

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
19) trans-1,2-Dichloroethene	3.081	96	965	0.580	ug/l #	71
22) cis-1,2-Dichloroethene	4.495	96	810	0.401	ug/l #	80
23) tert-Butyl Alcohol	3.014	59	522	1.281	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	1339	0.631	ug/l	62
30) 2-Butanone	4.599	43	652	0.463	ug/l #	82
36) 1,2-Dichloroethane	6.098	62	617	0.247	ug/l #	75
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
45) 1,4-Dioxane	7.671	88	52	1.122	ug/l #	29
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

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

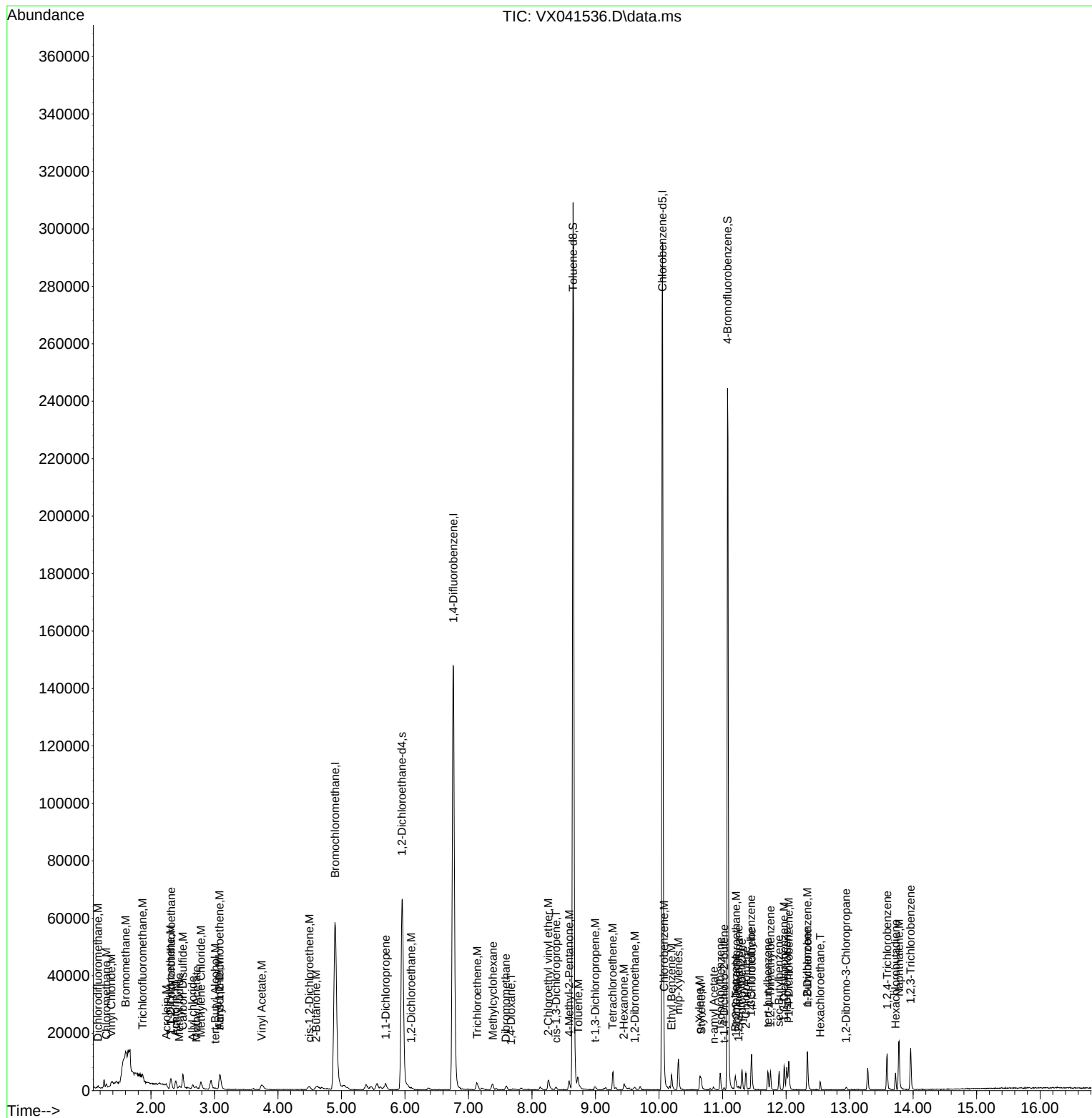
69) Styrene	10.665	104	1748	0.334	ug/l	90
70) Isopropylbenzene	10.963	105	3183	0.404	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.213	83	602	0.222	ug/l	89
72) 1,2,3-Trichloropropane	11.250	75	726	0.297	ug/l	89
73) Bromobenzene	11.201	156	1218	0.526	ug/l	96
74) n-propylbenzene	11.305	91	4913	0.553	ug/l	98
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
77) t-1,4-Dichloro-2-butene	11.024	75	154	0.201	ug/l #	75
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

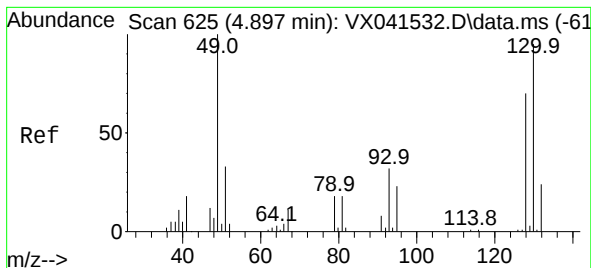
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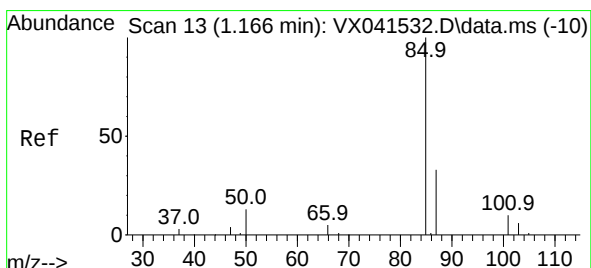
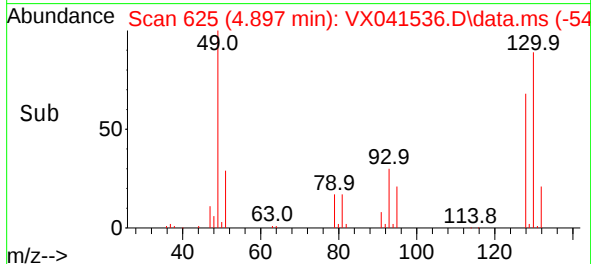
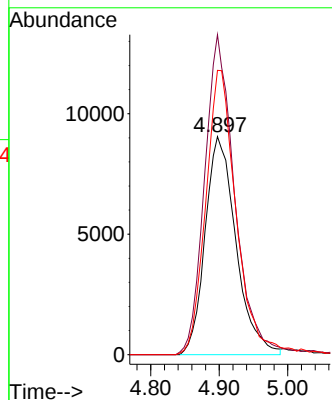
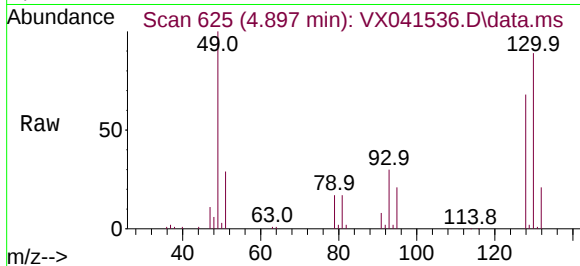




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.897 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

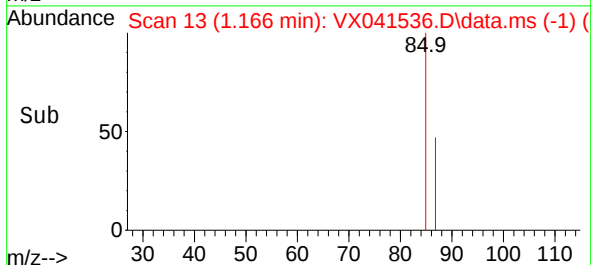
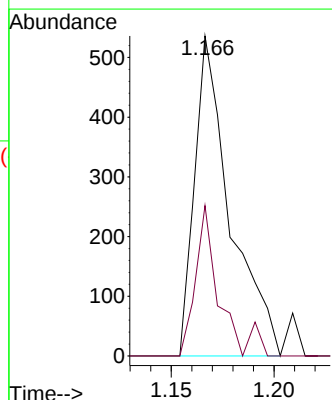
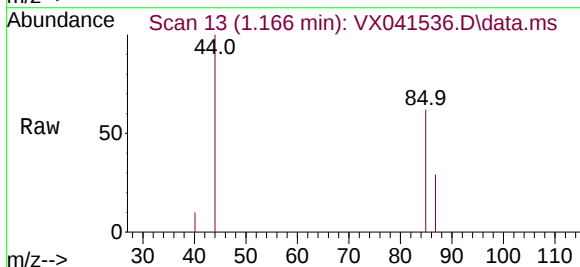
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

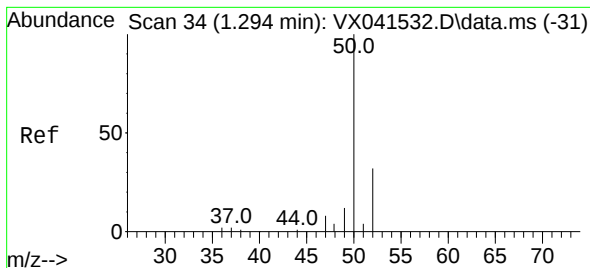
Tgt Ion:	128	Resp:	28354
Ion	Ratio	Lower	Upper
128	100		
49	143.1	0.0	361.5
130	127.9	0.0	324.3



#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

Instrument :

MSVOA_X

ClientSampleId :

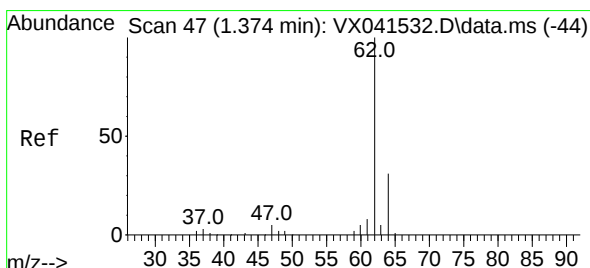
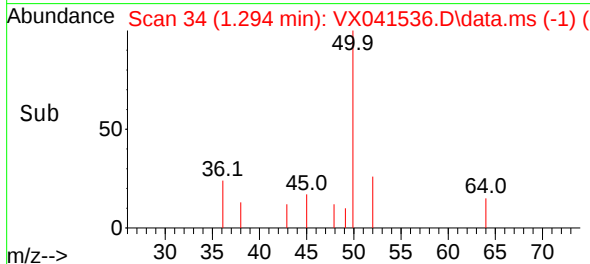
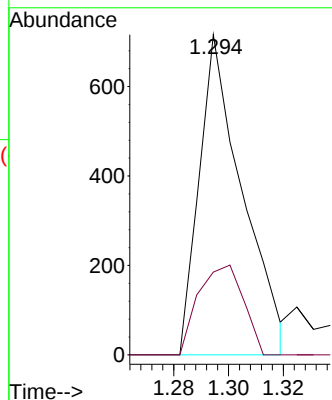
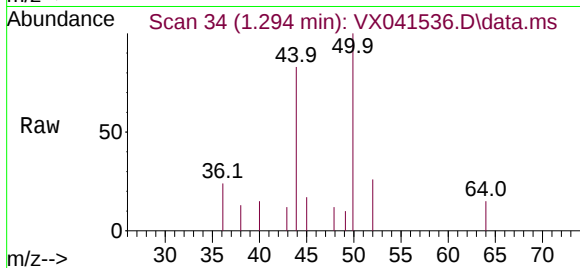
IBLK

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

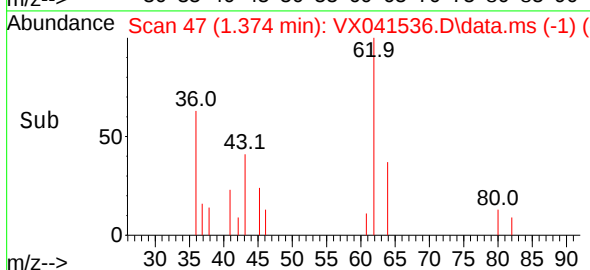
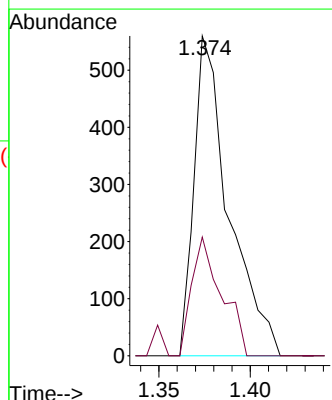
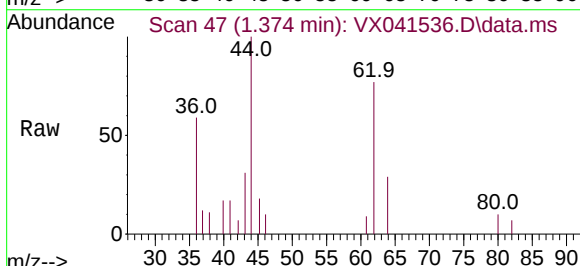
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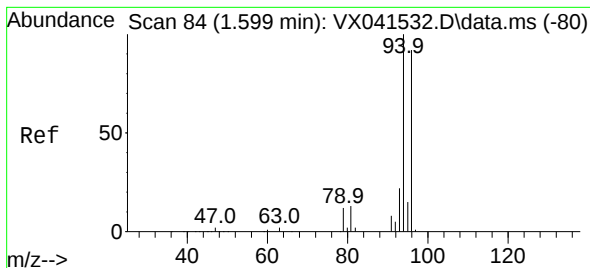
Tgt Ion: 62 Resp: 743

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 :

MSVOA_X

ClientSampleId :

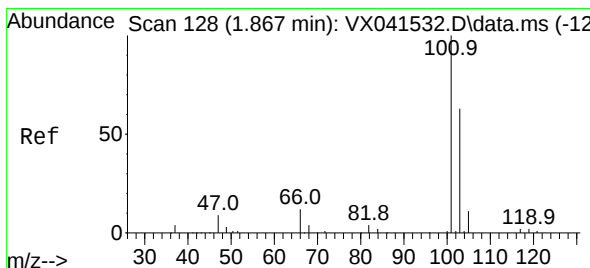
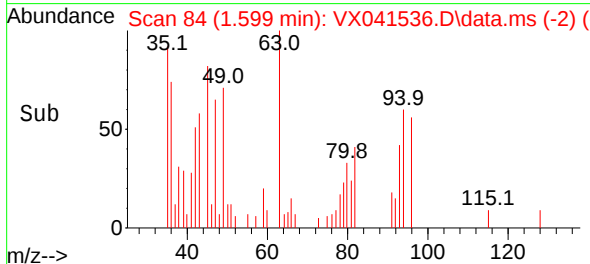
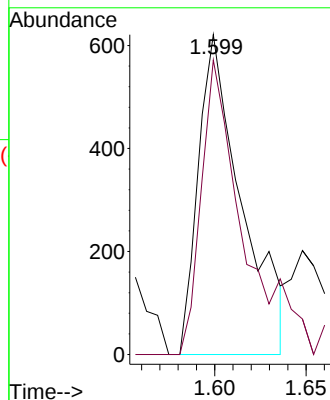
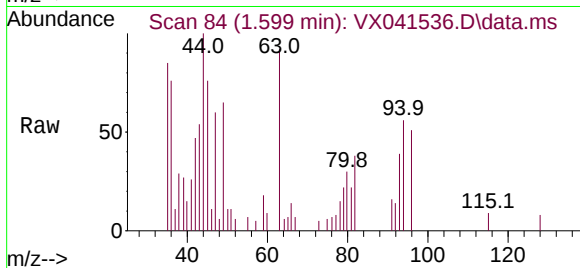
IBLK

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

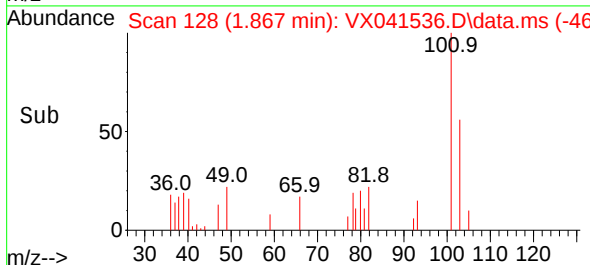
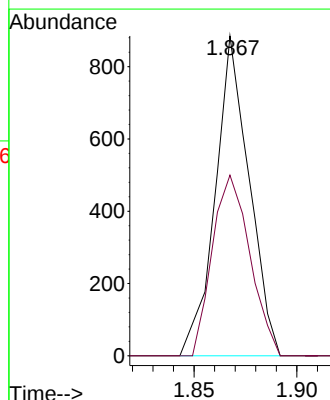
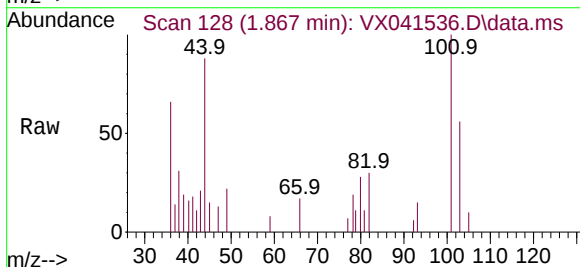
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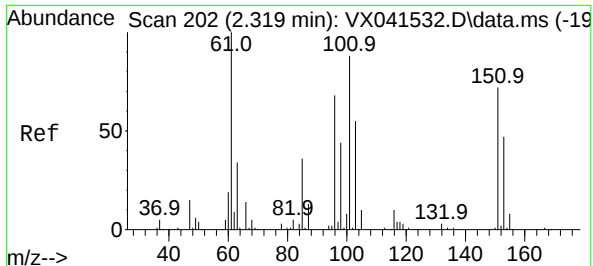
Tgt Ion:101 Resp: 1015

Ion Ratio Lower Upper

101 100

103 56.5 50.1 75.1

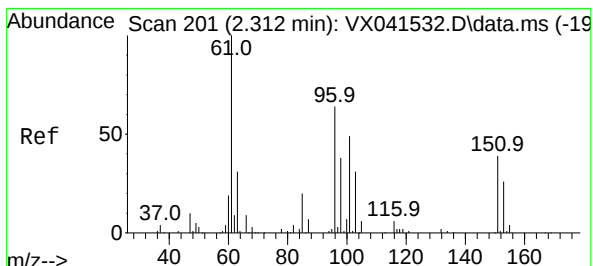
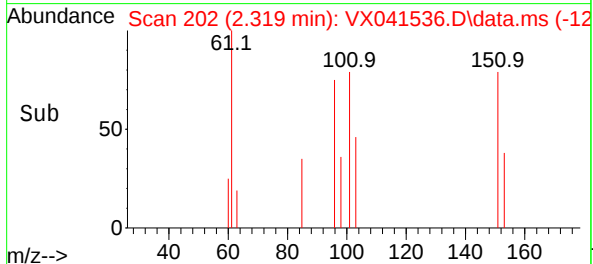
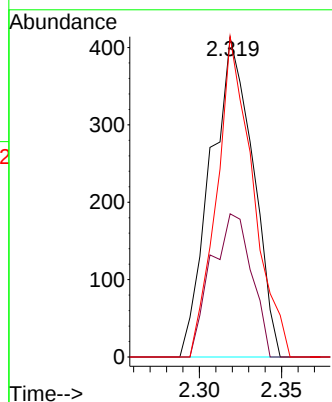
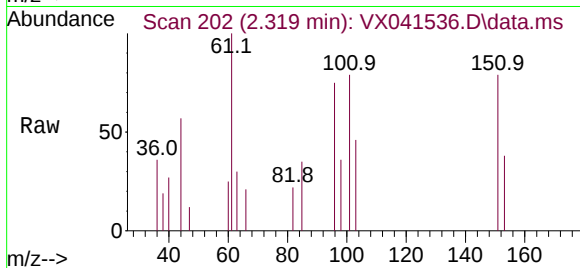




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.491 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

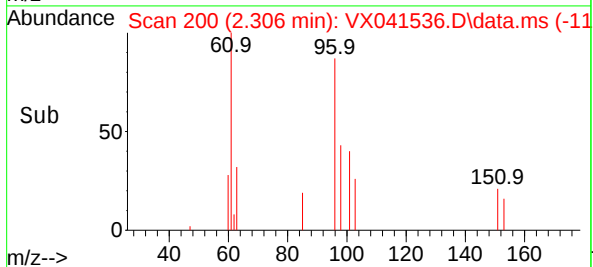
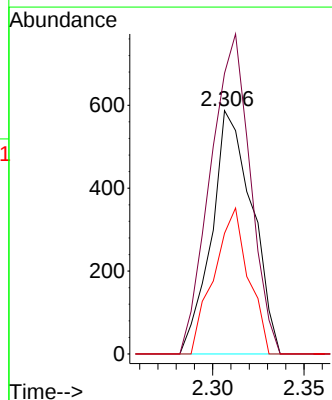
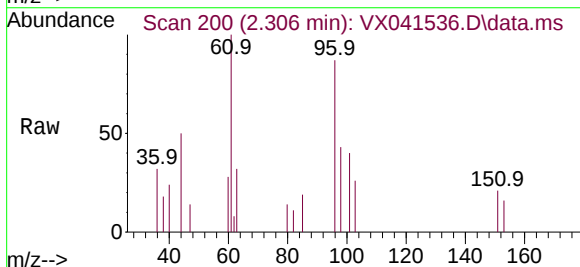
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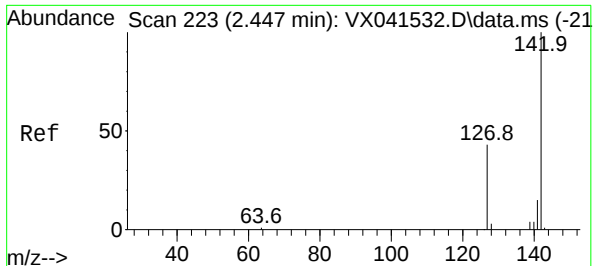
Tgt Ion:101 Resp: 739
Ion Ratio Lower Upper
101 100
85 42.6 0.0 84.6
151 85.8 0.0 170.2



#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

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

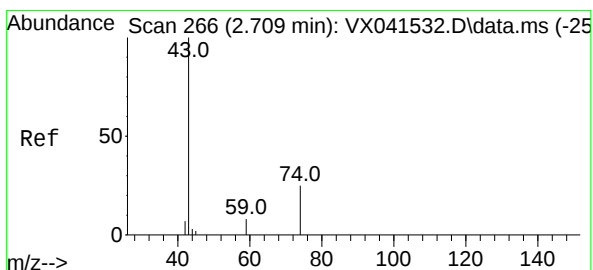
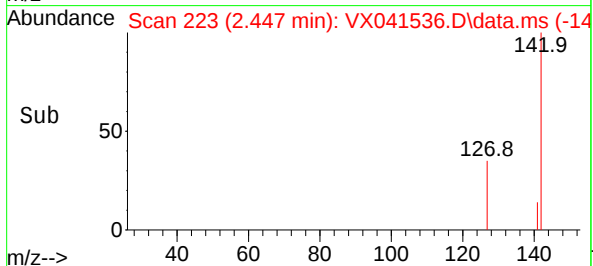
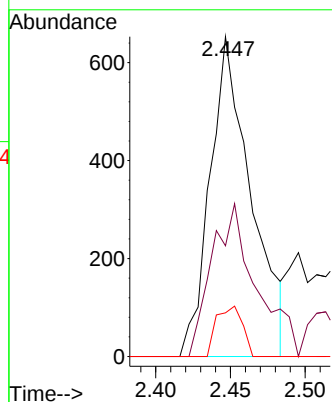
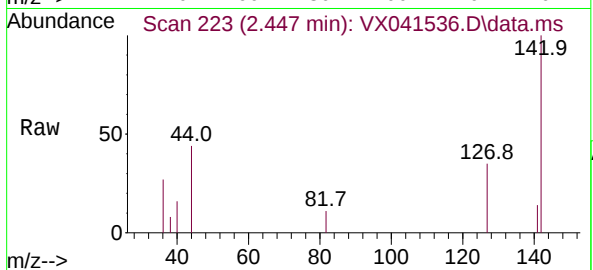
Tgt Ion:142 Resp: 1250

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

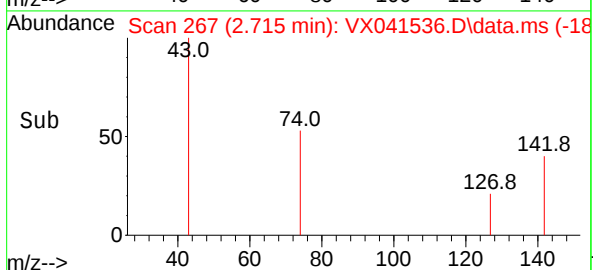
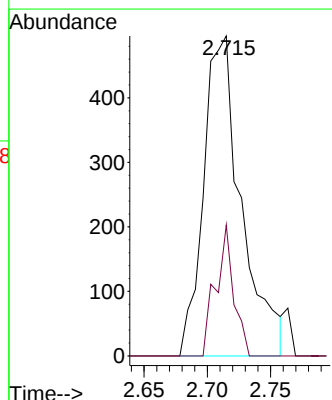
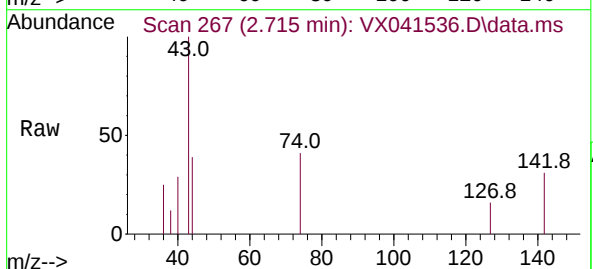
Acq: 15 May 2024 13:29

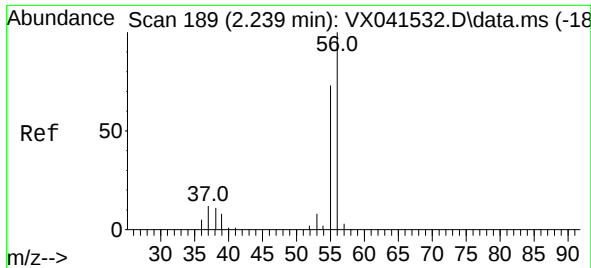
Tgt Ion: 43 Resp: 1029

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 :

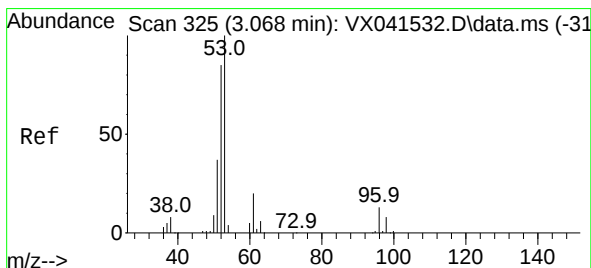
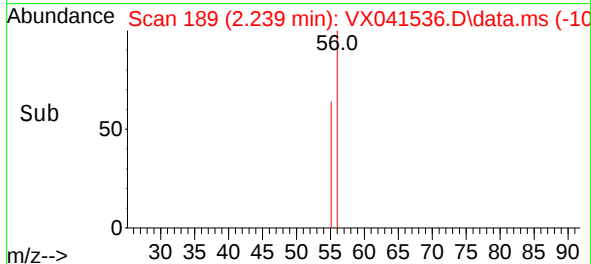
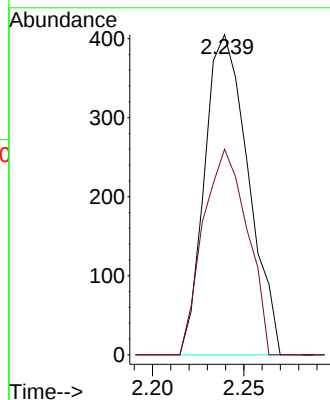
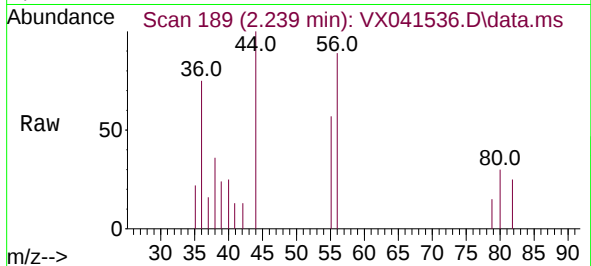
IBLK

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

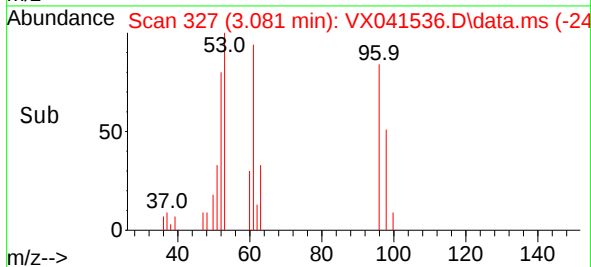
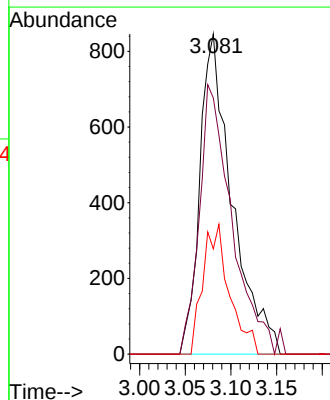
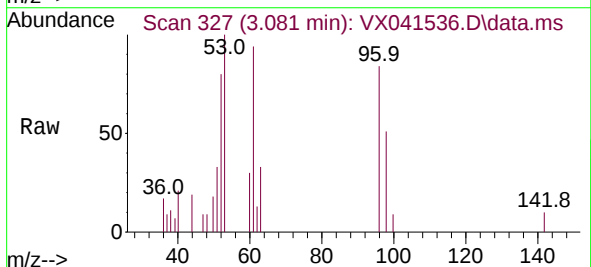
Tgt Ion: 53 Resp: 2083

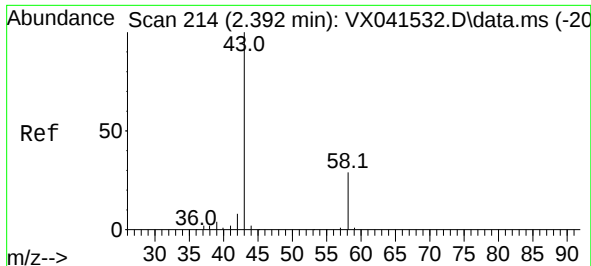
Ion Ratio Lower Upper

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 :

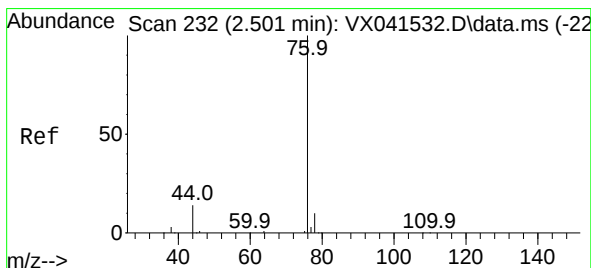
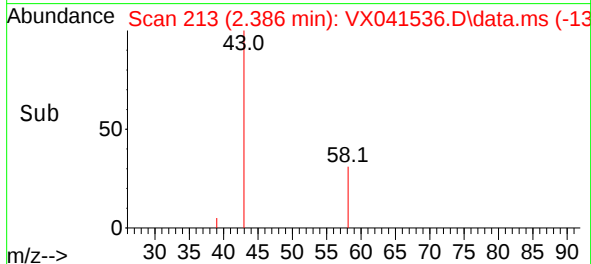
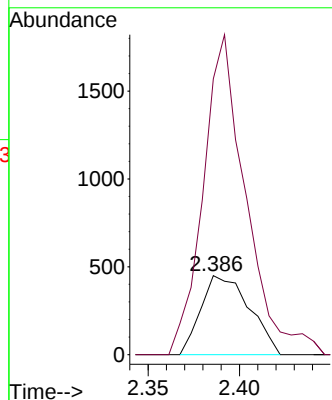
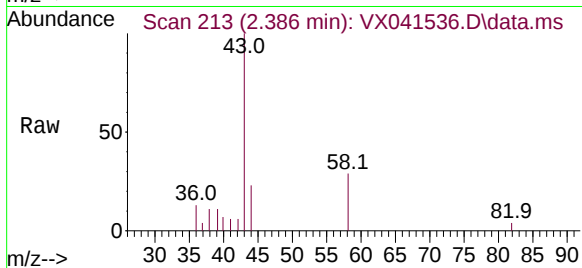
IBLK

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

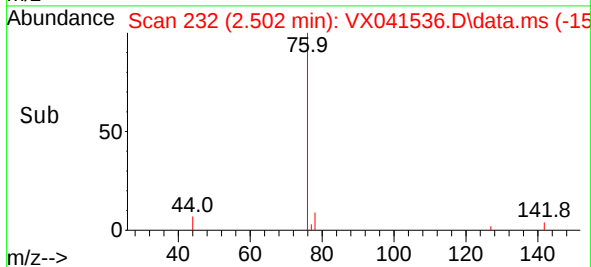
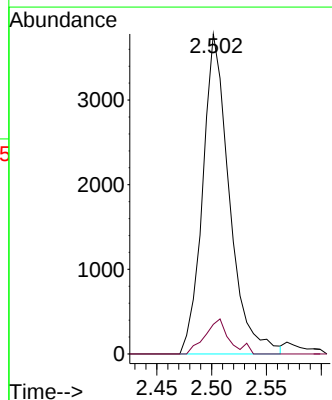
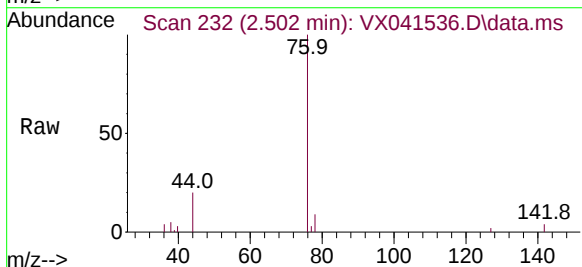
Acq: 15 May 2024 13:29

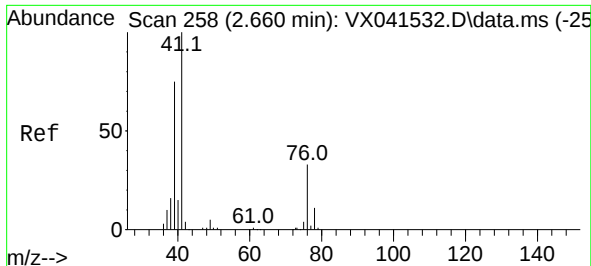
Tgt Ion: 76 Resp: 6403

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

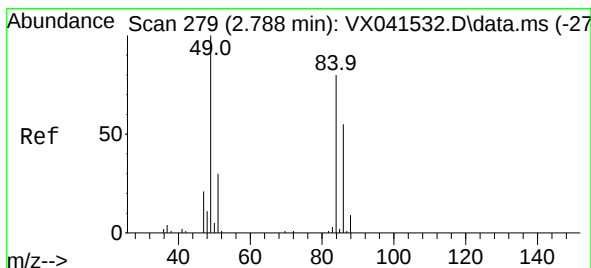
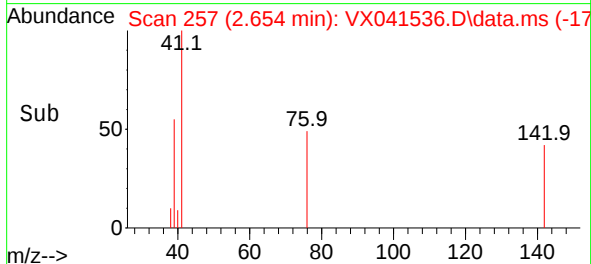
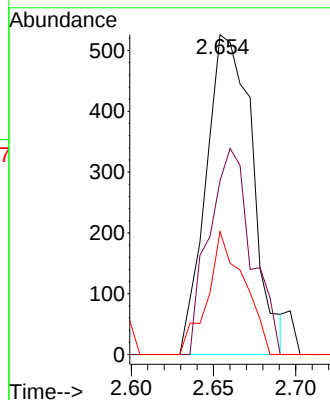
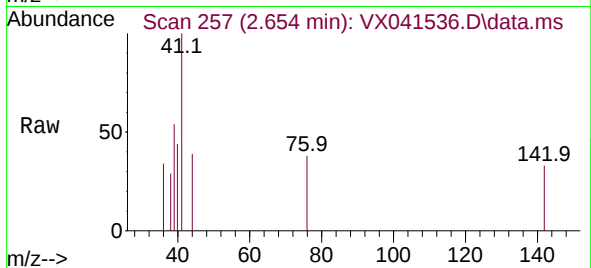




#17
 Allyl chloride
 Concen: 0.400 ug/l
 RT: 2.654 min Scan# 257
 Delta R.T. -0.006 min
 Lab File: VX041536.D
 Acq: 15 May 2024 13:29

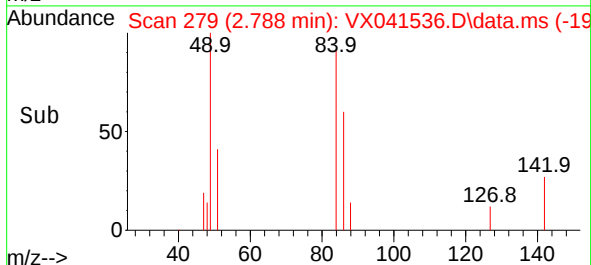
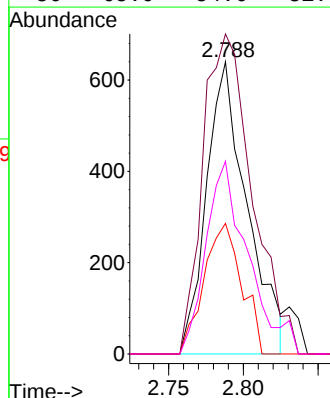
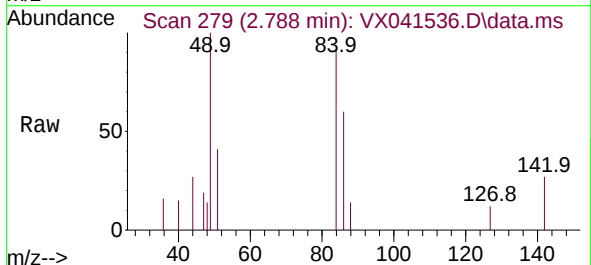
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

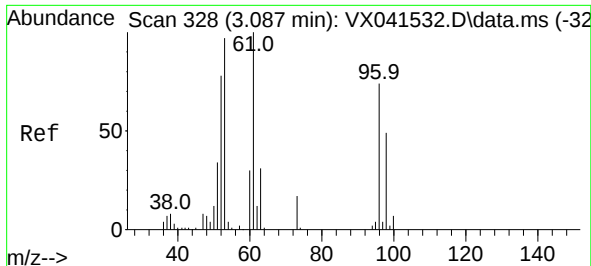
Tgt Ion: 41 Resp: 1030
 Ion Ratio Lower Upper
 41 100
 39 54.4 37.5 112.7
 76 38.4 16.6 49.8



#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





#19

trans-1,2-Dichloroethene

Concen: 0.580 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

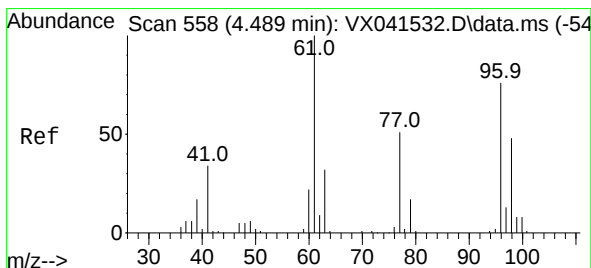
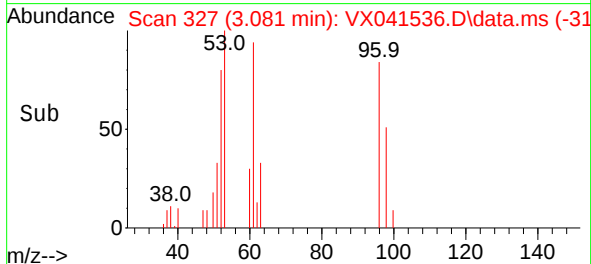
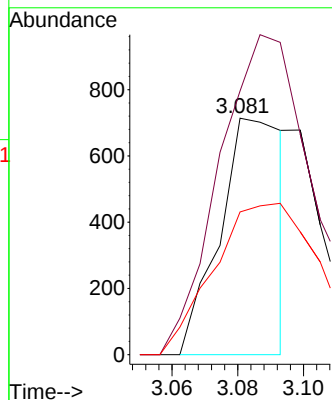
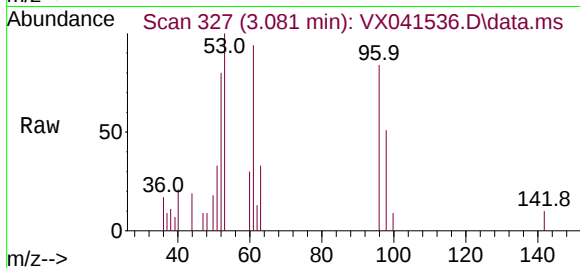
Tgt Ion: 96 Resp: 965

Ion Ratio Lower Upper

96 100

61 96.1 107.7 161.5#

98 48.7 53.1 79.7#



#22

cis-1,2-Dichloroethene

Concen: 0.401 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

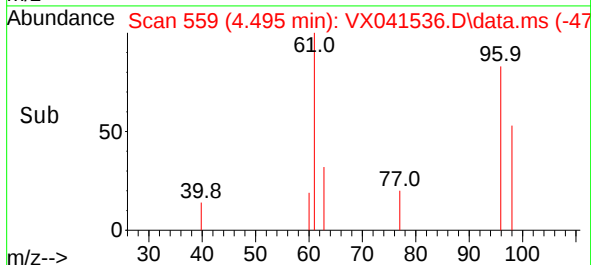
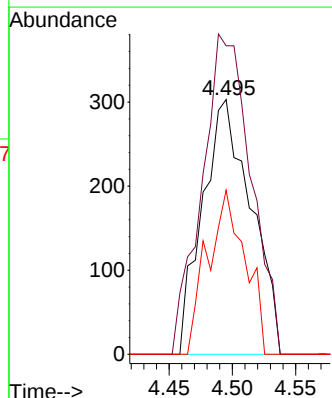
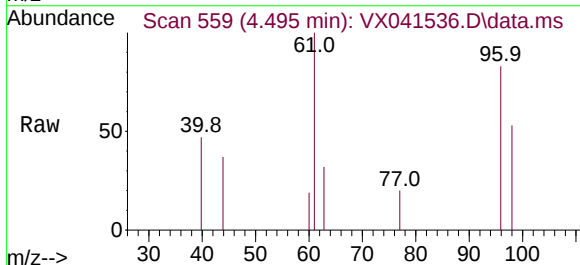
Tgt Ion: 96 Resp: 810

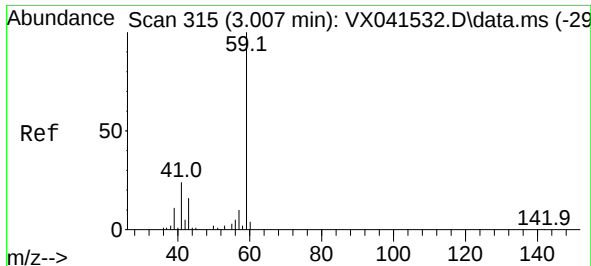
Ion Ratio Lower Upper

96 100

61 127.0 114.2 171.4

98 36.7 52.6 79.0#





#23

tert-Butyl Alcohol

Concen: 1.281 ug/l

RT: 3.014 min Scan# 315

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

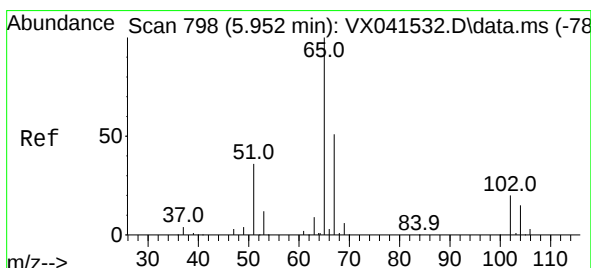
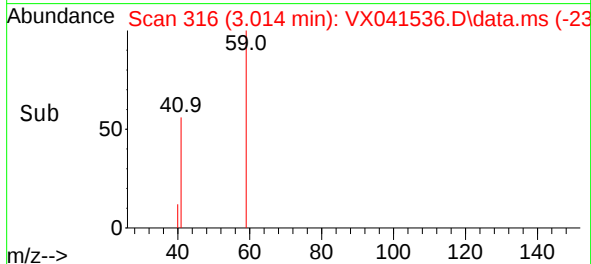
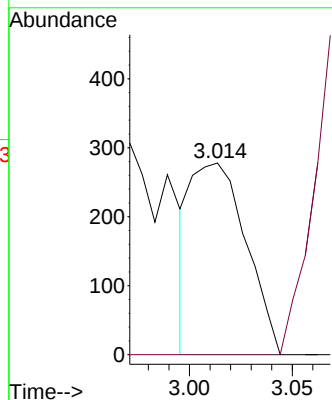
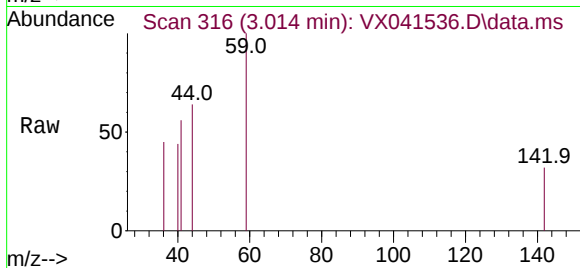
IBLK

Tgt Ion: 59 Resp: 522

Ion Ratio Lower Upper

59 100

52 337.0 0.0 0.0#



#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

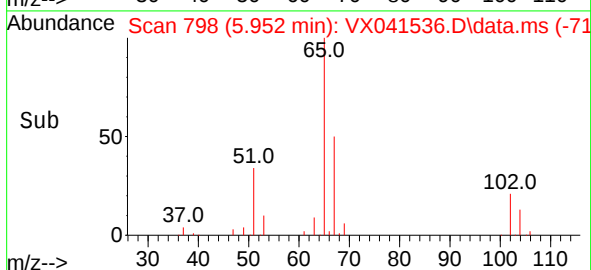
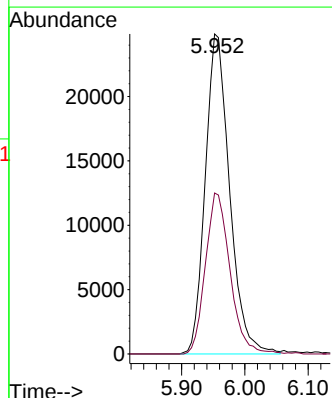
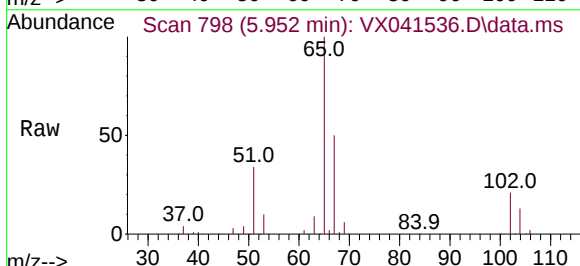
Acq: 15 May 2024 13:29

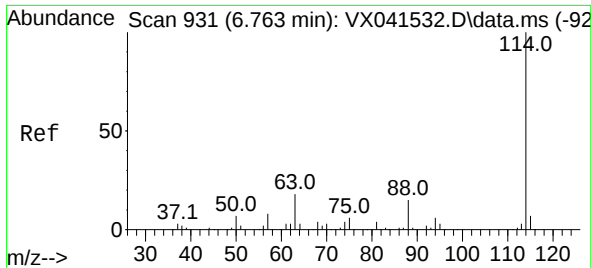
Tgt Ion: 65 Resp: 66653

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# 931

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

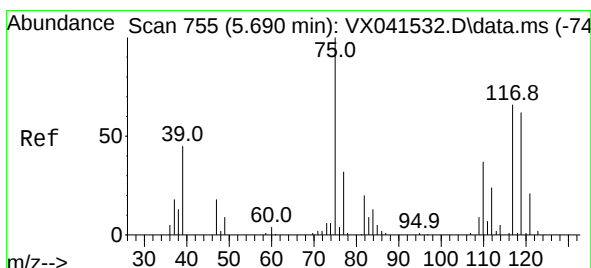
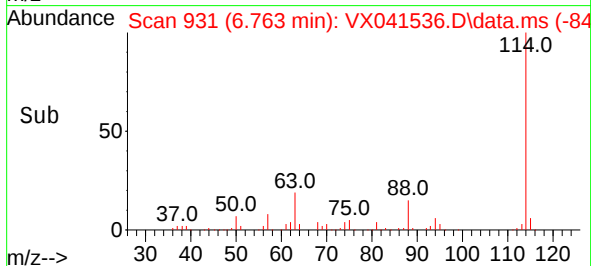
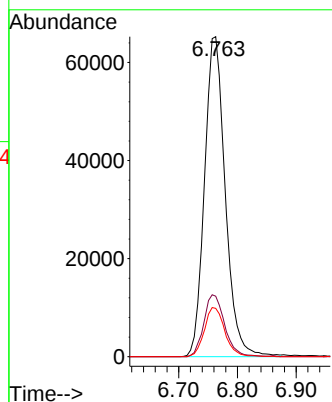
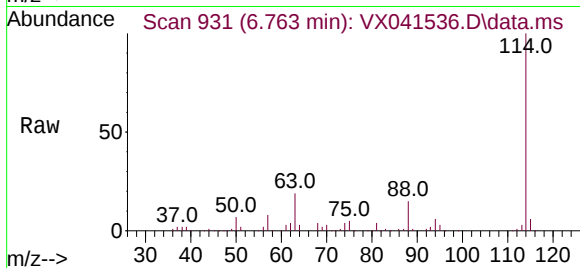
Tgt Ion:114 Resp: 160423

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

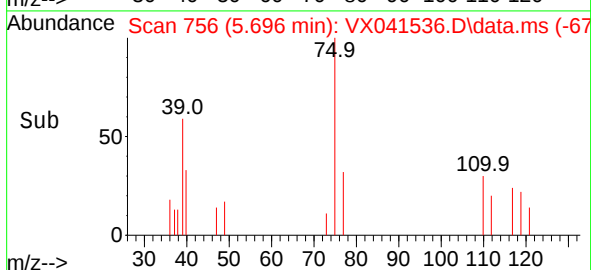
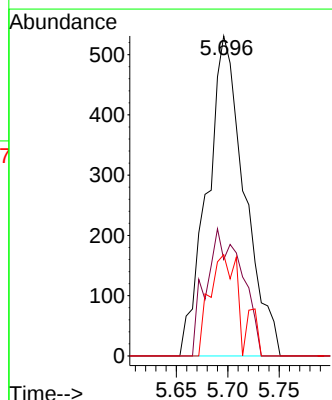
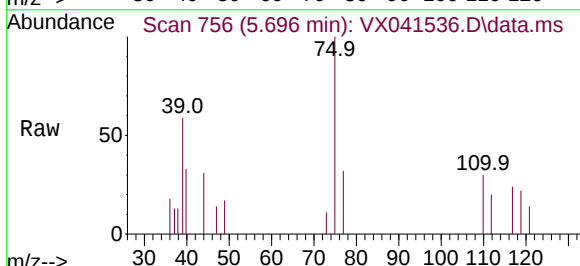
Tgt Ion: 75 Resp: 1339

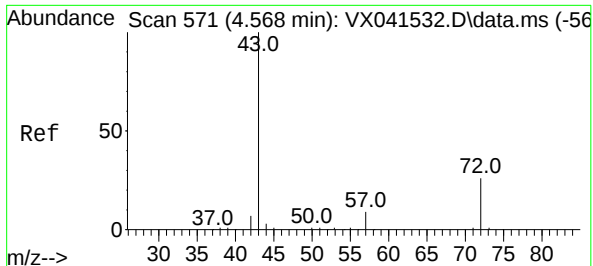
Ion Ratio Lower Upper

75 100

110 7.8 0.0 74.4

77 17.8 0.0 62.6





#30

2-Butanone

Concen: 0.463 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

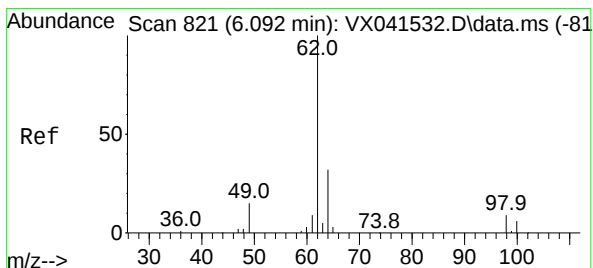
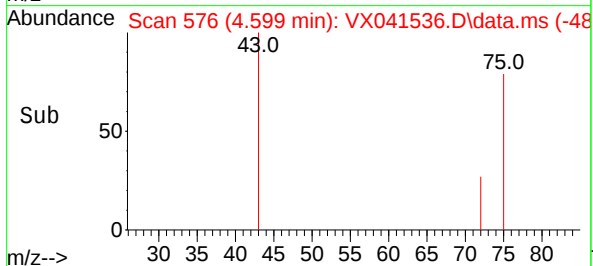
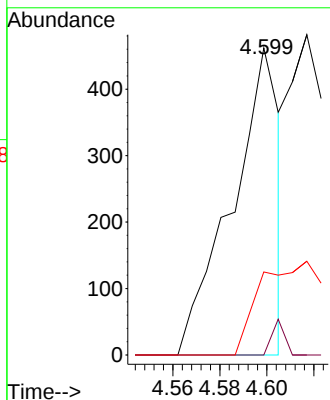
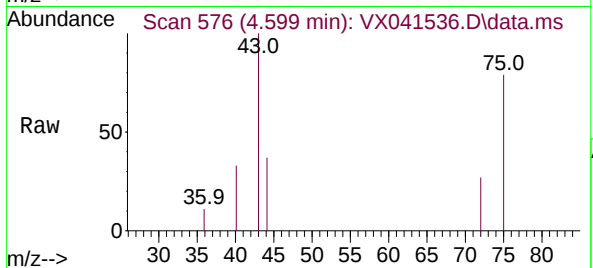
Tgt Ion: 43 Resp: 652

Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 17.3 20.7 31.1#



#36

1,2-Dichloroethane

Concen: 0.247 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX041536.D

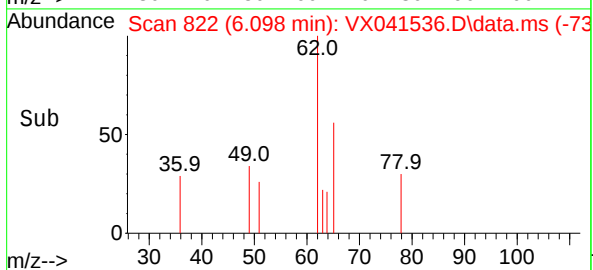
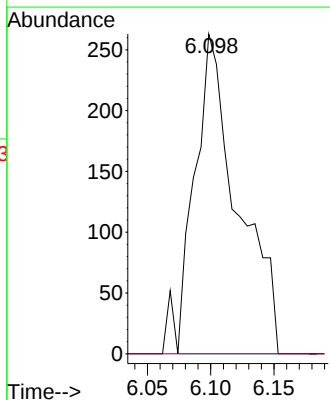
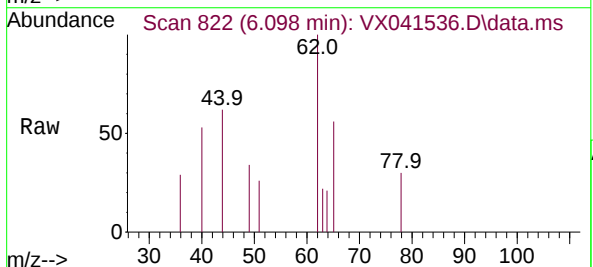
Acq: 15 May 2024 13:29

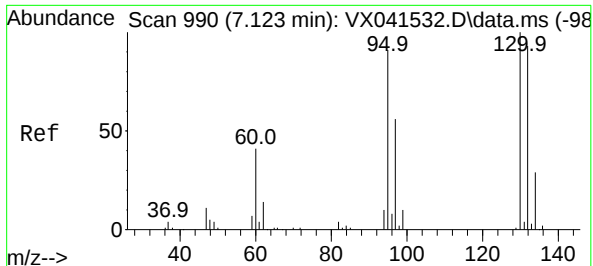
Tgt Ion: 62 Resp: 617

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#





#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 :

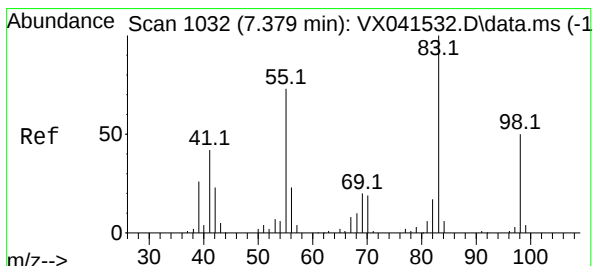
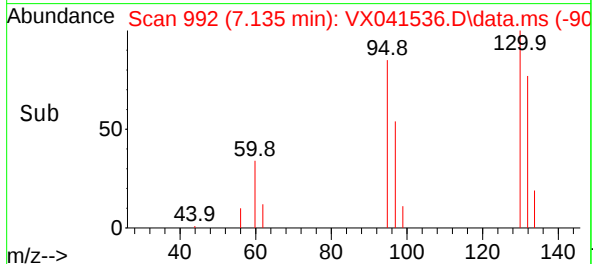
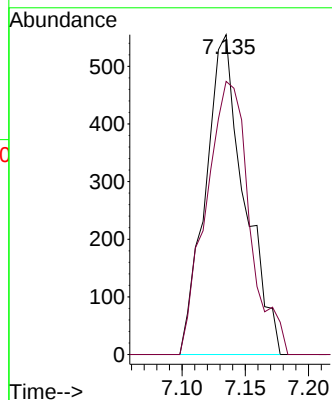
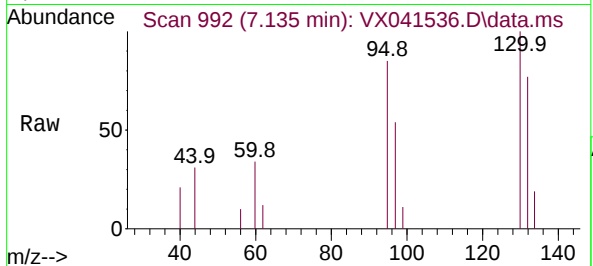
IBLK

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

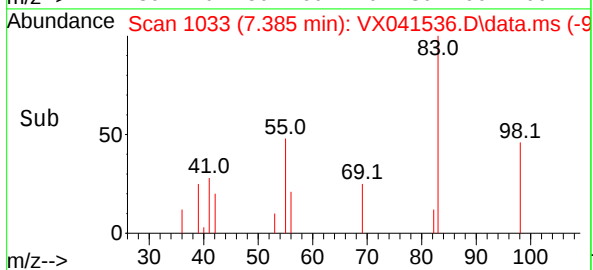
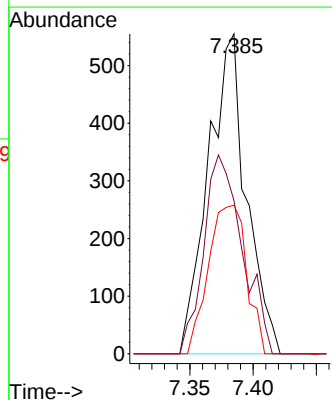
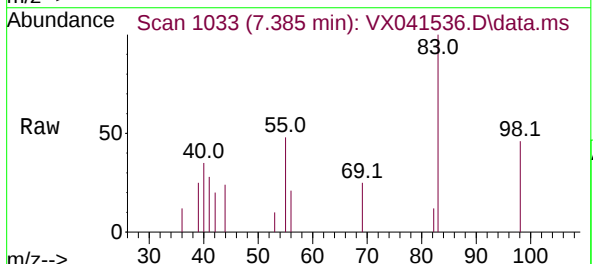
Tgt Ion: 83 Resp: 1161

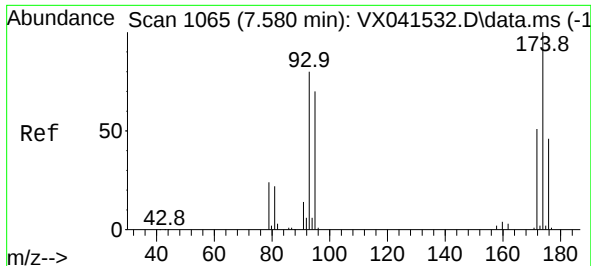
Ion Ratio Lower Upper

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# 1

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

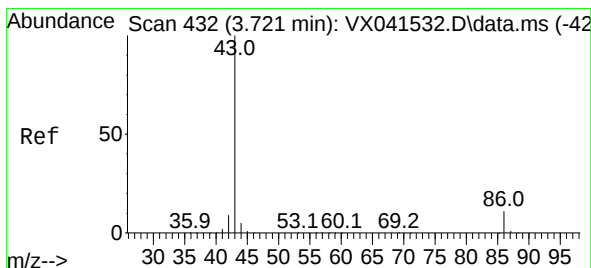
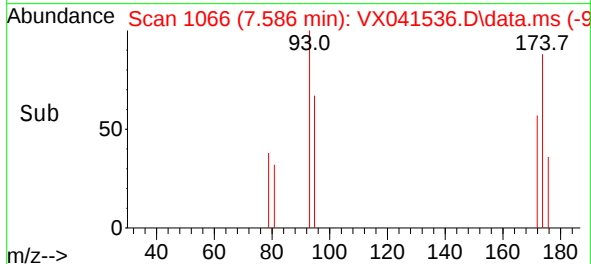
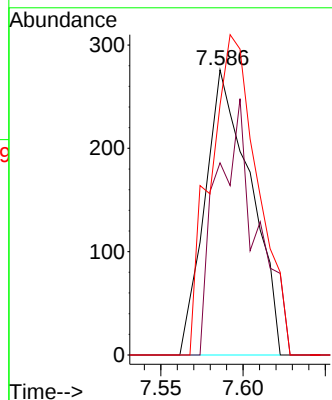
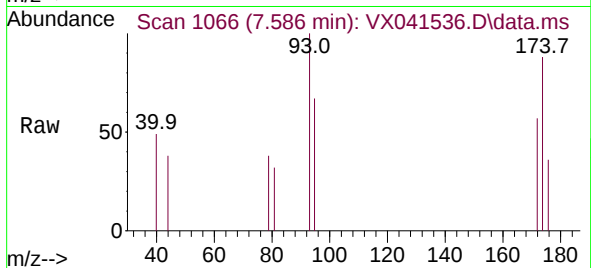
Tgt Ion: 93 Resp: 531

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

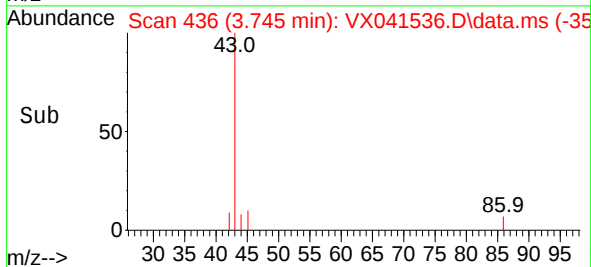
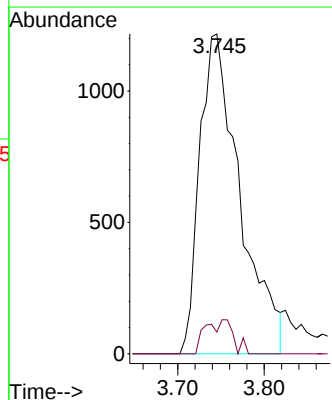
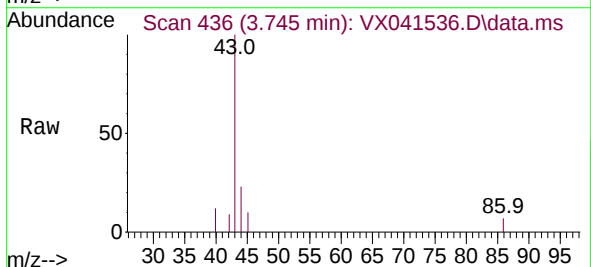
Acq: 15 May 2024 13:29

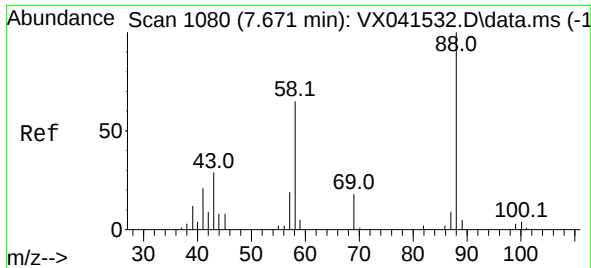
Tgt Ion: 43 Resp: 3931

Ion Ratio Lower Upper

43 100

86 3.2 7.8 11.6#

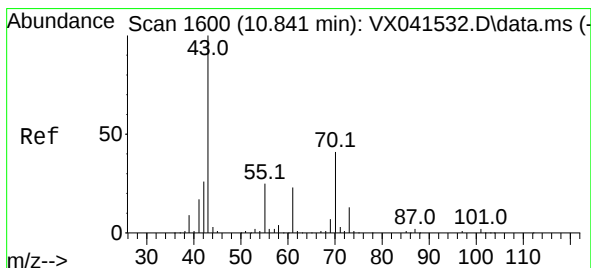
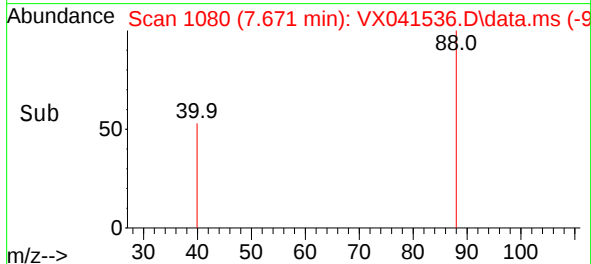
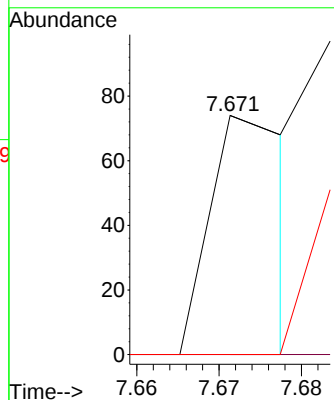
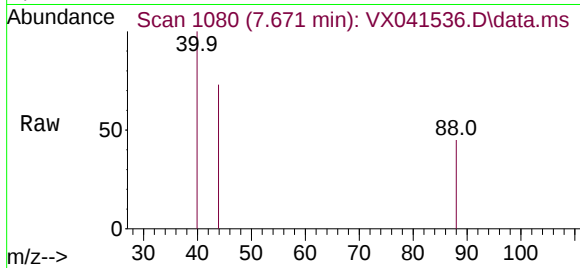




#45
1,4-Dioxane
Concen: 1.122 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

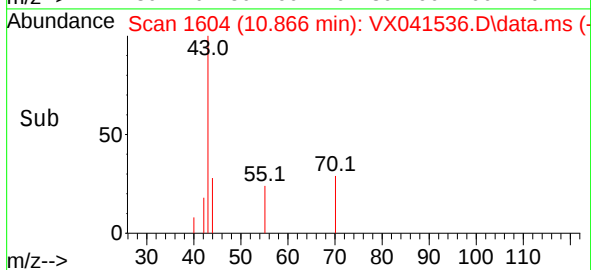
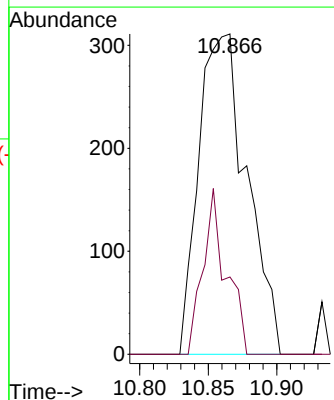
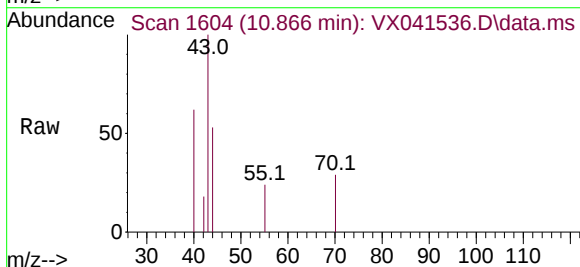
Instrument :
MSVOA_X
ClientSampleId :
IBLK

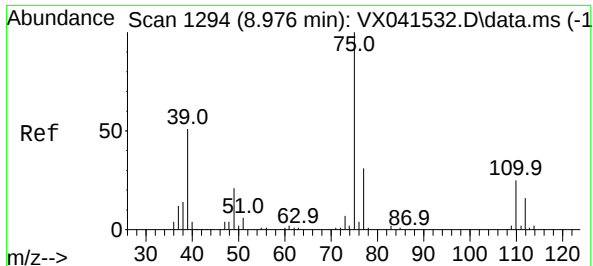
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 47.0 70.4#



#47
n-amyI 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

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# 1196

Delta R.T. 0.018 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

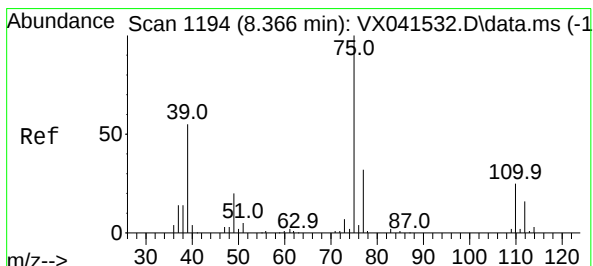
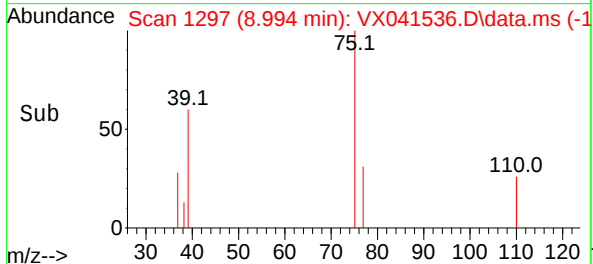
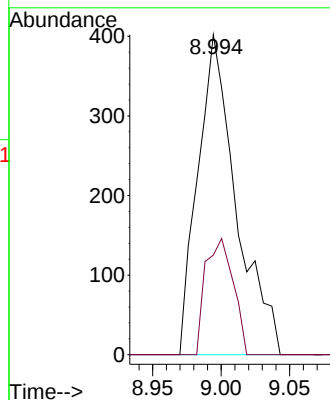
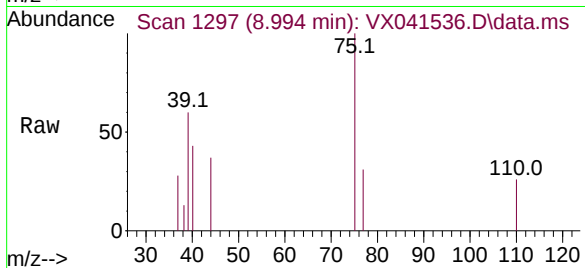
IBLK

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

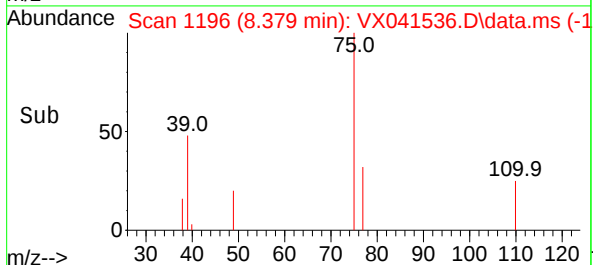
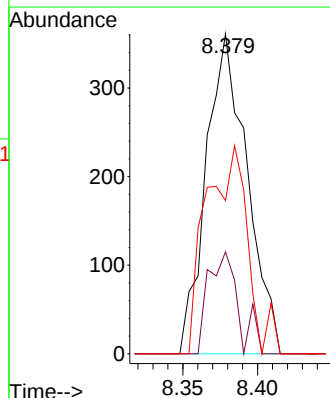
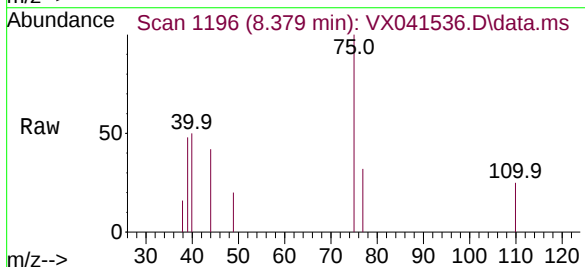
Tgt Ion: 75 Resp: 688

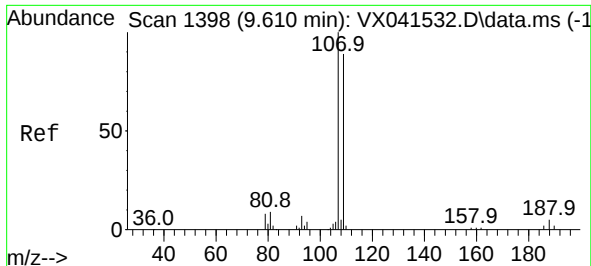
Ion Ratio Lower Upper

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# 1176

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

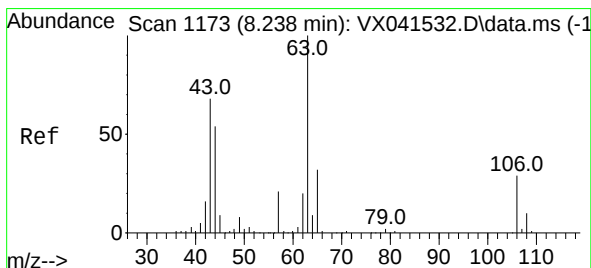
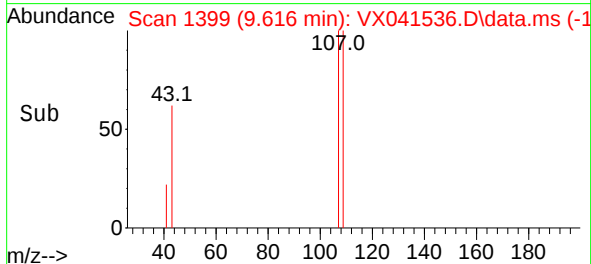
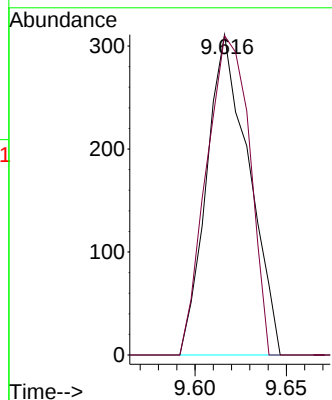
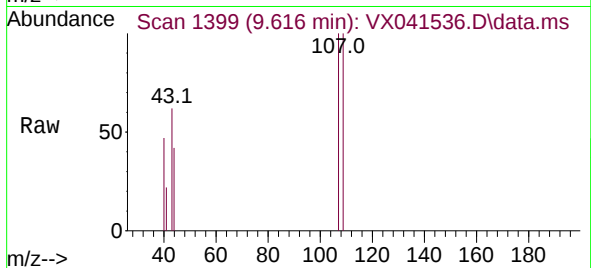
IBLK

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

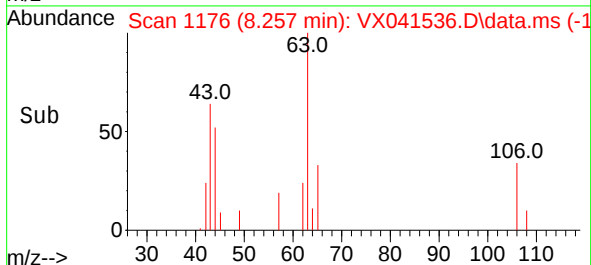
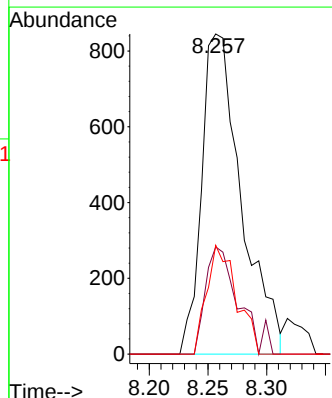
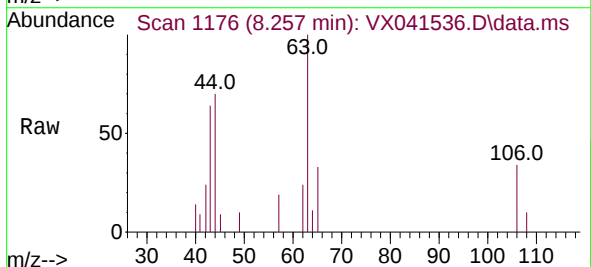
Tgt Ion: 63 Resp: 1986

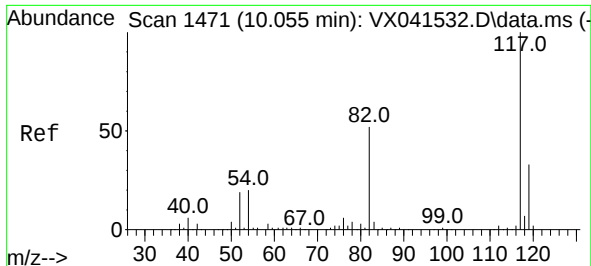
Ion Ratio Lower Upper

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

Instrument :

MSVOA_X

ClientSampleId :

IBLK

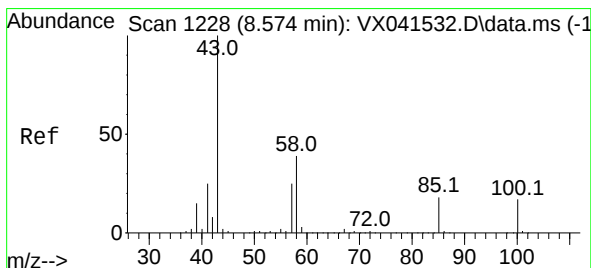
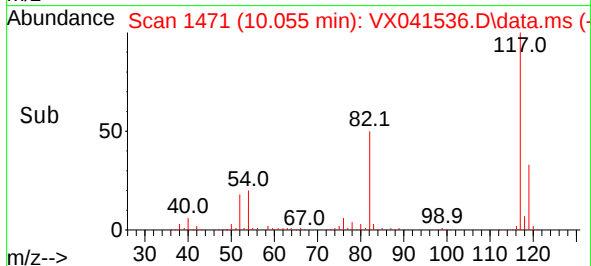
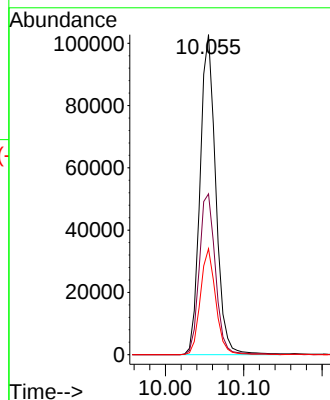
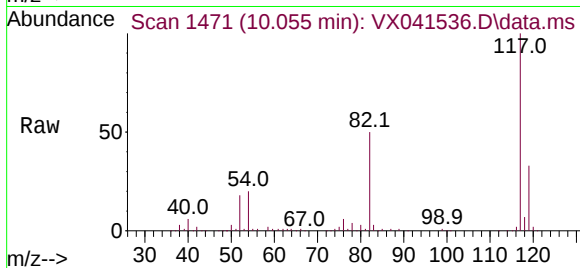
Tgt Ion:117 Resp: 143449

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# 1230

Delta R.T. 0.012 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

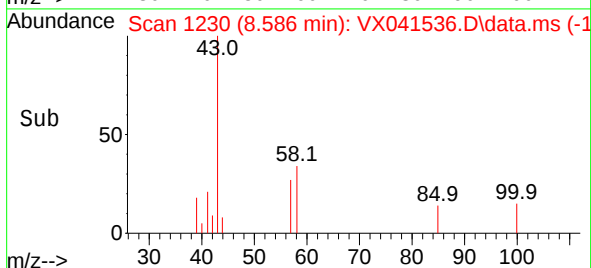
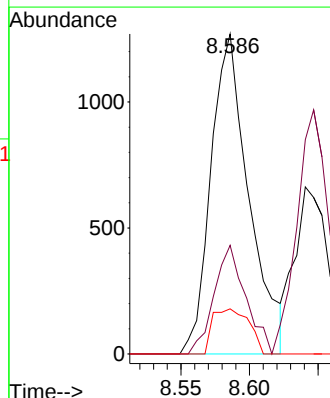
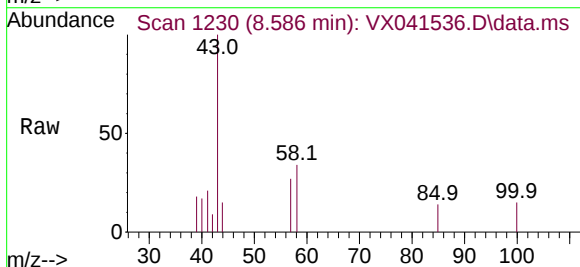
Tgt Ion: 43 Resp: 2446

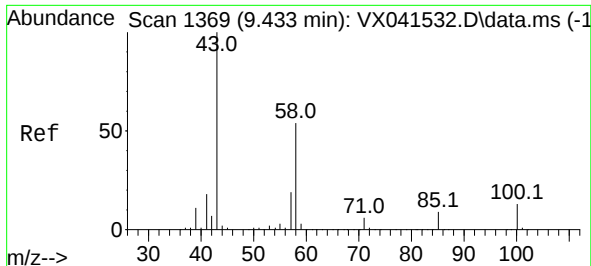
Ion Ratio Lower Upper

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

Instrument :

MSVOA_X

ClientSampleId :

IBLK

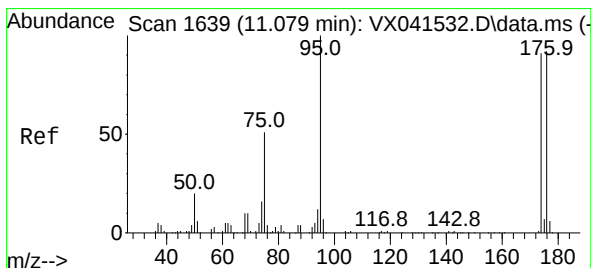
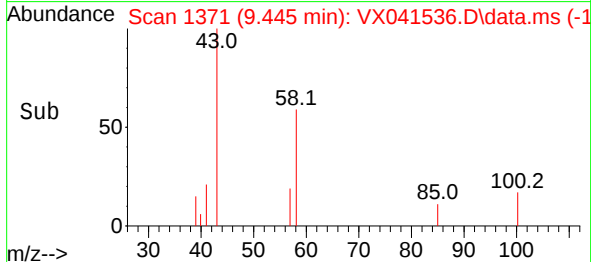
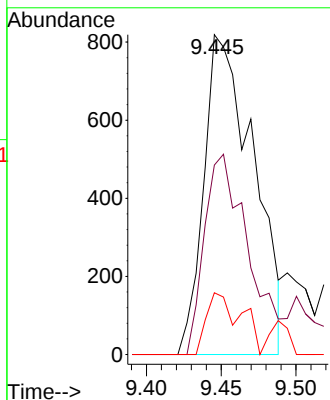
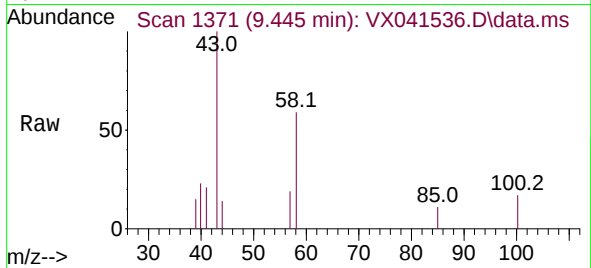
Tgt Ion: 43 Resp: 1885

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

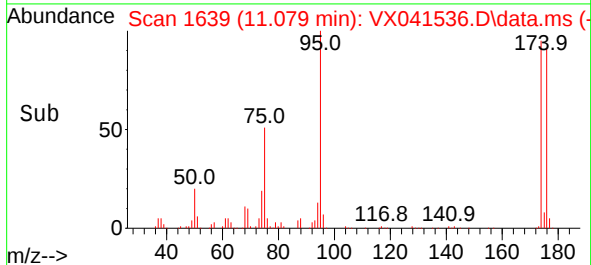
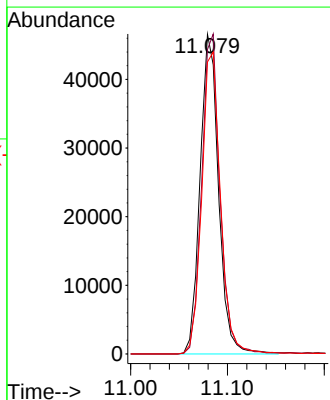
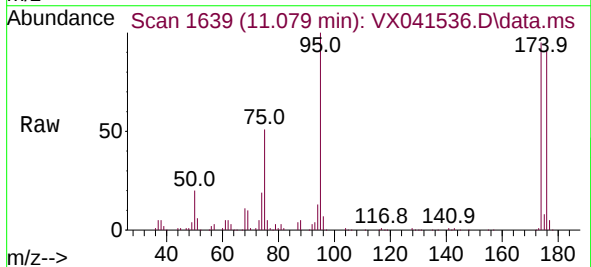
Tgt Ion: 95 Resp: 62014

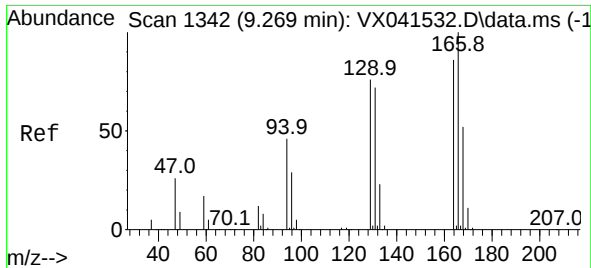
Ion Ratio Lower Upper

95 100

174 99.0 76.6 115.0

176 95.8 75.4 113.0

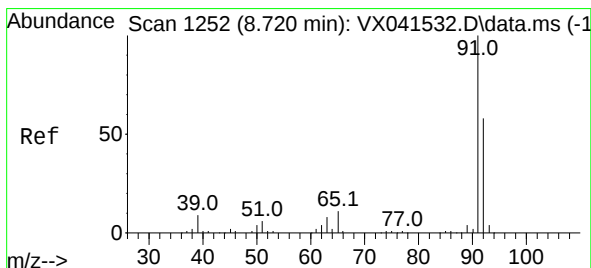
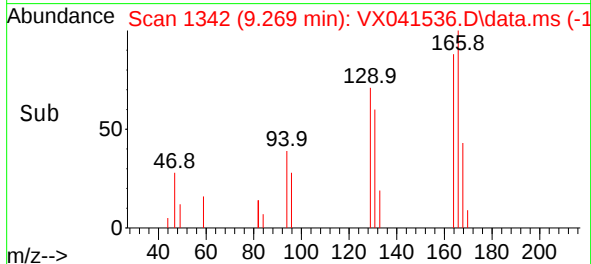
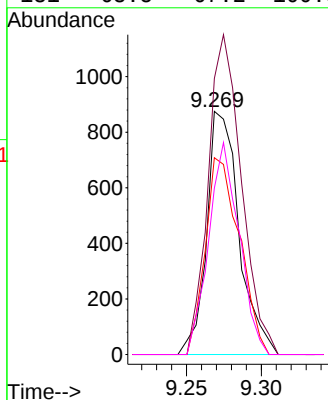
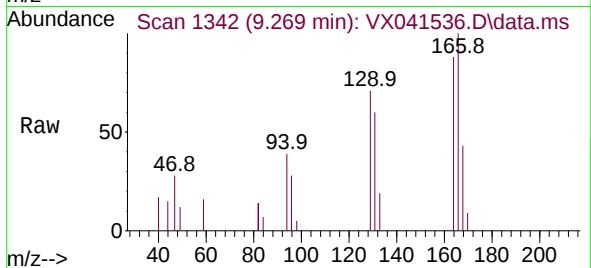




#61
Tetrachloroethene
Concen: 0.748 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

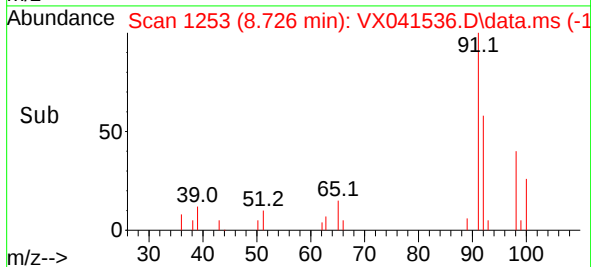
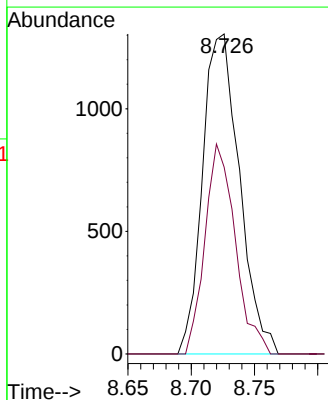
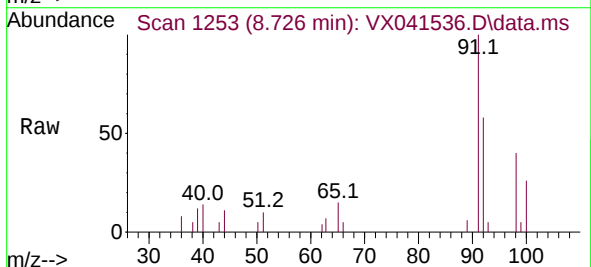
Instrument :
MSVOA_X
ClientSampleId :
IBLK

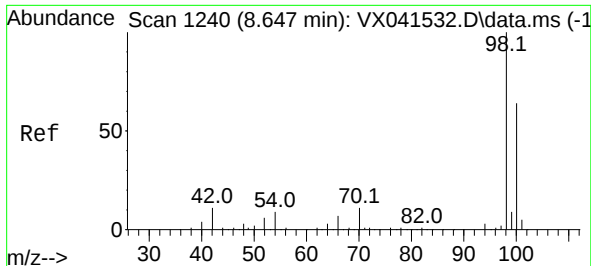
Tgt Ion:164	Resp:	1313
Ion	Ratio	Lower Upper
164	100	
166	113.5	92.8 139.2
129	80.9	70.1 105.1
131	68.5	67.2 100.8



#62
Toluene
Concen: 0.371 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

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

Instrument :

MSVOA_X

ClientSampleId :

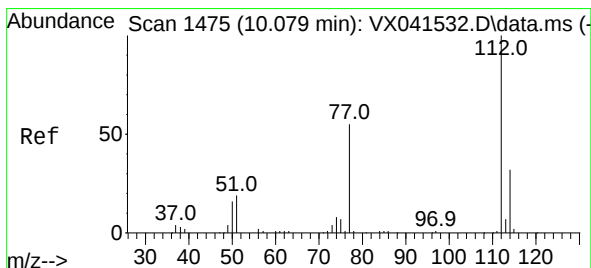
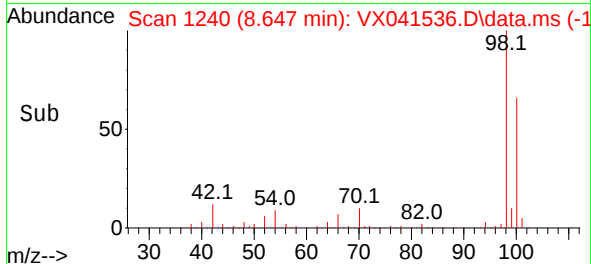
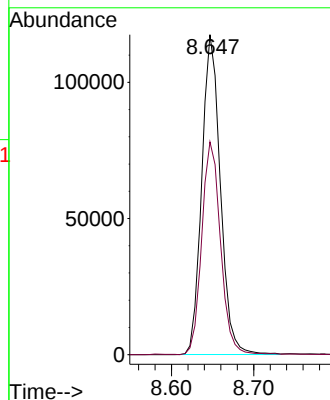
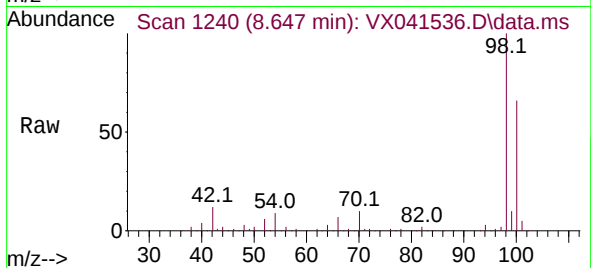
IBLK

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

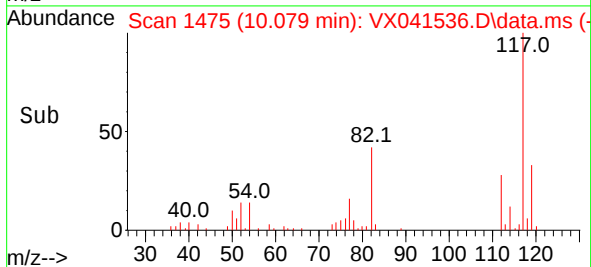
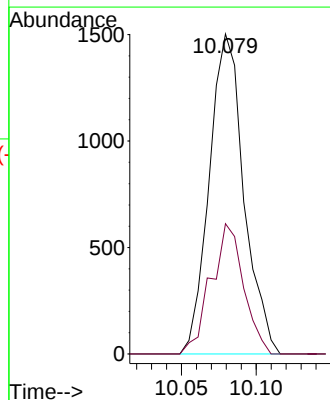
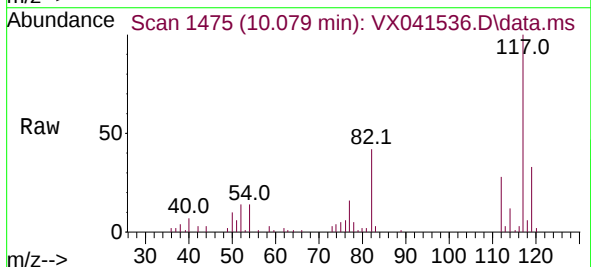
Acq: 15 May 2024 13:29

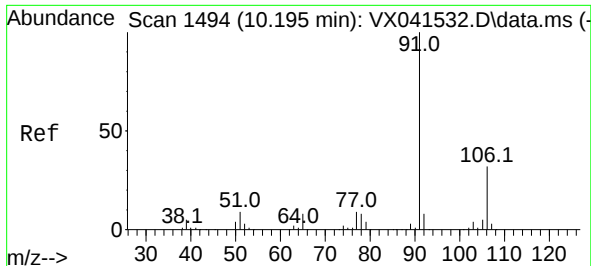
Tgt Ion: 112 Resp: 2420

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

Instrument :

MSVOA_X

ClientSampleId :

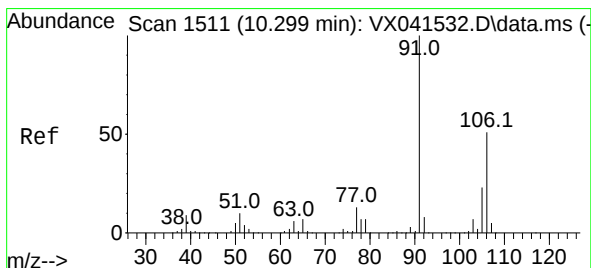
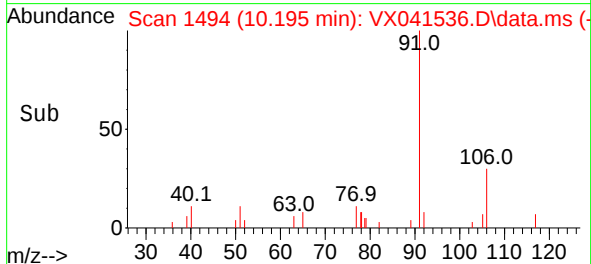
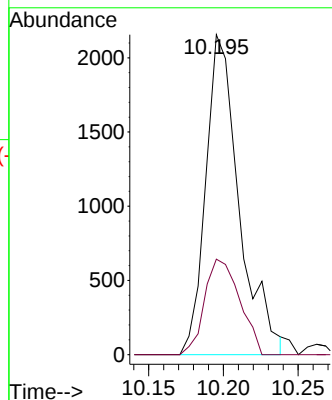
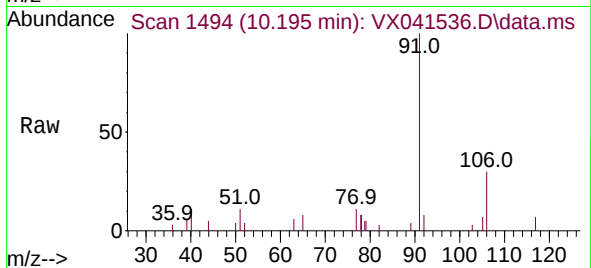
IBLK

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

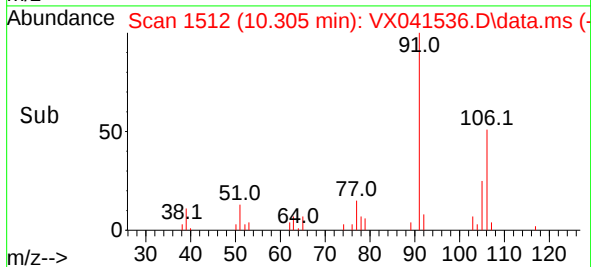
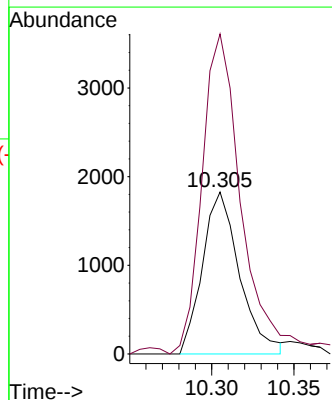
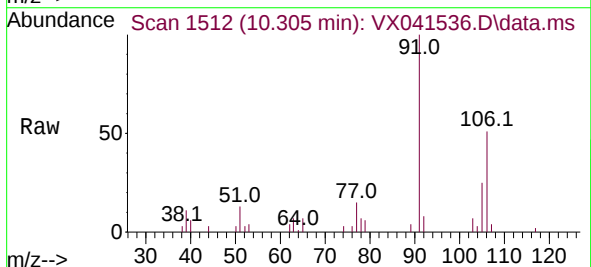
Acq: 15 May 2024 13:29

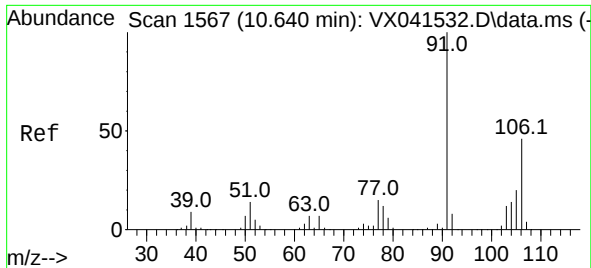
Tgt Ion:106 Resp: 2864

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

Instrument :

MSVOA_X

ClientSampleId :

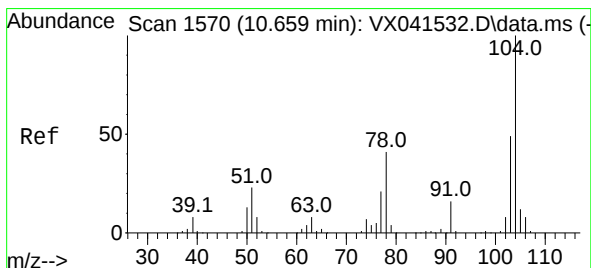
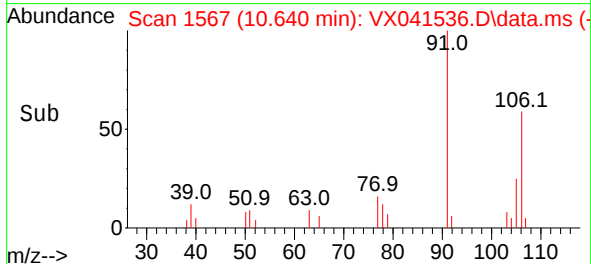
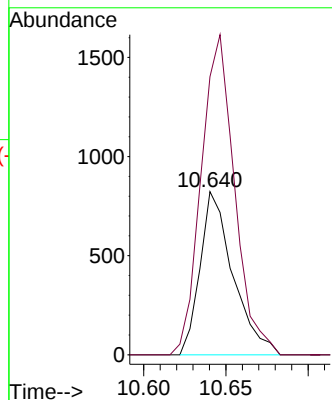
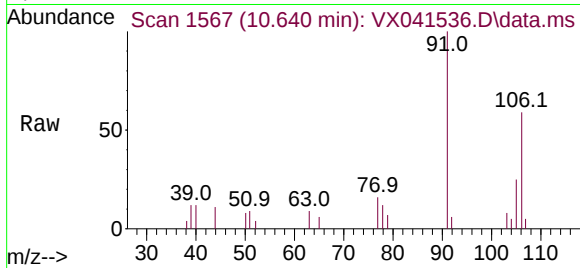
IBLK

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# 1571

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

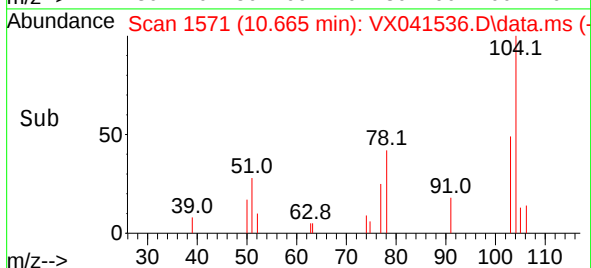
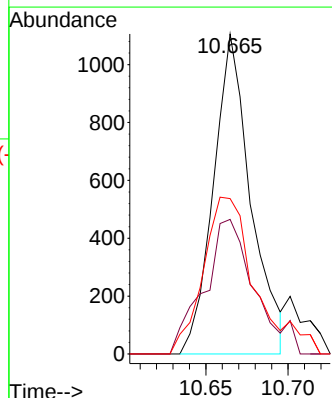
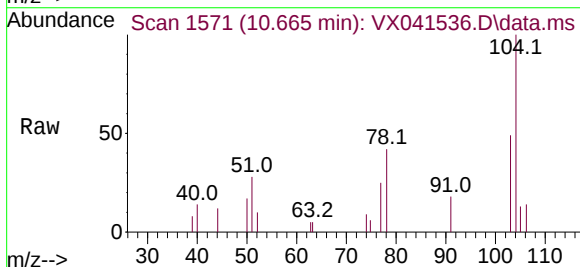
Tgt Ion:104 Resp: 1748

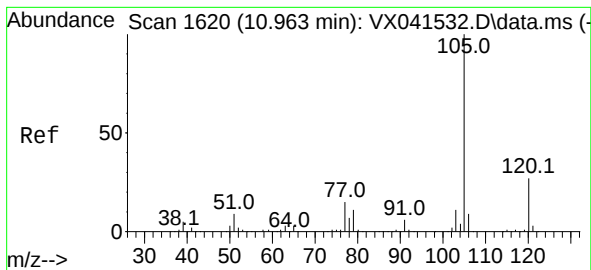
Ion Ratio Lower Upper

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# 1

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

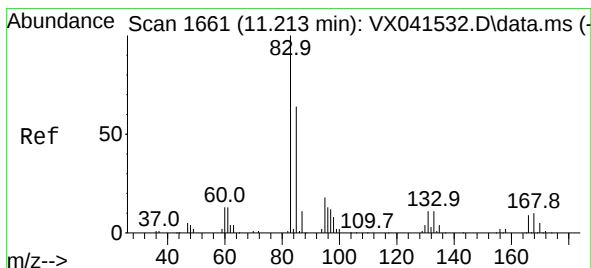
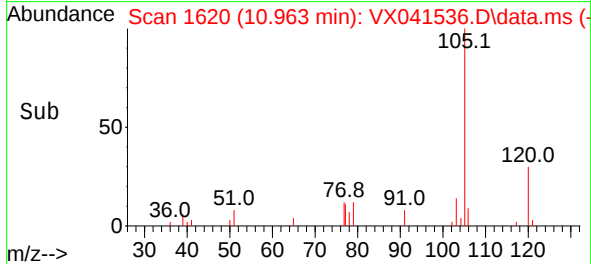
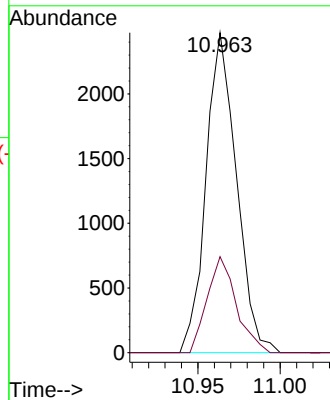
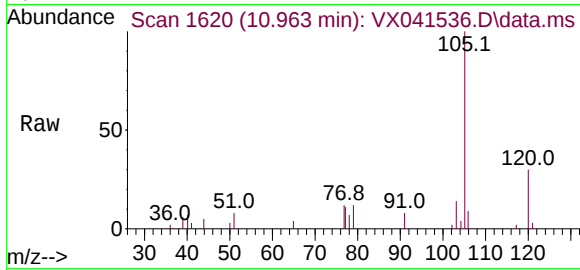
IBLK

Tgt Ion:105 Resp: 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

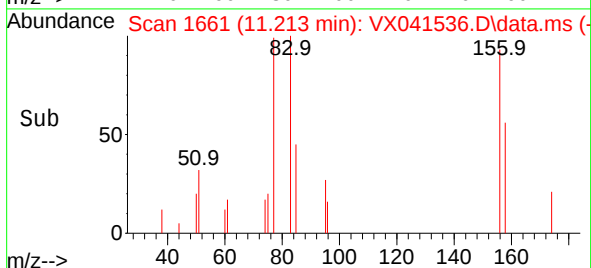
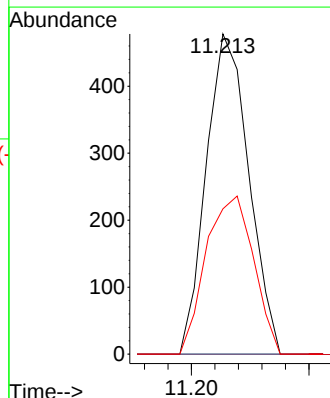
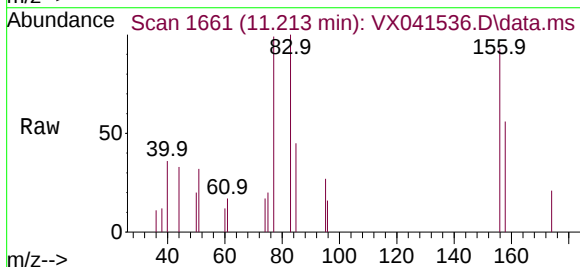
Tgt Ion: 83 Resp: 602

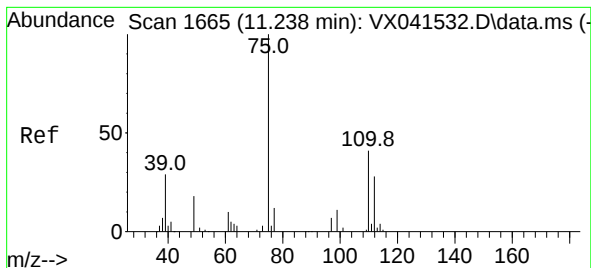
Ion Ratio Lower Upper

83 100

131 13.1 5.7 17.0

85 55.1 32.3 96.8





#72

1,2,3-Trichloropropane

Concen: 0.297 ug/l

RT: 11.250 min Scan# 1667

Delta R.T. 0.012 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

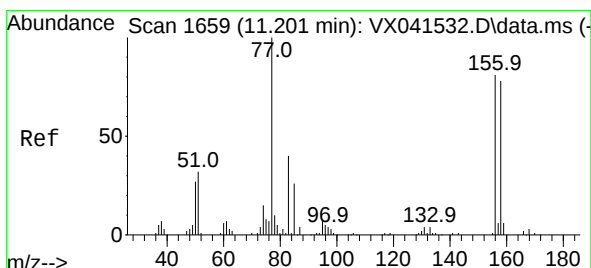
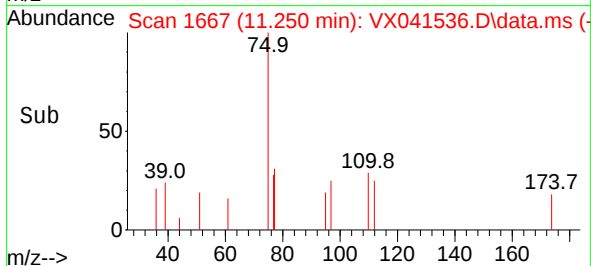
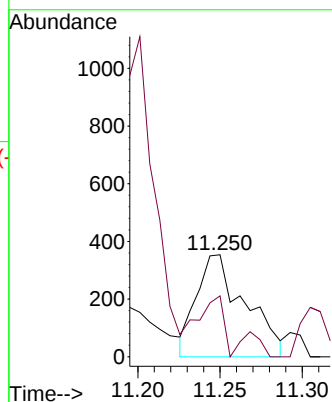
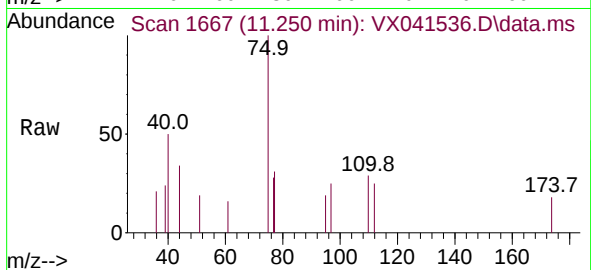
IBLK

Tgt Ion: 75 Resp: 726

Ion Ratio Lower Upper

75 100

77 32.9 0.0 78.8



#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

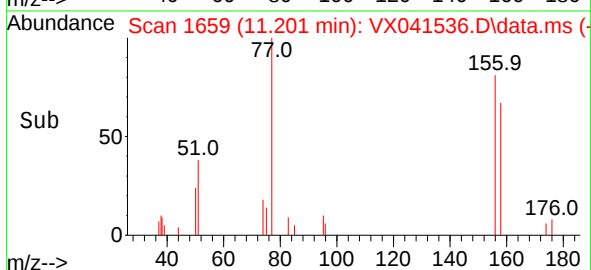
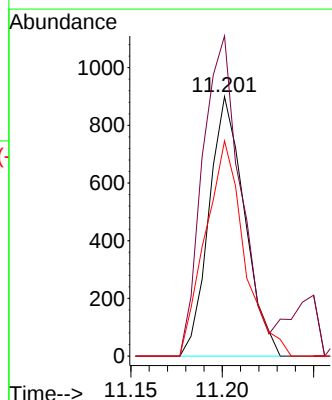
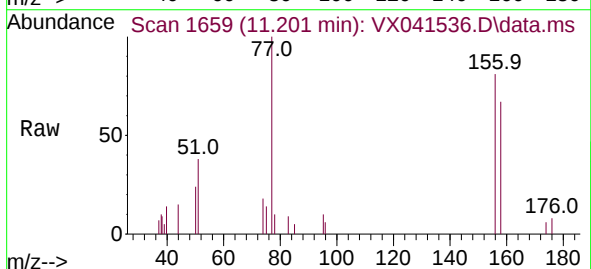
Tgt Ion: 156 Resp: 1218

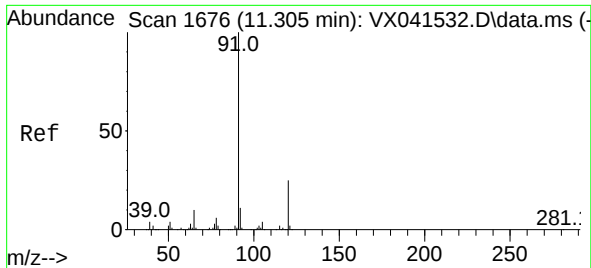
Ion Ratio Lower Upper

156 100

77 131.4 0.0 267.4

158 90.5 0.0 192.8

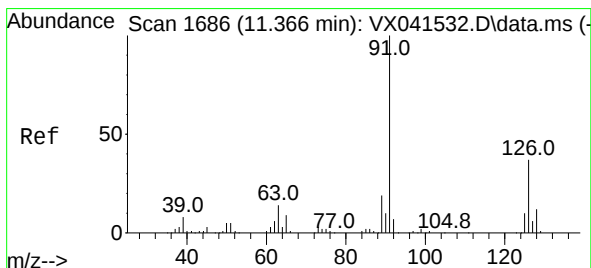
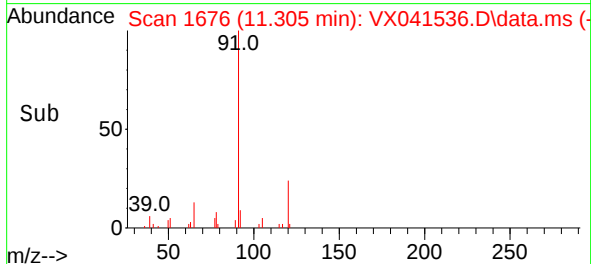
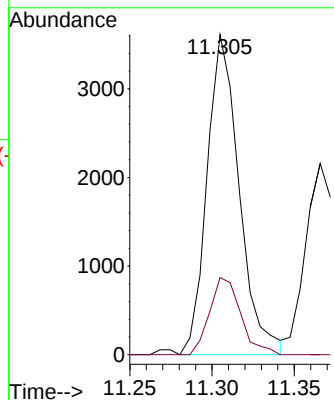
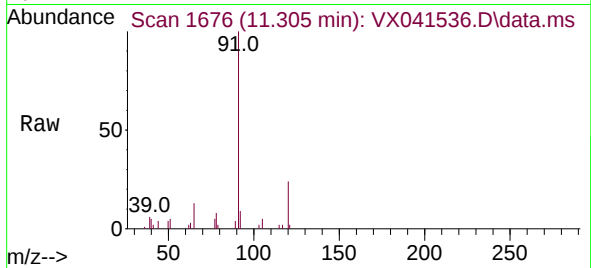




#74
n-propylbenzene
Concen: 0.553 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

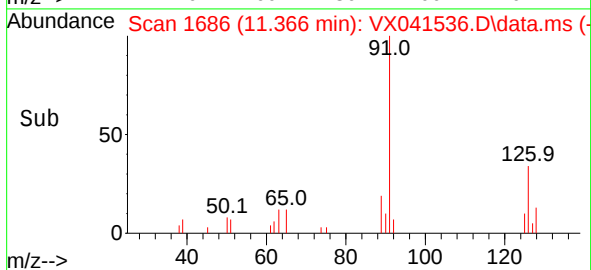
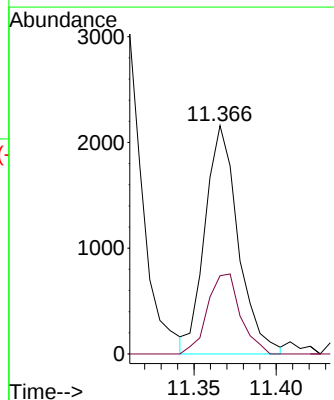
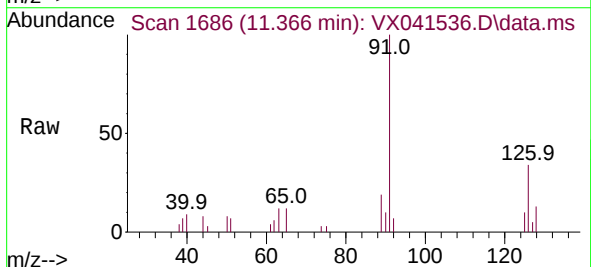
Instrument :
MSVOA_X
ClientSampleId :
IBLK

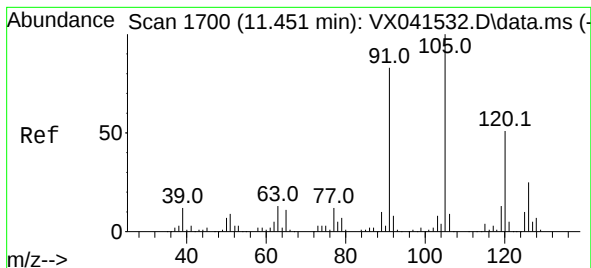
Tgt Ion: 91 Resp: 4913
Ion Ratio Lower Upper
91 100
120 23.3 0.0 48.4



#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# 1

Delta R.T. 0.000 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

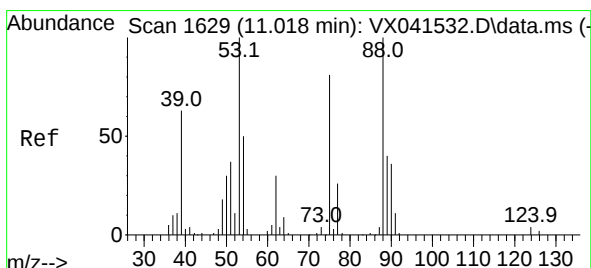
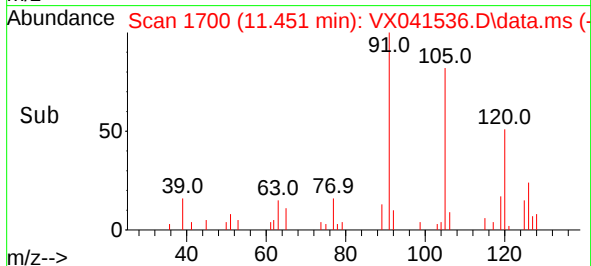
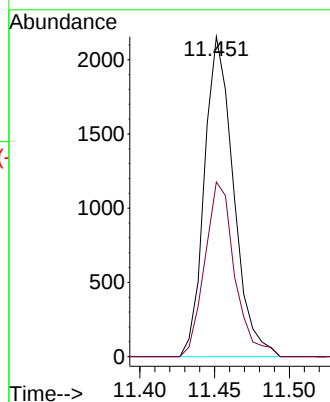
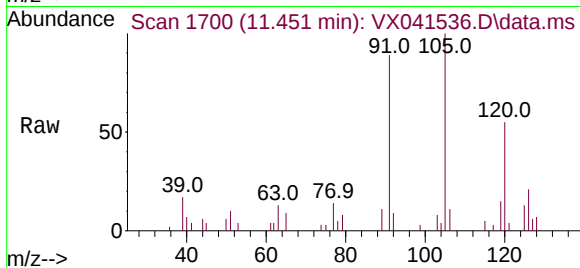
IBLK

Tgt Ion:105 Resp: 2916

Ion Ratio Lower Upper

105 100

120 56.0 0.0 102.6



#77

t-1,4-Dichloro-2-butene

Concen: 0.201 ug/l

RT: 11.024 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

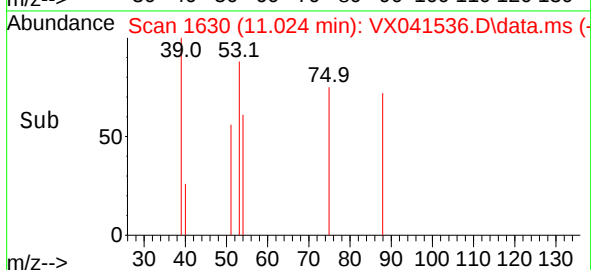
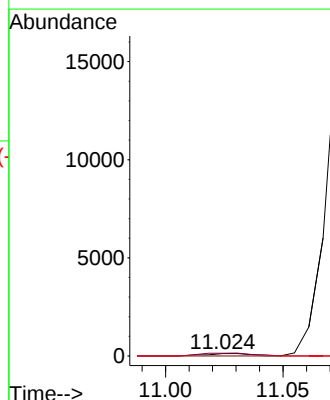
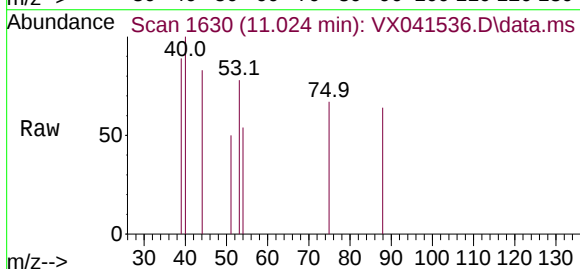
Tgt Ion: 75 Resp: 154

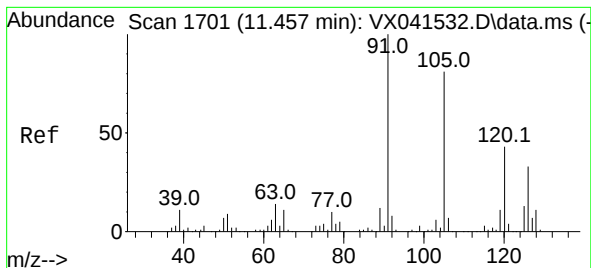
Ion Ratio Lower Upper

75 100

53 116.3 61.8 185.3

89 0.0 24.9 74.7#





#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

Instrument :

MSVOA_X

ClientSampleId :

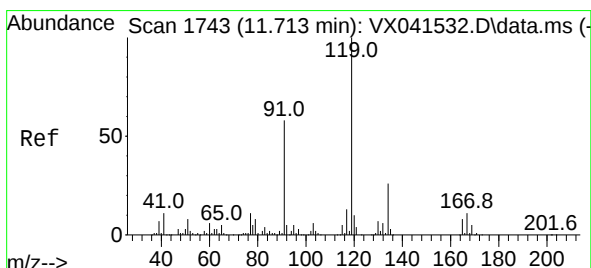
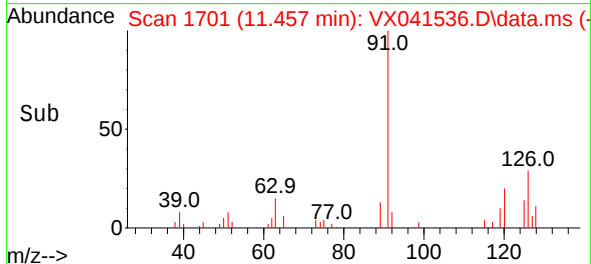
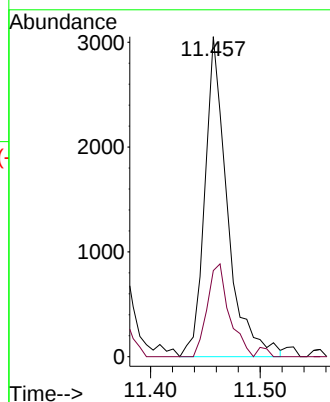
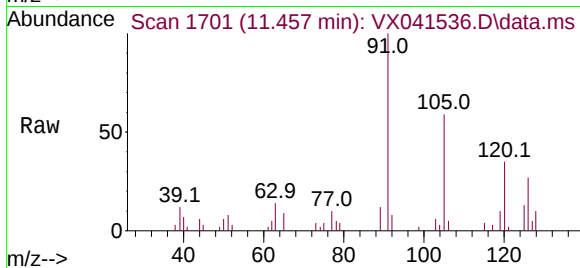
IBLK

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

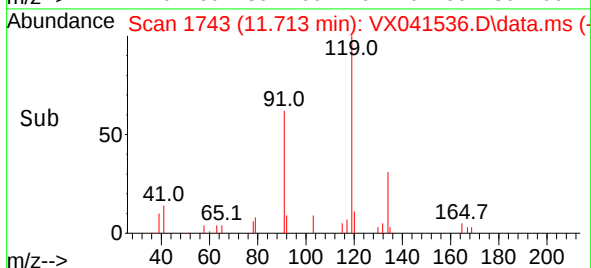
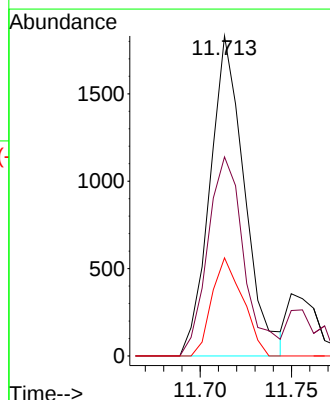
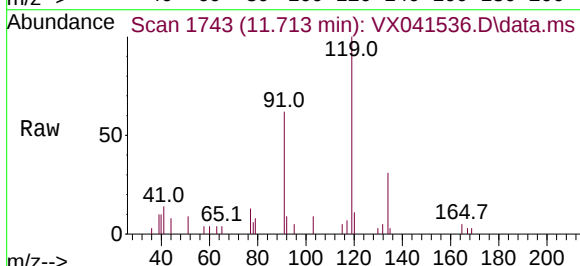
Tgt Ion: 119 Resp: 2413

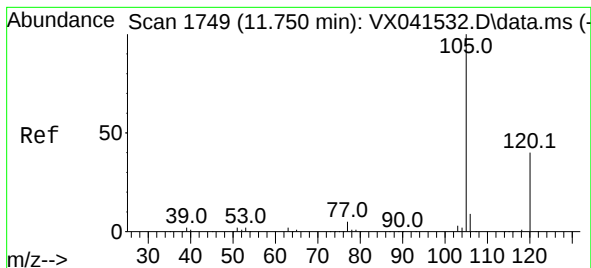
Ion Ratio Lower Upper

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

Instrument :

MSVOA_X

ClientSampleId :

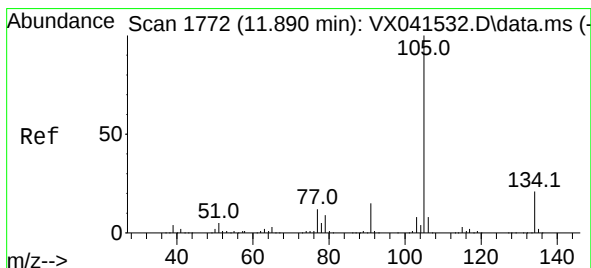
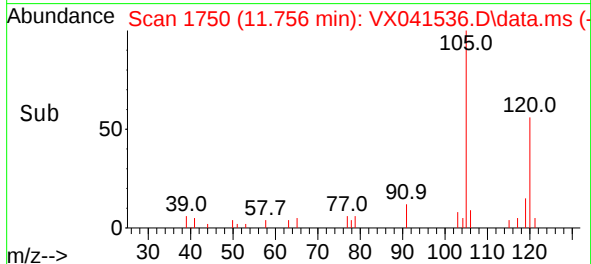
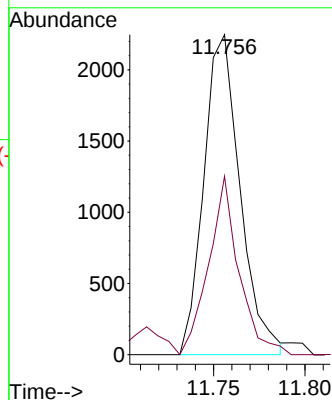
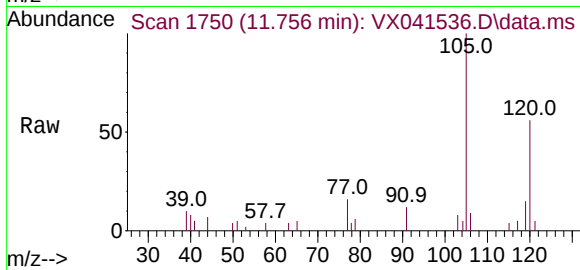
IBLK

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

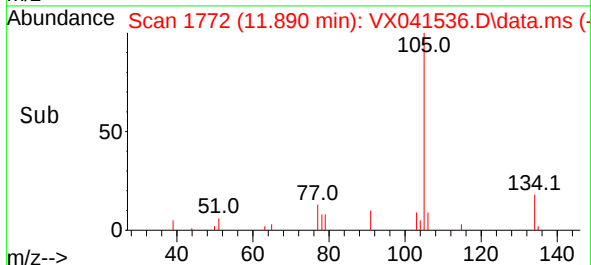
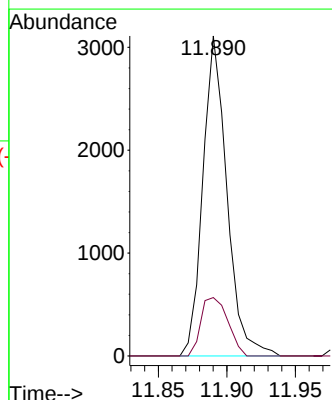
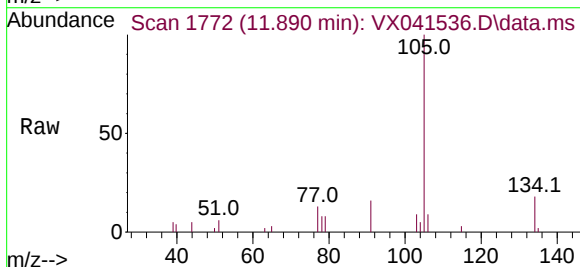
Acq: 15 May 2024 13:29

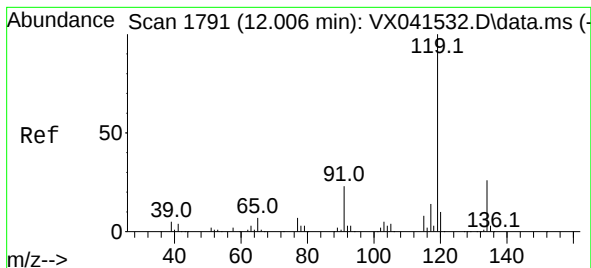
Tgt Ion:105 Resp: 3810

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# 1

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

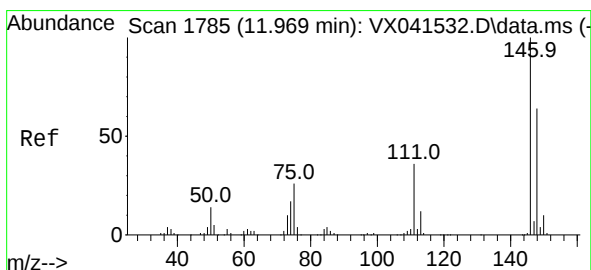
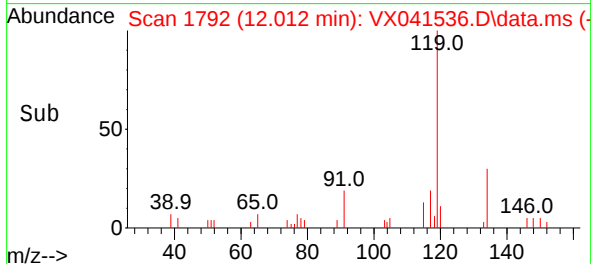
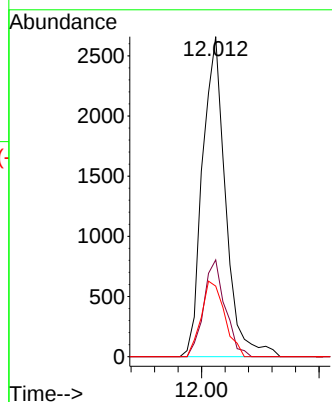
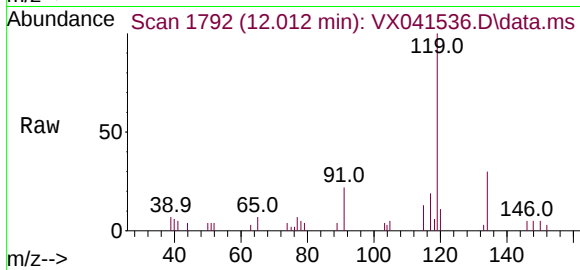
Tgt Ion:119 Resp: 3632

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

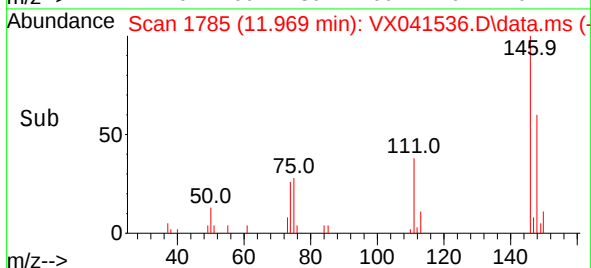
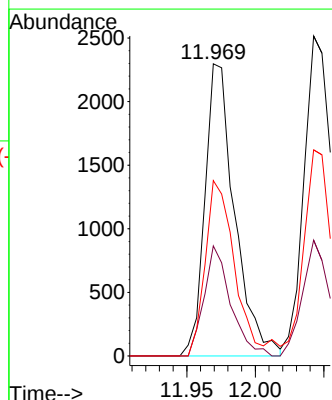
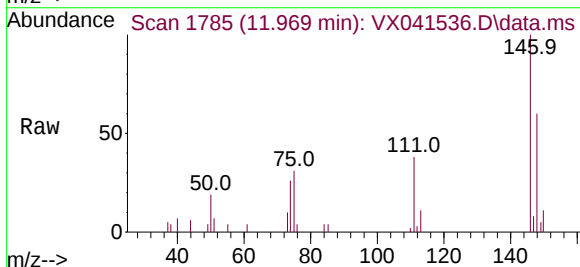
Tgt Ion:146 Resp: 3467

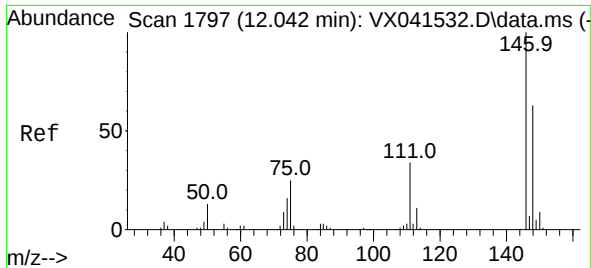
Ion Ratio Lower Upper

146 100

111 33.6 18.4 55.2

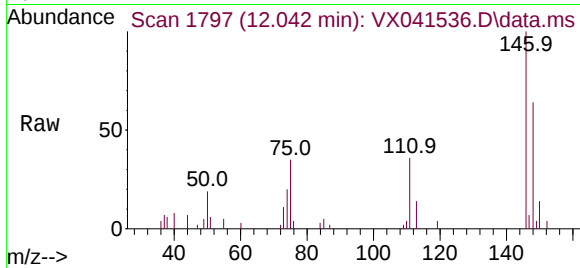
148 58.2 32.3 96.9



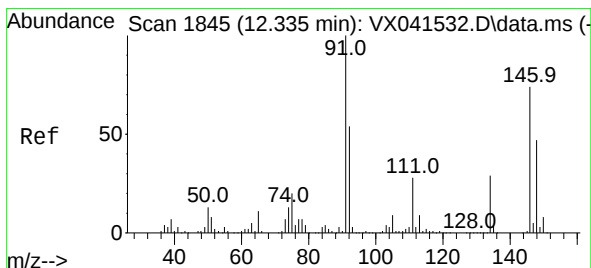
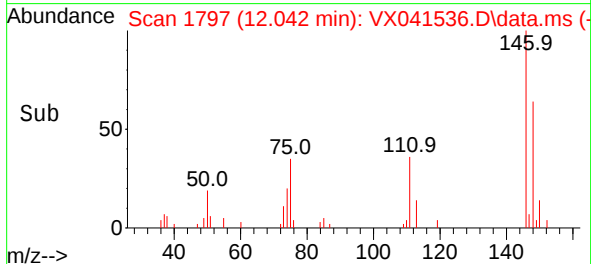
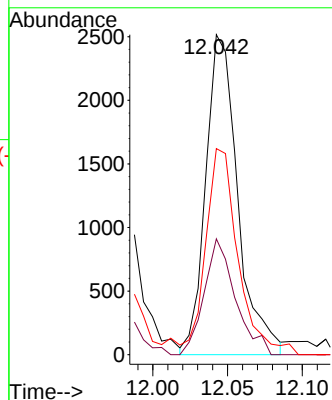


#84
1,4-Dichlorobenzene
Concen: 0.895 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX041536.D
Acq: 15 May 2024 13:29

Instrument :
MSVOA_X
ClientSampleId :
IBLK

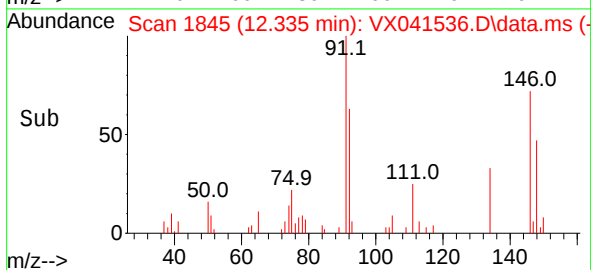
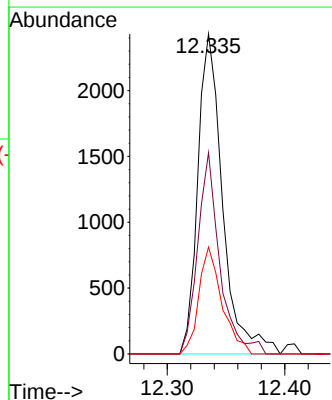
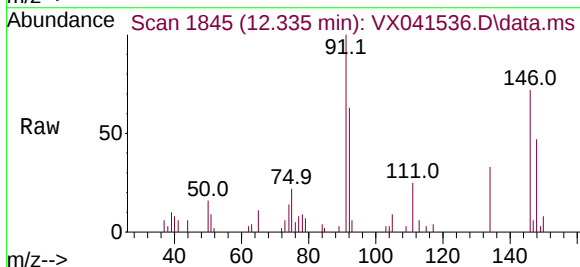


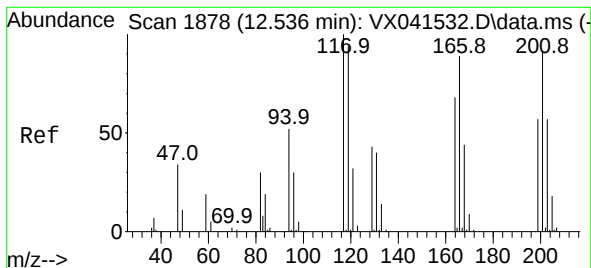
Tgt Ion:	146	Resp:	3758
Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.8	53.5
148	64.2	31.9	95.5



#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

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

Instrument :

MSVOA_X

ClientSampleId :

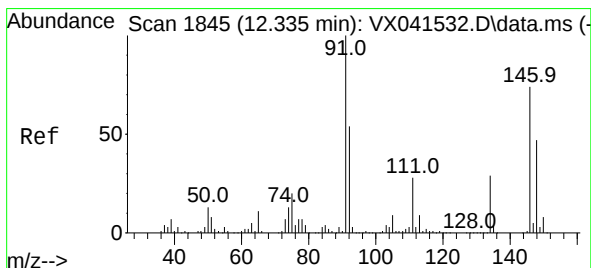
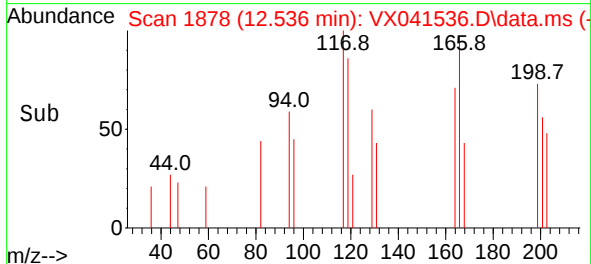
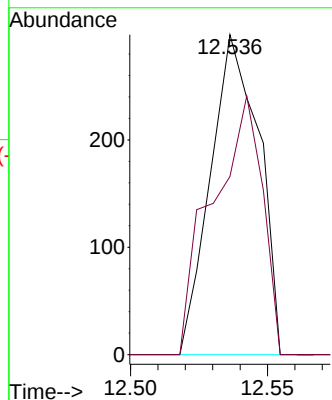
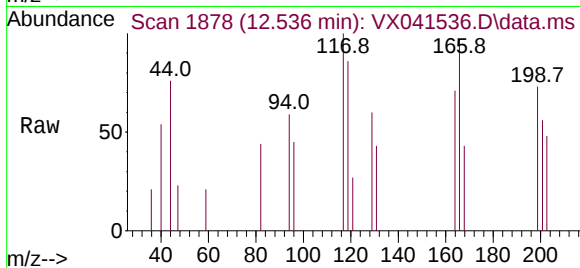
IBLK

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

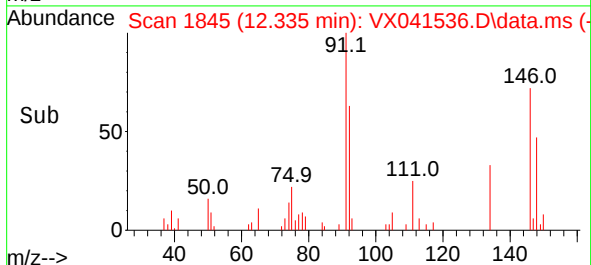
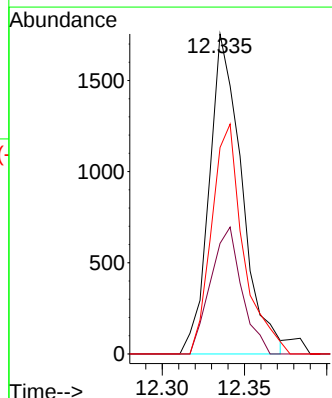
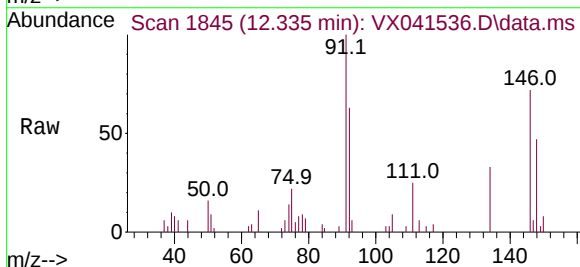
Tgt Ion:146 Resp: 2417

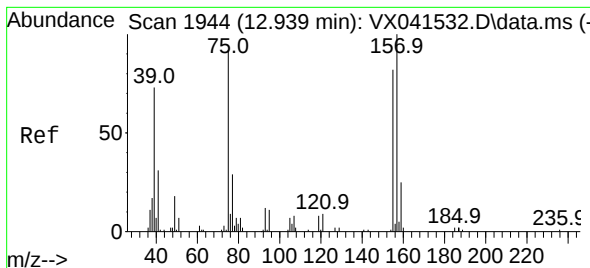
Ion Ratio Lower Upper

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# 1944

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

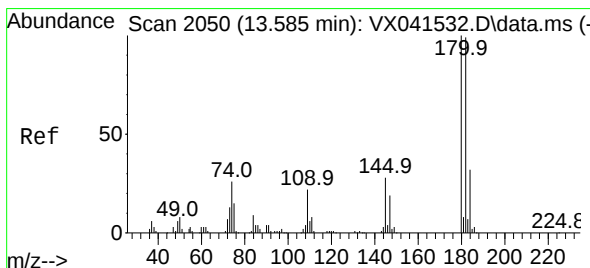
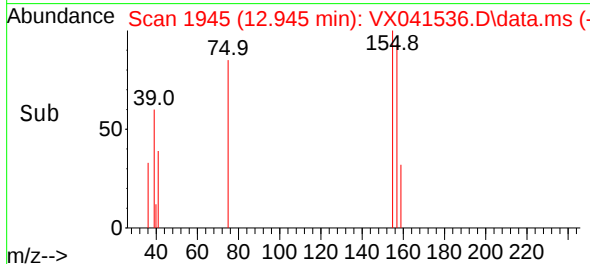
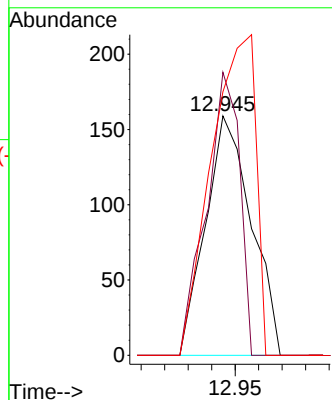
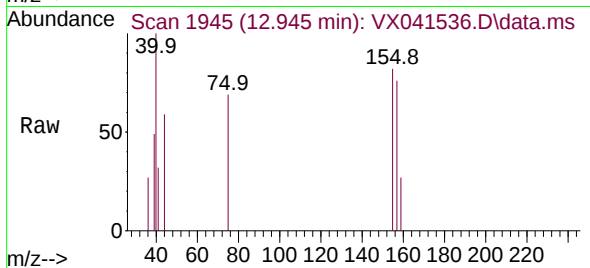
Tgt Ion: 75 Resp: 215

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# 2051

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

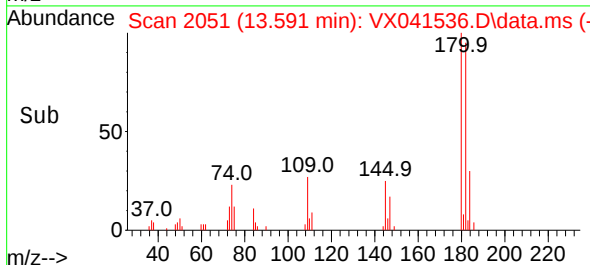
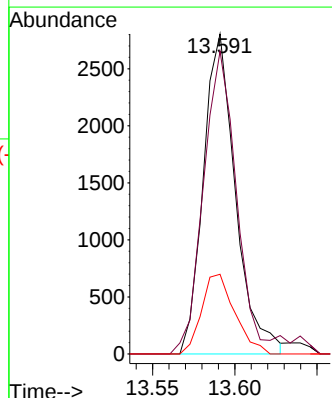
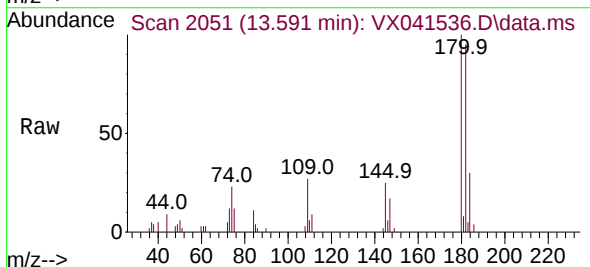
Tgt Ion: 180 Resp: 3825

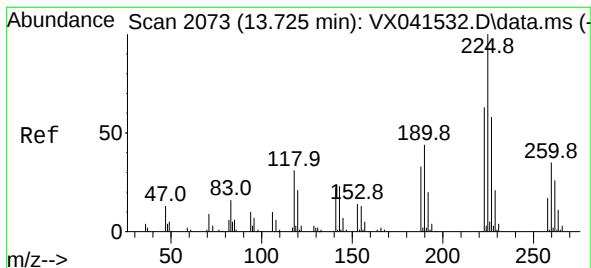
Ion Ratio Lower Upper

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

Instrument :

MSVOA_X

ClientSampleId :

IBLK

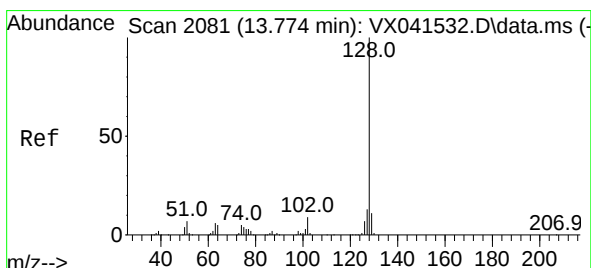
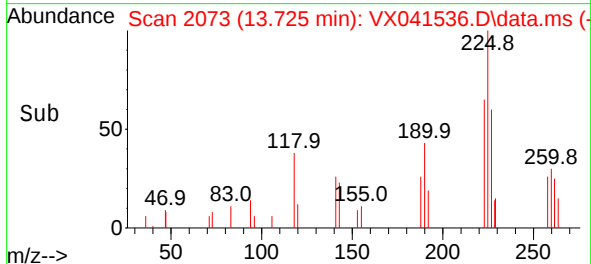
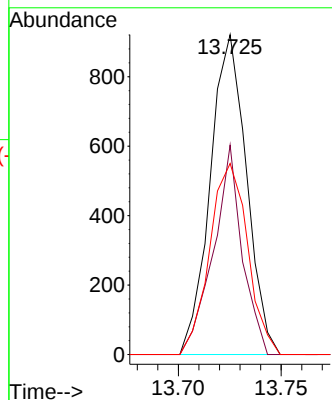
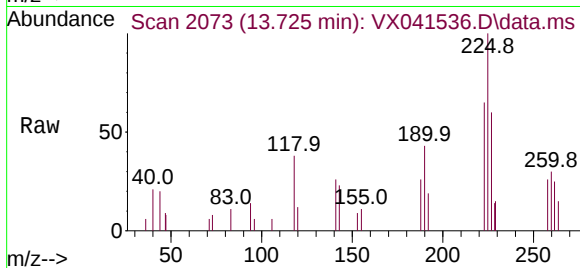
Tgt Ion:225 Resp: 1131

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# 2082

Delta R.T. 0.006 min

Lab File: VX041536.D

Acq: 15 May 2024 13:29

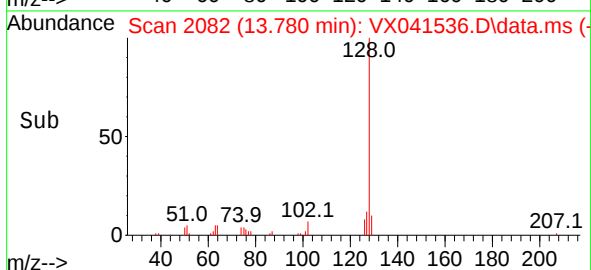
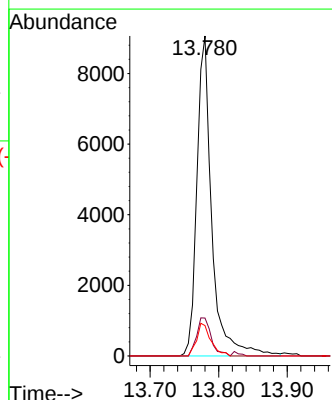
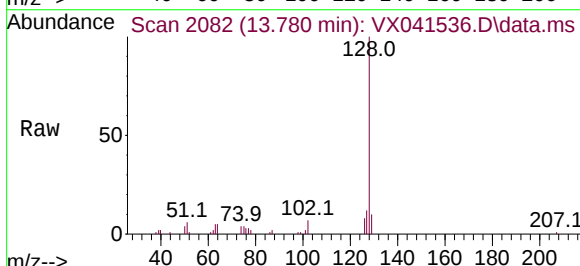
Tgt Ion:128 Resp: 13711

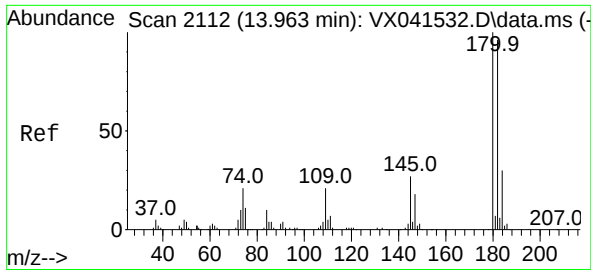
Ion Ratio Lower Upper

128 100

127 11.4 10.6 16.0

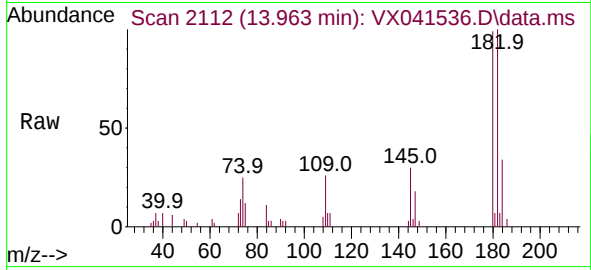
129 9.7 8.8 13.2





#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

Instrument :
MSVOA_X
ClientSampleId :
IBLK



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

