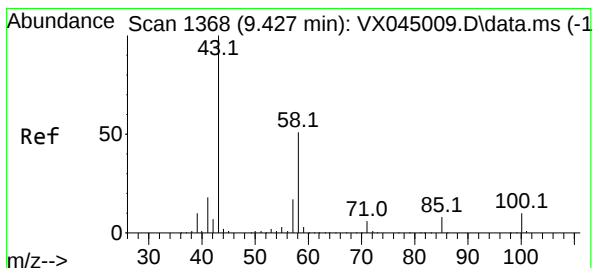
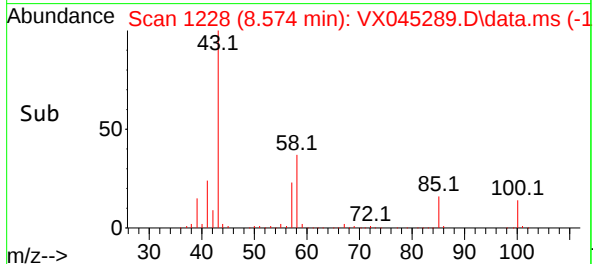
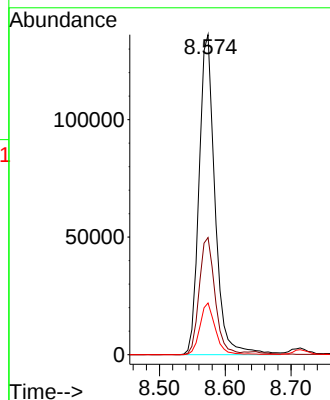
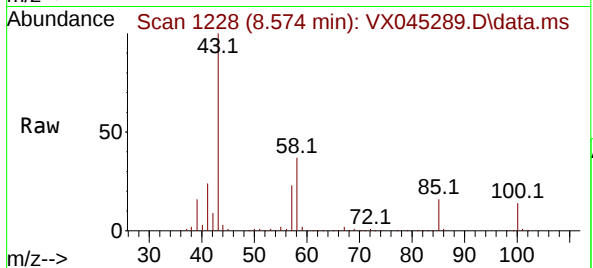
Tgt Ion: 43 Resp: 229183

Ion Ratio Lower Upper

43 100

58 36.4 29.5 44.3

85 15.7 12.9 19.3



#59

2-Hexanone

Concen: 147.557 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

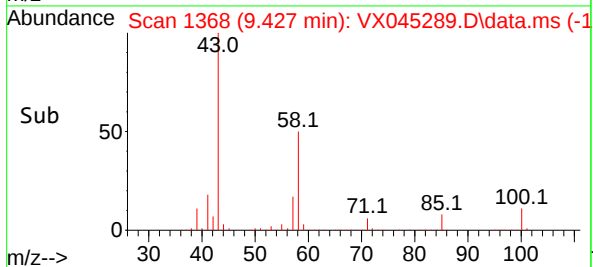
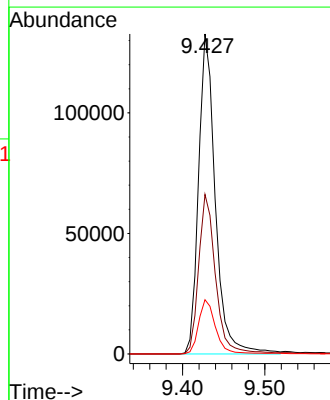
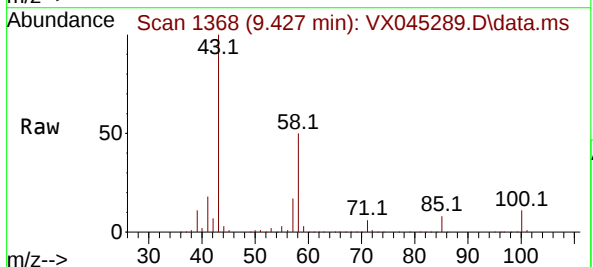
Tgt Ion: 43 Resp: 188355

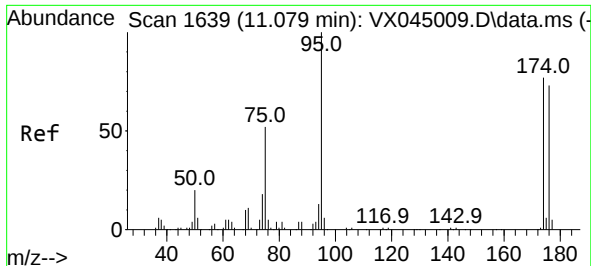
Ion Ratio Lower Upper

43 100

58 50.2 41.6 62.4

57 17.1 13.8 20.6

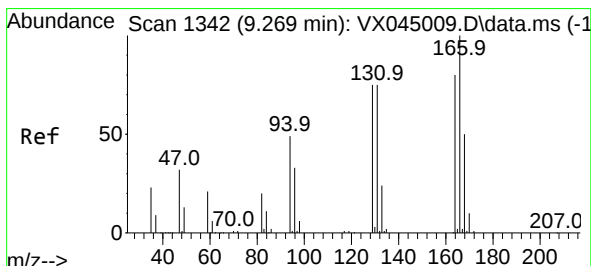
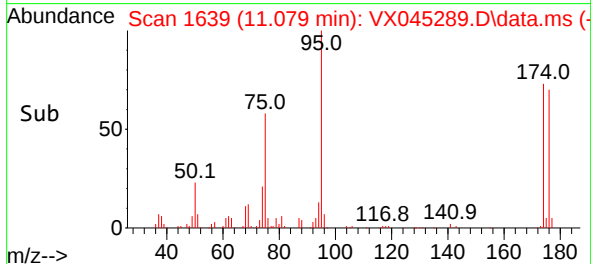
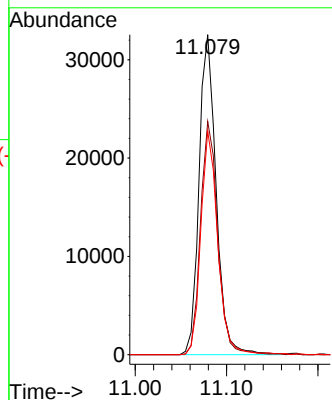
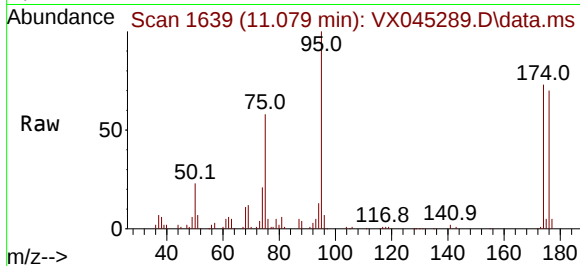




#60
4-Bromofluorobenzene
Concen: 29.138 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

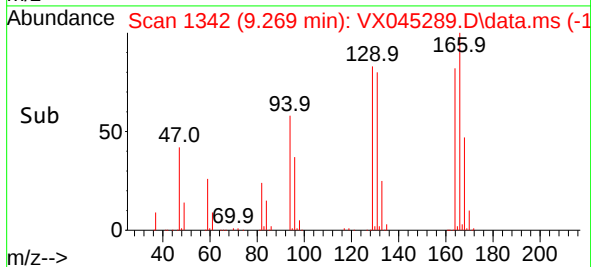
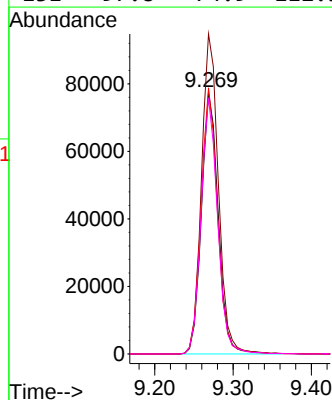
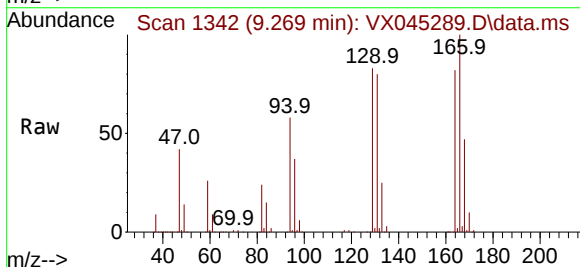
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

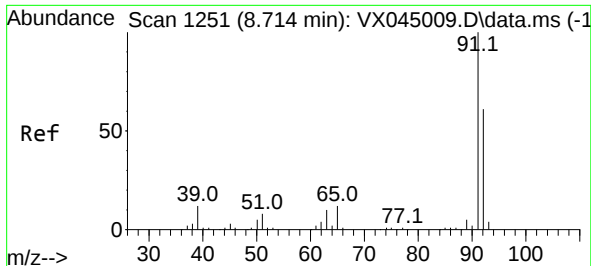
Tgt Ion: 95 Resp: 42282
Ion Ratio Lower Upper
95 100
174 73.1 59.5 89.3
176 68.9 55.5 83.3



#61
Tetrachloroethene
Concen: 120.564 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 164 Resp: 115257
Ion Ratio Lower Upper
164 100
166 122.3 100.3 150.5
129 101.7 75.5 113.3
131 97.8 74.9 112.3

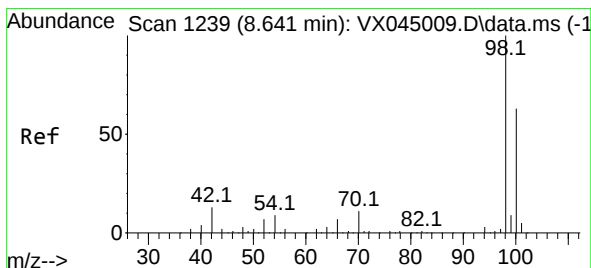
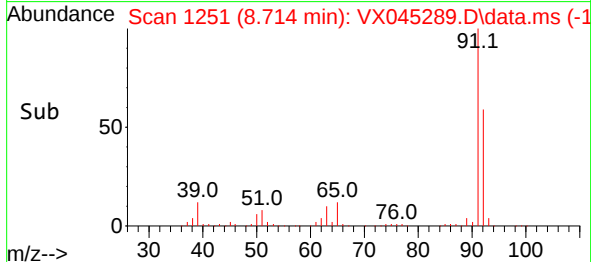
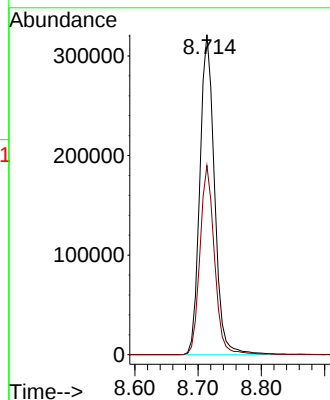
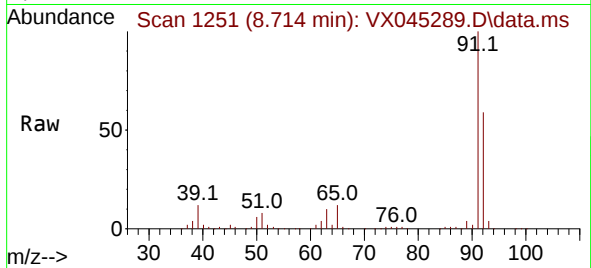




#62
Toluene
Concen: 101.132 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

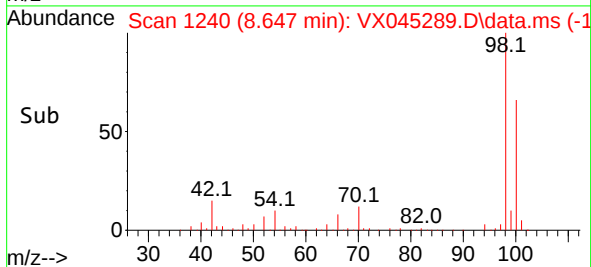
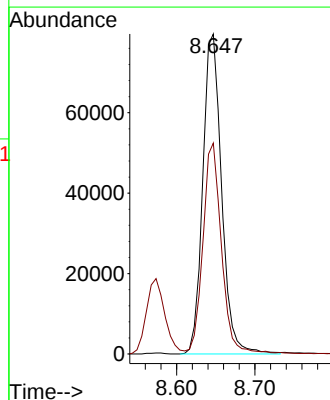
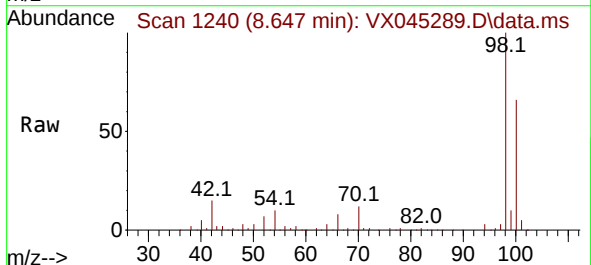
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

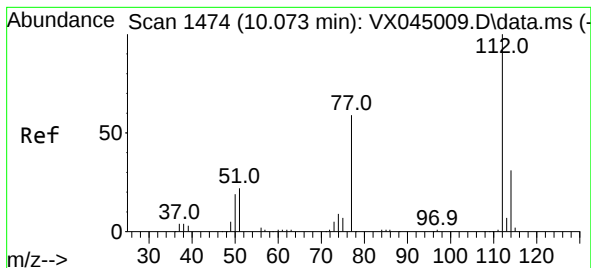
Tgt Ion: 91 Resp: 520098
Ion Ratio Lower Upper
91 100
92 58.3 46.9 70.3



#63
Toluene-d8
Concen: 30.955 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 98 Resp: 132949
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5





#64

Chlorobenzene

Concen: 111.129 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

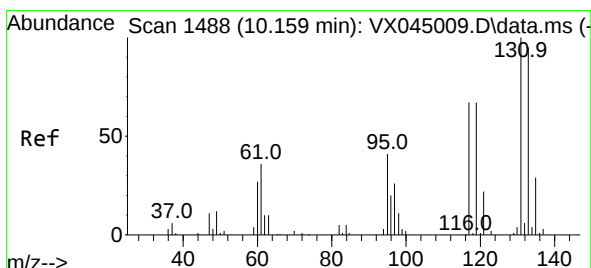
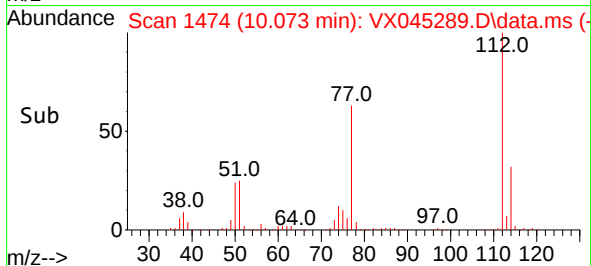
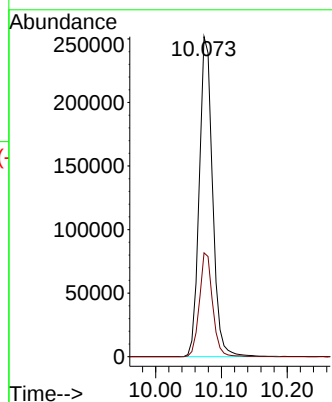
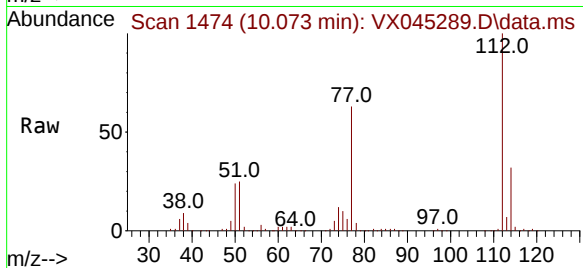
PT-VOA-WP

Tgt Ion:112 Resp: 354147

Ion Ratio Lower Upper

112 100

114 32.5 24.7 37.1



#65

1,1,1,2-Tetrachloroethane

Concen: 106.168 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

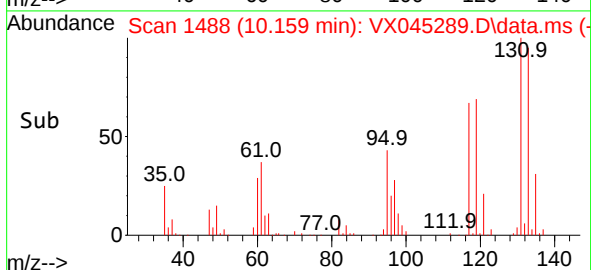
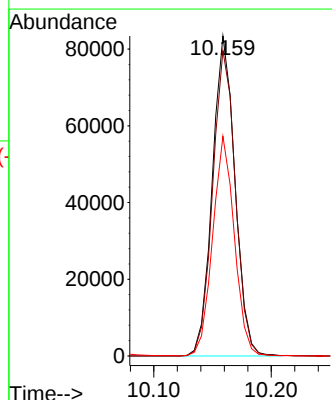
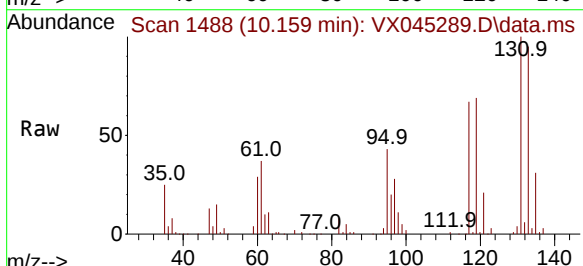
Tgt Ion:131 Resp: 111641

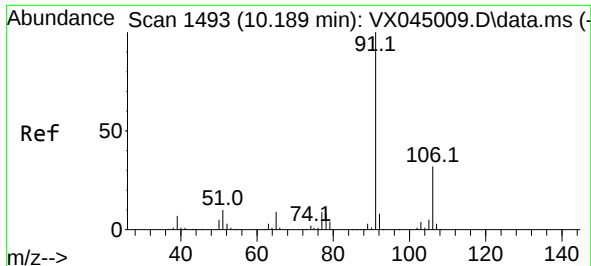
Ion Ratio Lower Upper

131 100

133 95.7 0.0 187.8

119 66.0 0.0 133.0

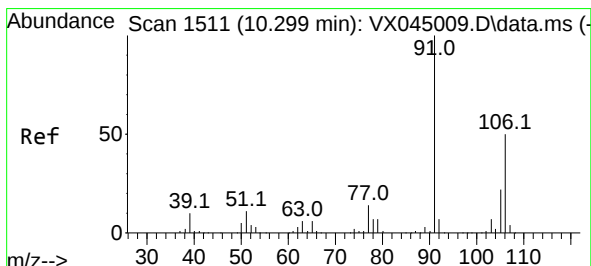
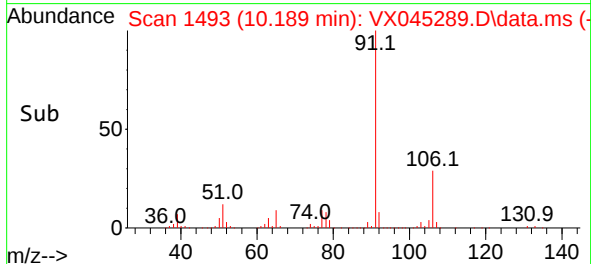
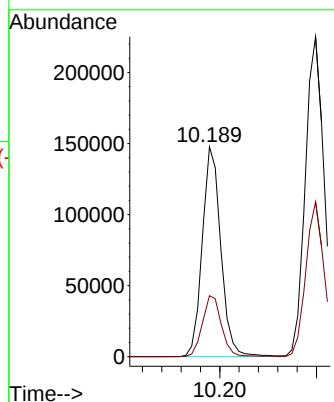
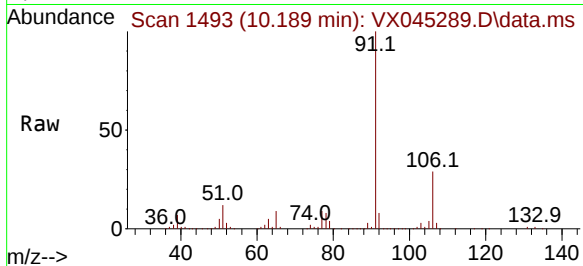




#66
Ethyl Benzene
Concen: 34.972 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

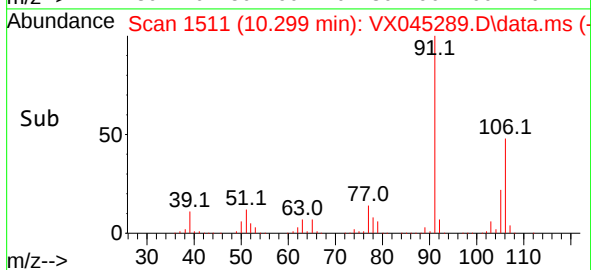
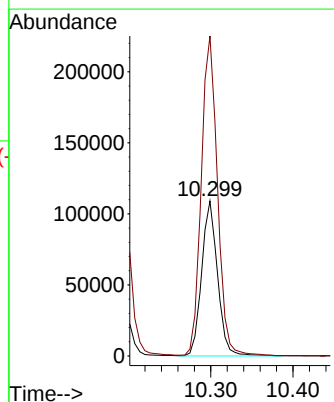
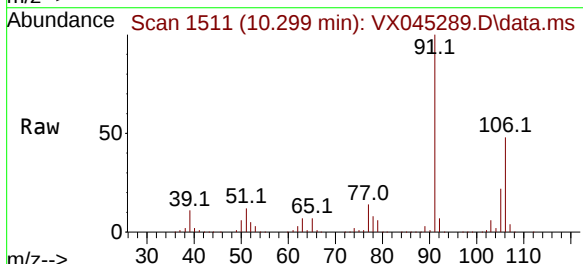
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

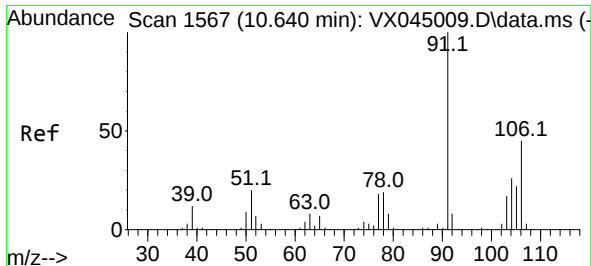
Tgt Ion: 91 Resp: 196906
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.2



#67
m/p-Xylenes
Concen: 69.792 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 106 Resp: 146407
Ion Ratio Lower Upper
106 100
91 210.7 163.7 245.5

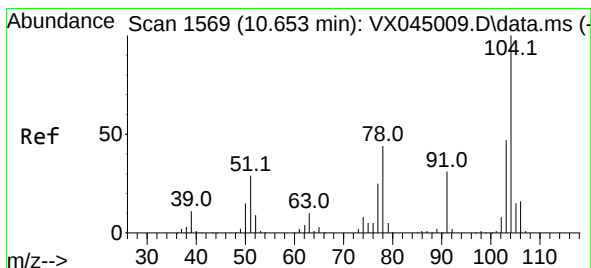
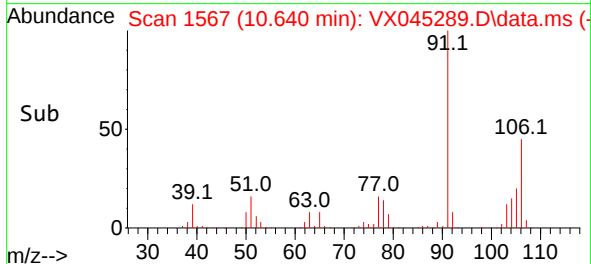
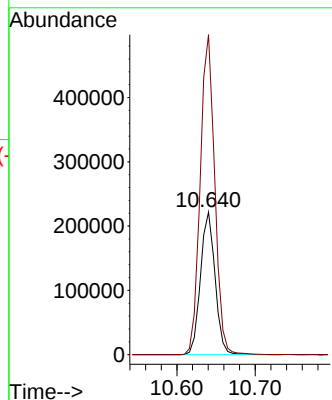
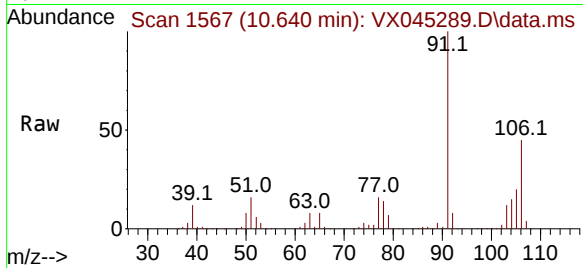




#68
o-Xylene
Concen: 139.393 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

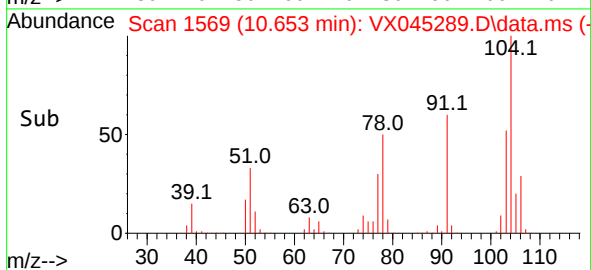
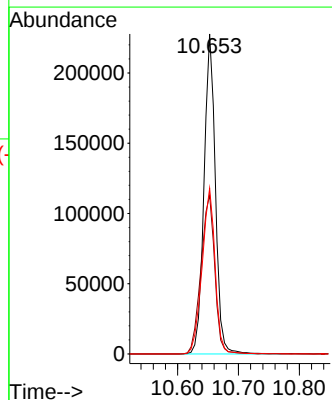
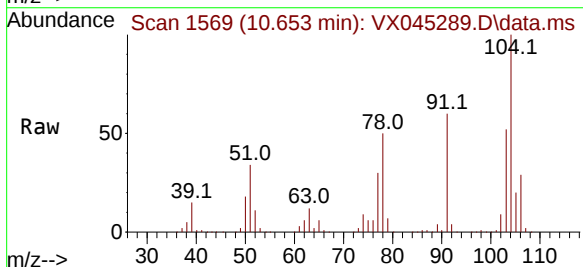
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

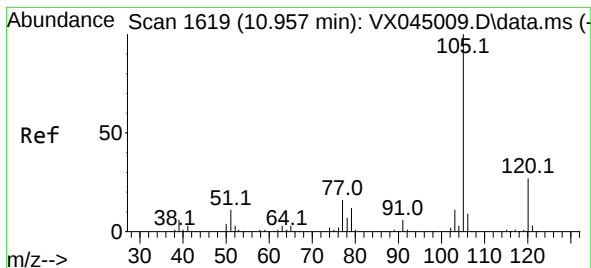
Tgt Ion:106 Resp: 286905
Ion Ratio Lower Upper
106 100
91 224.0 109.7 329.1



#69
Styrene
Concen: 86.204 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion:104 Resp: 296336
Ion Ratio Lower Upper
104 100
78 59.8 41.4 62.0
103 59.2 43.0 64.4





#70

Isopropylbenzene

Concen: 0.218 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.421 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

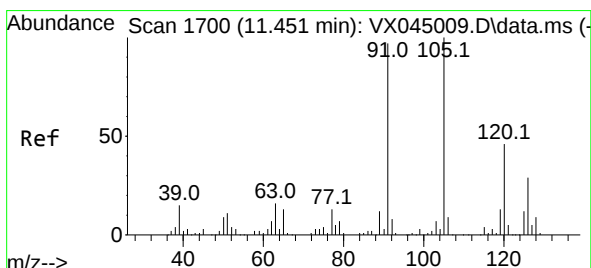
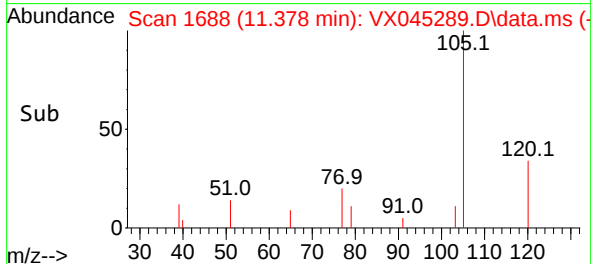
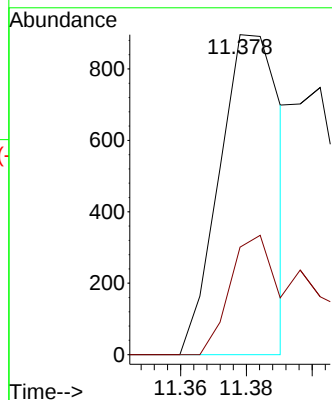
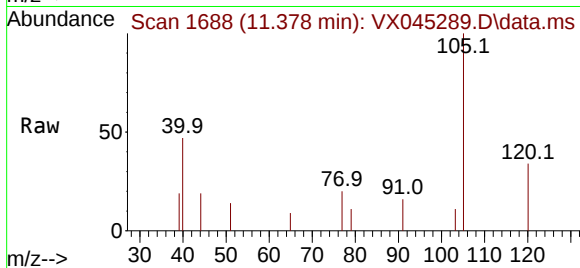
PT-VOA-WP

Tgt Ion:105 Resp: 1160

Ion Ratio Lower Upper

105 100

120 27.9 18.4 34.2



#76

1,3,5-Trimethylbenzene

Concen: 89.198 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045289.D

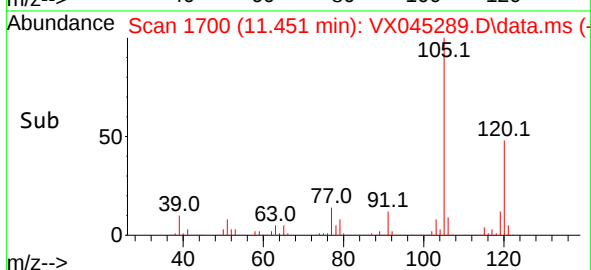
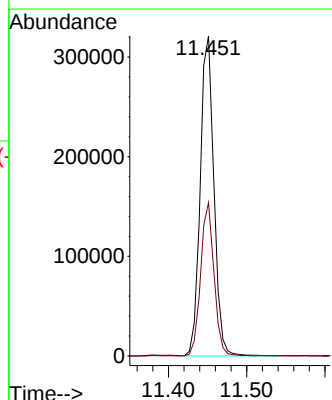
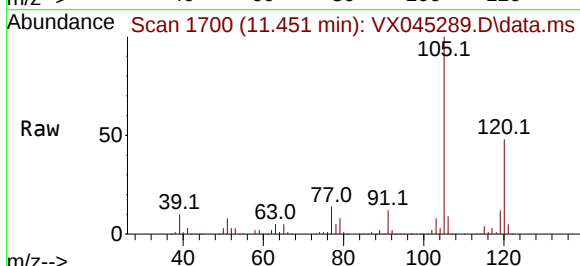
Acq: 14 Mar 2025 12:09

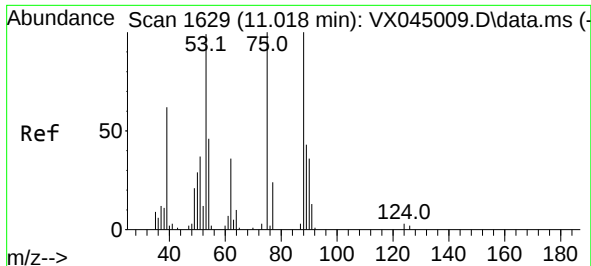
Tgt Ion:105 Resp: 390858

Ion Ratio Lower Upper

105 100

120 46.7 0.0 94.4

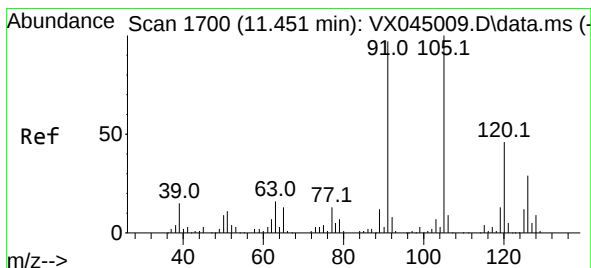
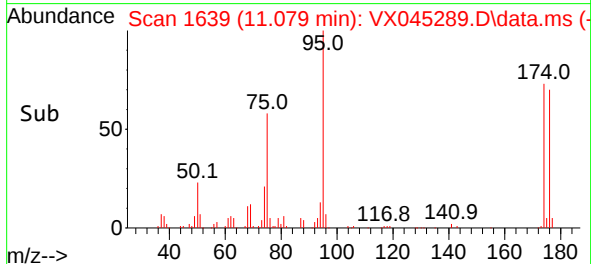
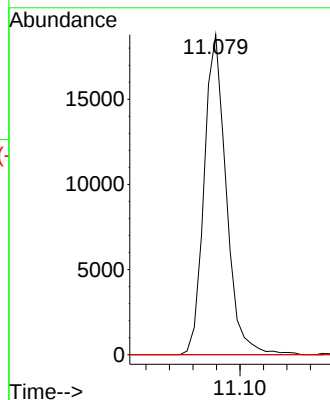
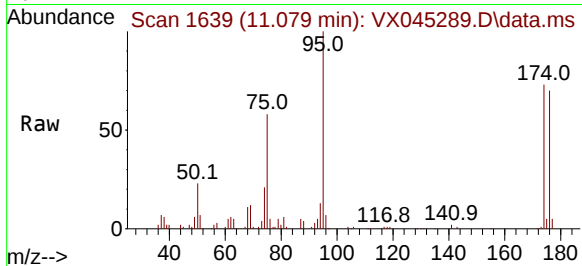




#77
t-1,4-Dichloro-2-butene
Concen: 50.679 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

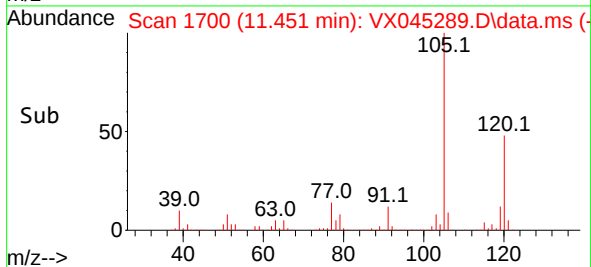
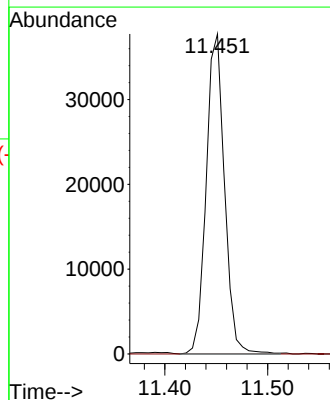
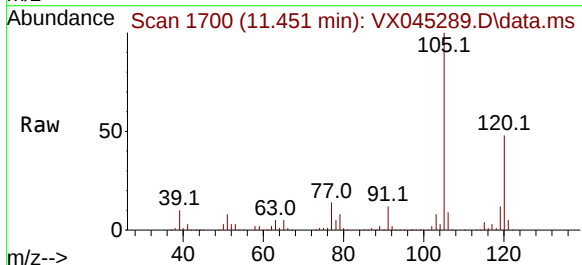
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

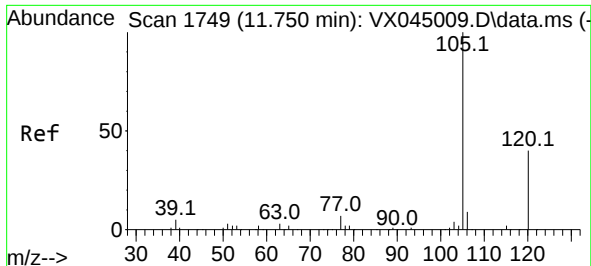
Tgt Ion: 75 Resp: 24495
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#



#78
4-Chlorotoluene
Concen: 10.941 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion: 91 Resp: 46606
Ion Ratio Lower Upper
91 100
126 0.0 0.0 58.0





#80

1,2,4-Trimethylbenzene

Concen: 0.615 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

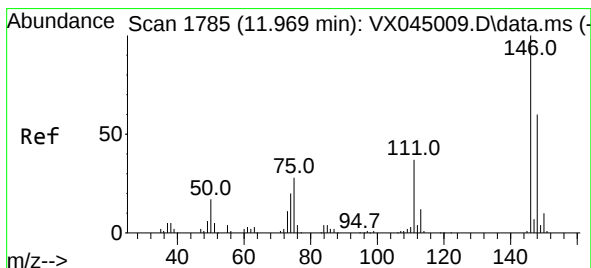
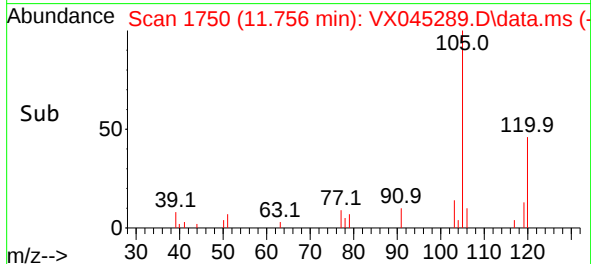
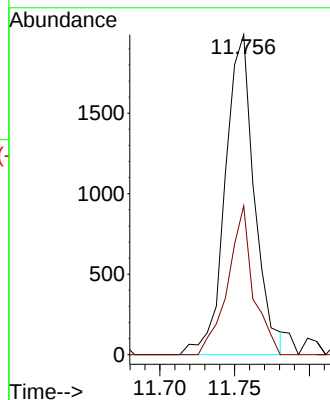
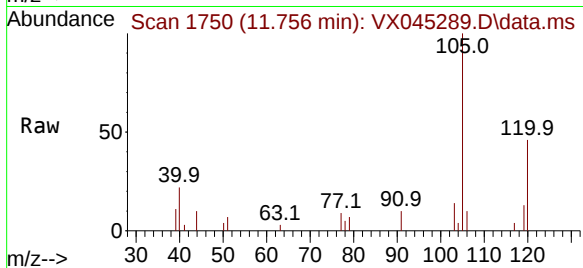
PT-VOA-WP

Tgt Ion:105 Resp: 2700

Ion Ratio Lower Upper

105 100

120 40.4 0.0 88.4



#83

1,3-Dichlorobenzene

Concen: 47.089 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045289.D

Acq: 14 Mar 2025 12:09

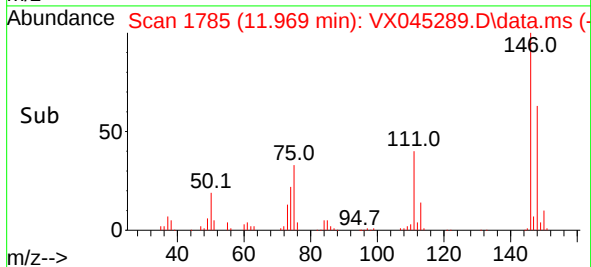
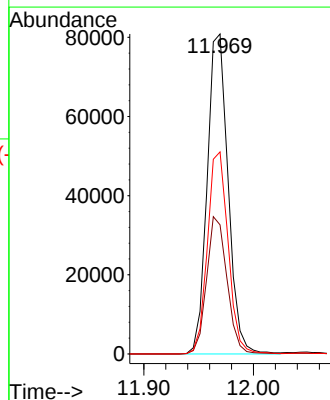
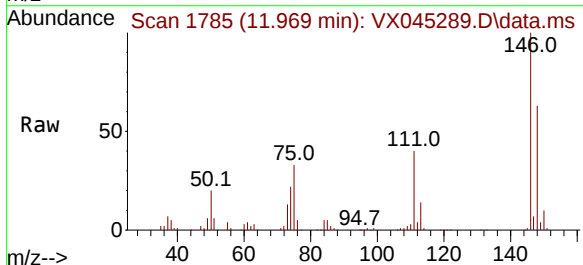
Tgt Ion:146 Resp: 107129

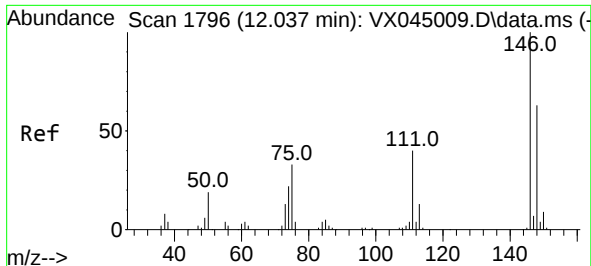
Ion Ratio Lower Upper

146 100

111 42.0 20.2 60.5

148 62.6 31.2 93.6

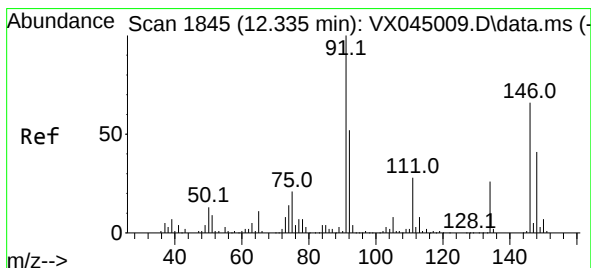
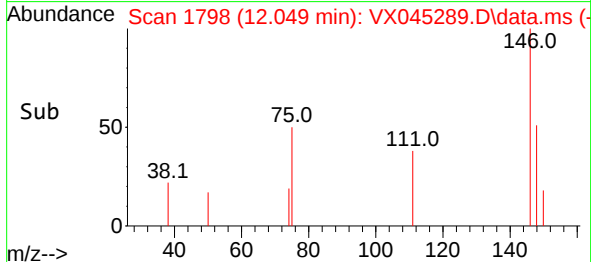
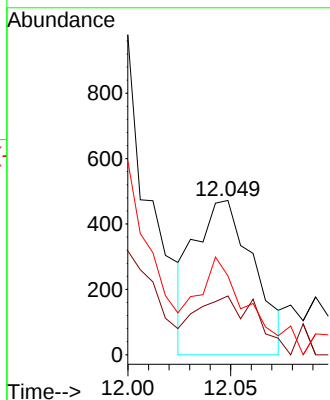
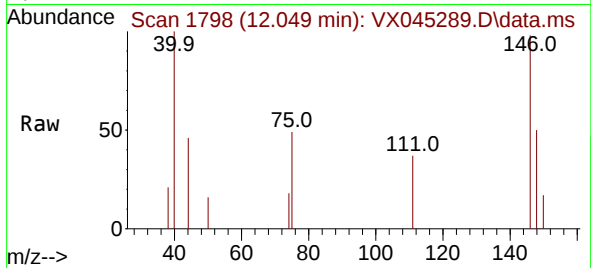




#84
1,4-Dichlorobenzene
Concen: 0.421 ug/l
RT: 12.049 min Scan# 1796
Delta R.T. 0.012 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

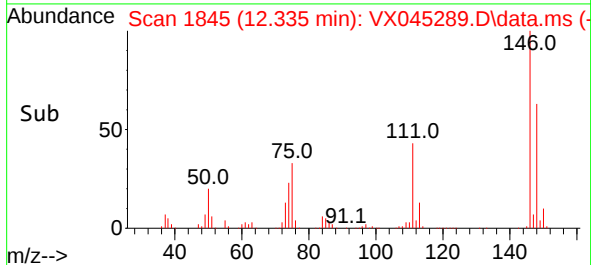
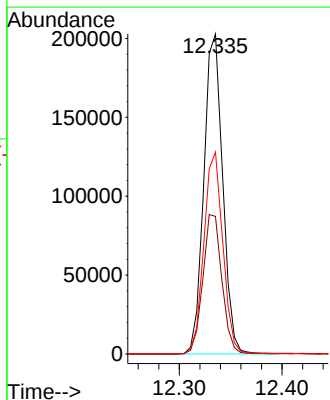
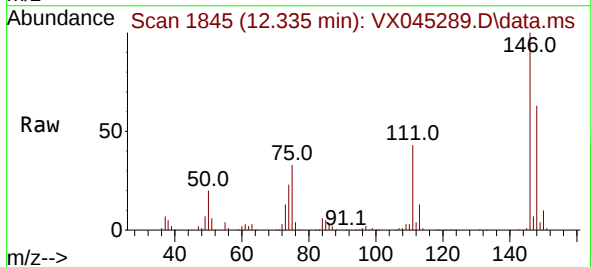
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

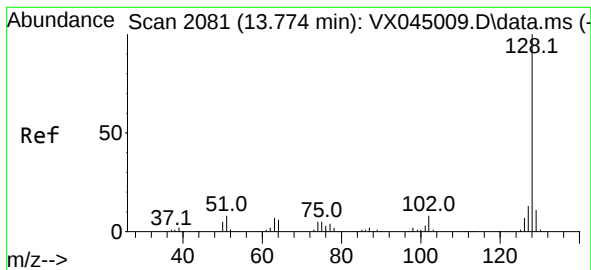
Tgt Ion:146	Resp:	944
Ion Ratio	Lower	Upper
146	100	
111	28.2	20.4 61.2
148	52.0	31.8 95.4



#87
1,2-Dichlorobenzene
Concen: 116.034 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045289.D
Acq: 14 Mar 2025 12:09

Tgt Ion:146	Resp:	259016
Ion Ratio	Lower	Upper
146	100	
111	44.0	21.7 65.1
148	63.2	31.8 95.4





#91

Naphthalene

Concen: 85.803 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX045289.D

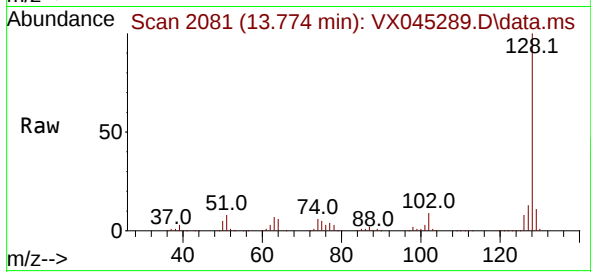
Acq: 14 Mar 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP



Tgt Ion:128 Resp: 409326

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.9 8.7 13.1

