

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041536.D
 Acq On : 15 May 2024 13:29
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 16 05:16:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	28354	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	160423	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	143449	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66653	29.851	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.500%
60) 4-Bromofluorobenzene	11.079	95	62014	27.693	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.300%
63) Toluene-d8	8.647	98	184760	30.047	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.167%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	645	0.435	ug/l	75
3) Chloromethane	1.294	50	782	0.482	ug/l #	88
4) Vinyl Chloride	1.374	62	743	0.435	ug/l #	88
5) Bromomethane	1.599	94	1031	0.948	ug/l	100
7) Trichlorofluoromethane	1.867	101	1015	0.391	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	739	0.491	ug/l	99
10) 1,1-Dichloroethene	2.306	96	907	0.625	ug/l #	74
11) Methyl Iodide	2.447	142	1250	0.723	ug/l	86
12) Methyl Acetate	2.715	43	1029	0.471	ug/l #	63
13) Acrolein	2.239	56	673	2.530	ug/l	95
14) Acrylonitrile	3.081	53	2083	2.169	ug/l	96
15) Acetone	2.386	58	830	3.225	ug/l	90
16) Carbon Disulfide	2.502	76	6403	1.955	ug/l	99
17) Allyl chloride	2.654	41	1030	0.400	ug/l	80
18) Methylene Chloride	2.788	84	1208	0.700	ug/l	90
22) cis-1,2-Dichloroethene	4.495	96	810	0.401	ug/l #	80
29) 1,1-Dichloropropene	5.696	75	1339	0.631	ug/l	62
37) Trichloroethene	7.135	130	1186	0.635	ug/l	94
38) Methylcyclohexane	7.385	83	1161	0.431	ug/l	89
40) Dibromomethane	7.586	93	531	0.426	ug/l	75
42) Vinyl Acetate	3.745	43	3931	0.804	ug/l #	82
47) n-amyl Acetate	10.866	43	761	0.204	ug/l #	88
48) t-1,3-Dichloropropene	8.994	75	784	0.334	ug/l	99
49) cis-1,3-Dichloropropene	8.379	75	688	0.270	ug/l	94
54) 1,2-Dibromoethane	9.616	107	500	0.272	ug/l	92
55) 2-Chloroethyl vinyl ether	8.257	63	1986	1.457	ug/l #	83
58) 4-Methyl-2-Pentanone	8.586	43	2446	0.933	ug/l #	86
59) 2-Hexanone	9.445	43	1885	0.903	ug/l #	92
61) Tetrachloroethene	9.269	164	1313	0.748	ug/l	92
62) Toluene	8.726	91	2647	0.371	ug/l	93
64) Chlorobenzene	10.079	112	2420	0.499	ug/l #	85
66) Ethyl Benzene	10.195	91	3351	0.423	ug/l	95
67) m/p-Xylenes	10.305	106	2864	0.924	ug/l	91
68) o-Xylene	10.640	106	1148	0.368	ug/l	93
69) Styrene	10.665	104	1748	0.334	ug/l	90
70) Isopropylbenzene	10.963	105	3183	0.404	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.213	83	602	0.222	ug/l	89
73) Bromobenzene	11.201	156	1218	0.526	ug/l	96
74) n-propylbenzene	11.305	91	4913	0.553	ug/l	98

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

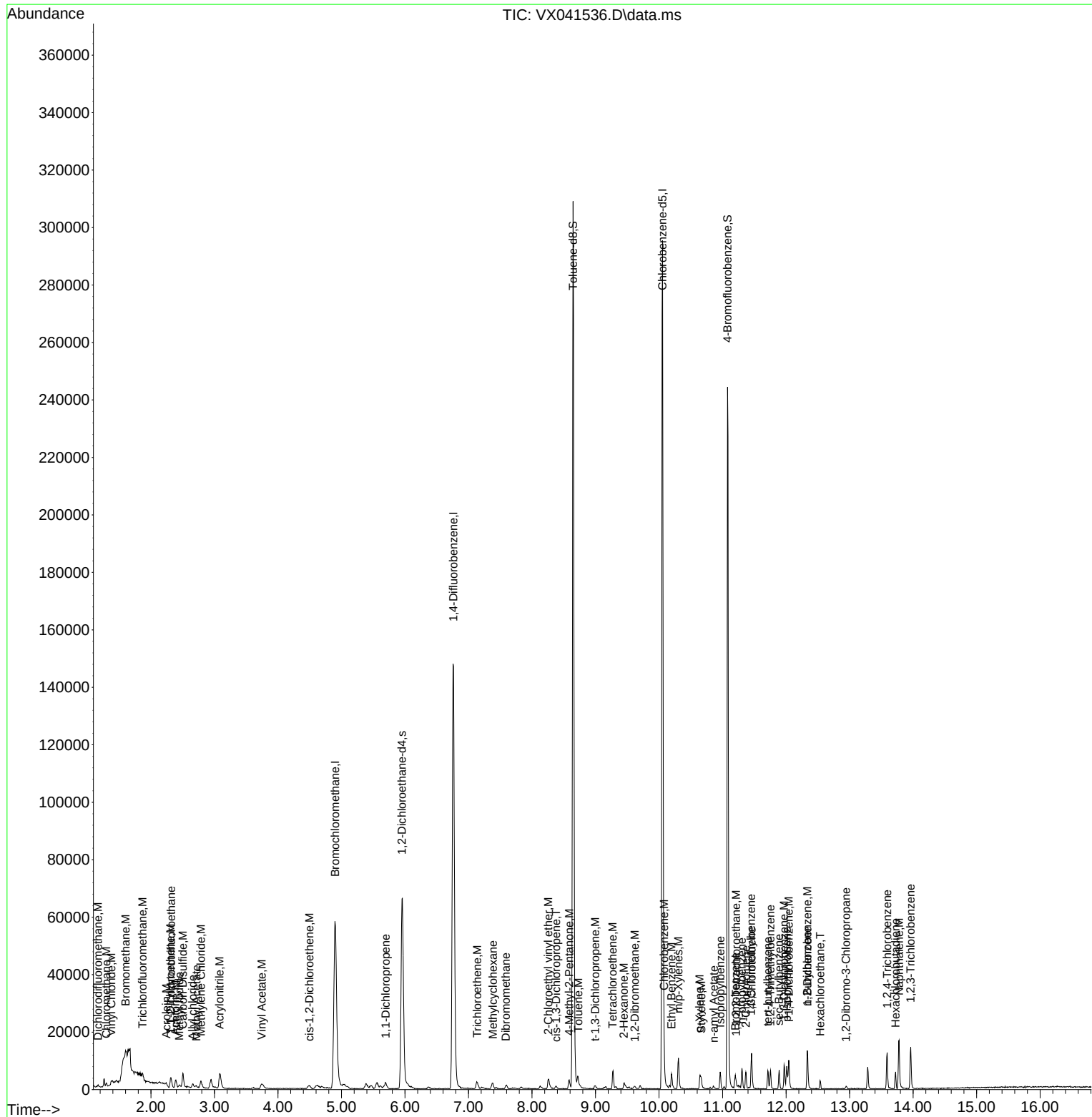
75) 2-Chlorotoluene	11.366	91	3028	0.542	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	2916	0.433	ug/l	93
78) 4-Chlorotoluene	11.457	91	4361	0.686	ug/l	95
79) tert-butylbenzene	11.713	119	2413	0.337	ug/l	88
80) 1,2,4-Trimethylbenzene	11.756	105	3102	0.460	ug/l	99
81) sec-Butylbenzene	11.890	105	3810	0.455	ug/l	97
82) p-Isopropyltoluene	12.012	119	3632	0.496	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	3467	0.835	ug/l	93
84) 1,4-Dichlorobenzene	12.042	146	3758	0.895	ug/l	99
85) n-Butylbenzene	12.335	91	3569	0.605	ug/l	98
86) Hexachloroethane	12.536	117	365	0.296	ug/l	89
87) 1,2-Dichlorobenzene	12.335	146	2417	0.570	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.945	75	215	0.361	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	3825	1.343	ug/l	99
90) Hexachlorobutadiene	13.725	225	1131	0.814	ug/l	93
91) Naphthalene	13.780	128	13711	1.610	ug/l	96
92) 1,2,3-Trichlorobenzene	13.963	180	4297	1.476	ug/l	99

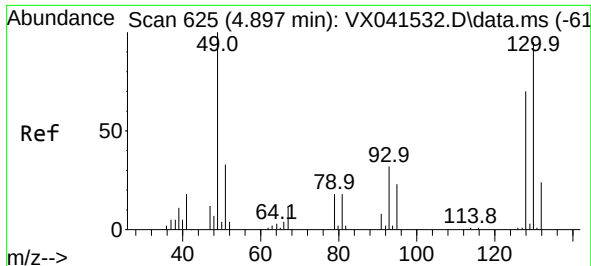
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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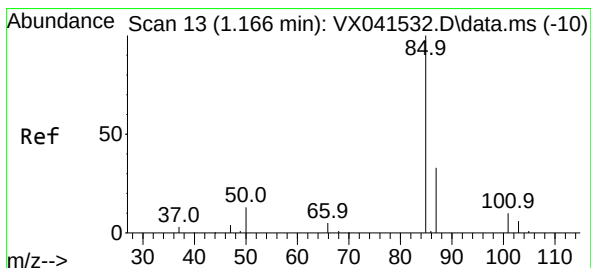
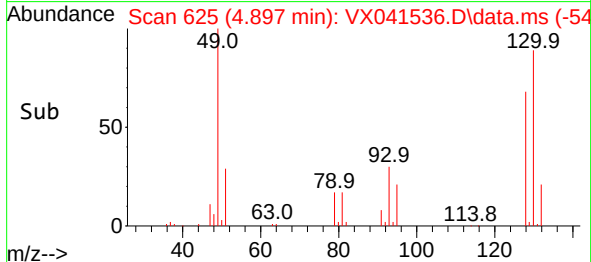
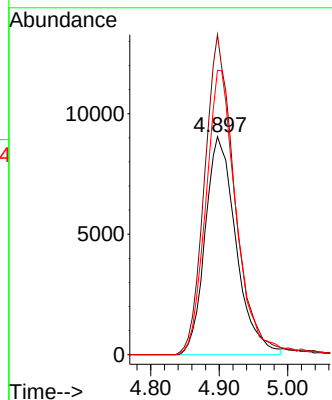
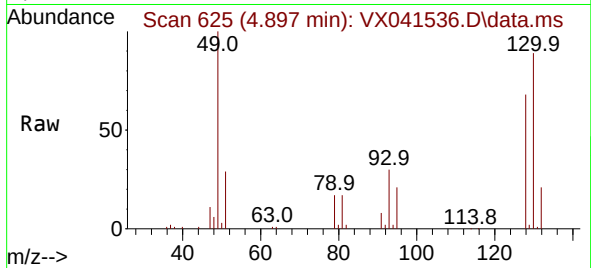




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

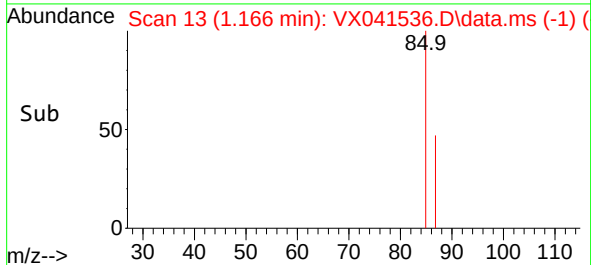
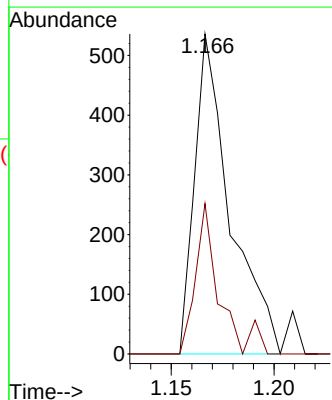
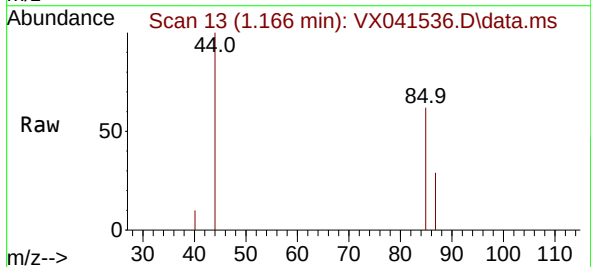
Instrument :
MSVOA_X
ClientSampleId :
IBLK

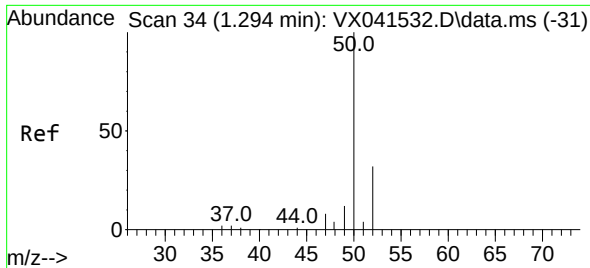
Tgt Ion:128 Resp: 28354
Ion Ratio Lower Upper
128 100
49 143.1 0.0 361.5
130 127.9 0.0 324.3



#2
Dichlorodifluoromethane
Concen: 0.435 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 85 Resp: 645
Ion Ratio Lower Upper
85 100
87 47.0 16.4 49.1

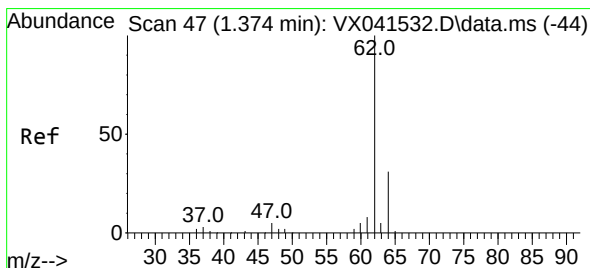
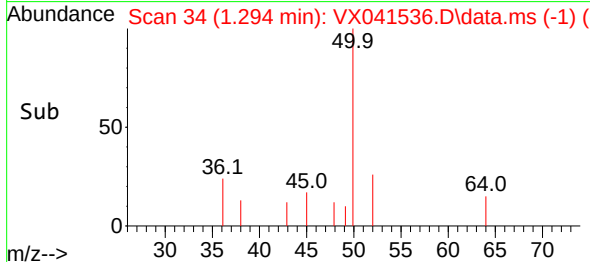
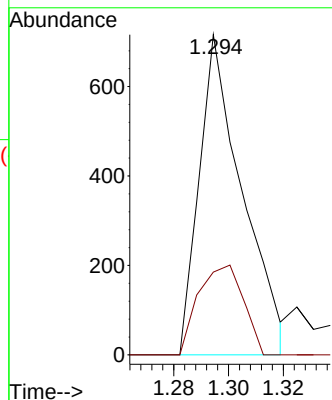
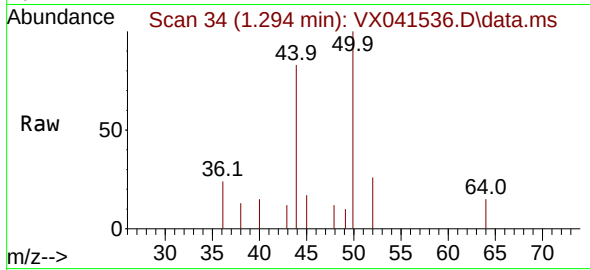




#3
Chloromethane
Concen: 0.482 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

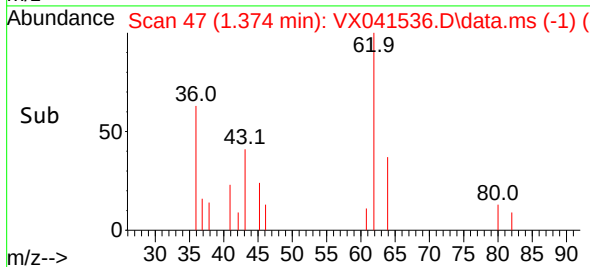
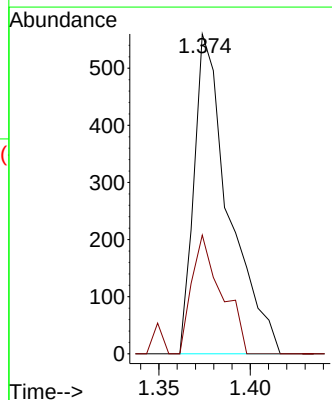
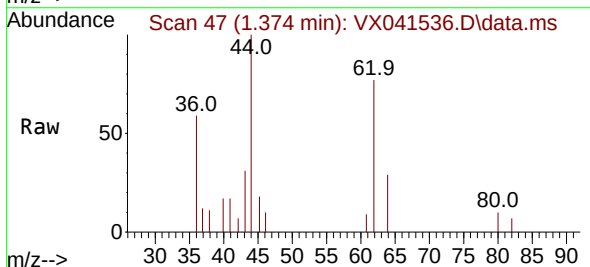
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MSVOA_X
ClientSampleId :
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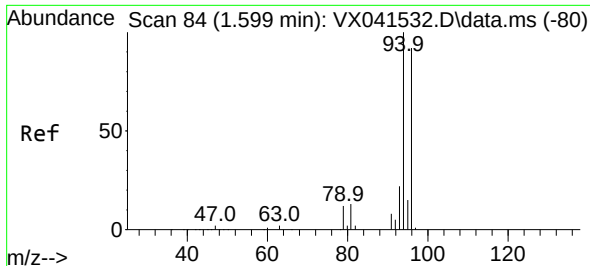
Tgt Ion: 50 Resp: 782
Ion Ratio Lower Upper
50 100
52 25.8 25.8 38.8#



#4
Vinyl Chloride
Concen: 0.435 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 62 Resp: 743
Ion Ratio Lower Upper
62 100
64 37.1 24.6 37.0#

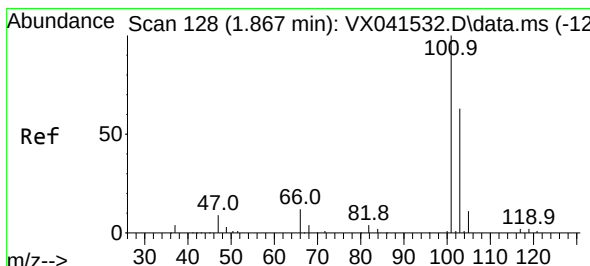
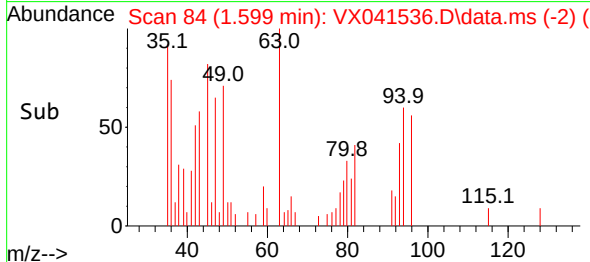
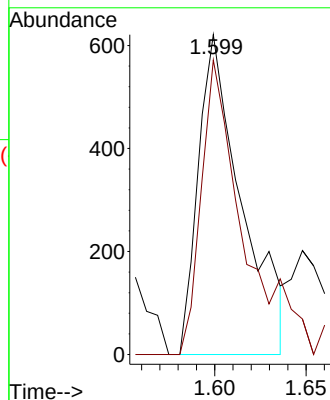
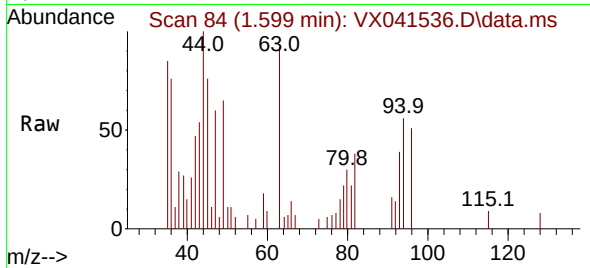




#5
Bromomethane
Concen: 0.948 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

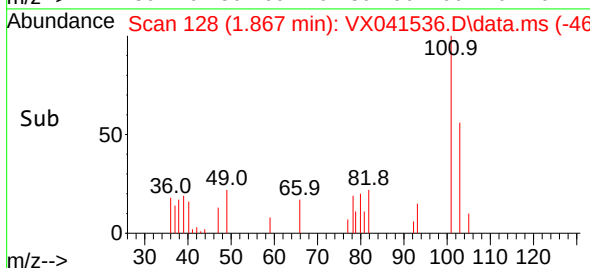
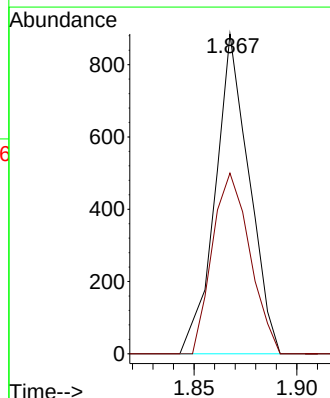
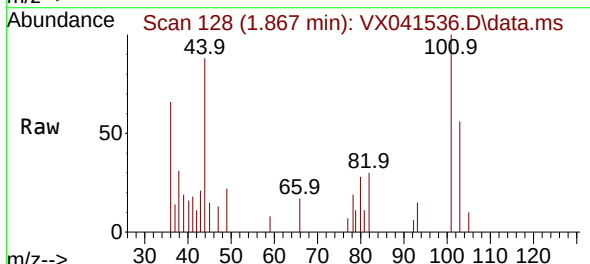
Instrument :
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ClientSampleId :
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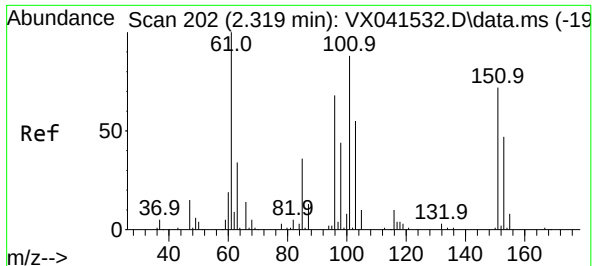
Tgt Ion: 94 Resp: 1031
Ion Ratio Lower Upper
94 100
96 92.1 73.9 110.9



#7
Trichlorofluoromethane
Concen: 0.391 ug/l
RT: 1.867 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion:101 Resp: 1015
Ion Ratio Lower Upper
101 100
103 56.5 50.1 75.1

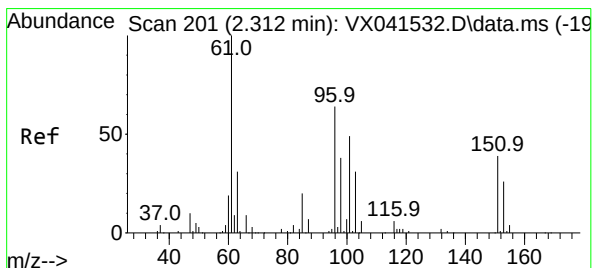
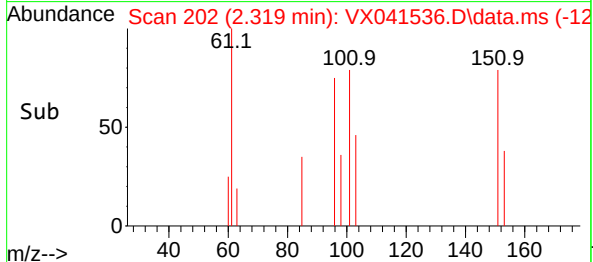
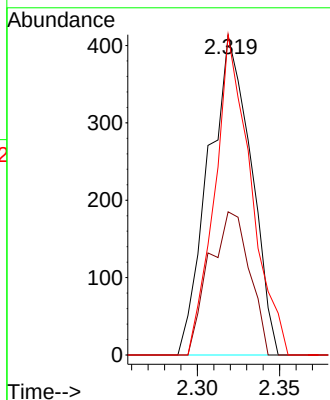
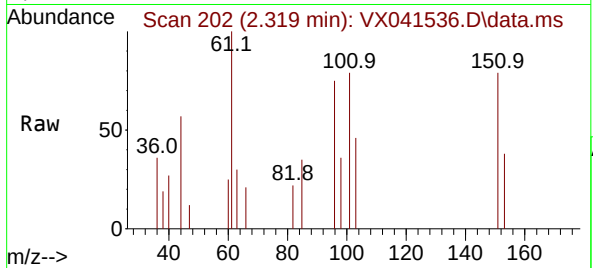




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.491 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

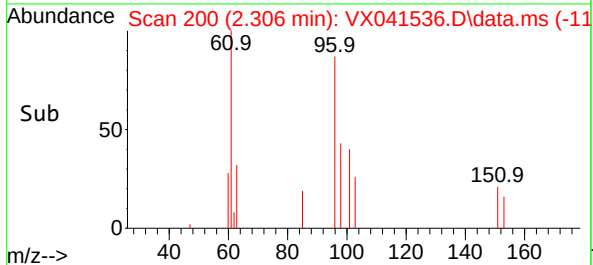
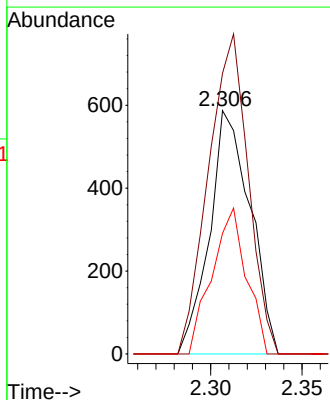
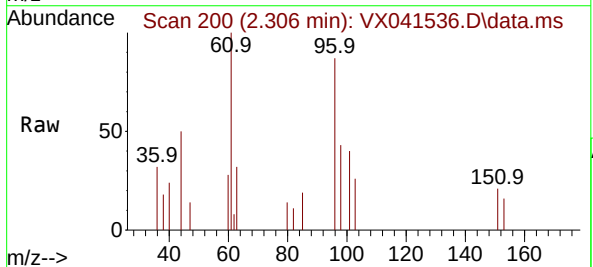
Instrument :
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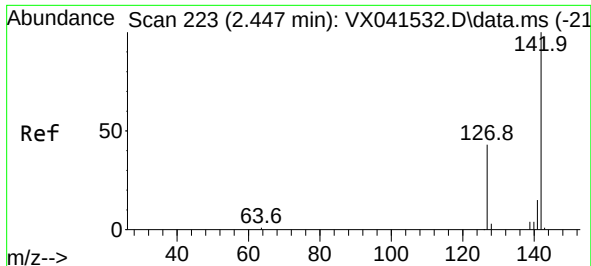
Tgt Ion:101 Resp: 739
 Ion Ratio Lower Upper
 101 100
 85 42.6 0.0 84.6
 151 85.8 0.0 170.2



#10
 1,1-Dichloroethene
 Concen: 0.625 ug/l
 RT: 2.306 min Scan# 200
 Delta R.T. -0.006 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

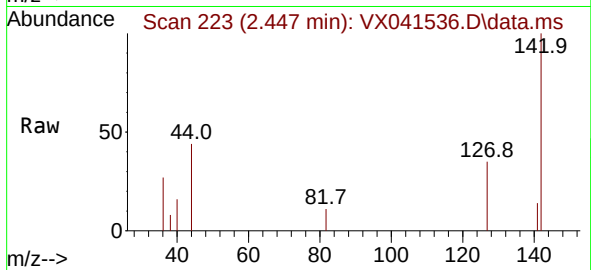
Tgt Ion: 96 Resp: 907
 Ion Ratio Lower Upper
 96 100
 61 115.3 124.5 186.7#
 98 49.6 47.9 71.9



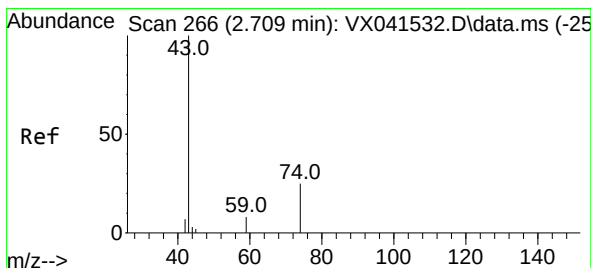
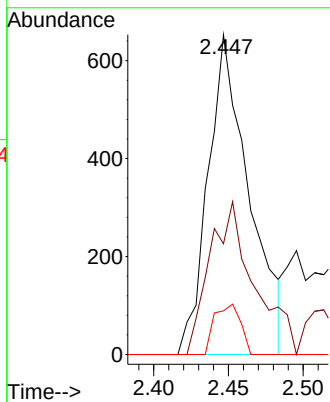
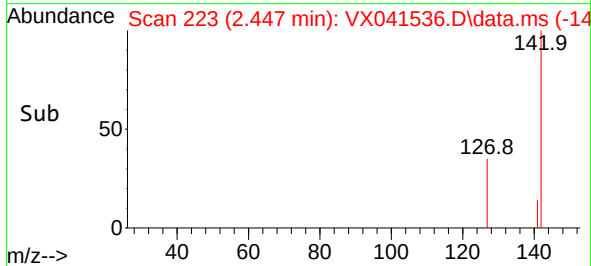


#11
Methyl Iodide
Concen: 0.723 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.000 min
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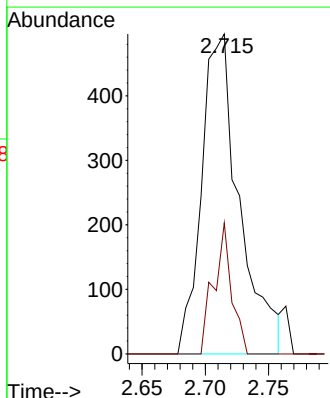
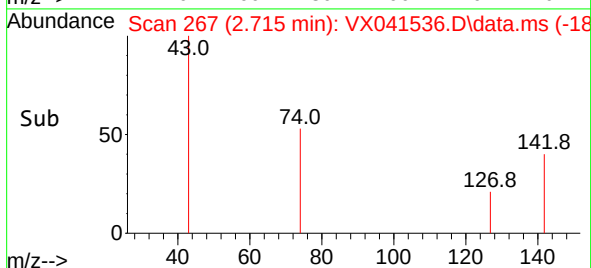
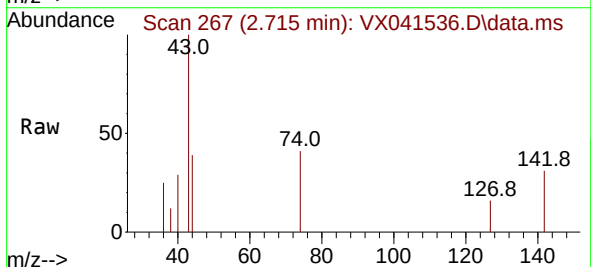


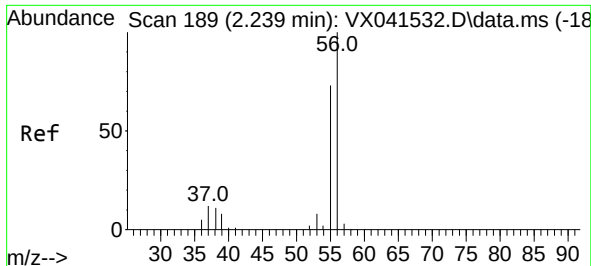
Tgt Ion:142 Resp: 1250
Ion Ratio Lower Upper
142 100
127 30.8 21.4 64.2
141 15.4 7.6 22.8



#12
Methyl Acetate
Concen: 0.471 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
74 43.6 19.9 29.9#





#13

Acrolein

Concen: 2.530 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

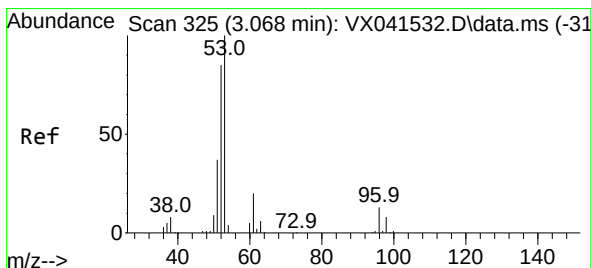
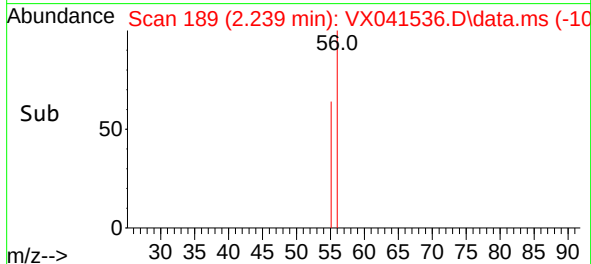
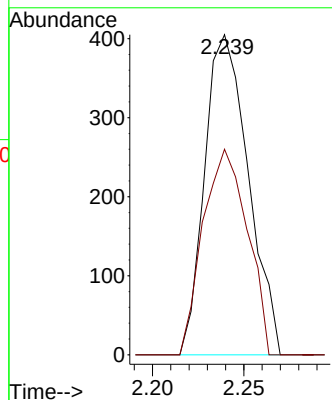
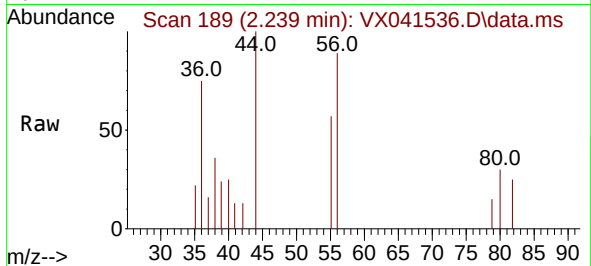
IBLK

Tgt Ion: 56 Resp: 673

Ion Ratio Lower Upper

56 100

55 65.2 55.1 82.7



#14

Acrylonitrile

Concen: 2.169 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.012 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

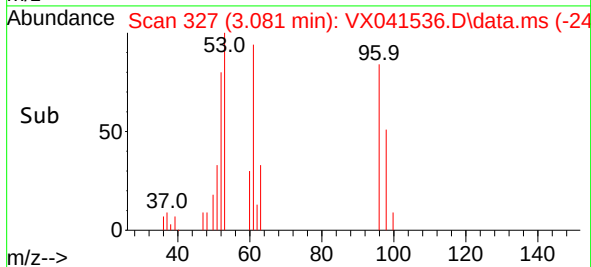
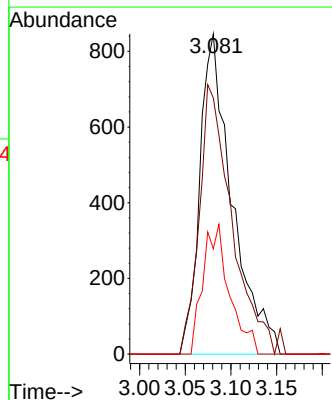
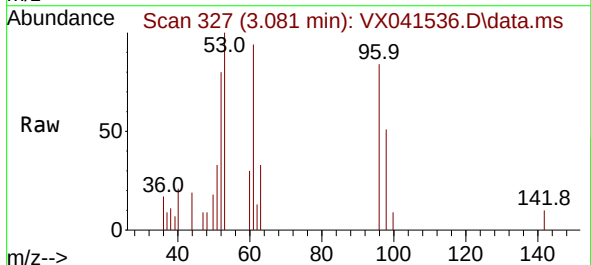
Tgt Ion: 53 Resp: 2083

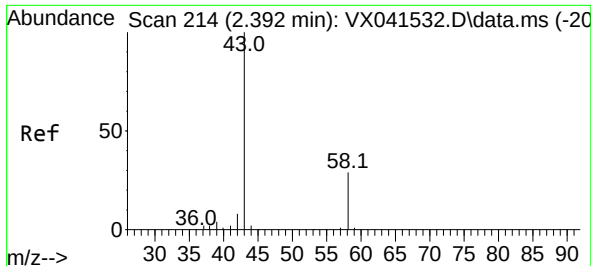
Ion Ratio Lower Upper

53 100

52 84.4 41.3 123.7

51 32.1 18.4 55.0





#15

Acetone

Concen: 3.225 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

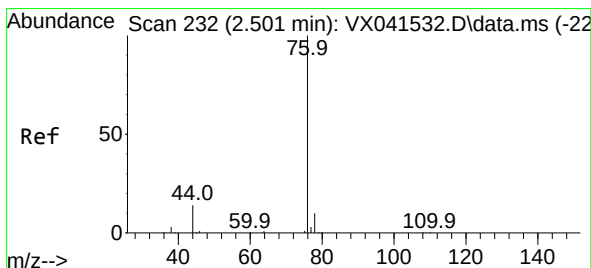
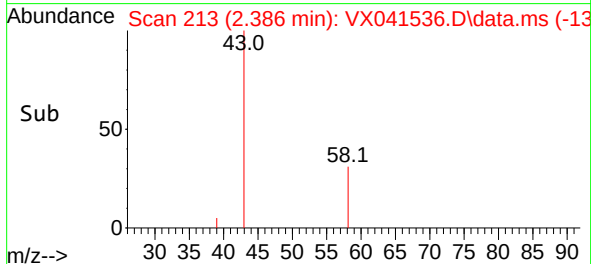
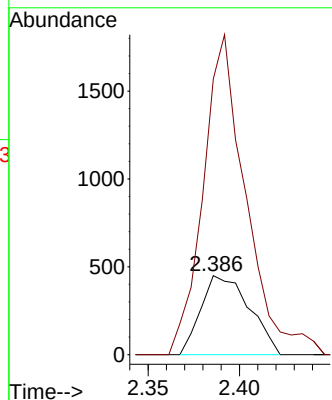
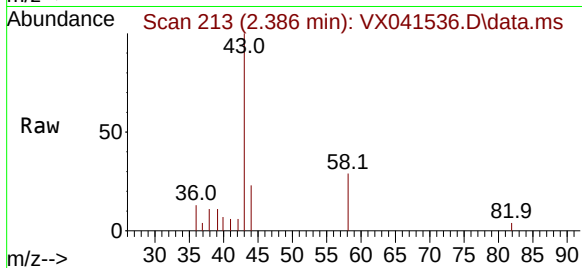
IBLK

Tgt Ion: 58 Resp: 830

Ion Ratio Lower Upper

58 100

43 320.2 274.0 411.0



#16

Carbon Disulfide

Concen: 1.955 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX041536.D

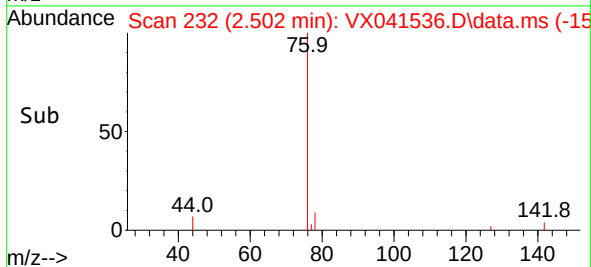
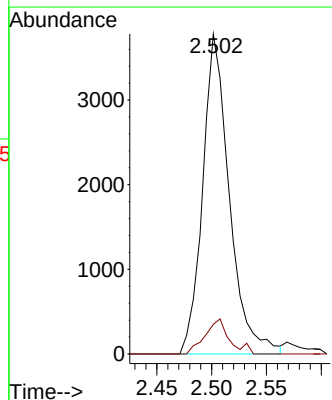
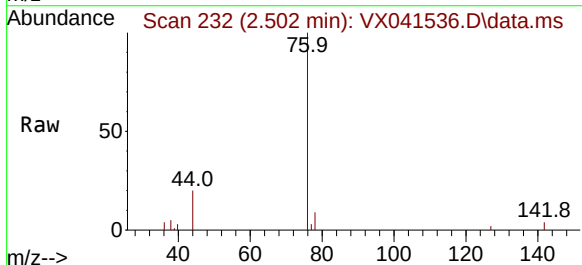
Acq: 15 May 2024 13:29

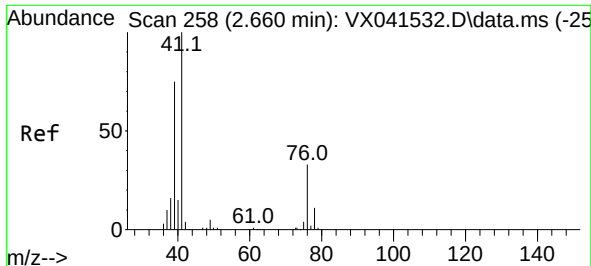
Tgt Ion: 76 Resp: 6403

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4





#17

Allyl chloride

Concen: 0.400 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

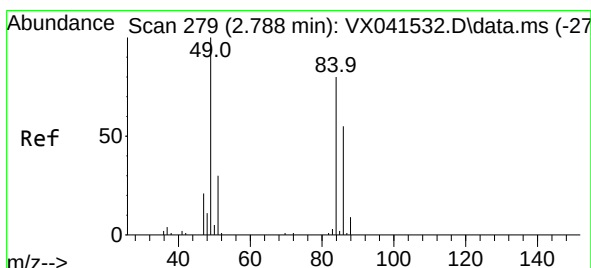
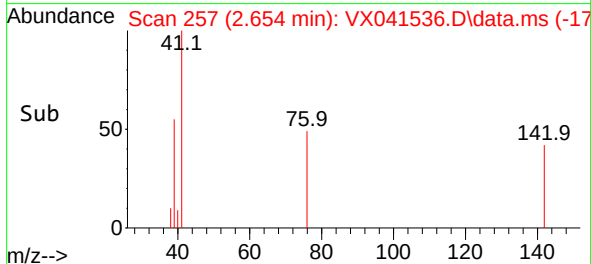
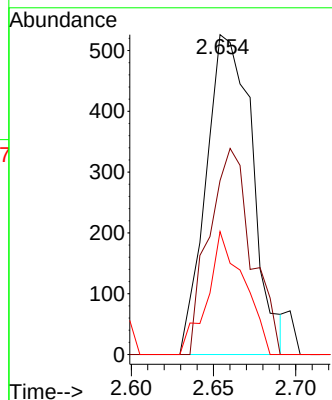
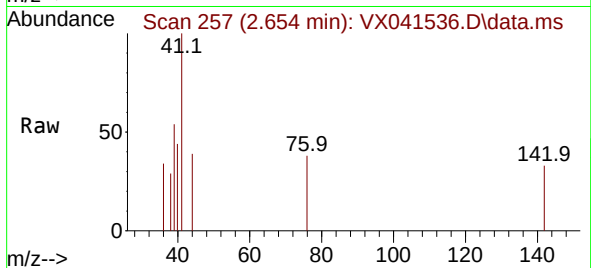
Tgt Ion: 41 Resp: 1030

Ion Ratio Lower Upper

41 100

39 54.4 37.5 112.7

76 38.4 16.6 49.8



#18

Methylene Chloride

Concen: 0.700 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Tgt Ion: 84 Resp: 1208

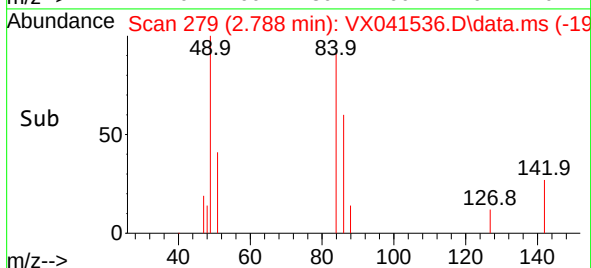
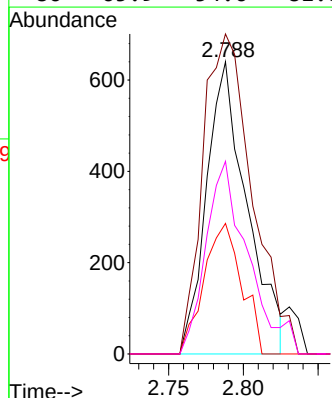
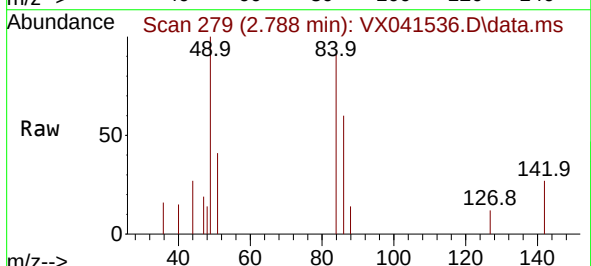
Ion Ratio Lower Upper

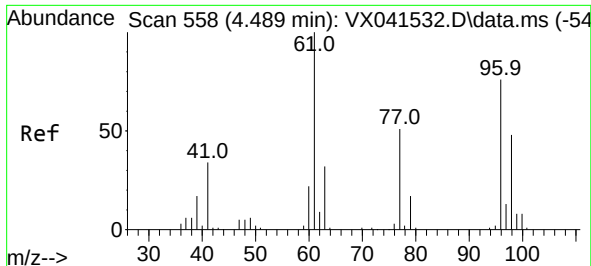
84 100

49 109.5 99.8 149.8

51 44.7 30.2 45.4

86 65.9 54.6 81.8

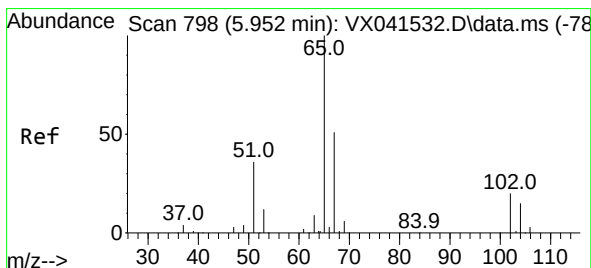
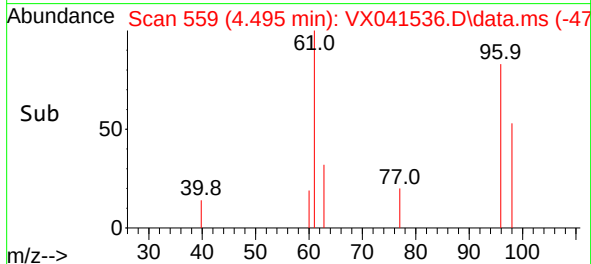
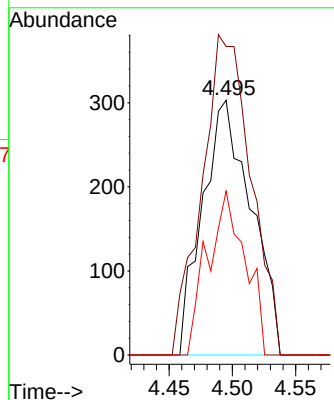
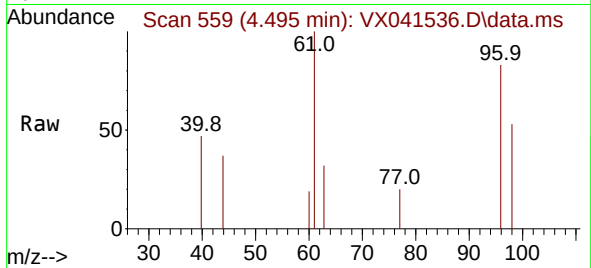




#22
 cis-1,2-Dichloroethene
 Concen: 0.401 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

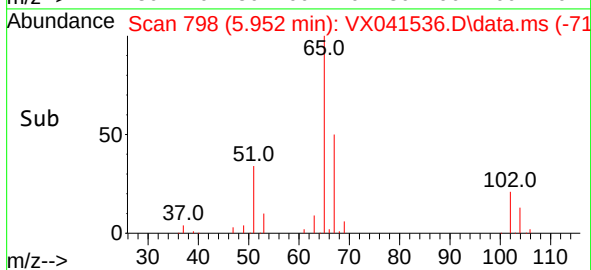
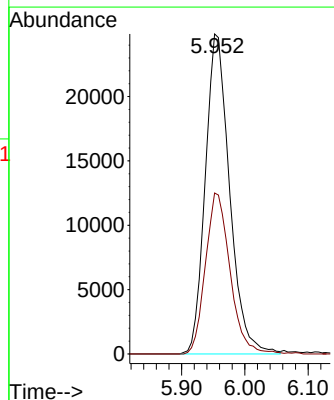
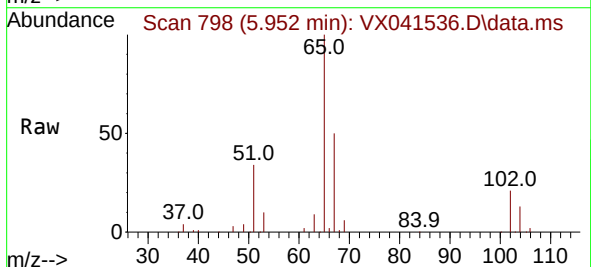
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

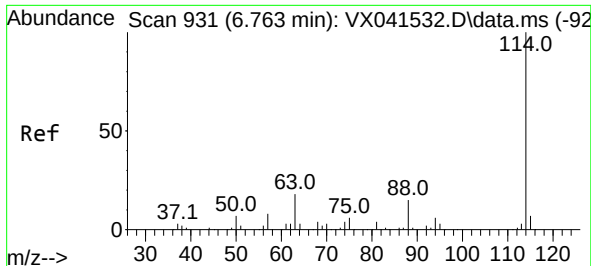
Tgt Ion: 96 Resp: 810
 Ion Ratio Lower Upper
 96 100
 61 127.0 114.2 171.4
 98 36.7 52.6 79.0#



#27
 1,2-Dichloroethane-d4
 Concen: 29.851 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

Tgt Ion: 65 Resp: 66653
 Ion Ratio Lower Upper
 65 100
 67 50.5 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

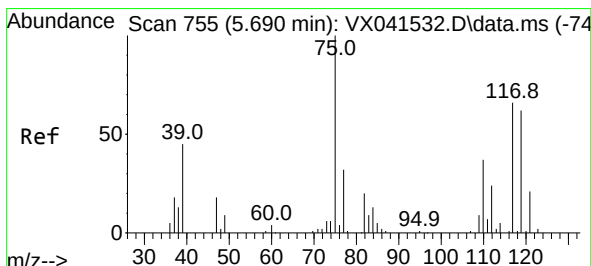
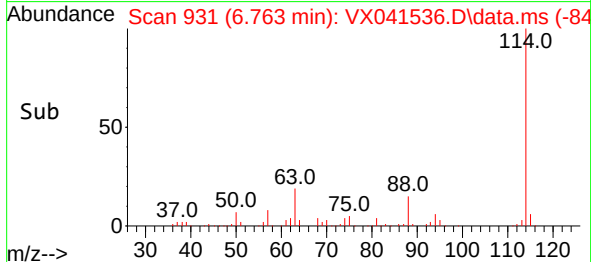
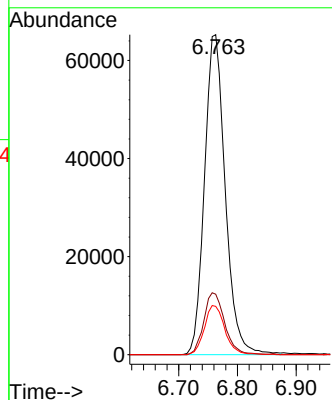
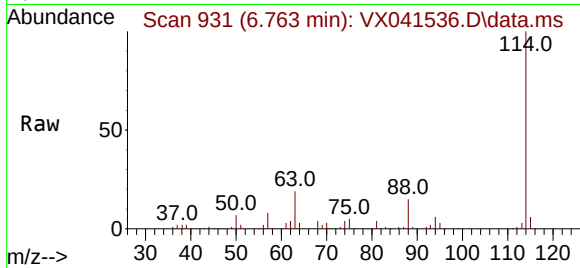
Tgt Ion:114 Resp: 160423

Ion Ratio Lower Upper

114 100

63 19.5 15.4 23.0

88 15.1 12.2 18.2



#29

1,1-Dichloropropene

Concen: 0.631 ug/l

RT: 5.696 min Scan# 756

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

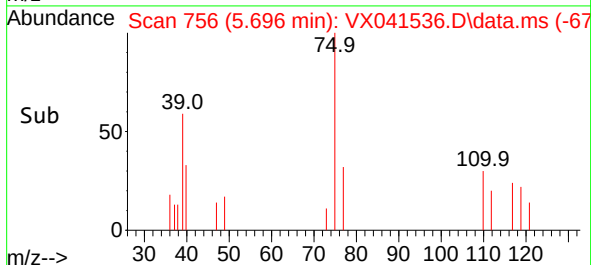
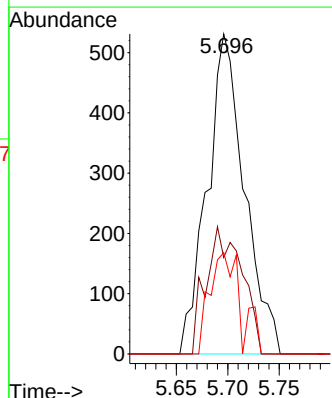
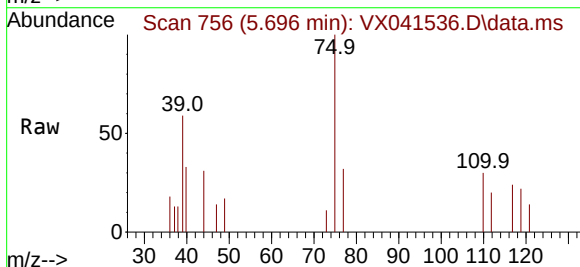
Tgt Ion: 75 Resp: 1339

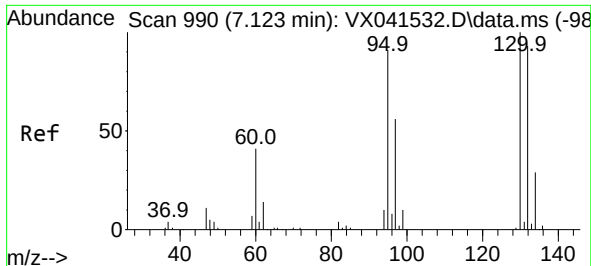
Ion Ratio Lower Upper

75 100

110 7.8 0.0 74.4

77 17.8 0.0 62.6

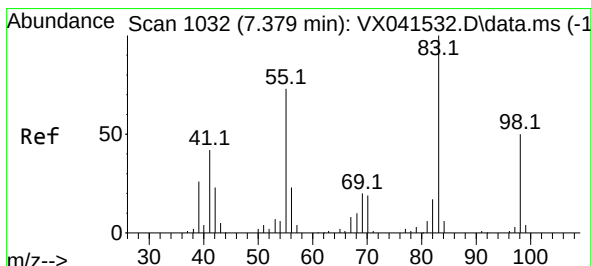
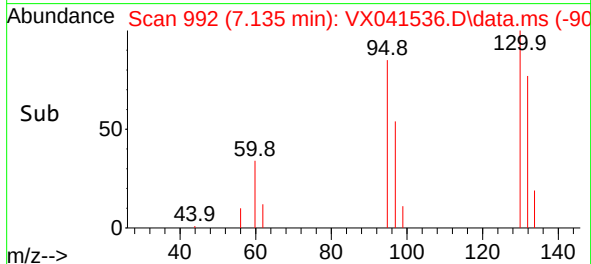
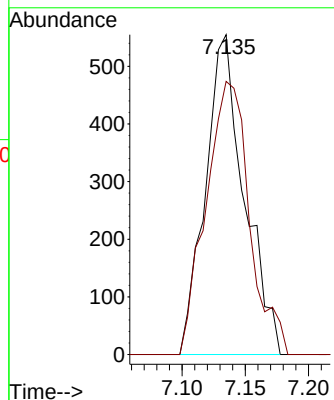
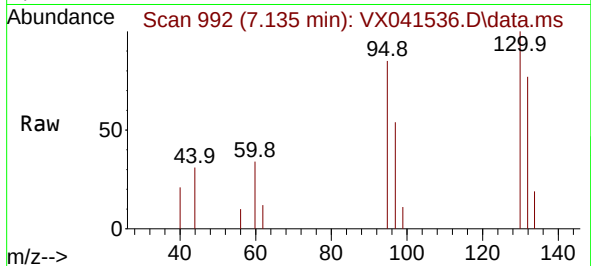




#37
Trichloroethene
Concen: 0.635 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

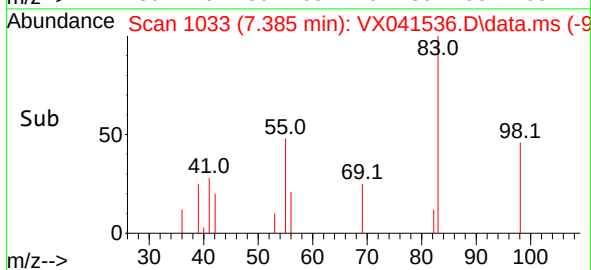
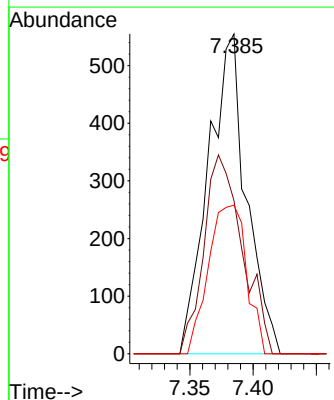
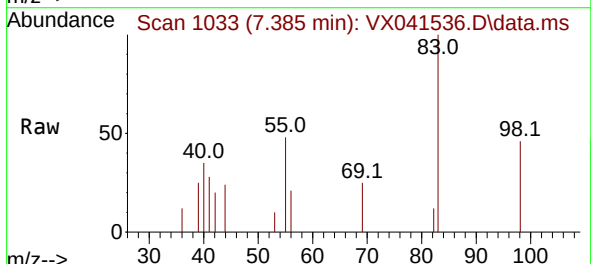
Instrument :
MSVOA_X
ClientSampleId :
IBLK

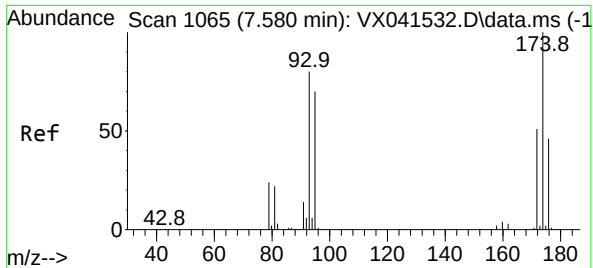
Tgt Ion:130 Resp: 1186
Ion Ratio Lower Upper
130 100
95 85.4 72.6 108.8



#38
Methylcyclohexane
Concen: 0.431 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 83 Resp: 1161
Ion Ratio Lower Upper
83 100
55 63.1 37.7 113.1
98 46.6 25.1 75.3

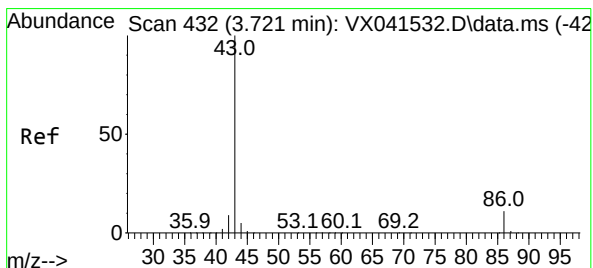
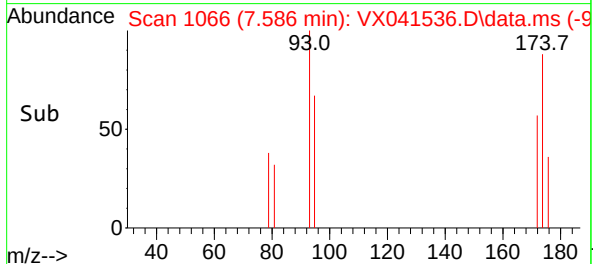
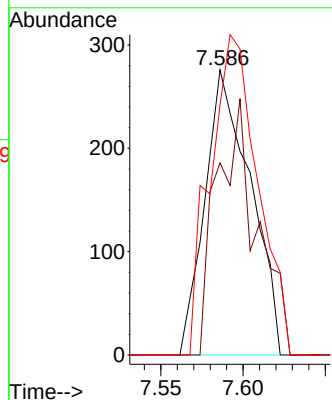
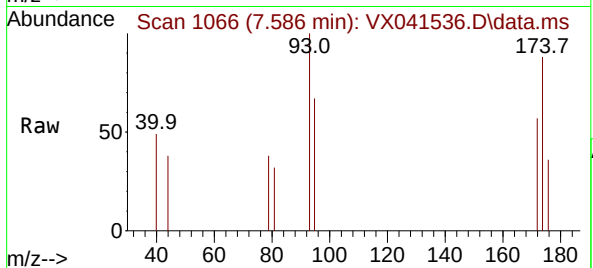




#40
Dibromomethane
Concen: 0.426 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

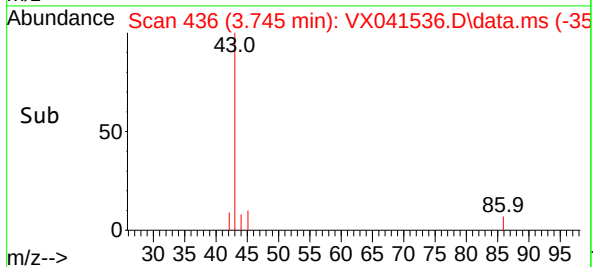
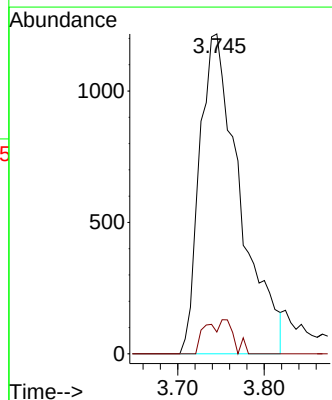
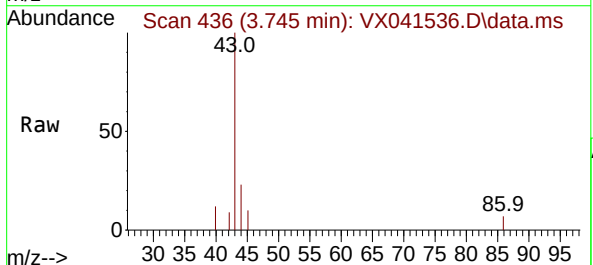
Instrument :
MSVOA_X
ClientSampleId :
IBLK

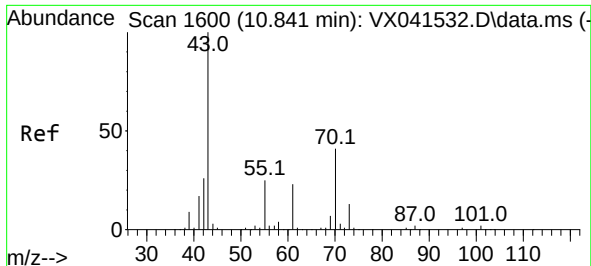
Tgt Ion: 93 Resp: 531
Ion Ratio Lower Upper
93 100
95 35.0 0.0 168.6
174 118.1 0.0 249.8



#42
Vinyl Acetate
Concen: 0.804 ug/l
RT: 3.745 min Scan# 436
Delta R.T. 0.024 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 43 Resp: 3931
Ion Ratio Lower Upper
43 100
86 3.2 7.8 11.6#





#47

n-amyl Acetate

Concen: 0.204 ug/l

RT: 10.866 min Scan# 1604

Delta R.T. 0.024 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

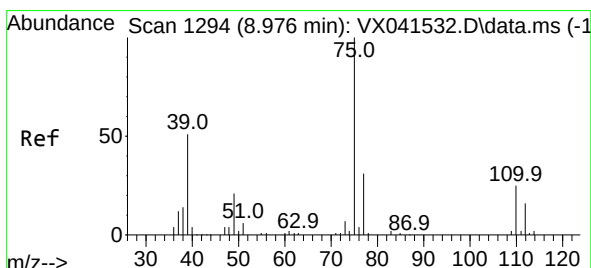
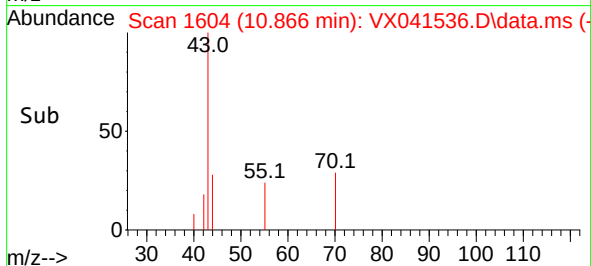
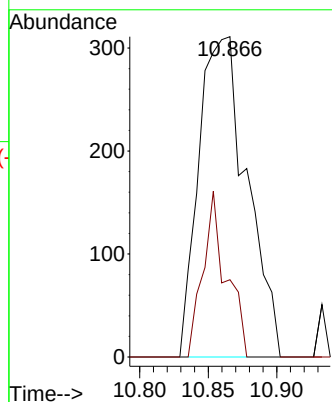
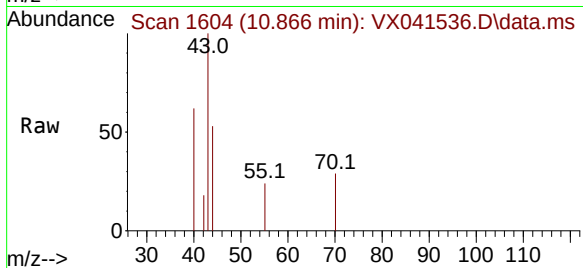
IBLK

Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

55 18.3 19.4 29.0#



#48

t-1,3-Dichloropropene

Concen: 0.334 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.018 min

Lab File: VX041536.D

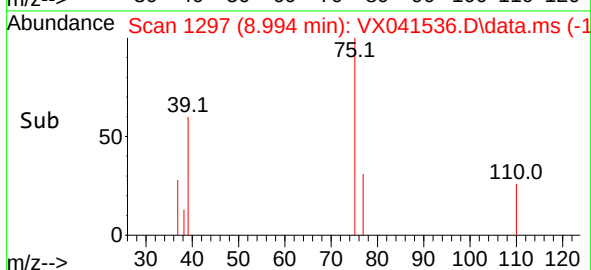
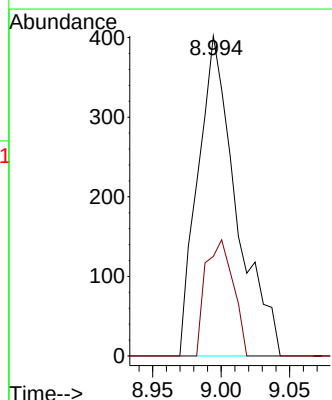
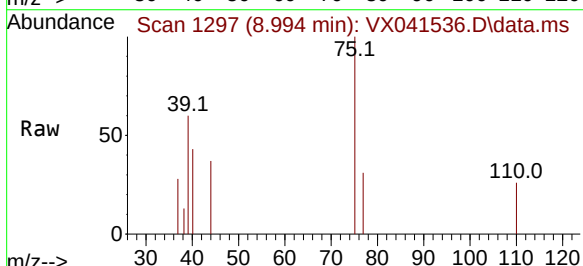
Acq: 15 May 2024 13:29

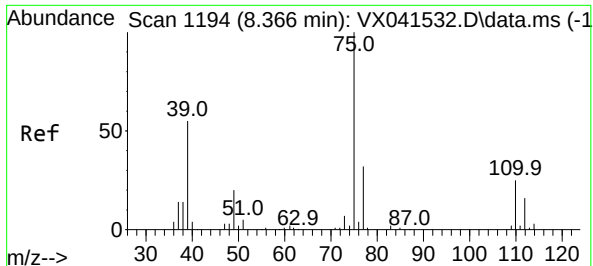
Tgt Ion: 75 Resp: 784

Ion Ratio Lower Upper

75 100

77 31.1 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 0.270 ug/l

RT: 8.379 min Scan# 1196

Delta R.T. 0.012 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

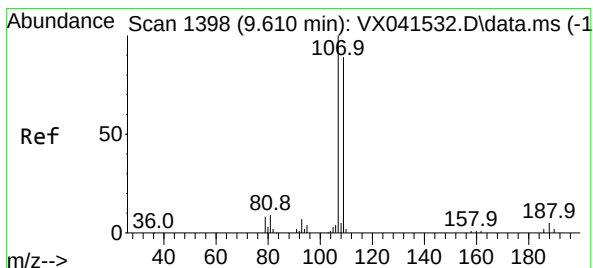
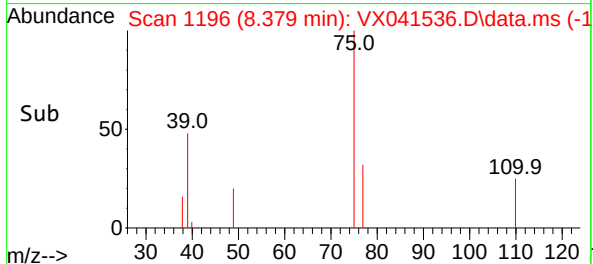
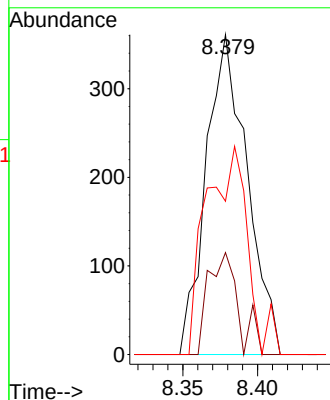
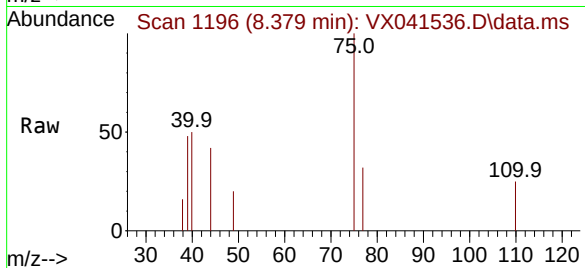
Tgt Ion: 75 Resp: 688

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 47.9 43.6 65.4



#54

1,2-Dibromoethane

Concen: 0.272 ug/l

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX041536.D

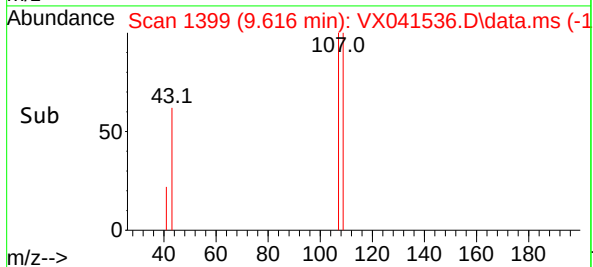
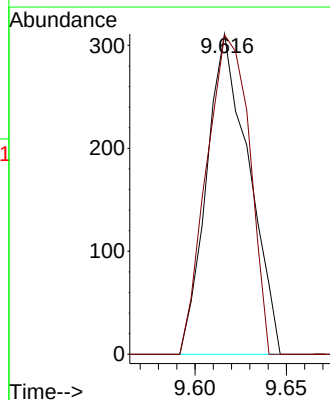
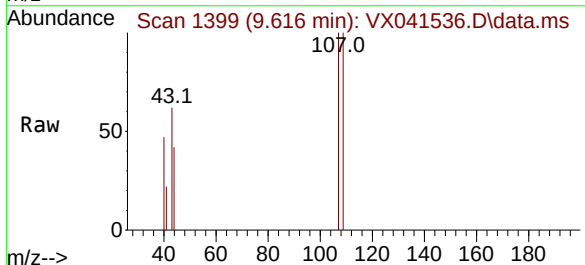
Acq: 15 May 2024 13:29

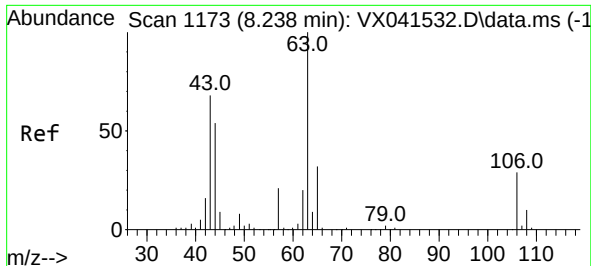
Tgt Ion: 107 Resp: 500

Ion Ratio Lower Upper

107 100

109 101.4 75.3 112.9





#55

2-Chloroethyl vinyl ether

Concen: 1.457 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.018 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

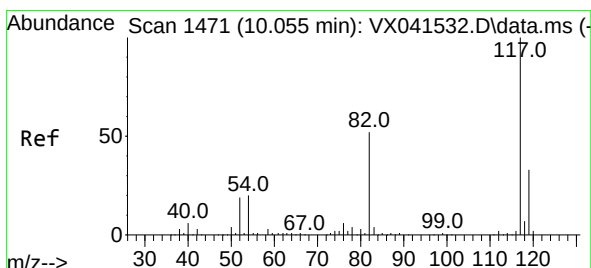
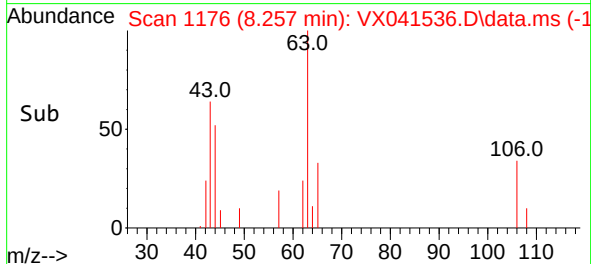
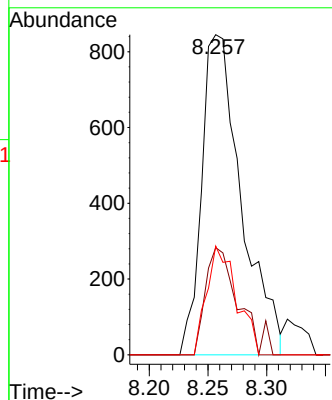
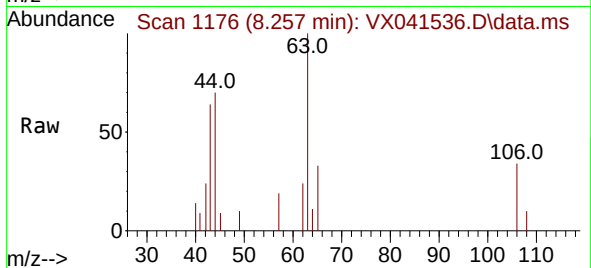
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 63	Resp: 1986
Ion Ratio	Lower Upper
63 100	
65 22.1	25.5 38.3#
106 21.8	24.7 37.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

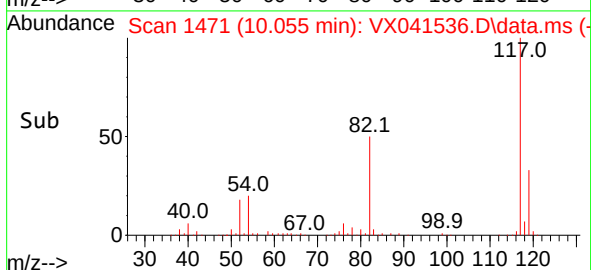
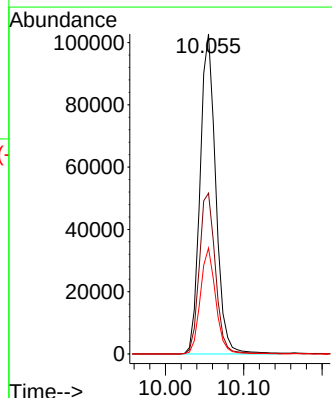
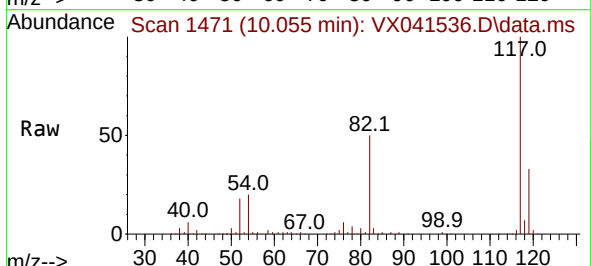
RT: 10.055 min Scan# 1471

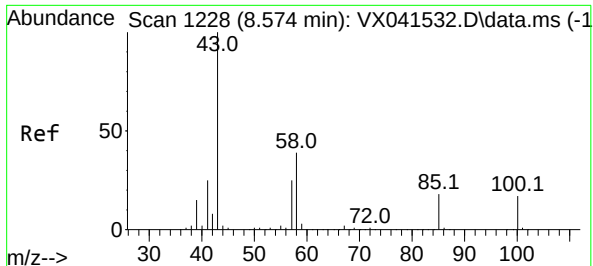
Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Tgt Ion: 117	Resp: 143449
Ion Ratio	Lower Upper
117 100	
82 51.6	41.7 62.5
119 32.2	25.7 38.5





#58

4-Methyl-2-Pentanone

Concen: 0.933 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

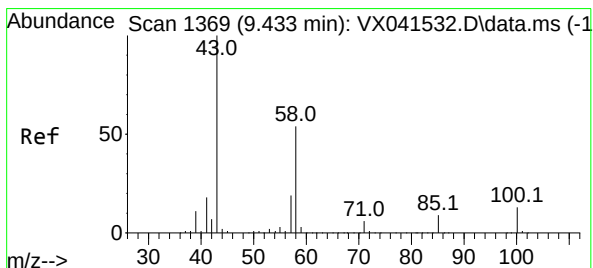
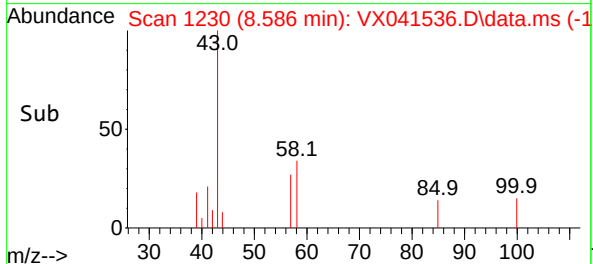
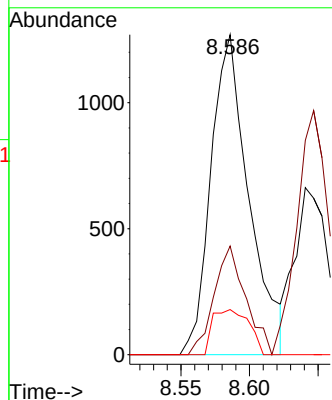
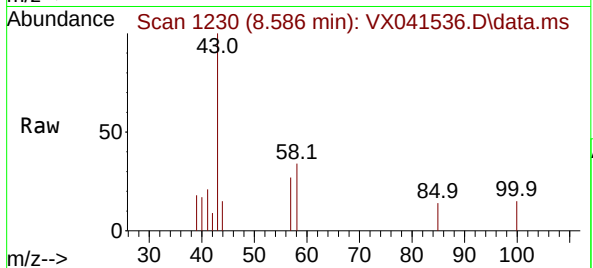
Tgt Ion: 43 Resp: 2446

Ion Ratio Lower Upper

43 100

58 28.2 30.2 45.4#

85 13.5 14.6 21.8#



#59

2-Hexanone

Concen: 0.903 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.012 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

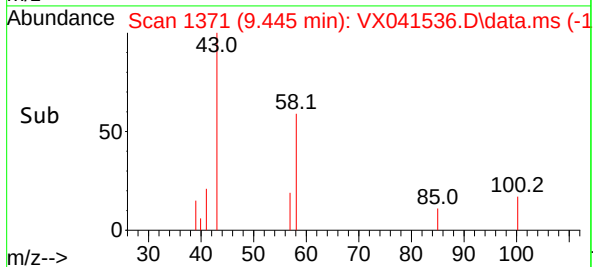
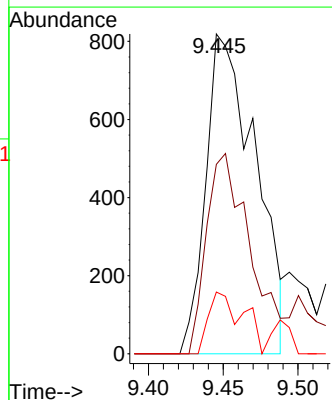
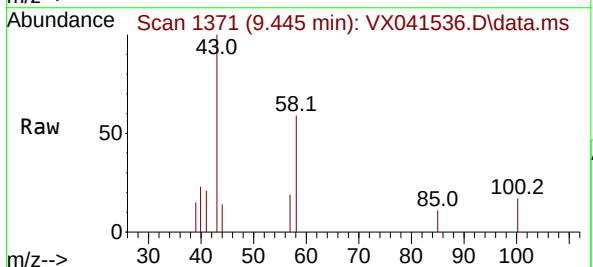
Tgt Ion: 43 Resp: 1885

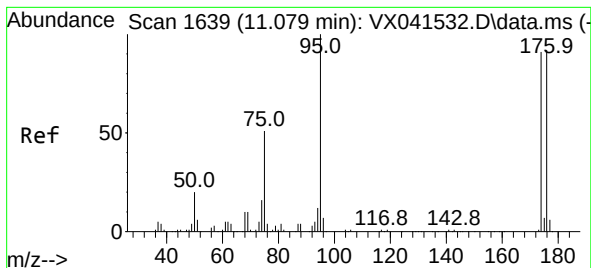
Ion Ratio Lower Upper

43 100

58 55.1 42.3 63.5

57 9.1 15.1 22.7#

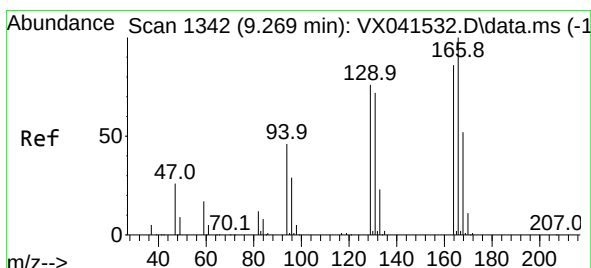
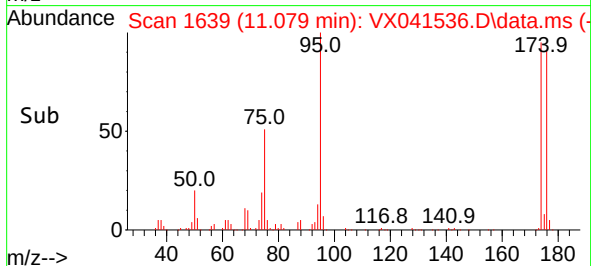
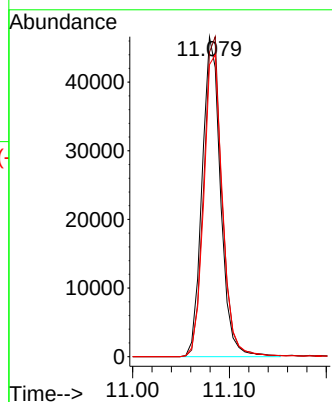
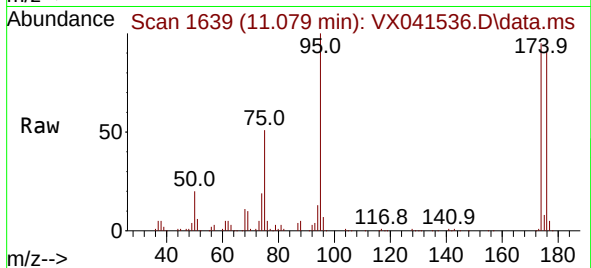




#60
4-Bromofluorobenzene
Concen: 27.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

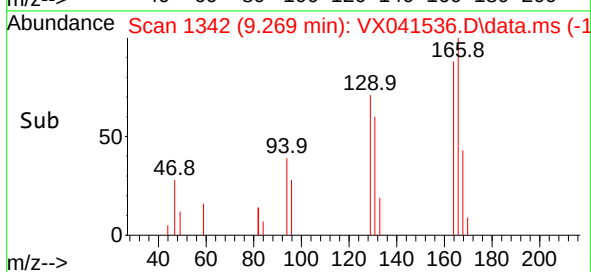
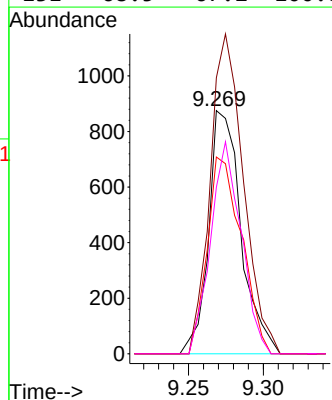
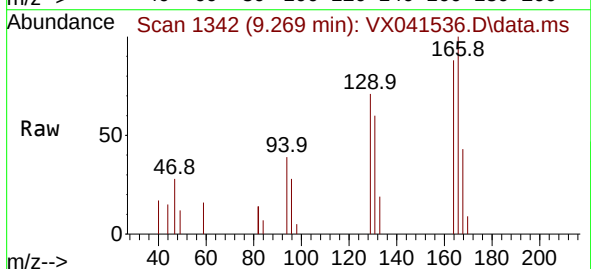
Instrument :
MSVOA_X
ClientSampleId :
IBLK

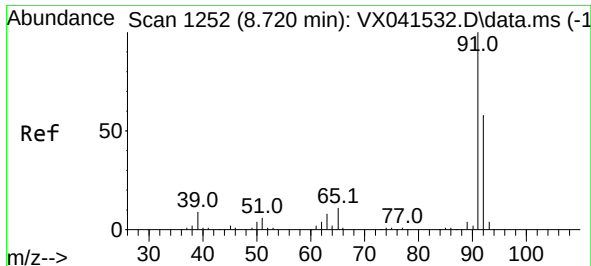
Tgt Ion: 95 Resp: 62014
Ion Ratio Lower Upper
95 100
174 99.0 76.6 115.0
176 95.8 75.4 113.0



#61
Tetrachloroethene
Concen: 0.748 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 164 Resp: 1313
Ion Ratio Lower Upper
164 100
166 113.5 92.8 139.2
129 80.9 70.1 105.1
131 68.5 67.2 100.8





#62

Toluene

Concen: 0.371 ug/l

RT: 8.726 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

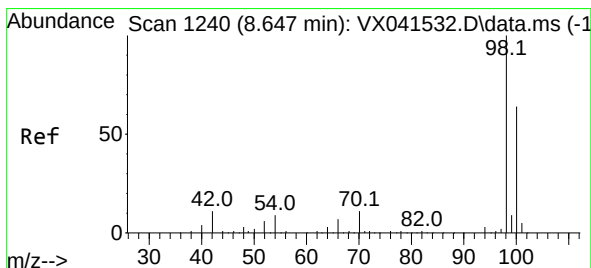
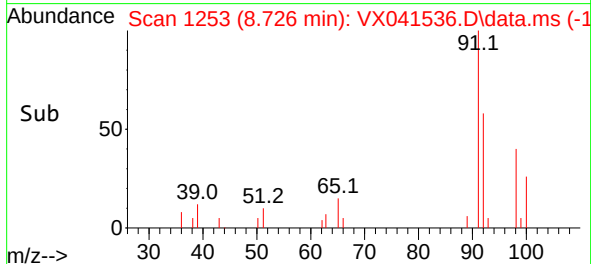
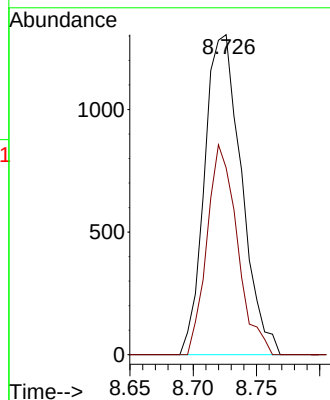
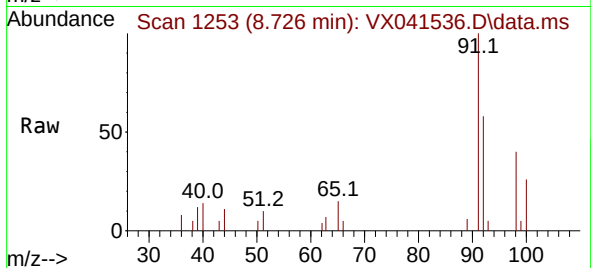
IBLK

Tgt Ion: 91 Resp: 2647

Ion Ratio Lower Upper

91 100

92 53.9 47.0 70.6



#63

Toluene-d8

Concen: 30.047 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041536.D

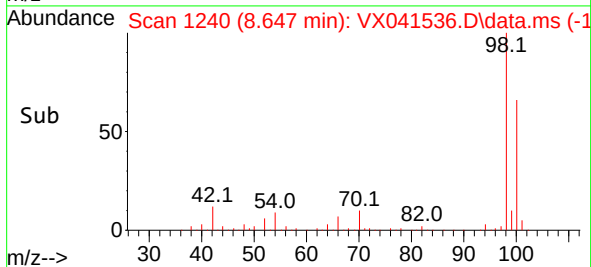
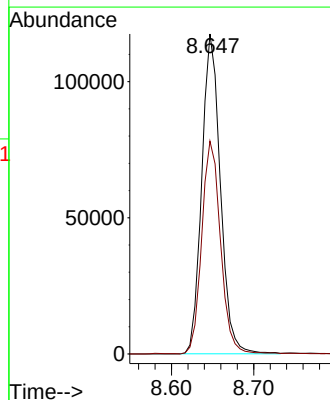
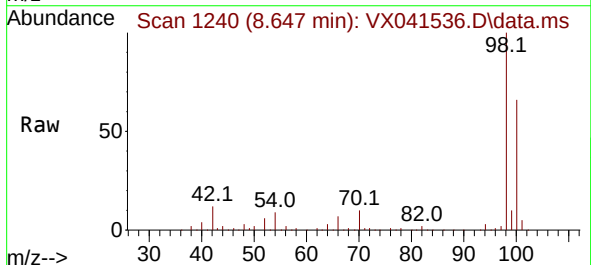
Acq: 15 May 2024 13:29

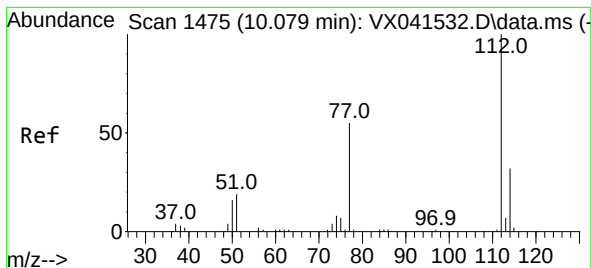
Tgt Ion: 98 Resp: 184760

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7

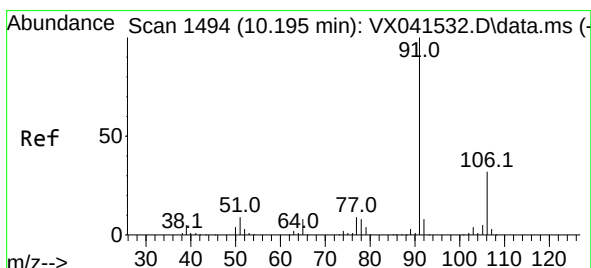
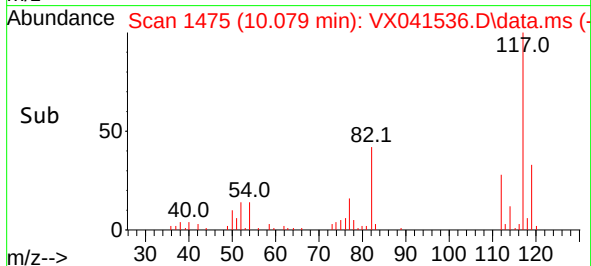
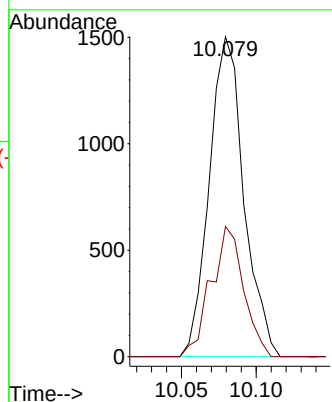
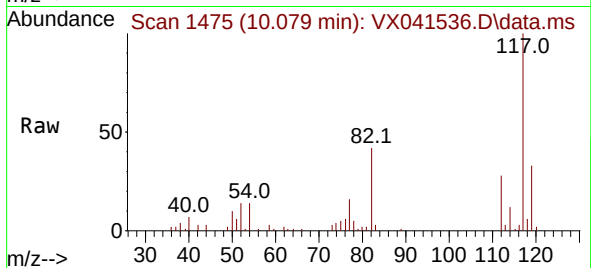




#64
Chlorobenzene
Concen: 0.499 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

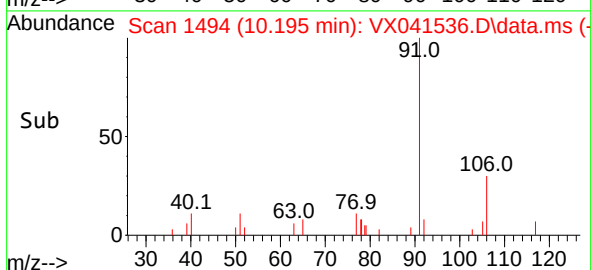
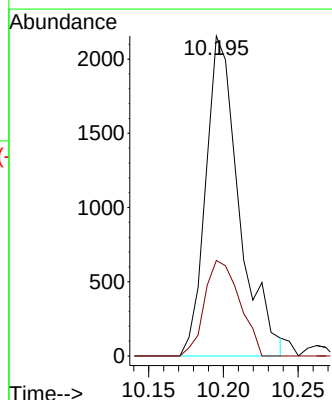
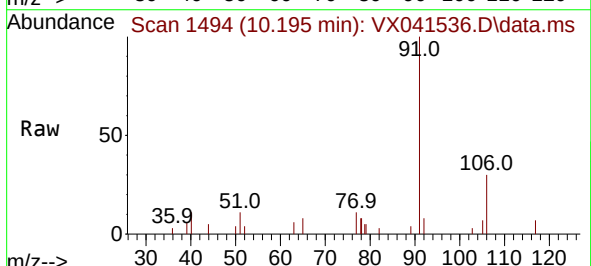
Instrument :
MSVOA_X
ClientSampleId :
IBLK

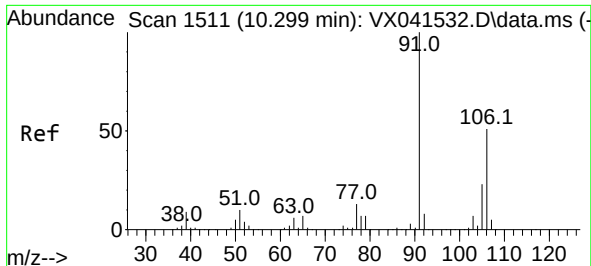
Tgt Ion:112 Resp: 2420
Ion Ratio Lower Upper
112 100
114 40.7 26.0 39.0#



#66
Ethyl Benzene
Concen: 0.423 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 91 Resp: 3351
Ion Ratio Lower Upper
91 100
106 29.8 25.9 38.9





#67

m/p-Xylenes

Concen: 0.924 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

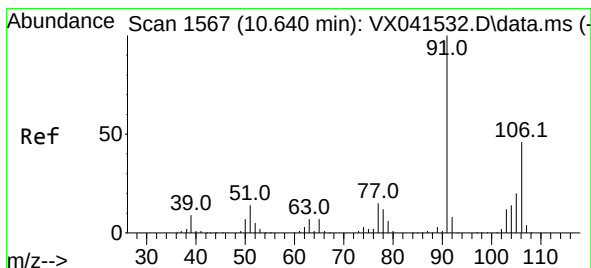
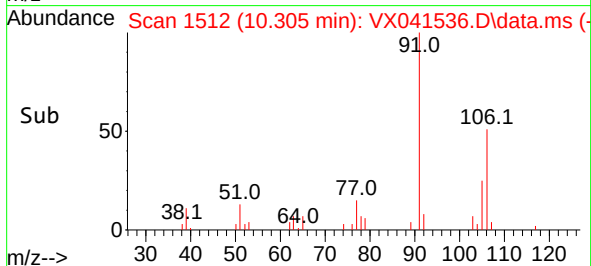
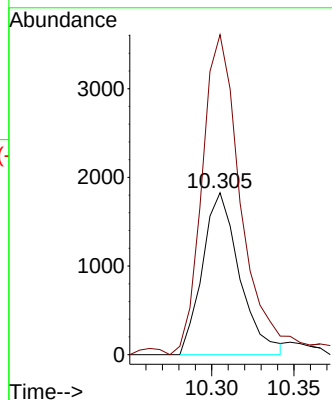
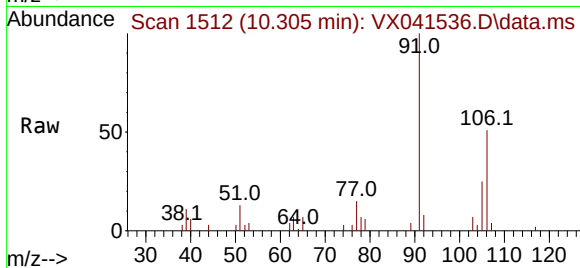
IBLK

Tgt Ion:106 Resp: 2864

Ion Ratio Lower Upper

106 100

91 208.6 156.5 234.7



#68

o-Xylene

Concen: 0.368 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX041536.D

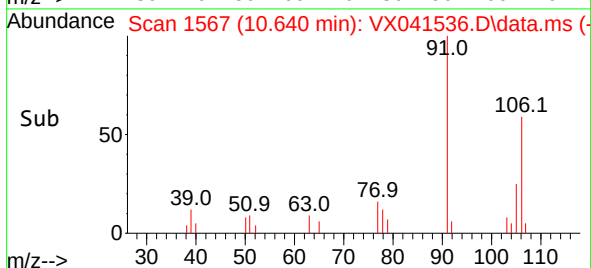
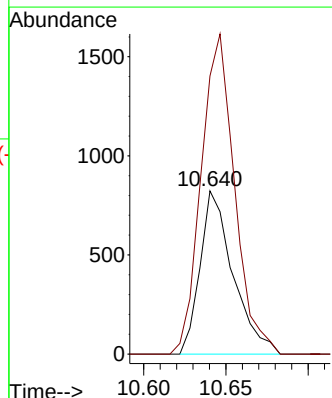
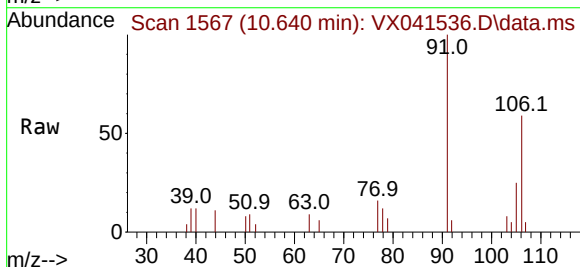
Acq: 15 May 2024 13:29

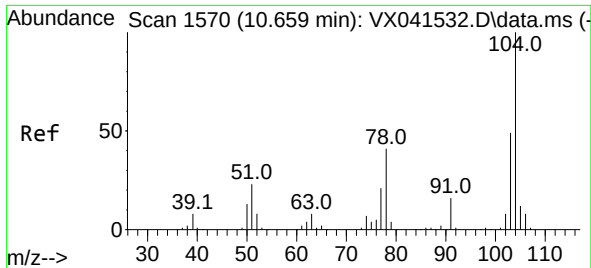
Tgt Ion:106 Resp: 1148

Ion Ratio Lower Upper

106 100

91 198.8 105.2 315.6

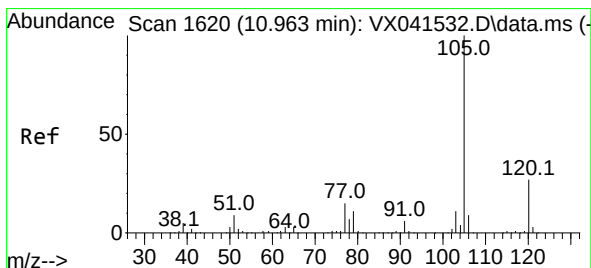
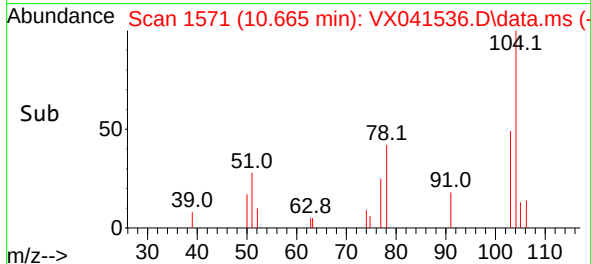
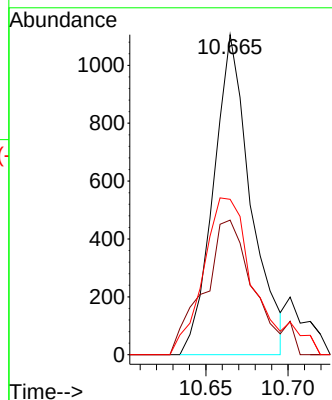
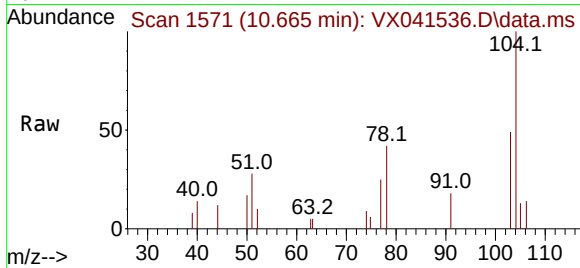




#69
Styrene
Concen: 0.334 ug/l
RT: 10.665 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

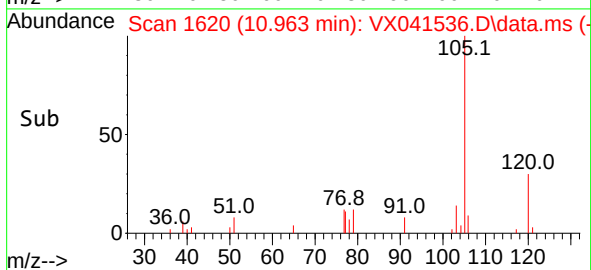
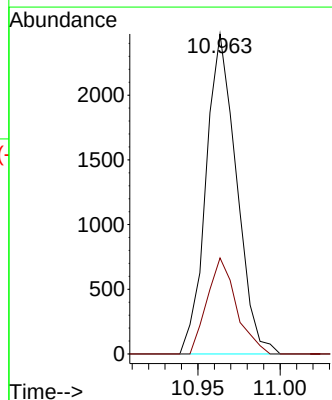
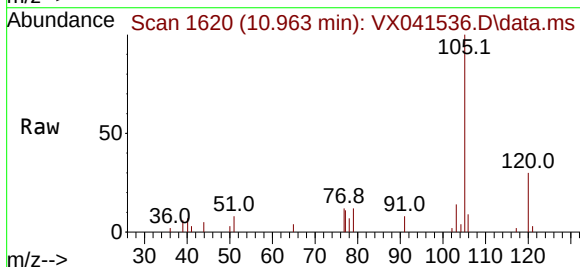
Instrument :
MSVOA_X
ClientSampleId :
IBLK

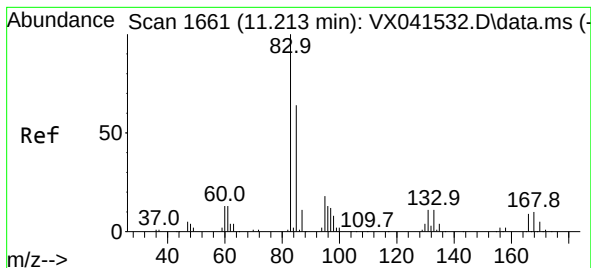
Tgt Ion:104 Resp: 1748
Ion Ratio Lower Upper
104 100
78 54.4 39.3 58.9
103 63.0 43.2 64.8



#70
Isopropylbenzene
Concen: 0.404 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion:105 Resp: 3183
Ion Ratio Lower Upper
105 100
120 28.7 18.8 34.8

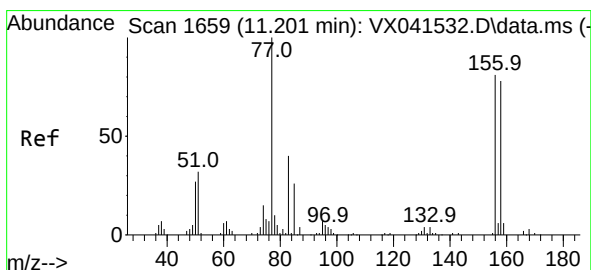
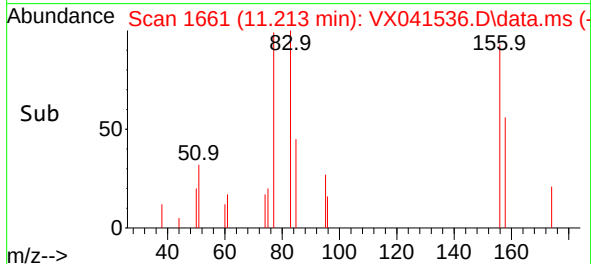
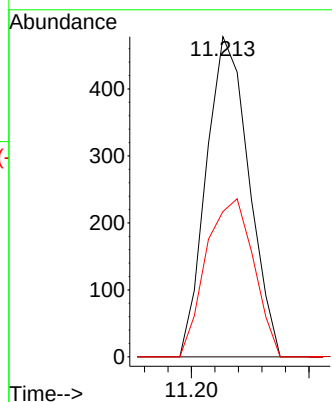
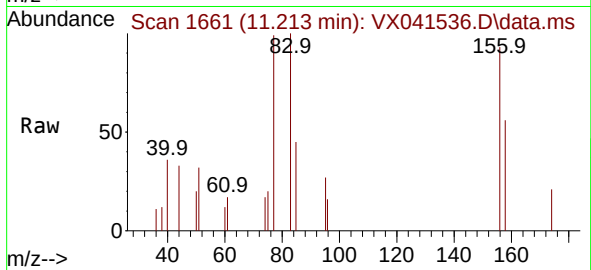




#71
1,1,2,2-Tetrachloroethane
Concen: 0.222 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

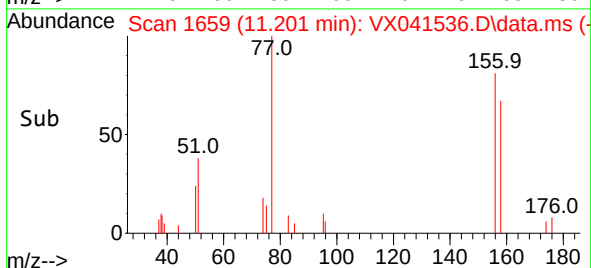
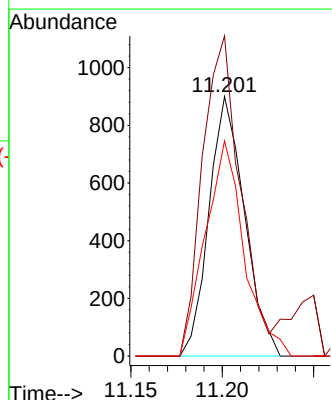
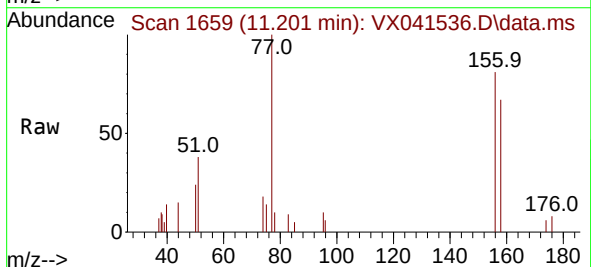
Instrument :
MSVOA_X
ClientSampleId :
IBLK

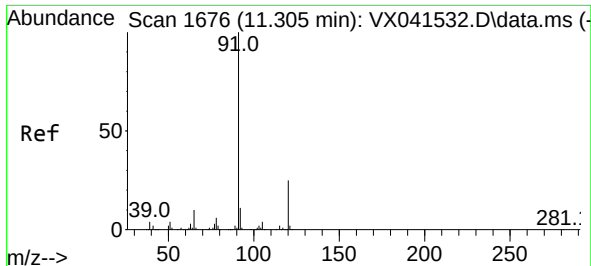
Tgt Ion: 83 Resp: 602
Ion Ratio Lower Upper
83 100
131 13.1 5.7 17.0
85 55.1 32.3 96.8



#73
Bromobenzene
Concen: 0.526 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 156 Resp: 1218
Ion Ratio Lower Upper
156 100
77 131.4 0.0 267.4
158 90.5 0.0 192.8

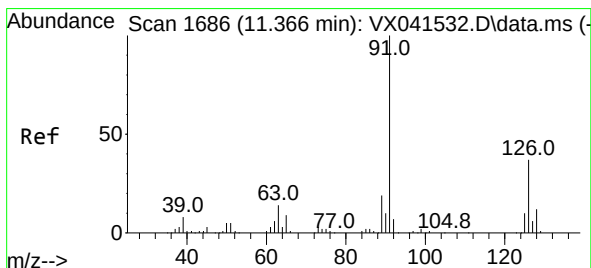
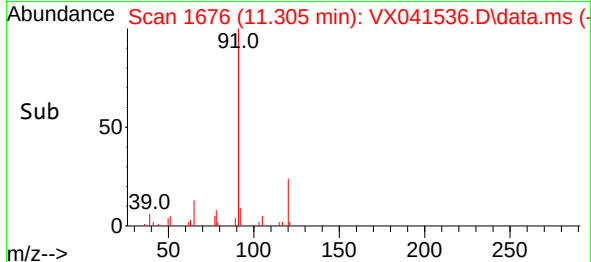
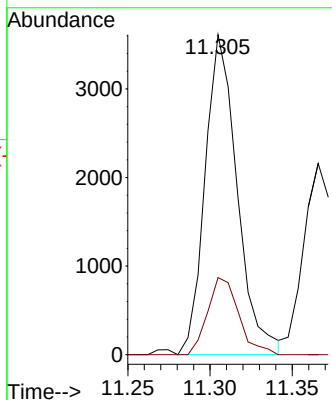
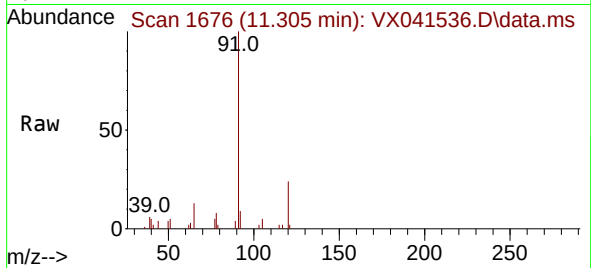




#74
n-propylbenzene
Concen: 0.553 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

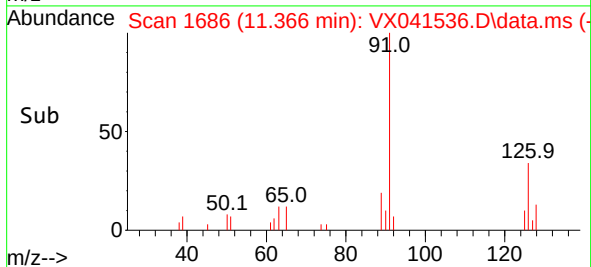
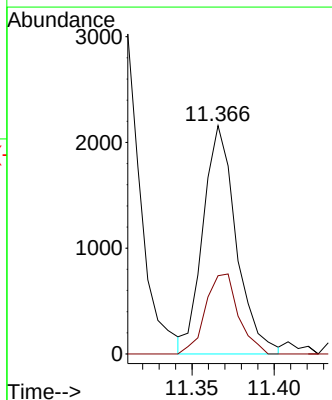
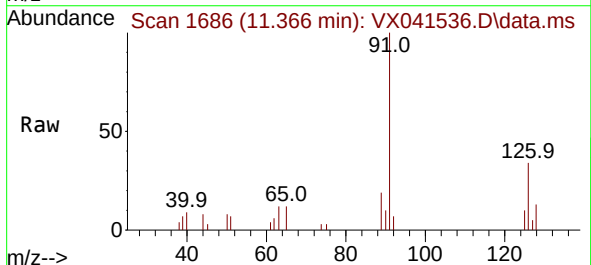
Instrument :
MSVOA_X
ClientSampleId :
IBLK

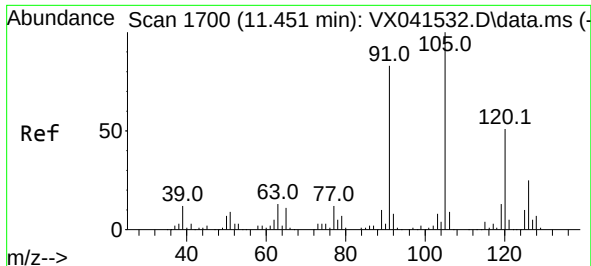
Tgt Ion: 91 Resp: 4913
Ion Ratio Lower Upper
91 100
120 23.3 0.0 48.4



#75
2-Chlorotoluene
Concen: 0.542 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 91 Resp: 3028
Ion Ratio Lower Upper
91 100
126 34.8 0.0 71.6

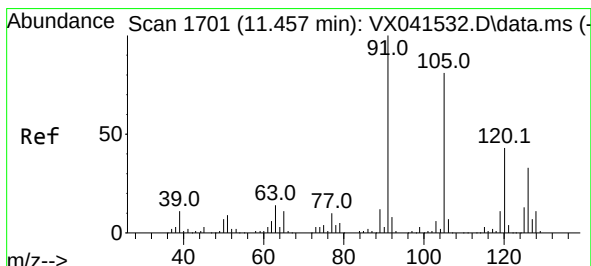
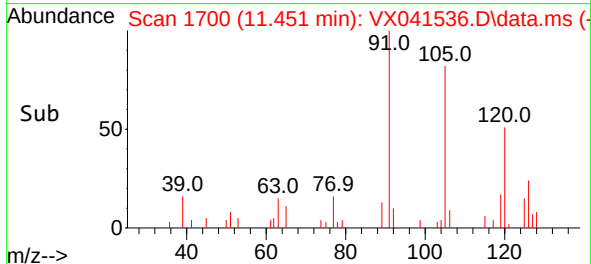
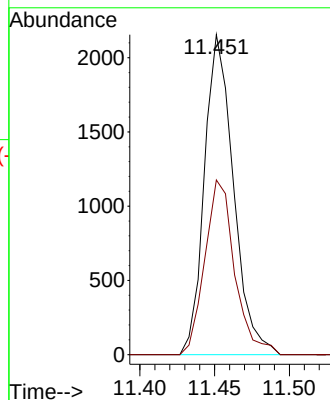
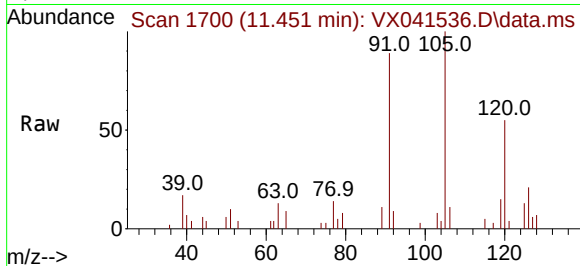




#76
1,3,5-Trimethylbenzene
Concen: 0.433 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

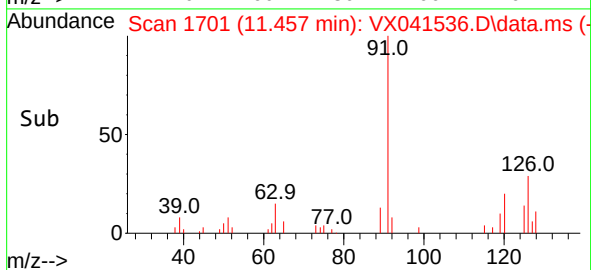
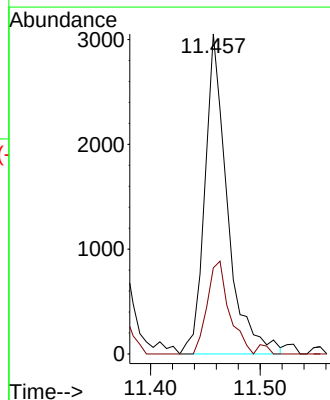
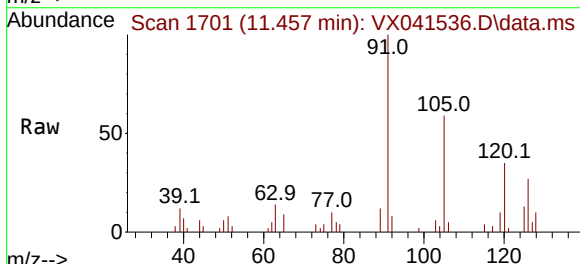
Instrument :
MSVOA_X
ClientSampleId :
IBLK

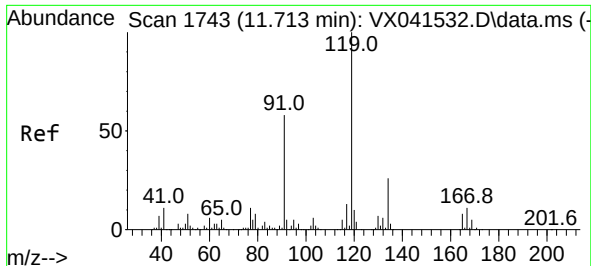
Tgt Ion:105 Resp: 2916
Ion Ratio Lower Upper
105 100
120 56.0 0.0 102.6



#78
4-Chlorotoluene
Concen: 0.686 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 91 Resp: 4361
Ion Ratio Lower Upper
91 100
126 28.1 0.0 62.2

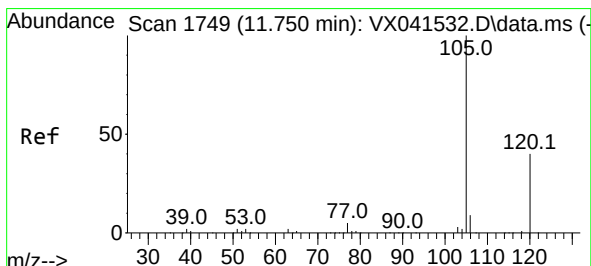
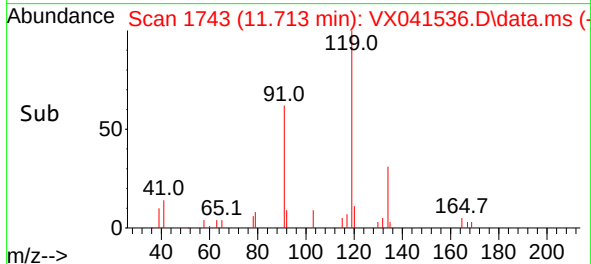
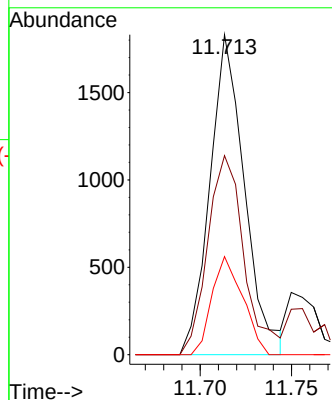
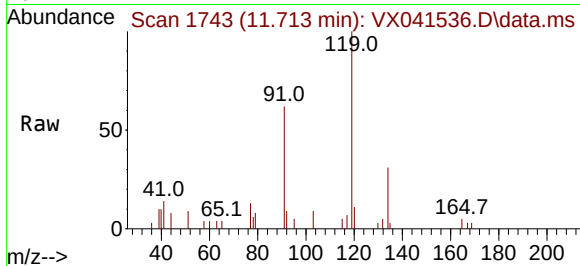




#79
tert-butylbenzene
Concen: 0.337 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

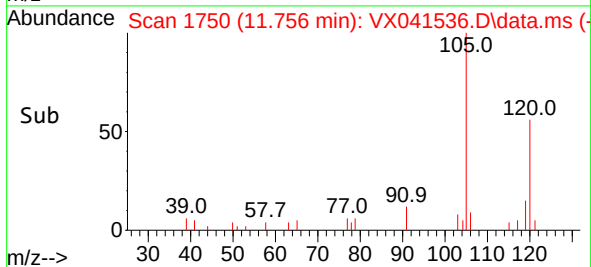
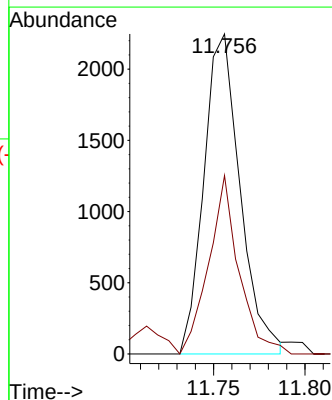
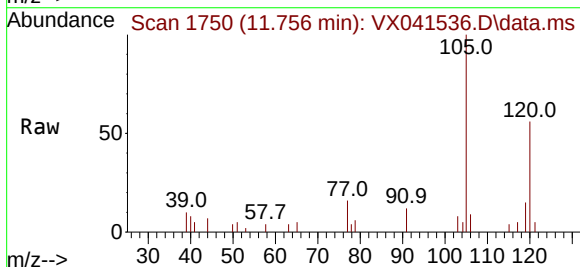
Instrument :
MSVOA_X
ClientSampleId :
IBLK

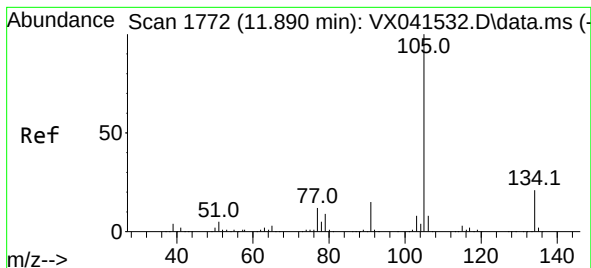
Tgt Ion:	119	Resp:	2413
Ion	Ratio	Lower	Upper
119	100		
91	65.6	0.0	110.0
134	27.5	0.0	50.0



#80
1,2,4-Trimethylbenzene
Concen: 0.460 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion:	105	Resp:	3102
Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	92.2





#81

sec-Butylbenzene

Concen: 0.455 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

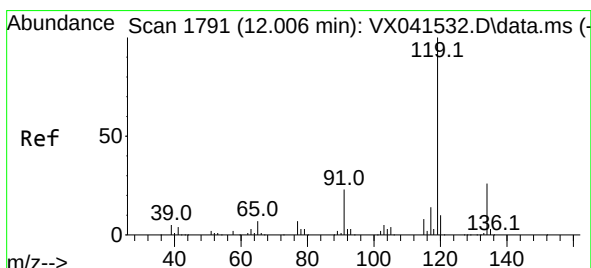
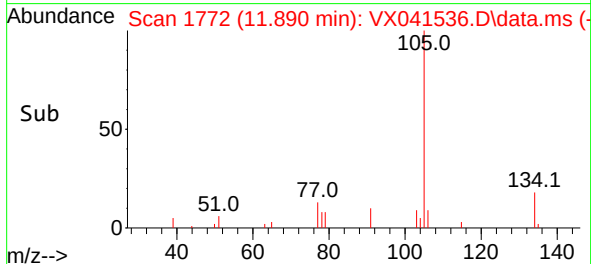
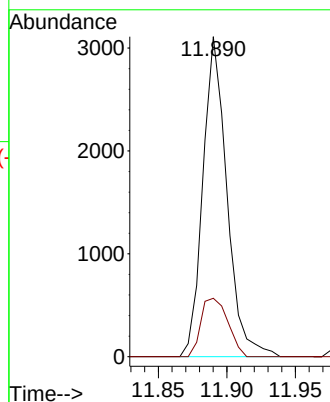
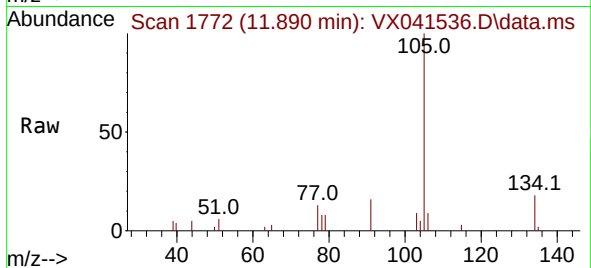
IBLK

Tgt Ion:105 Resp: 3810

Ion Ratio Lower Upper

105 100

134 20.4 0.0 43.4



#82

p-Isopropyltoluene

Concen: 0.496 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

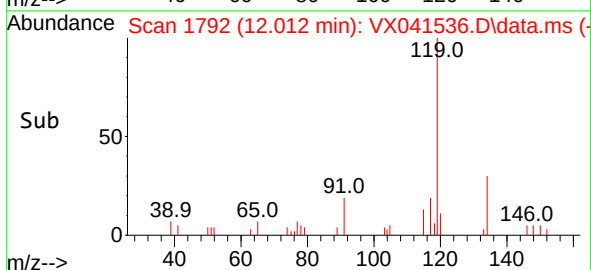
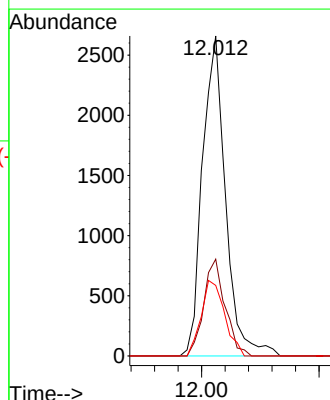
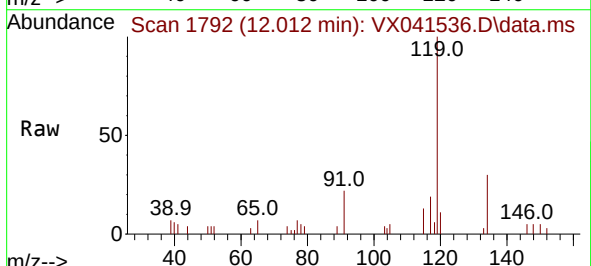
Tgt Ion:119 Resp: 3632

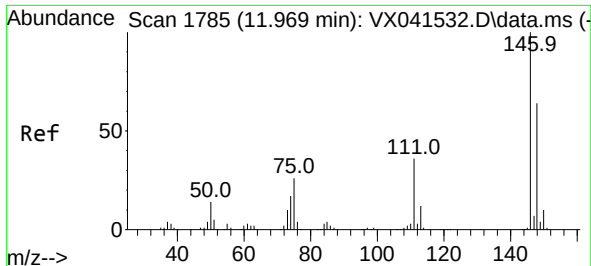
Ion Ratio Lower Upper

119 100

134 28.0 0.0 53.4

91 23.8 0.0 44.8

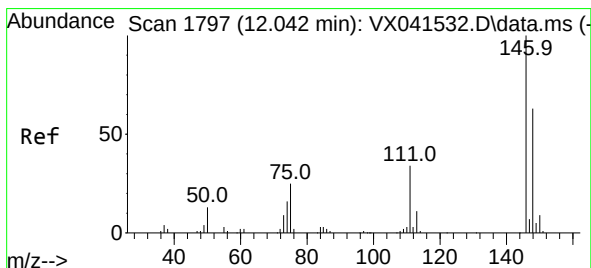
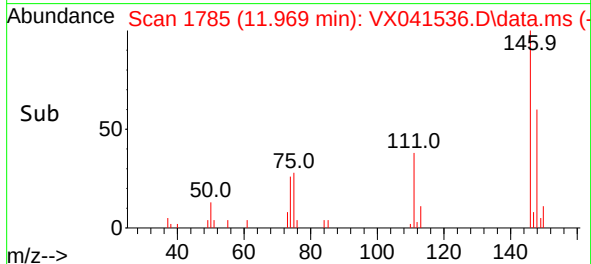
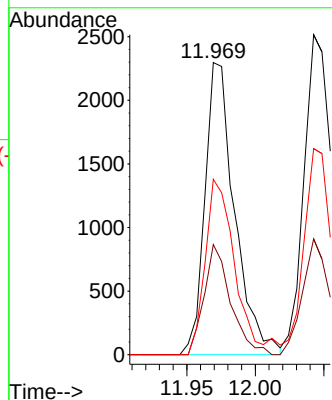
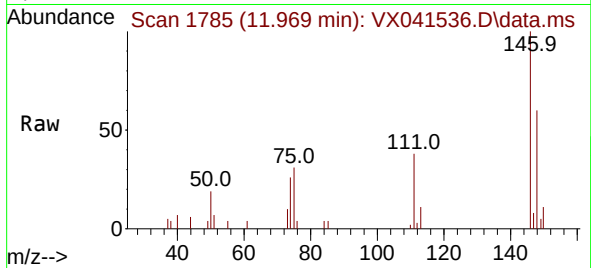




#83
1,3-Dichlorobenzene
Concen: 0.835 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

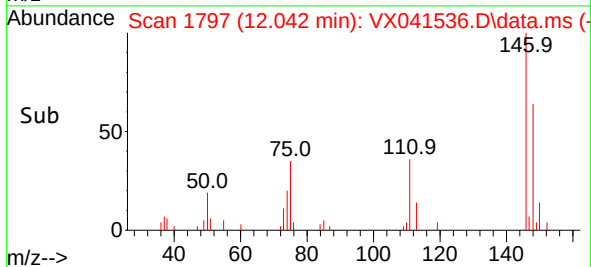
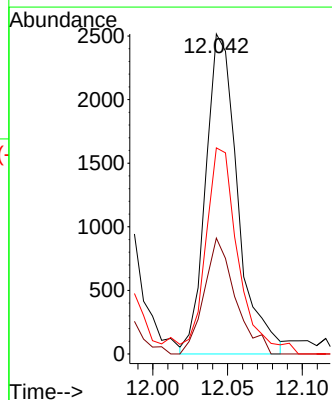
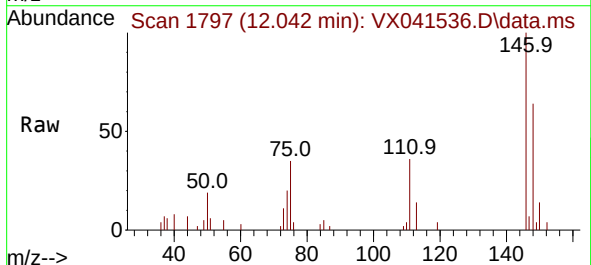
Instrument :
MSVOA_X
ClientSampleId :
IBLK

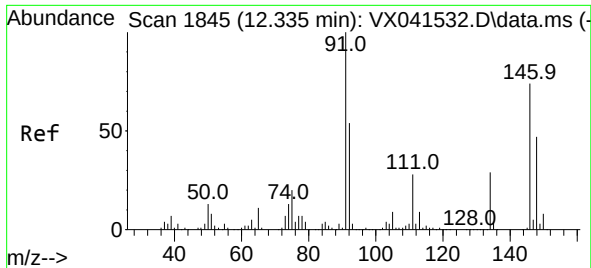
Tgt Ion:146 Resp: 3467
Ion Ratio Lower Upper
146 100
111 33.6 18.4 55.2
148 58.2 32.3 96.9



#84
1,4-Dichlorobenzene
Concen: 0.895 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion:146 Resp: 3758
Ion Ratio Lower Upper
146 100
111 35.2 17.8 53.5
148 64.2 31.9 95.5

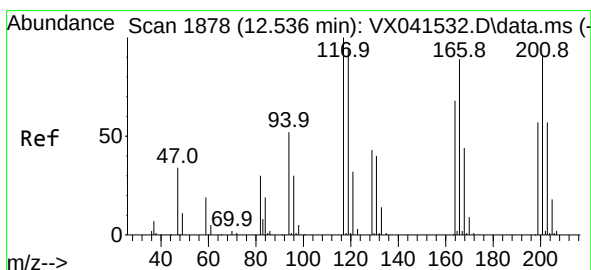
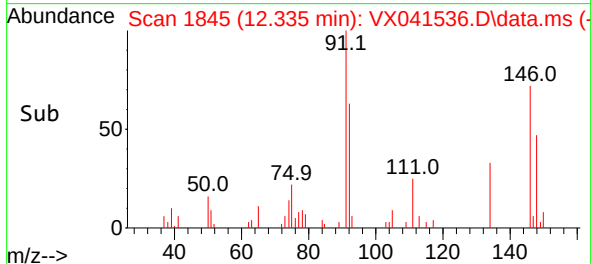
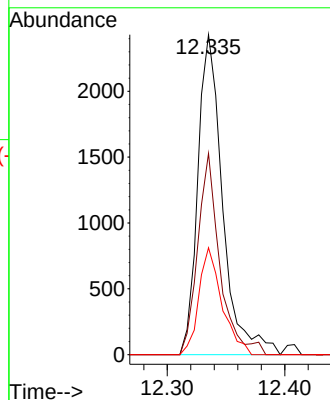
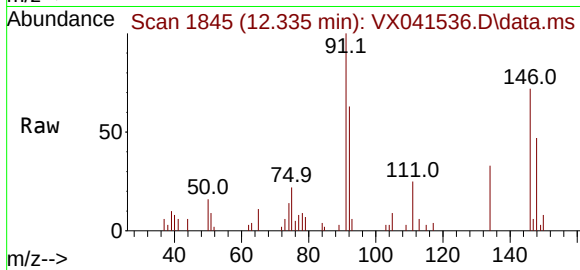




#85
n-Butylbenzene
Concen: 0.605 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

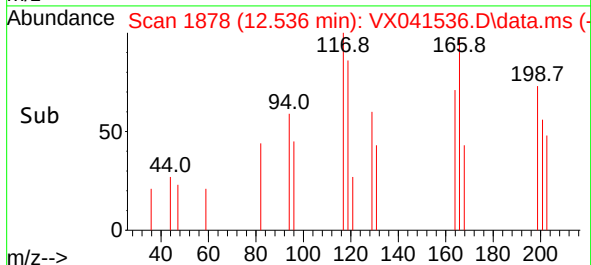
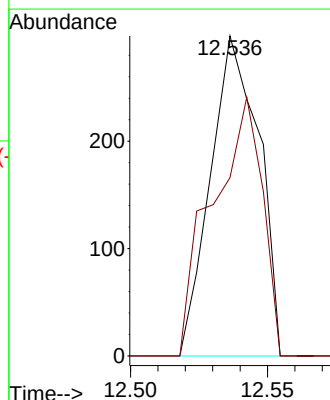
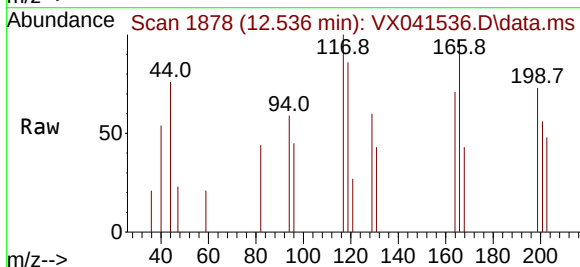
Instrument :
MSVOA_X
ClientSampleId :
IBLK

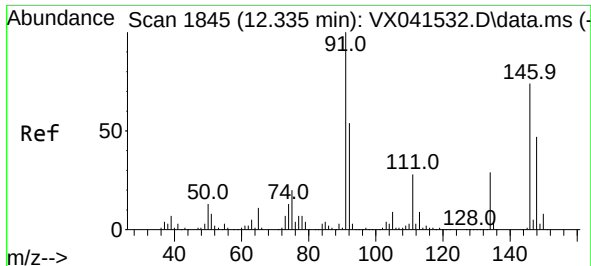
Tgt Ion: 91 Resp: 3569
Ion Ratio Lower Upper
91 100
92 54.4 0.0 108.4
134 31.2 0.0 56.6



#86
Hexachloroethane
Concen: 0.296 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Tgt Ion: 117 Resp: 365
Ion Ratio Lower Upper
117 100
201 83.8 47.3 141.8

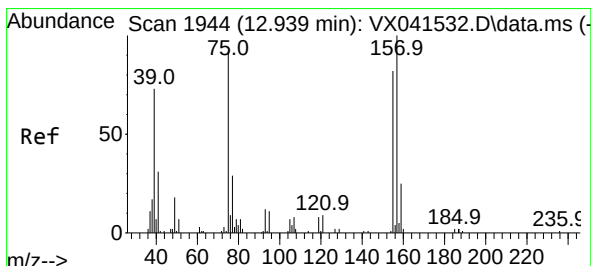
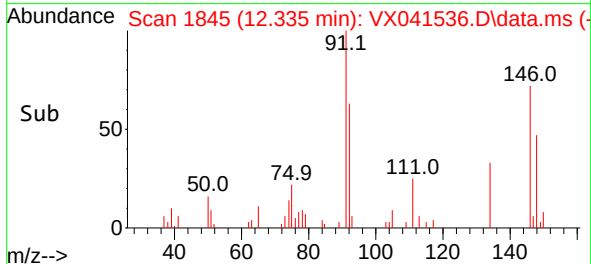
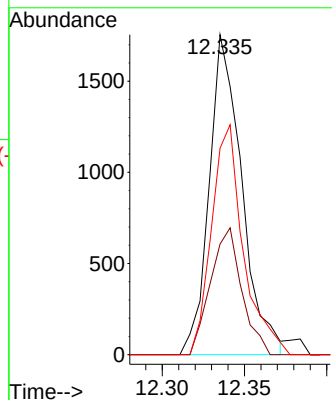
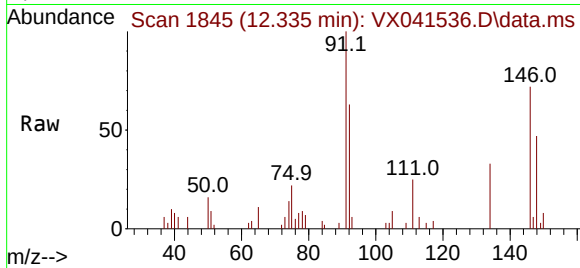




#87
 1,2-Dichlorobenzene
 Concen: 0.570 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

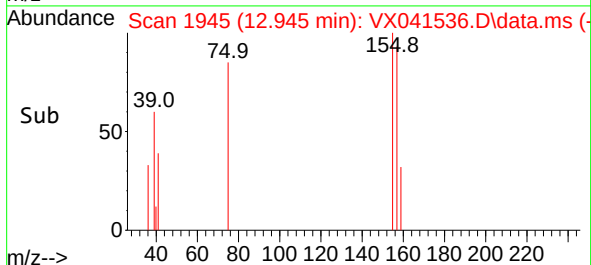
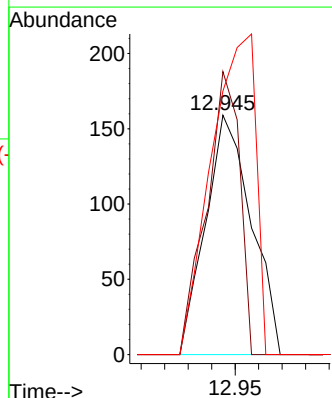
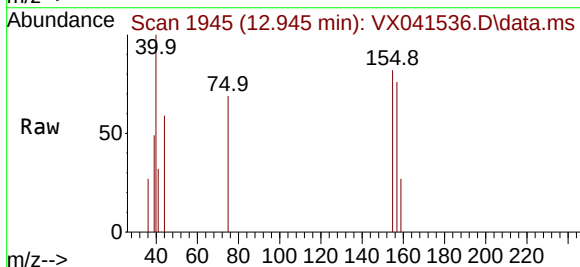
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

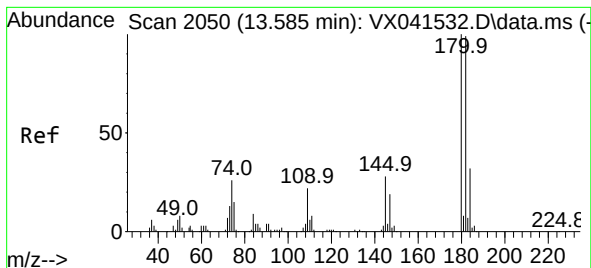
Tgt Ion:146 Resp: 2417
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.3 57.9
 148 70.0 31.8 95.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.361 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. 0.006 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

Tgt Ion: 75 Resp: 215
 Ion Ratio Lower Upper
 75 100
 155 86.0 80.4 120.6
 157 130.2 102.2 153.2





#89

1,2,4-Trichlorobenzene

Concen: 1.343 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

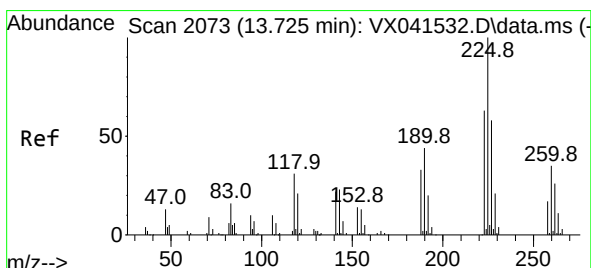
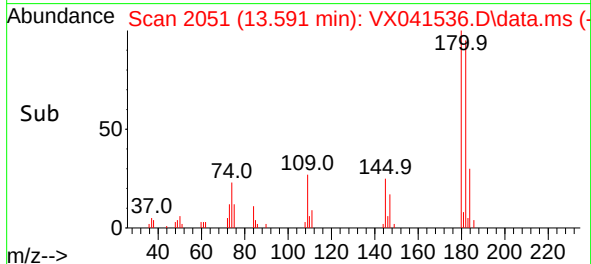
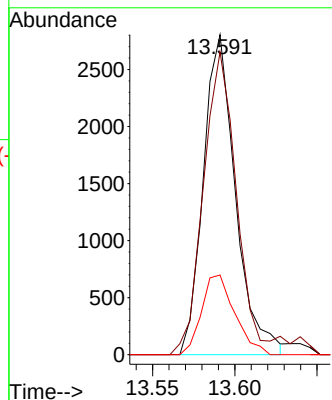
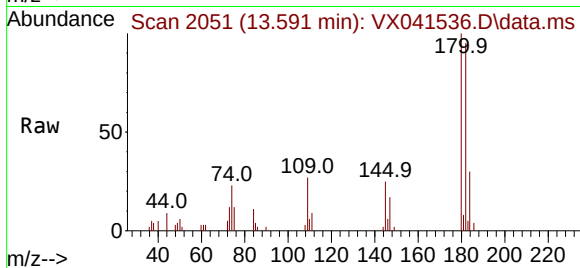
Tgt Ion:180 Resp: 3825

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.4

145 25.7 22.7 34.1



#90

Hexachlorobutadiene

Concen: 0.814 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

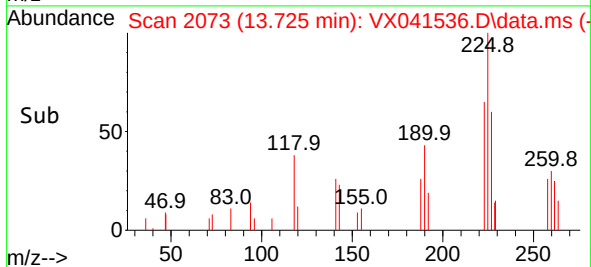
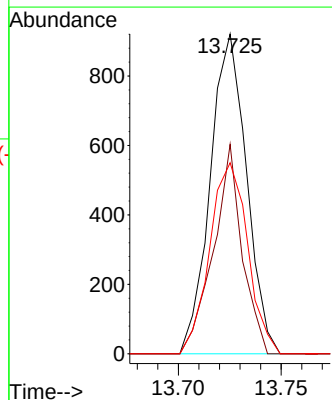
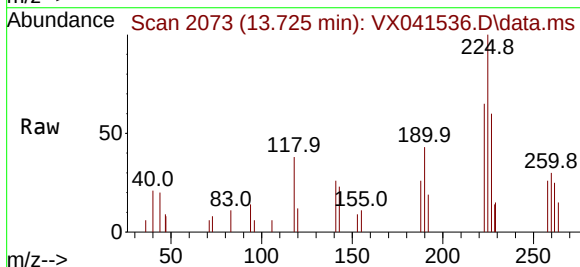
Tgt Ion:225 Resp: 1131

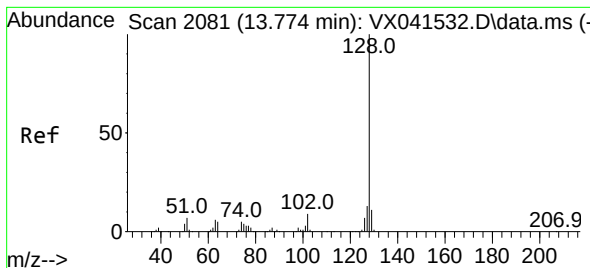
Ion Ratio Lower Upper

225 100

223 51.8 0.0 125.8

227 62.5 0.0 125.6





#91

Naphthalene

Concen: 1.610 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

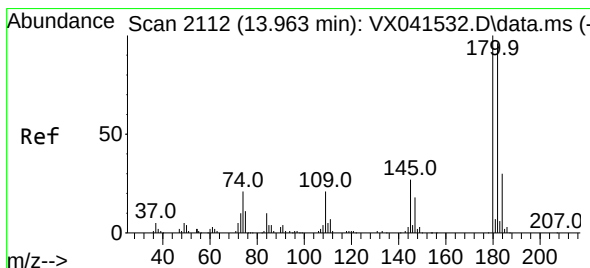
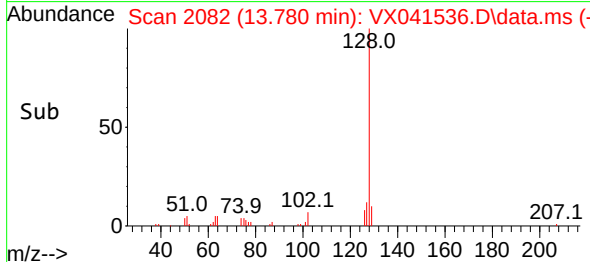
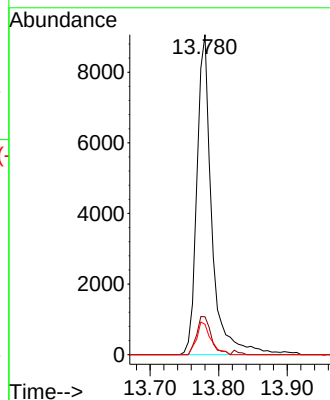
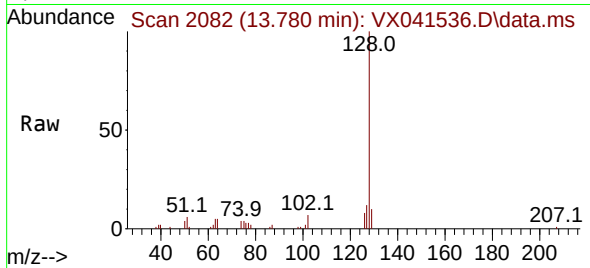
Tgt Ion:128 Resp: 13711

Ion Ratio Lower Upper

128 100

127 11.4 10.6 16.0

129 9.7 8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 1.476 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Tgt Ion:180 Resp: 4297

Ion Ratio Lower Upper

180 100

182 95.1 0.0 191.0

145 31.1 0.0 58.6

