

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071924\
 Data File : VX042395.D
 Acq On : 19 Jul 2024 11:19
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 19 16:06:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	28790	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	169860	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147492	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63139	30.617	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.067%	
60) 4-Bromofluorobenzene	11.079	95	62933	27.424	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 91.400%	
63) Toluene-d8	8.647	98	197655	30.849	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.833%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	975	0.565	ug/l	85
3) Chloromethane	1.294	50	901	0.499	ug/l	93
4) Vinyl Chloride	1.374	62	659	0.368	ug/l #	68
5) Bromomethane	1.599	94	880	0.978	ug/l	82
7) Trichlorofluoromethane	1.867	101	988	0.441	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	942	0.539	ug/l	98
10) 1,1-Dichloroethene	2.312	96	836	0.498	ug/l	96
11) Methyl Iodide	2.447	142	1097	0.578	ug/l	81
12) Methyl Acetate	2.709	43	841	0.305	ug/l	90
13) Acrolein	2.239	56	922	2.660	ug/l	98
14) Acrylonitrile	3.081	53	1624	1.567	ug/l	90
15) Acetone	2.392	58	587	1.905	ug/l	89
16) Carbon Disulfide	2.501	76	6360	1.917	ug/l	96
17) Allyl chloride	2.666	41	948	0.355	ug/l	86
18) Methylene Chloride	2.794	84	1093	0.570	ug/l #	90
19) trans-1,2-Dichloroethene	3.087	96	1655	0.976	ug/l	88
22) cis-1,2-Dichloroethene	4.495	96	864	0.407	ug/l #	86
23) tert-Butyl Alcohol	2.989	59	979	2.479	ug/l #	100
26) Cyclohexane	5.470	56	1092	0.413	ug/l #	84
29) 1,1-Dichloropropene	5.702	75	891	0.402	ug/l	84
30) 2-Butanone	4.611	43	653	0.442	ug/l #	85
33) Carbon Tetrachloride	5.684	117	529	0.212	ug/l #	60
37) Trichloroethene	7.135	130	942	0.482	ug/l	85
38) Methylcyclohexane	7.379	83	1308	0.459	ug/l	96
40) Dibromomethane	7.592	93	537	0.416	ug/l	60
42) Vinyl Acetate	3.745	43	1139	0.238	ug/l	100
43) Ethyl Acetate	4.611	43	653	0.249	ug/l	98
45) 1,4-Dioxane	7.696	88	460	9.959	ug/l #	81
48) t-1,3-Dichloropropene	8.994	75	827	0.343	ug/l #	81
49) cis-1,3-Dichloropropene	8.385	75	702	0.259	ug/l #	80
54) 1,2-Dibromoethane	9.622	107	509	0.259	ug/l	89
55) 2-Chloroethyl vinyl ether	8.257	63	2226	1.552	ug/l #	92
58) 4-Methyl-2-Pentanone	8.586	43	1376	0.529	ug/l	93
59) 2-Hexanone	9.451	43	1633	0.802	ug/l #	92
61) Tetrachloroethene	9.275	164	1403	0.784	ug/l #	89
62) Toluene	8.726	91	2561	0.347	ug/l	99
64) Chlorobenzene	10.079	112	2520	0.506	ug/l	91
66) Ethyl Benzene	10.195	91	3574	0.445	ug/l #	88
67) m/p-Xylenes	10.305	106	2773	0.863	ug/l	94

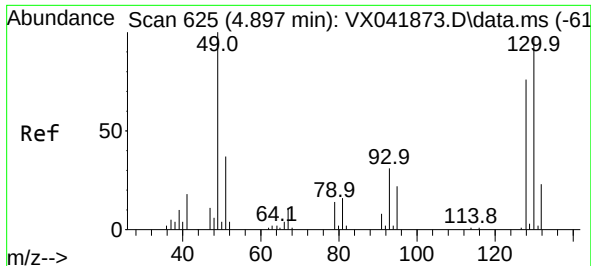
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071924\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) o-Xylene	10.646	106	1156	0.362	ug/l	89
69) Styrene	10.665	104	1981	0.368	ug/l	97
70) Isopropylbenzene	10.963	105	2758	0.338	ug/l	95
72) 1,2,3-Trichloropropane	11.244	75	545	0.245	ug/l	46
73) Bromobenzene	11.201	156	1200	0.515	ug/l	94
74) n-propylbenzene	11.311	91	4216	0.468	ug/l	92
75) 2-Chlorotoluene	11.366	91	2829	0.500	ug/l	95
76) 1,3,5-Trimethylbenzene	11.451	105	2749	0.404	ug/l	95
78) 4-Chlorotoluene	11.463	91	3849	0.610	ug/l	99
79) tert-butylbenzene	11.713	119	2426	0.334	ug/l	94
80) 1,2,4-Trimethylbenzene	11.756	105	2836	0.414	ug/l	99
81) sec-Butylbenzene	11.890	105	3474	0.404	ug/l	97
82) p-Isopropyltoluene	12.012	119	3290	0.442	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	3258	0.779	ug/l	97
84) 1,4-Dichlorobenzene	12.049	146	3698	0.890	ug/l	96
85) n-Butylbenzene	12.335	91	3475	0.594	ug/l	93
86) Hexachloroethane	12.536	117	366	0.289	ug/l	71
87) 1,2-Dichlorobenzene	12.341	146	2554	0.604	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	216	0.376	ug/l #	78
89) 1,2,4-Trichlorobenzene	13.591	180	4010	1.400	ug/l	98
90) Hexachlorobutadiene	13.725	225	1220	0.859	ug/l	98
91) Naphthalene	13.774	128	14568	1.706	ug/l	97
92) 1,2,3-Trichlorobenzene	13.963	180	4596	1.558	ug/l	96

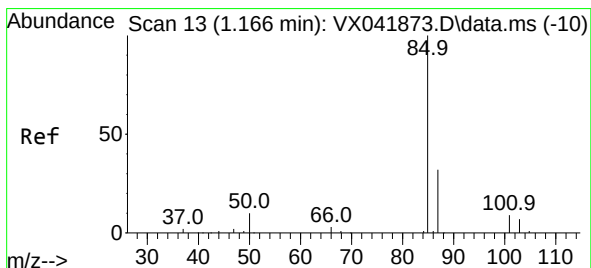
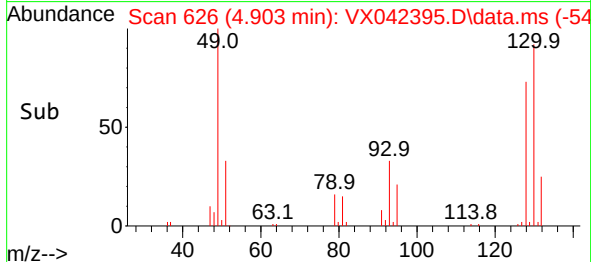
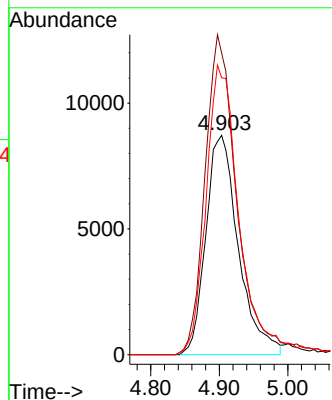
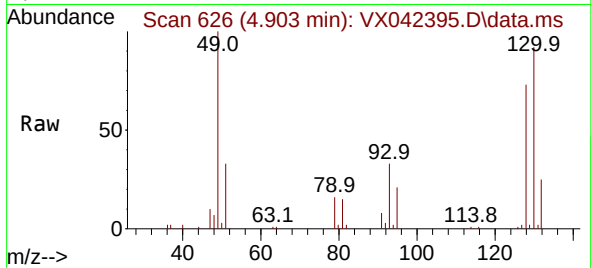
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.903 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

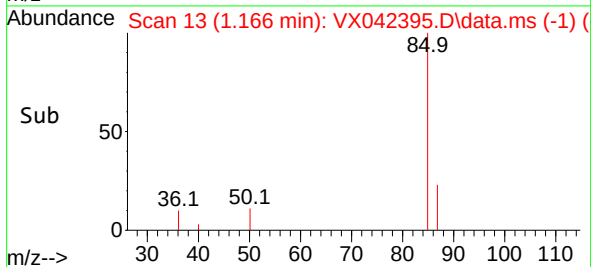
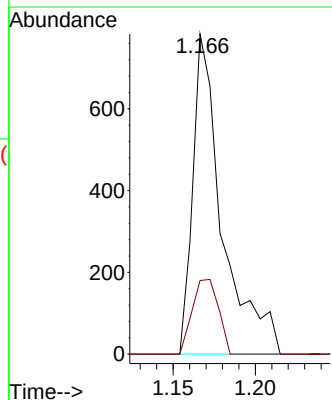
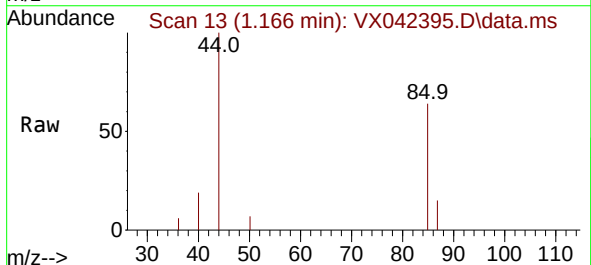
Instrument :
 MSVOA_X
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 IBLK

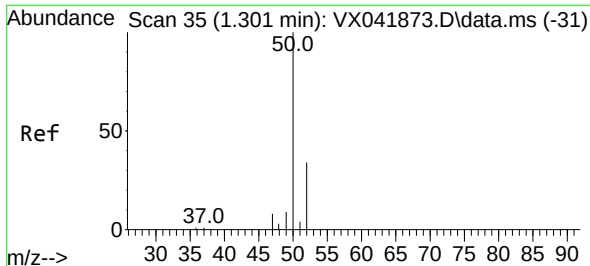
Tgt Ion:128 Resp: 28790
 Ion Ratio Lower Upper
 128 100
 49 142.9 0.0 338.5
 130 131.6 0.0 324.5



#2
 Dichlorodifluoromethane
 Concen: 0.565 ug/l
 RT: 1.166 min Scan# 13
 Delta R.T. -0.000 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

Tgt Ion: 85 Resp: 975
 Ion Ratio Lower Upper
 85 100
 87 23.0 15.8 47.3

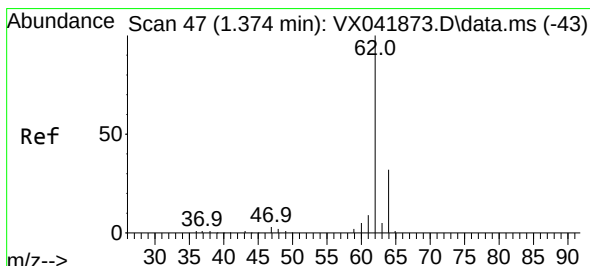
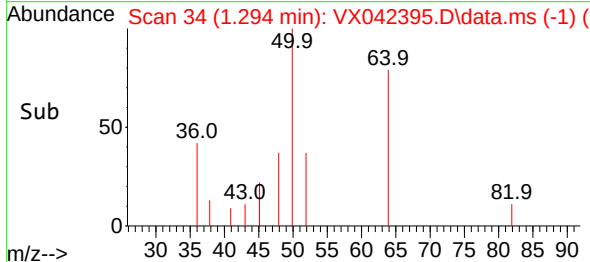
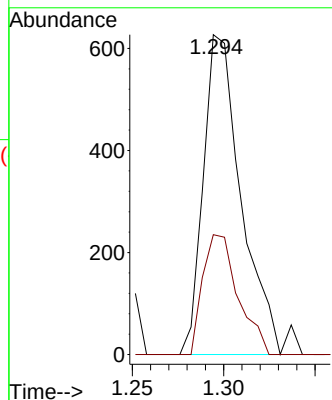
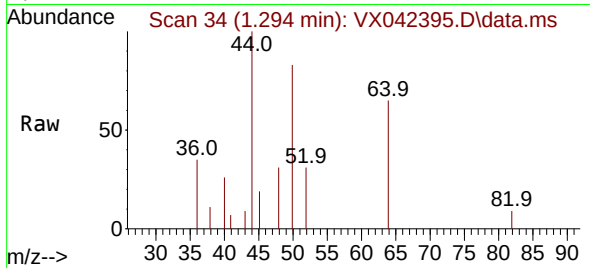




#3
Chloromethane
Concen: 0.499 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

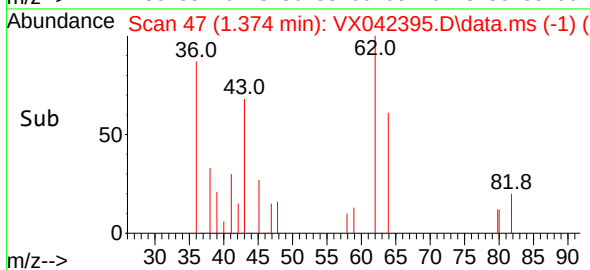
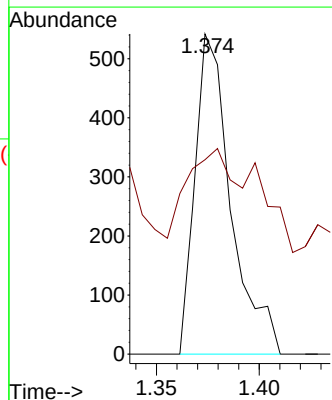
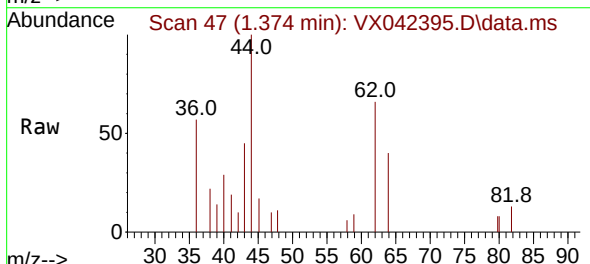
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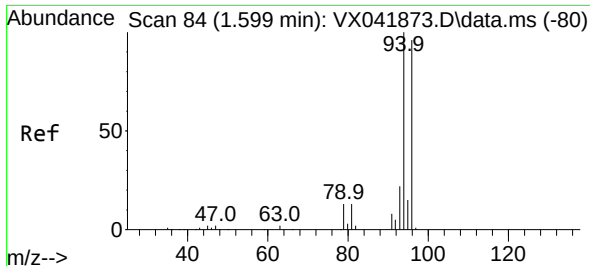
Tgt Ion: 50 Resp: 901
Ion Ratio Lower Upper
50 100
52 37.5 26.9 40.3



#4
Vinyl Chloride
Concen: 0.368 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 62 Resp: 659
Ion Ratio Lower Upper
62 100
64 14.8 26.1 39.1#

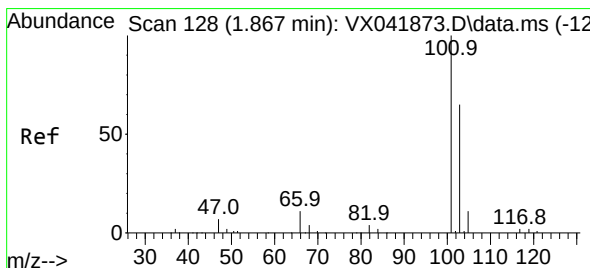
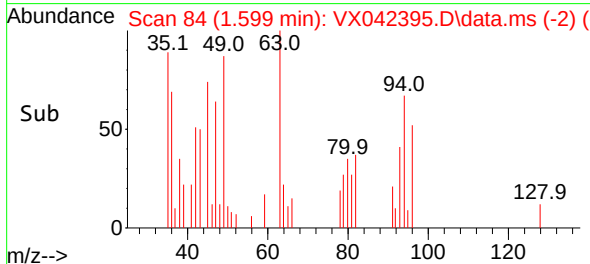
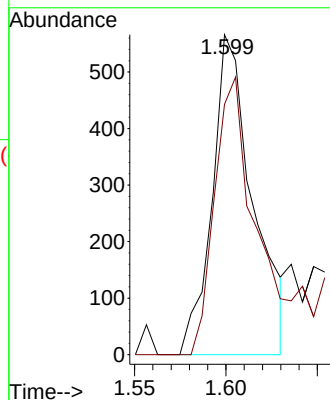
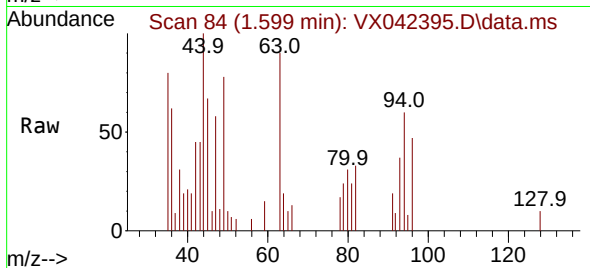




#5
Bromomethane
Concen: 0.978 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

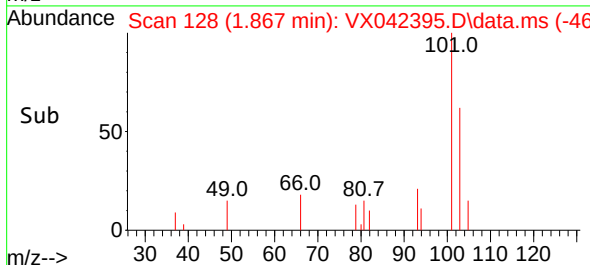
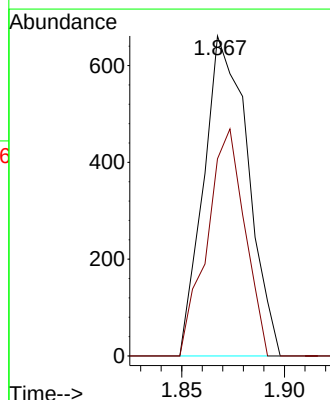
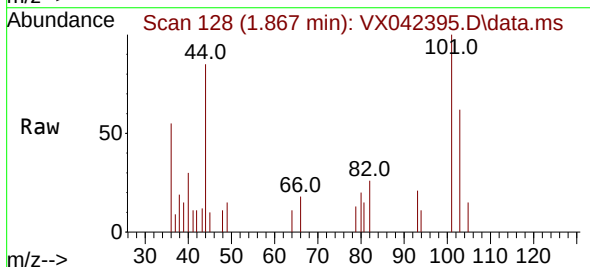
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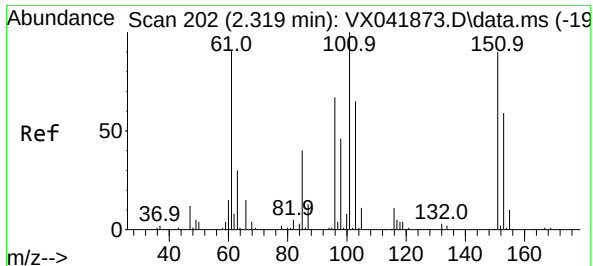
Tgt Ion: 94 Resp: 880
Ion Ratio Lower Upper
94 100
96 78.3 76.6 115.0



#7
Trichlorofluoromethane
Concen: 0.441 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 101 Resp: 988
Ion Ratio Lower Upper
101 100
103 61.6 51.8 77.8

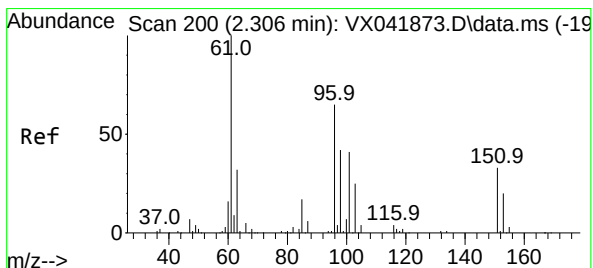
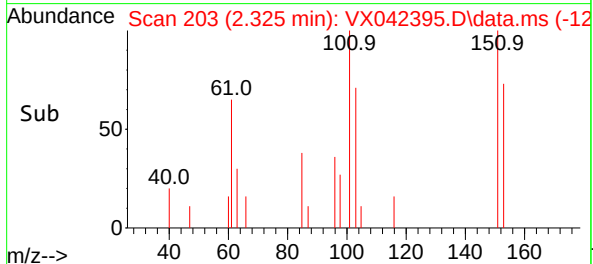
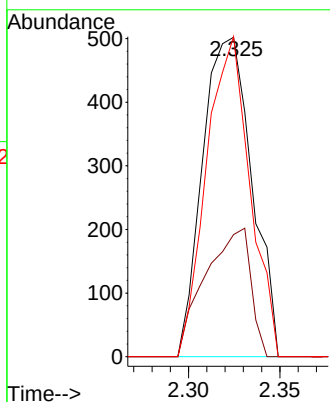
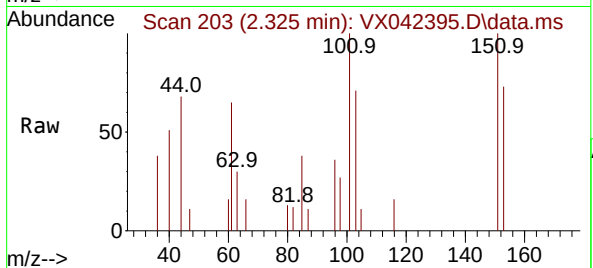




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.539 ug/l
 RT: 2.325 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

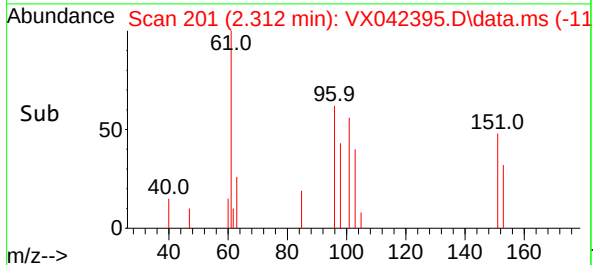
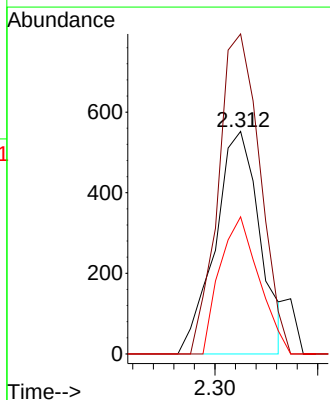
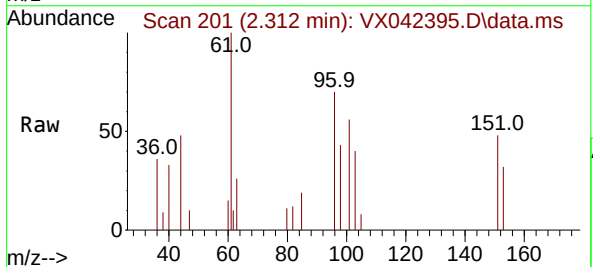
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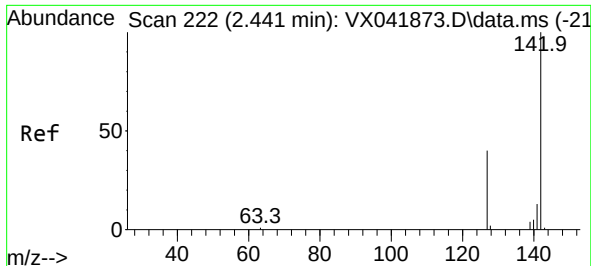
Tgt Ion:101 Resp: 942
 Ion Ratio Lower Upper
 101 100
 85 36.9 0.0 80.4
 151 88.2 0.0 175.2



#10
 1,1-Dichloroethene
 Concen: 0.498 ug/l
 RT: 2.312 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

Tgt Ion: 96 Resp: 836
 Ion Ratio Lower Upper
 96 100
 61 158.0 122.3 183.5
 98 61.6 51.5 77.3

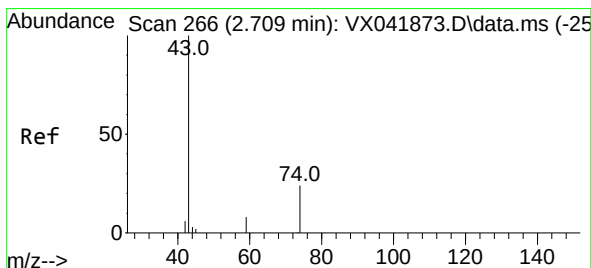
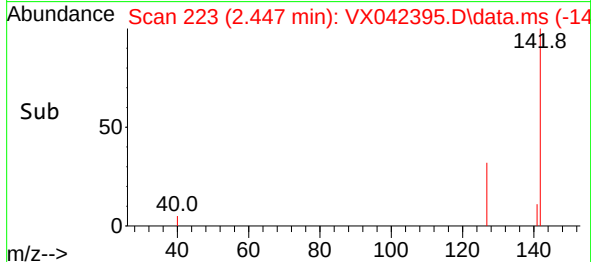
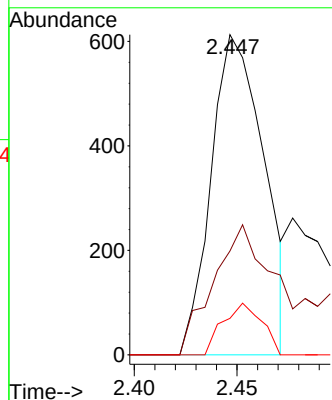
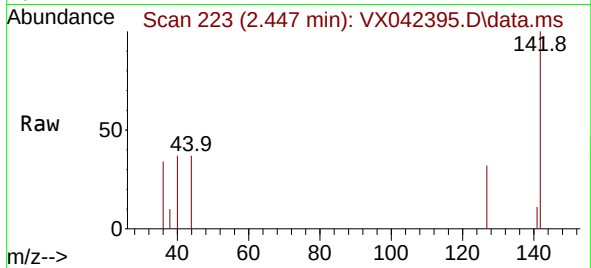




#11
Methyl Iodide
Concen: 0.578 ug/l
RT: 2.447 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

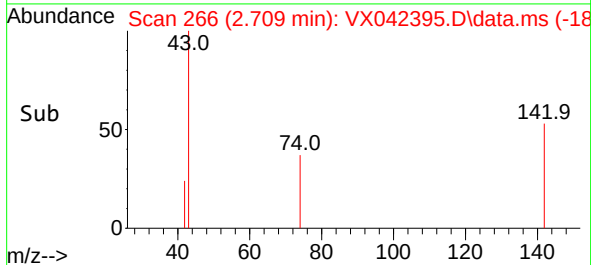
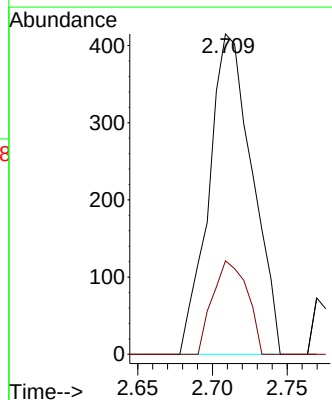
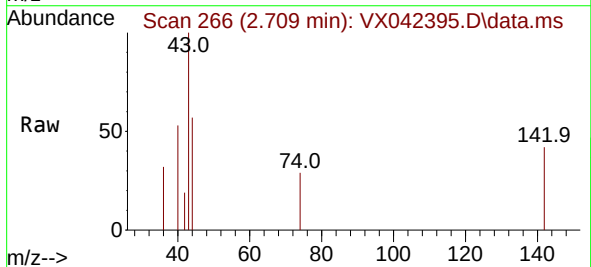
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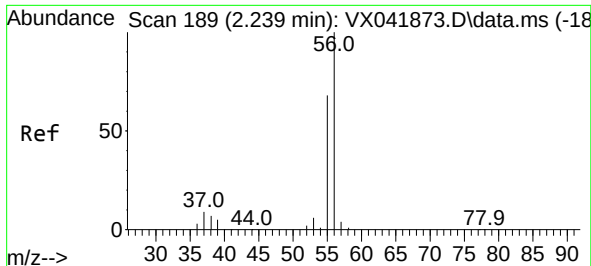
Tgt Ion:142 Resp: 1097
Ion Ratio Lower Upper
142 100
127 24.3 19.8 59.3
141 13.9 6.7 20.1



#12
Methyl Acetate
Concen: 0.305 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
74 29.2 19.4 29.2

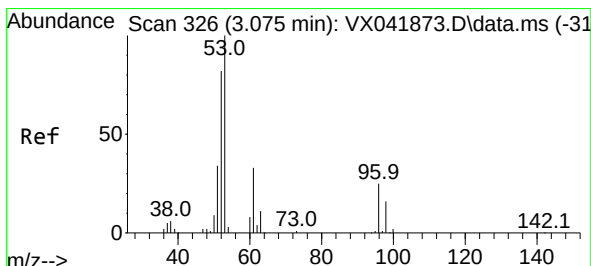
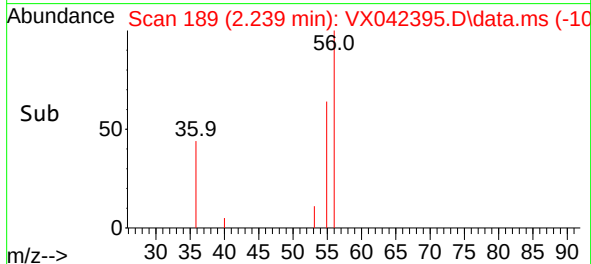
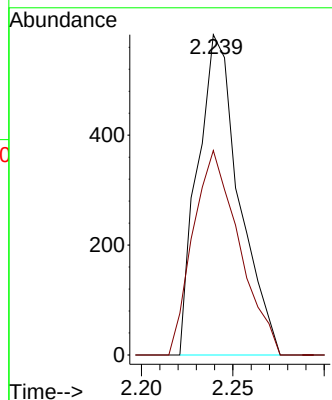
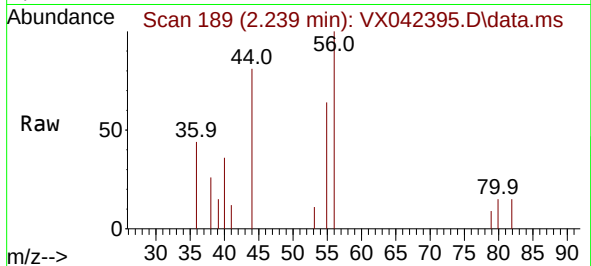




#13
Acrolein
Concen: 2.660 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

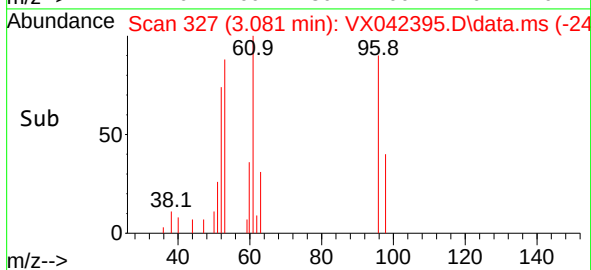
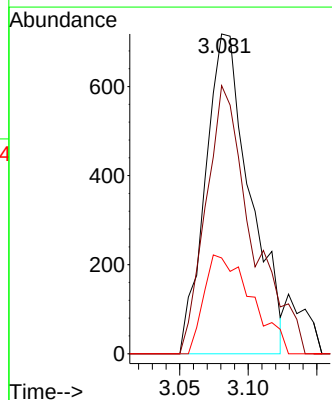
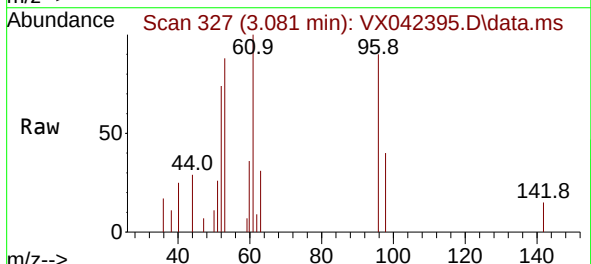
Instrument :
MSVOA_X
ClientSampleId :
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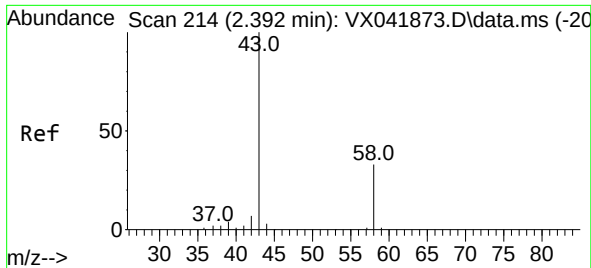
Tgt Ion: 56 Resp: 922
Ion Ratio Lower Upper
56 100
55 70.8 55.4 83.0



#14
Acrylonitrile
Concen: 1.567 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 53 Resp: 1624
Ion Ratio Lower Upper
53 100
52 70.4 39.9 119.7
51 30.1 17.4 52.3

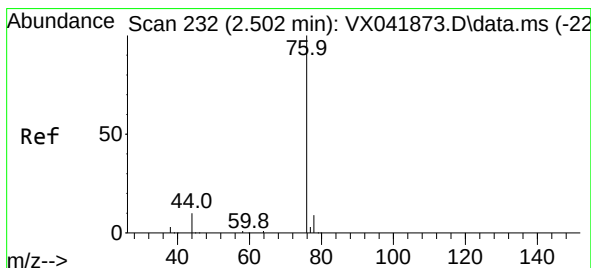
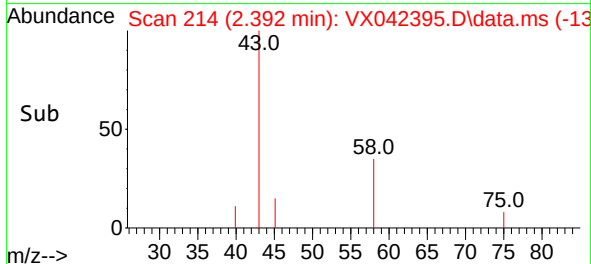
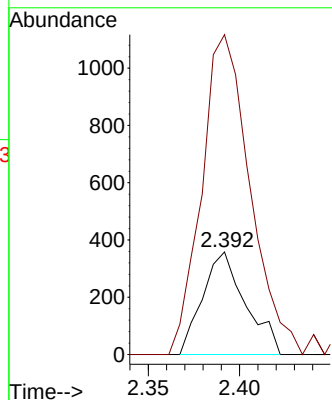
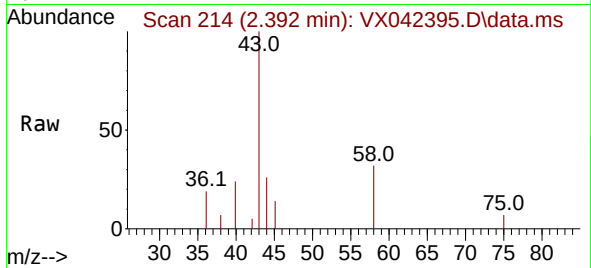




#15
Acetone
Concen: 1.905 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

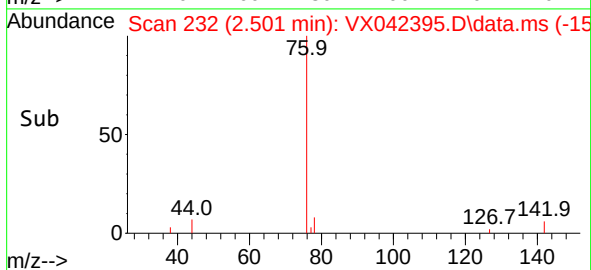
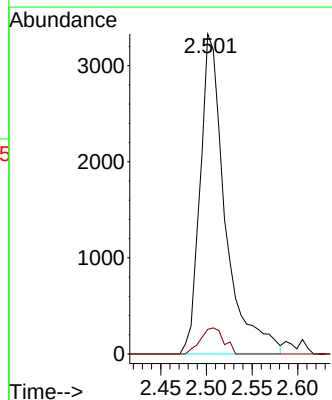
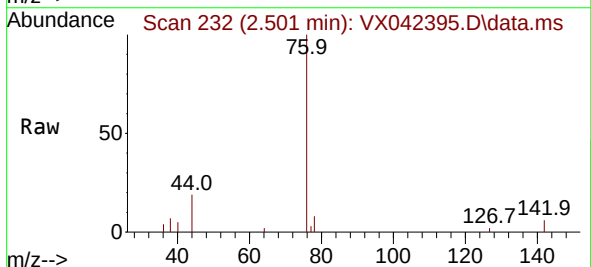
Instrument : MSVOA_X
ClientSampleId : IBLK

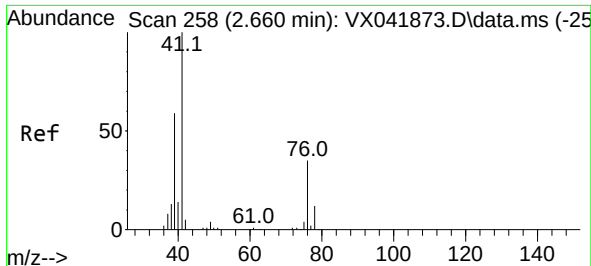
Tgt Ion: 58 Resp: 587
Ion Ratio Lower Upper
58 100
43 282.4 243.4 365.2



#16
Carbon Disulfide
Concen: 1.917 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 76 Resp: 6360
Ion Ratio Lower Upper
76 100
78 7.7 7.3 10.9





#17

Allyl chloride

Concen: 0.355 ug/l

RT: 2.666 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

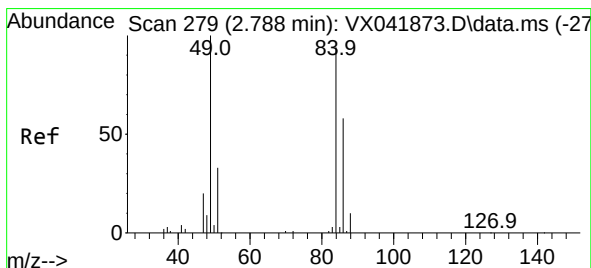
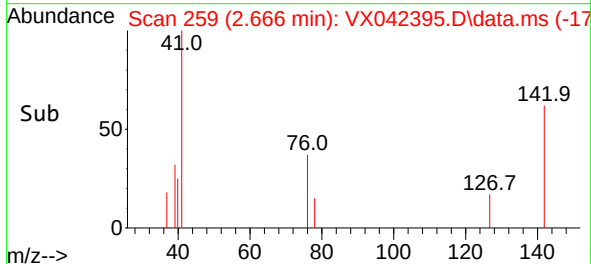
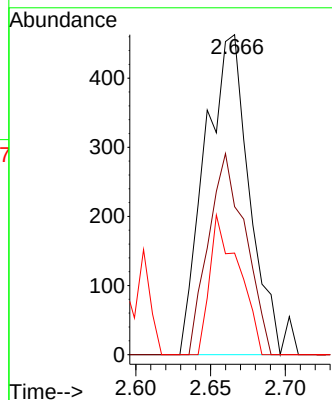
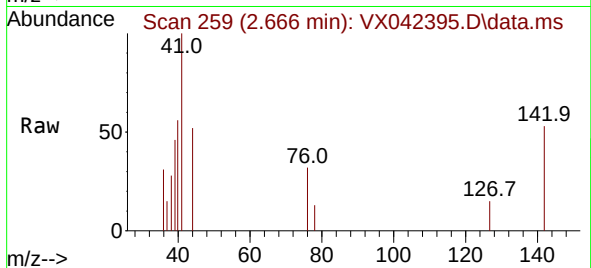
Tgt Ion: 41 Resp: 948

Ion Ratio Lower Upper

41 100

39 46.2 29.6 88.8

76 31.7 18.1 54.4



#18

Methylene Chloride

Concen: 0.570 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Tgt Ion: 84 Resp: 1093

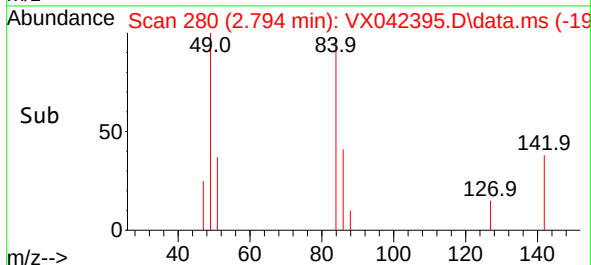
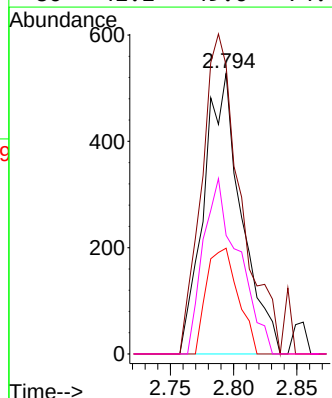
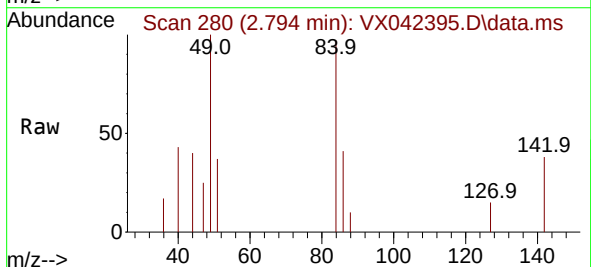
Ion Ratio Lower Upper

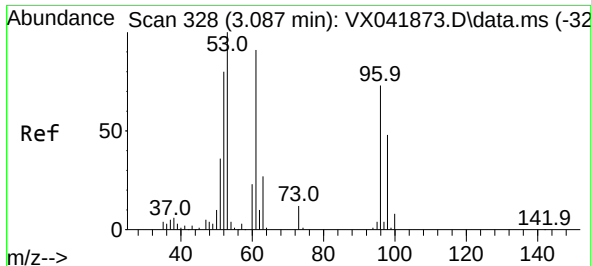
84 100

49 102.8 85.3 127.9

51 37.7 28.5 42.7

86 42.2 49.6 74.4

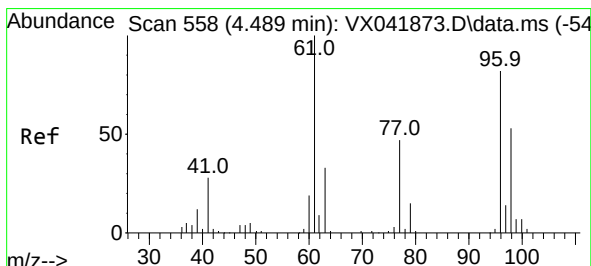
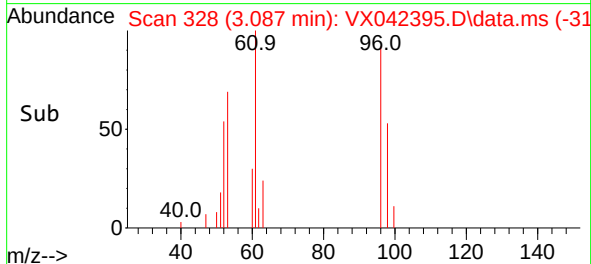
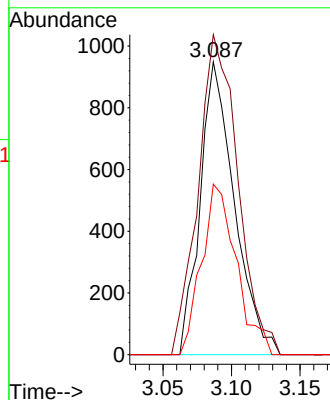
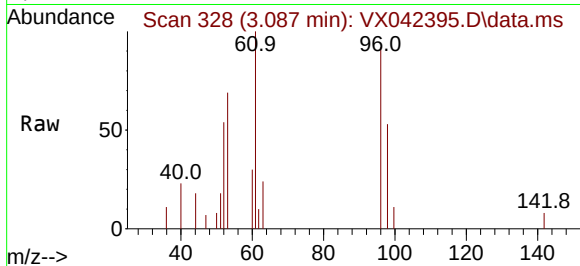




#19
trans-1,2-Dichloroethene
Concen: 0.976 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

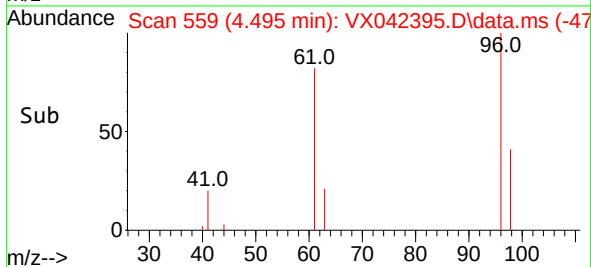
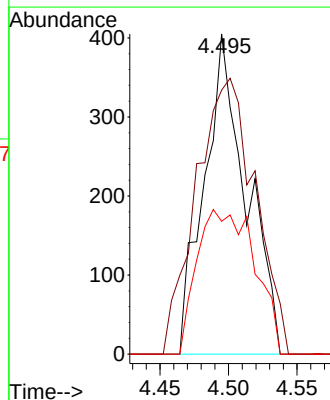
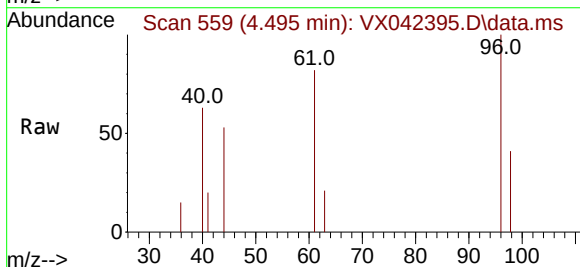
Instrument :
MSVOA_X
ClientSampleId :
IBLK

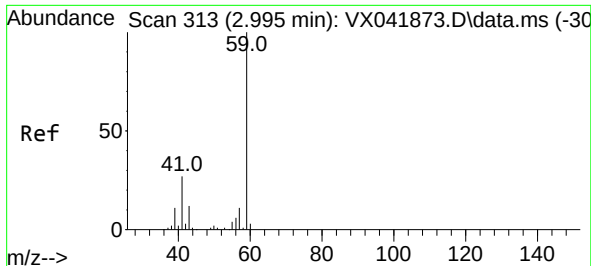
Tgt Ion: 96 Resp: 1655
Ion Ratio Lower Upper
96 100
61 109.3 100.1 150.1
98 58.3 52.1 78.1



#22
cis-1,2-Dichloroethene
Concen: 0.407 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 96 Resp: 864
Ion Ratio Lower Upper
96 100
61 120.6 103.3 154.9
98 43.5 52.2 78.2#

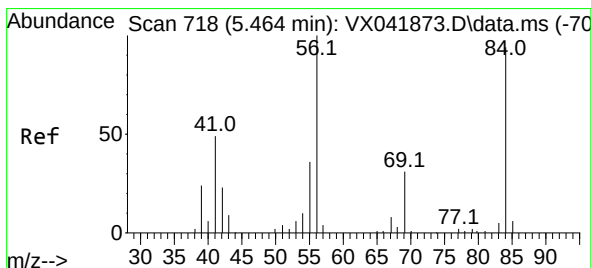
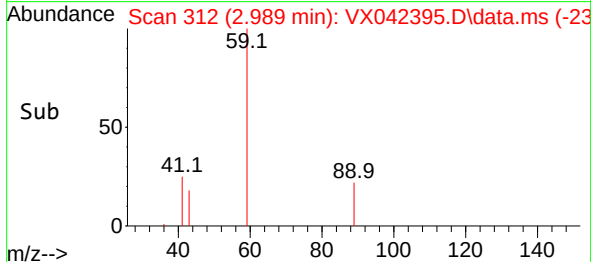
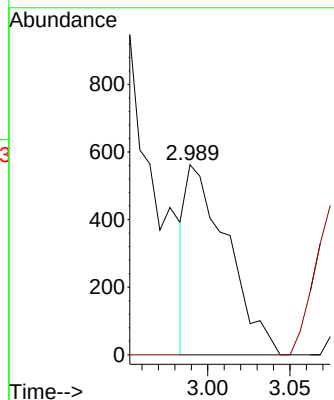
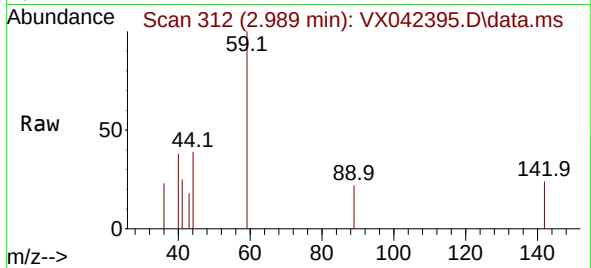




#23
tert-Butyl Alcohol
Concen: 2.479 ug/l
RT: 2.989 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

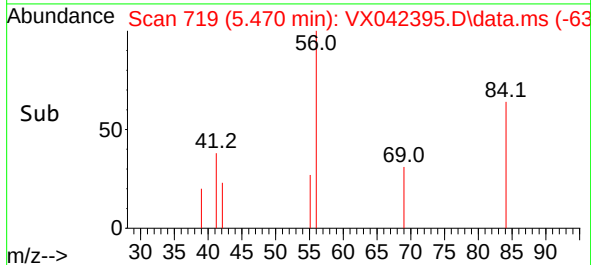
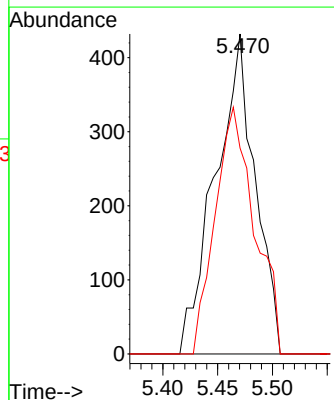
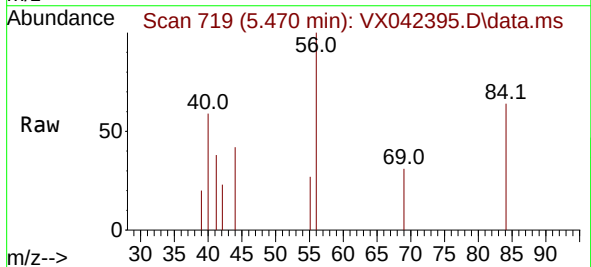
Instrument :
MSVOA_X
ClientSampleId :
IBLK

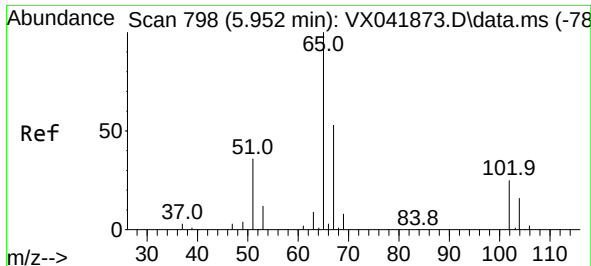
Tgt Ion: 59 Resp: 979
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#26
Cyclohexane
Concen: 0.413 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 56 Resp: 1092
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.2 73.1 109.7

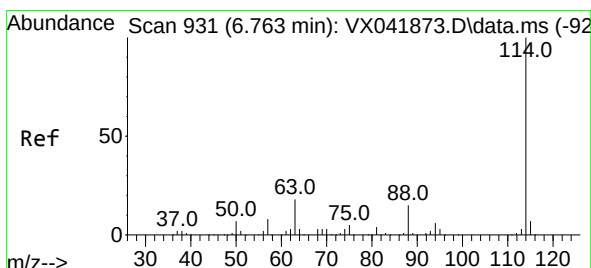
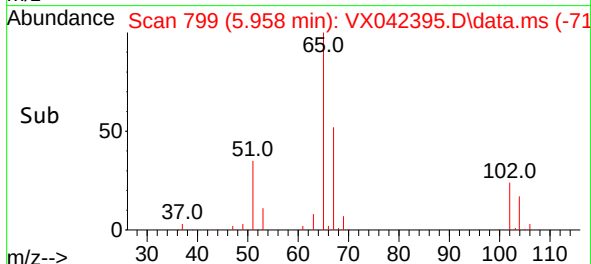
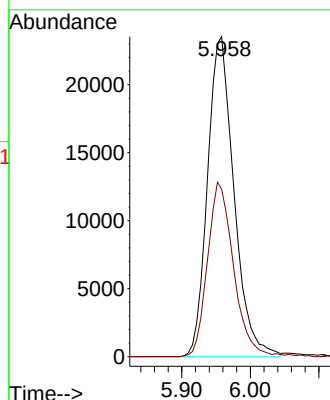
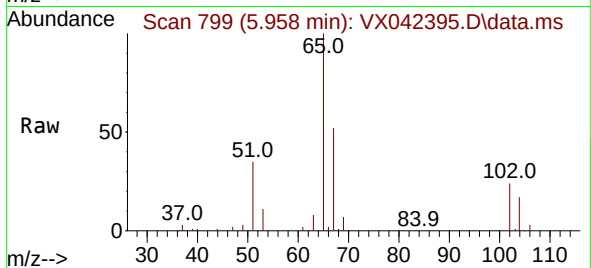




#27
1,2-Dichloroethane-d4
Concen: 30.617 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

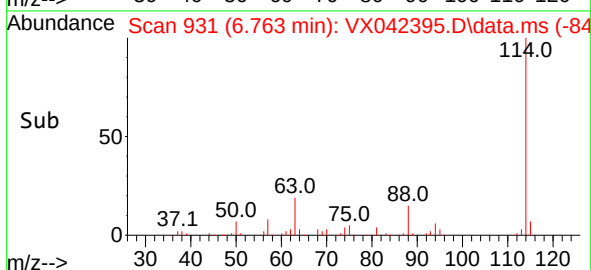
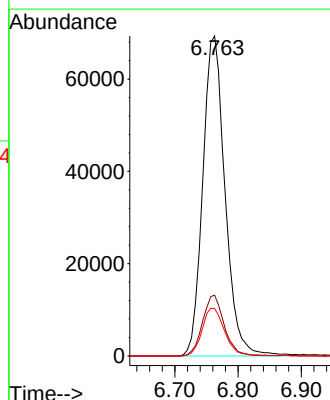
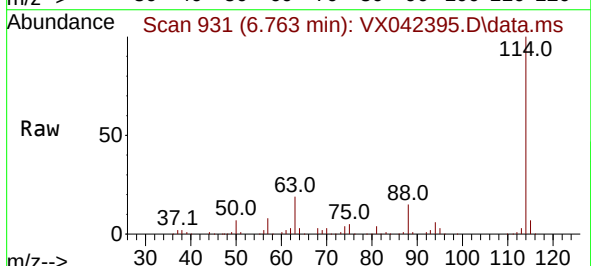
Instrument :
MSVOA_X
ClientSampleId :
IBLK

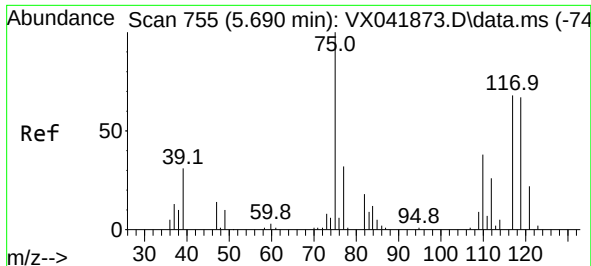
Tgt Ion: 65 Resp: 63139
Ion Ratio Lower Upper
65 100
67 53.3 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 114 Resp: 169860
Ion Ratio Lower Upper
114 100
63 18.6 14.6 21.8
88 15.1 11.8 17.8

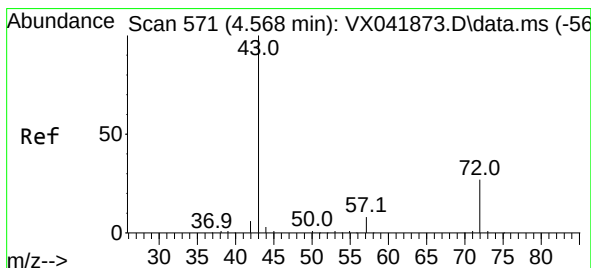
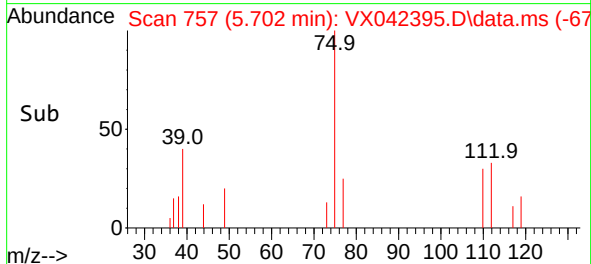
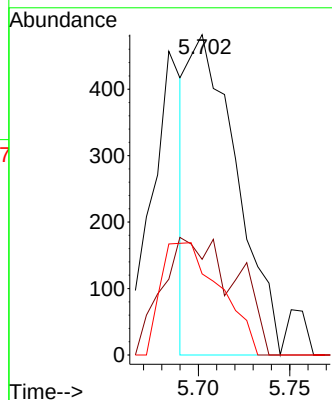
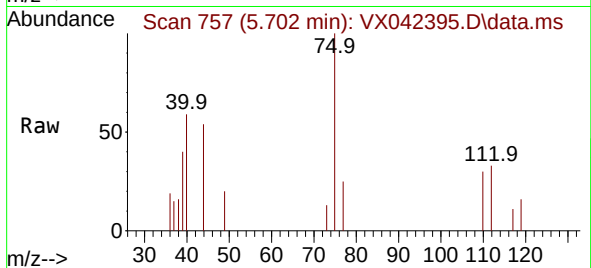




#29
1,1-Dichloropropene
Concen: 0.402 ug/l
RT: 5.702 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

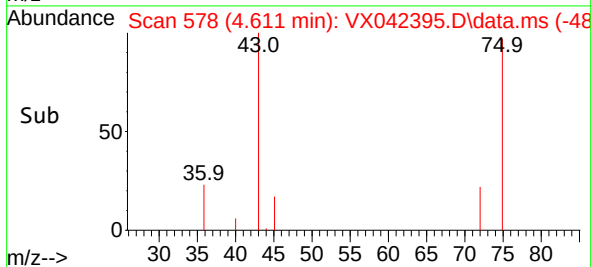
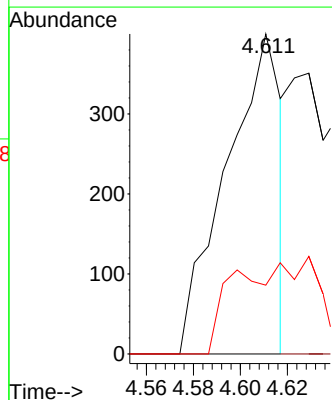
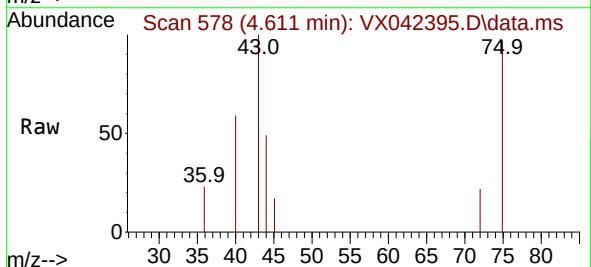
Instrument :
MSVOA_X
ClientSampleId :
IBLK

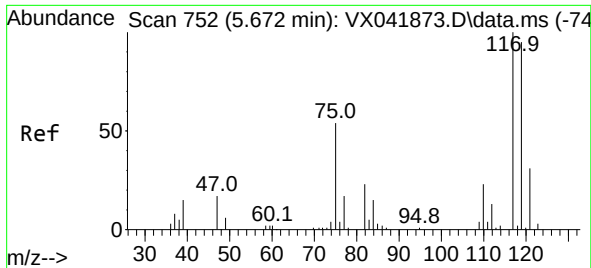
Tgt Ion:	75	Resp:	891
Ion	Ratio	Lower	Upper
75	100		
110	31.0	0.0	80.2
77	42.8	0.0	65.2



#30
2-Butanone
Concen: 0.442 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.043 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion:	43	Resp:	653
Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.5	9.7#
72	20.7	22.0	33.0#

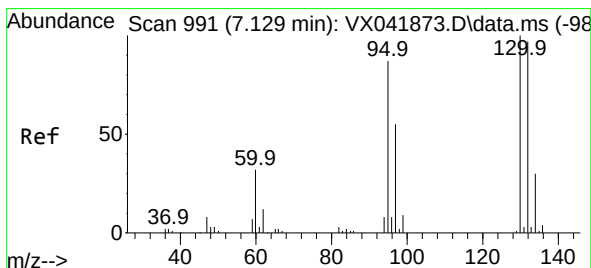
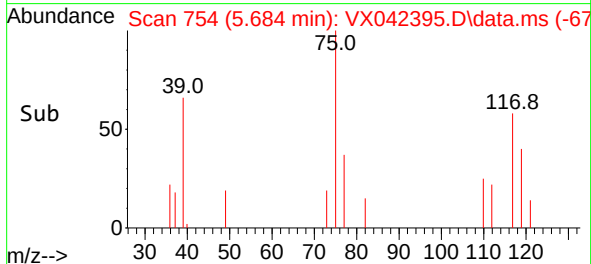
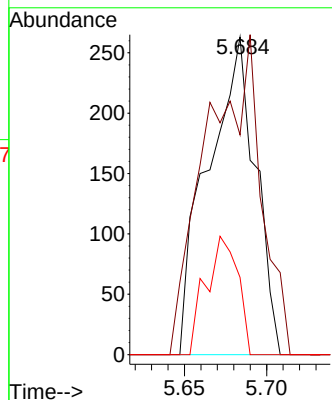
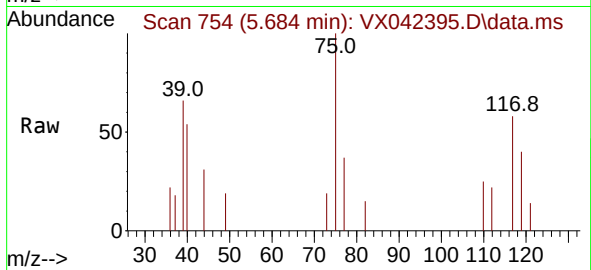




#33
Carbon Tetrachloride
Concen: 0.212 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.012 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

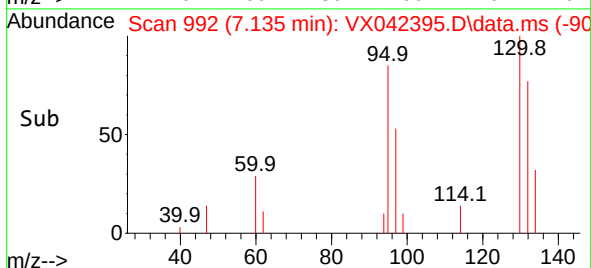
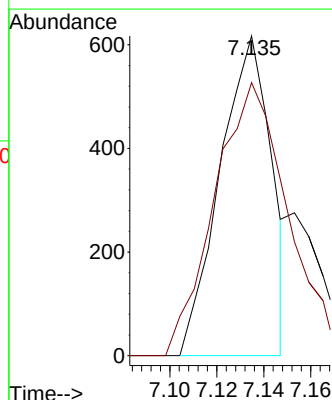
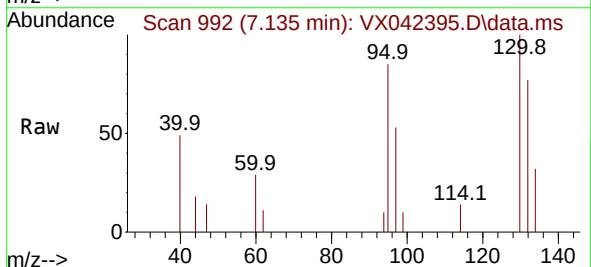
Instrument :
MSVOA_X
ClientSampleId :
IBLK

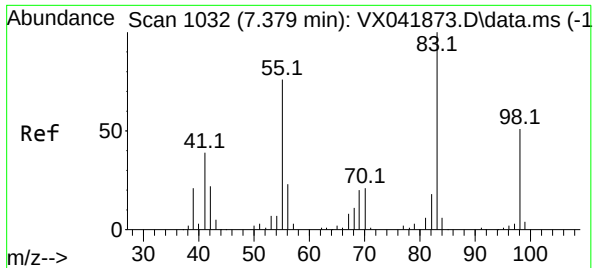
Tgt Ion:117 Resp: 529
Ion Ratio Lower Upper
117 100
119 46.4 75.7 113.5#
121 24.3 24.9 37.3#



#37
Trichloroethene
Concen: 0.482 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion:130 Resp: 942
Ion Ratio Lower Upper
130 100
95 73.1 69.4 104.0





#38

Methylcyclohexane

Concen: 0.459 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

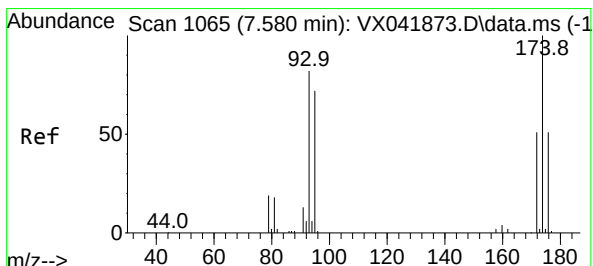
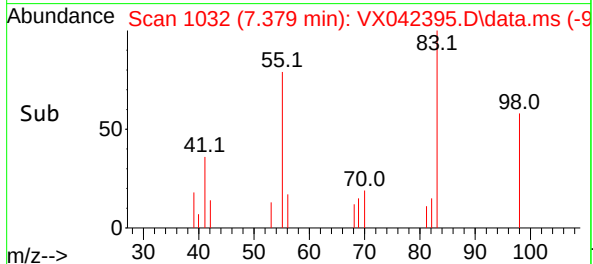
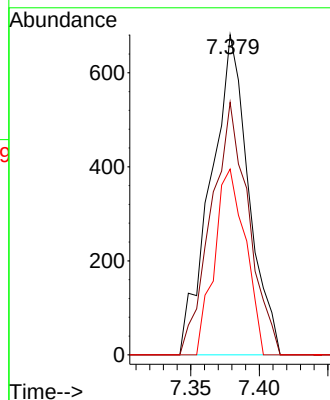
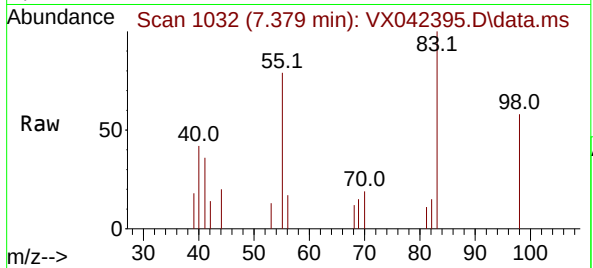
Tgt Ion: 83 Resp: 1308

Ion Ratio Lower Upper

83 100

55 77.8 37.3 111.9

98 47.4 24.8 74.4



#40

Dibromomethane

Concen: 0.416 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. 0.012 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

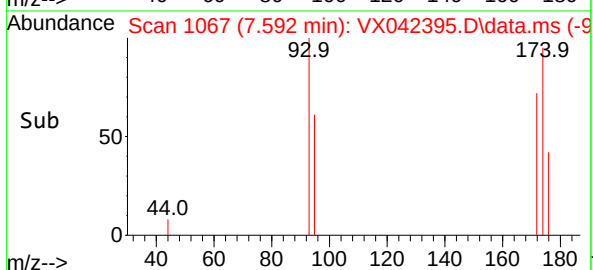
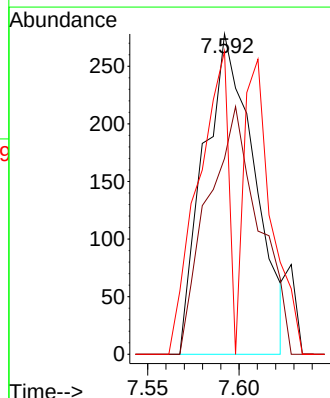
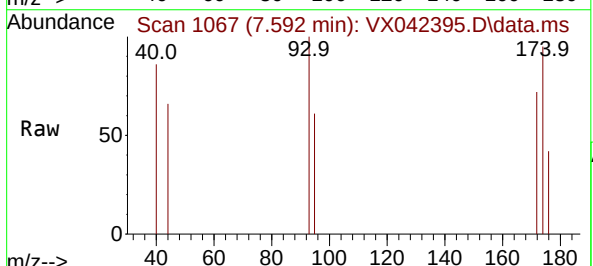
Tgt Ion: 93 Resp: 537

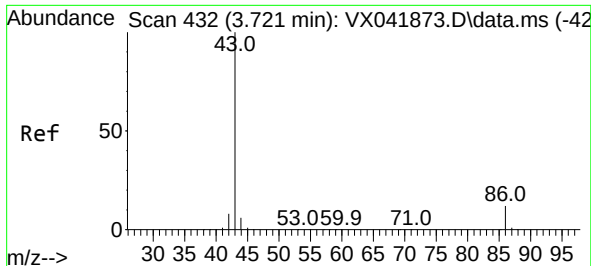
Ion Ratio Lower Upper

93 100

95 78.4 0.0 168.6

174 56.6 0.0 255.0

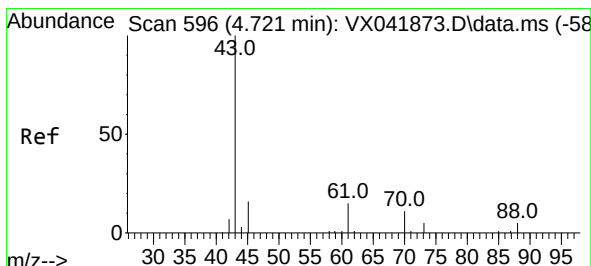
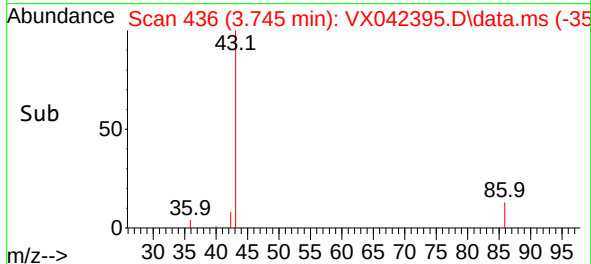
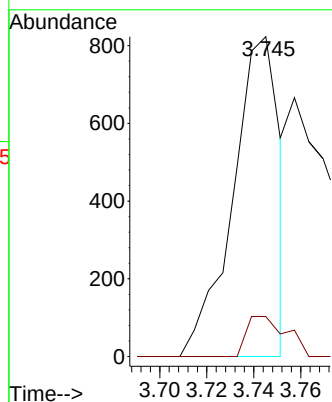
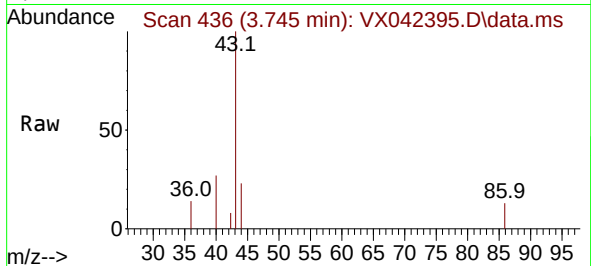




#42
 Vinyl Acetate
 Concen: 0.238 ug/l
 RT: 3.745 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

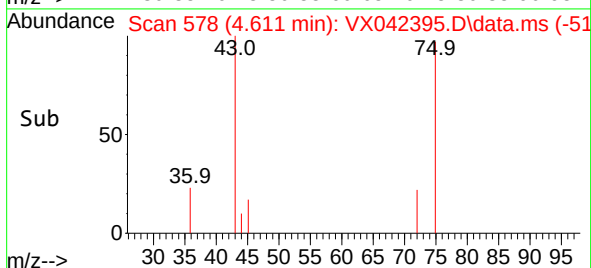
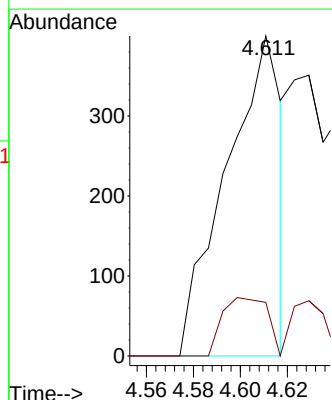
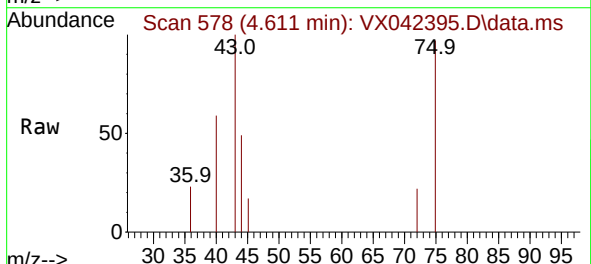
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

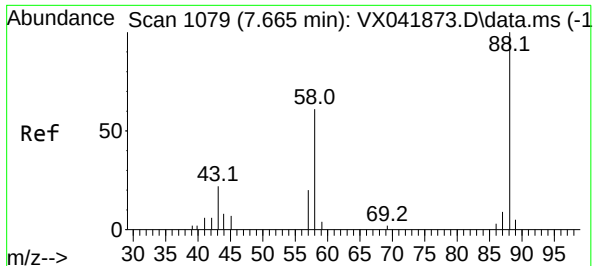
Tgt Ion: 43 Resp: 1139
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7



#43
 Ethyl Acetate
 Concen: 0.249 ug/l
 RT: 4.611 min Scan# 578
 Delta R.T. -0.110 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

Tgt Ion: 43 Resp: 653
 Ion Ratio Lower Upper
 43 100
 45 14.9 12.4 18.6

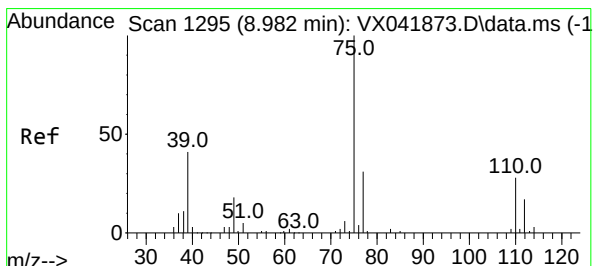
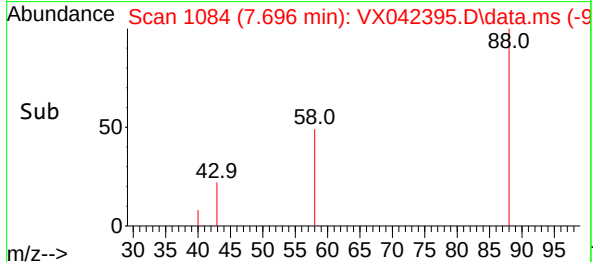
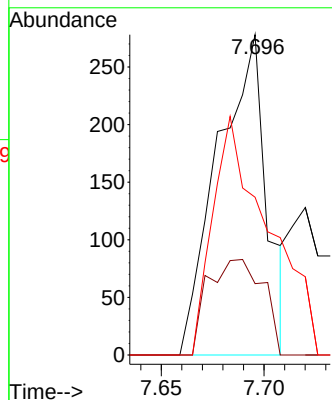
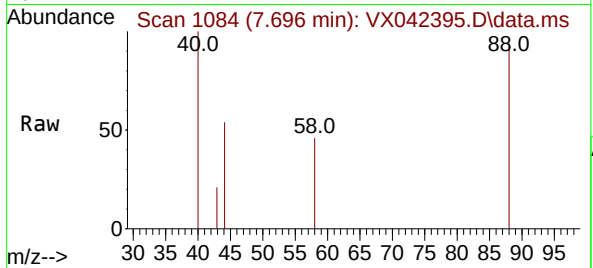




#45
1,4-Dioxane
Concen: 9.959 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.030 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

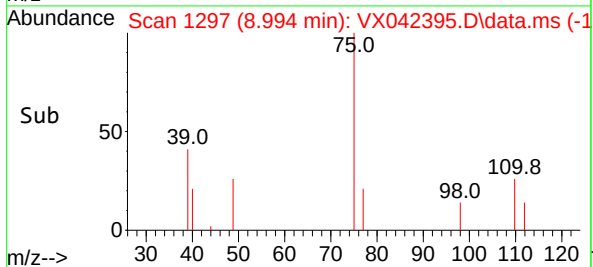
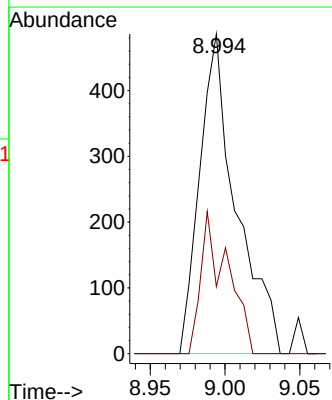
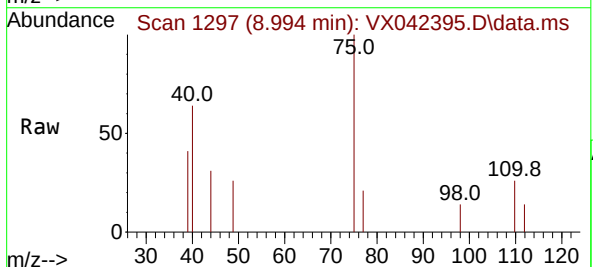
Instrument :
MSVOA_X
ClientSampleId :
IBLK

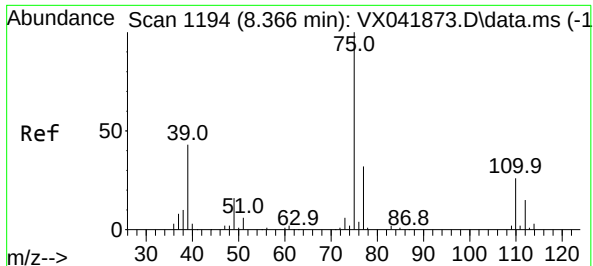
Tgt Ion: 88 Resp: 460
Ion Ratio Lower Upper
88 100
43 33.5 23.2 34.8
58 85.0 52.6 78.8#



#48
t-1,3-Dichloropropene
Concen: 0.343 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 75 Resp: 827
Ion Ratio Lower Upper
75 100
77 21.0 25.1 37.7#





#49

cis-1,3-Dichloropropene

Concen: 0.259 ug/l

RT: 8.385 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

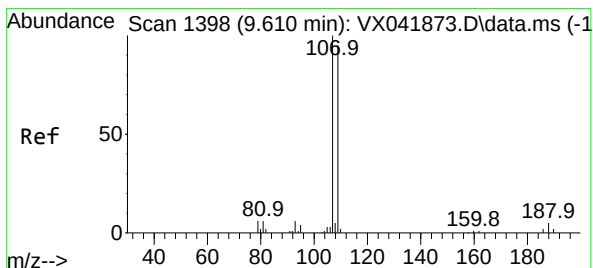
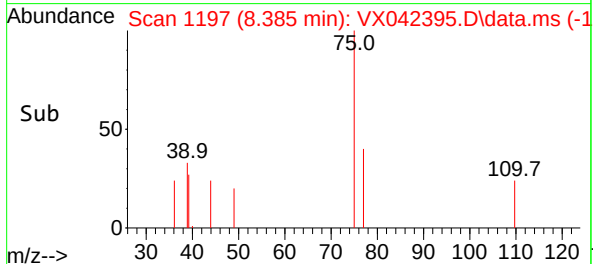
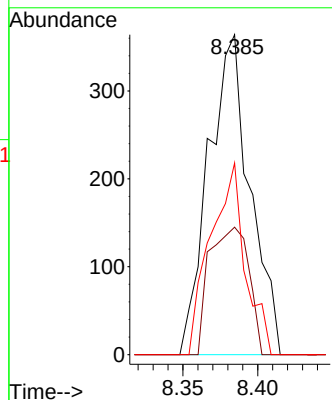
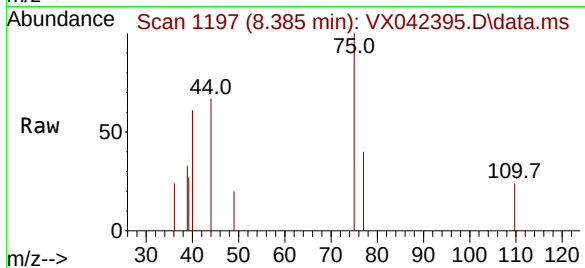
Tgt Ion: 75 Resp: 702

Ion Ratio Lower Upper

75 100

77 39.8 25.8 38.8#

39 59.9 34.8 52.2#



#54

1,2-Dibromoethane

Concen: 0.259 ug/l

RT: 9.622 min Scan# 1400

Delta R.T. 0.012 min

Lab File: VX042395.D

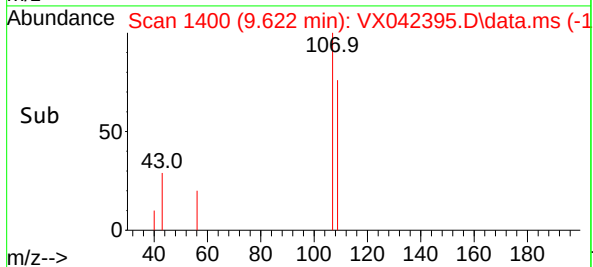
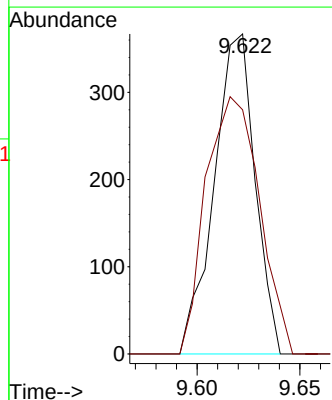
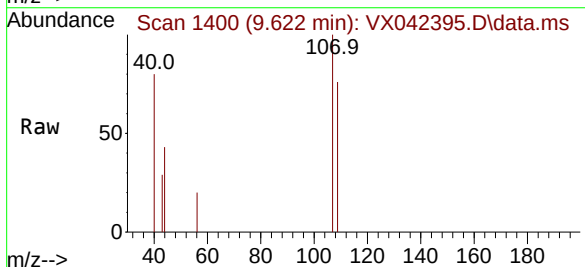
Acq: 19 Jul 2024 11:19

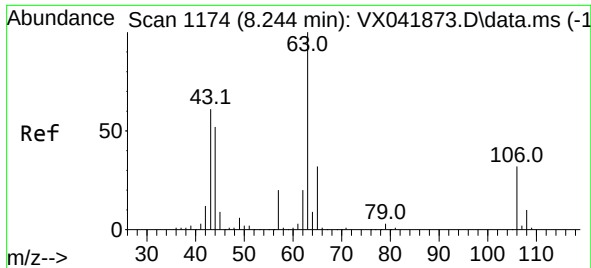
Tgt Ion: 107 Resp: 509

Ion Ratio Lower Upper

107 100

109 105.1 75.7 113.5

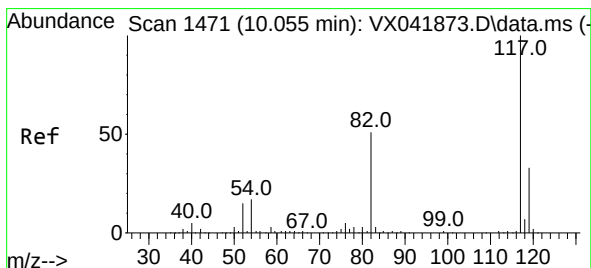
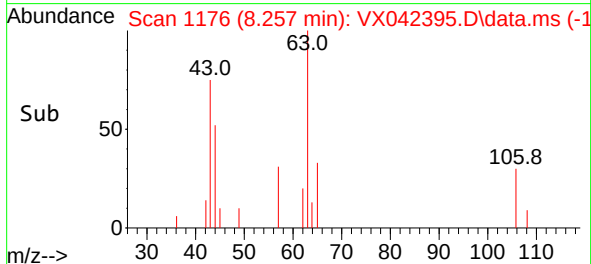
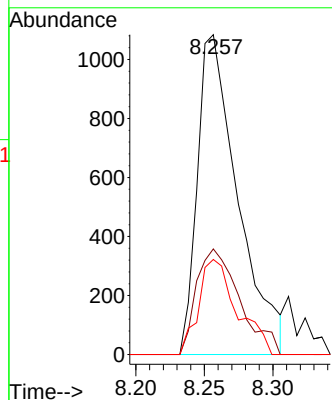
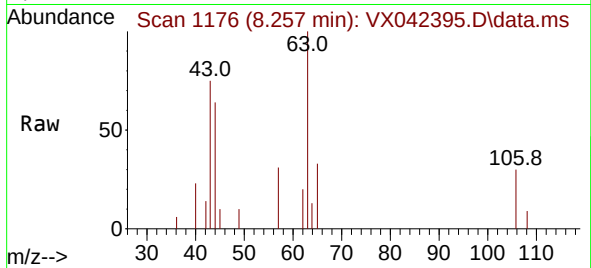




#55
2-Chloroethyl vinyl ether
Concen: 1.552 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

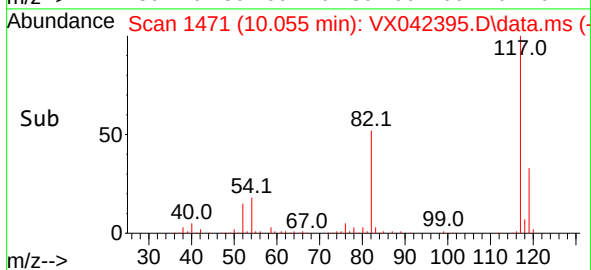
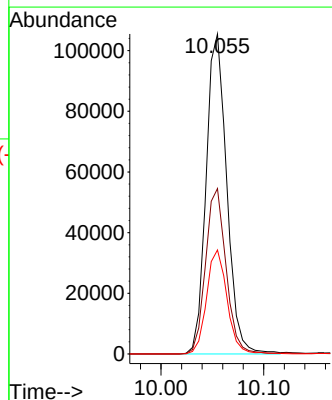
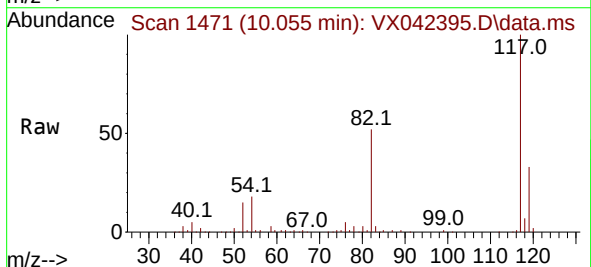
Instrument :
MSVOA_X
ClientSampleId :
IBLK

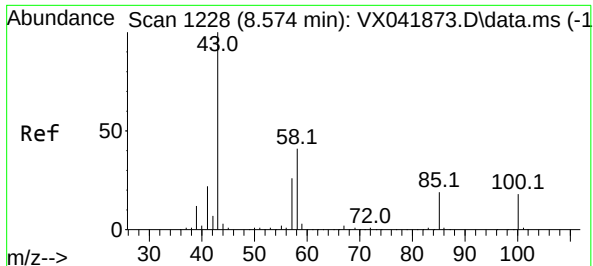
Tgt Ion:	63	Resp:	2226
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.7	38.5
106	23.3	25.3	37.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion:	117	Resp:	147492
Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.1	61.7
119	32.5	26.1	39.1





#58

4-Methyl-2-Pentanone

Concen: 0.529 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

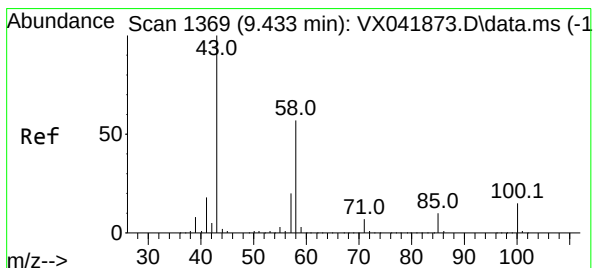
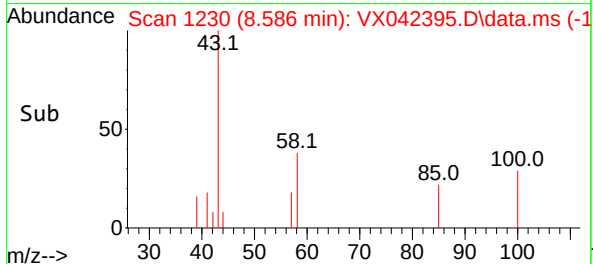
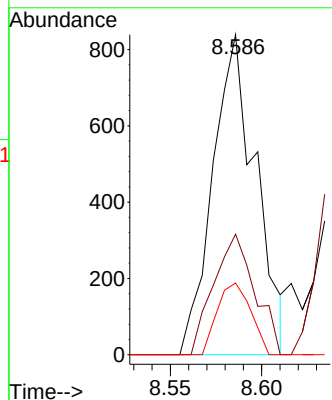
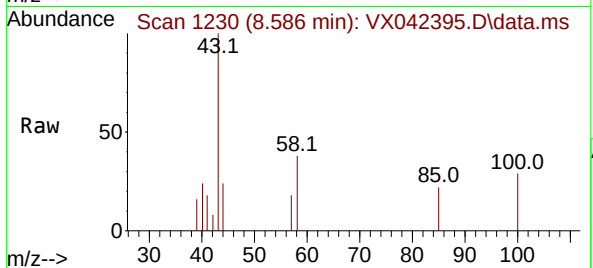
Tgt Ion: 43 Resp: 1376

Ion Ratio Lower Upper

43 100

58 36.1 33.2 49.8

85 17.4 15.5 23.3



#59

2-Hexanone

Concen: 0.802 ug/l

RT: 9.451 min Scan# 1372

Delta R.T. 0.018 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

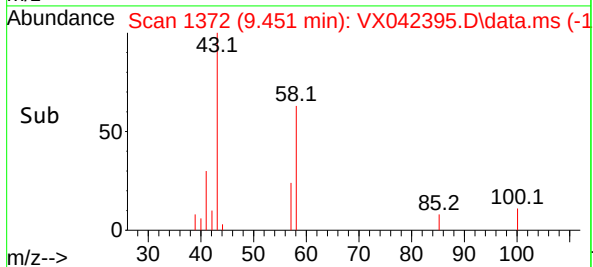
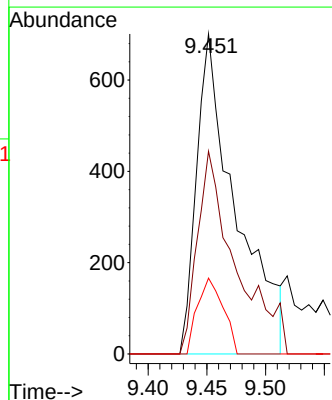
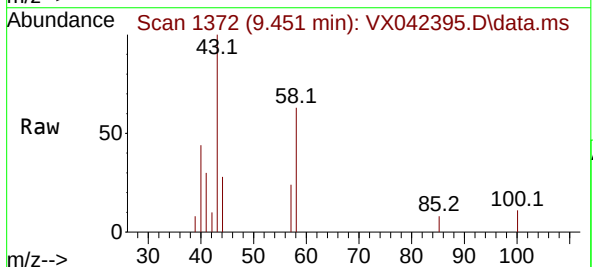
Tgt Ion: 43 Resp: 1633

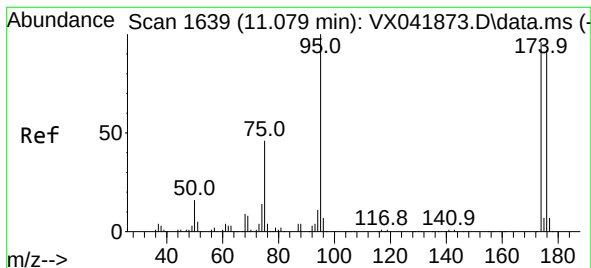
Ion Ratio Lower Upper

43 100

58 51.7 46.0 69.0

57 15.5 15.8 23.6#

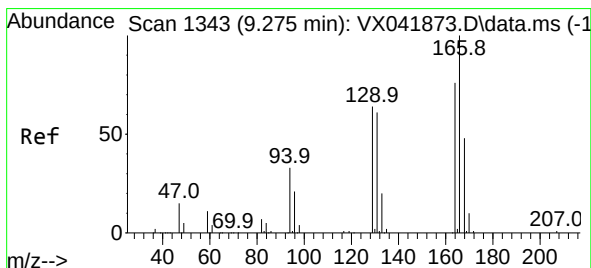
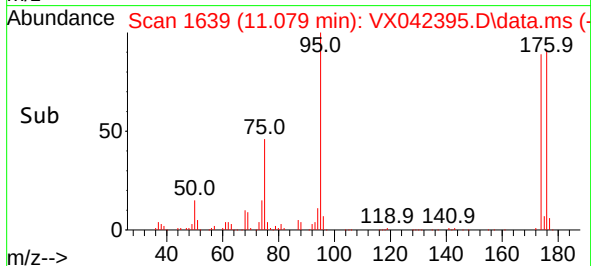
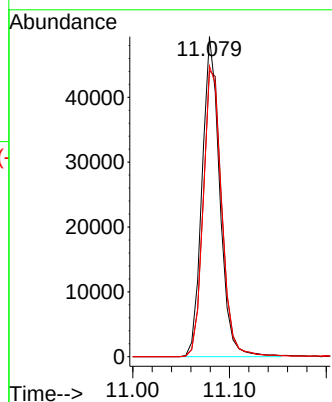
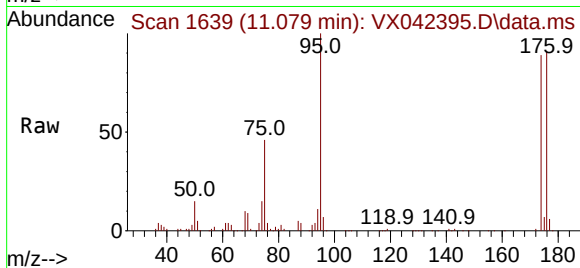




#60
4-Bromofluorobenzene
Concen: 27.424 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

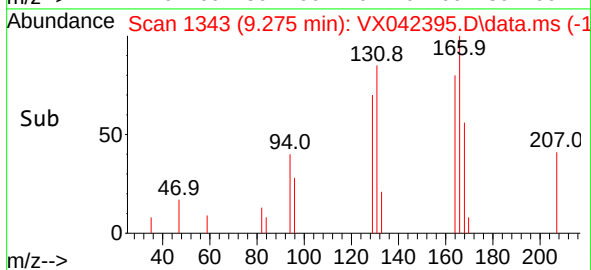
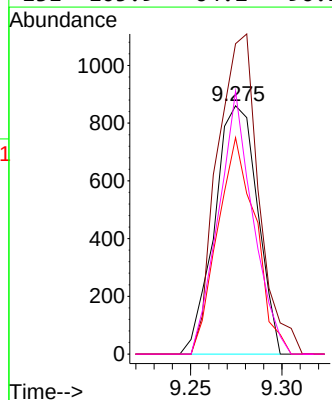
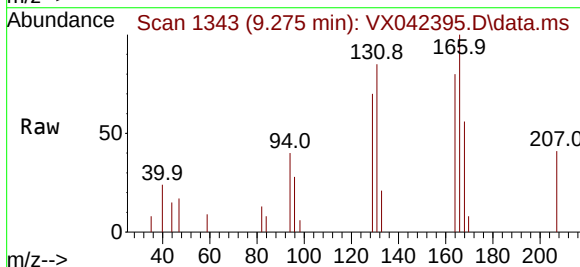
Instrument :
MSVOA_X
ClientSampleId :
IBLK

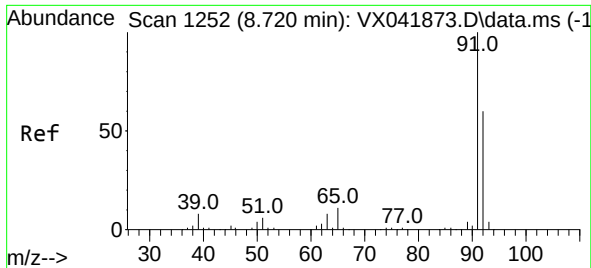
Tgt Ion: 95 Resp: 62933
Ion Ratio Lower Upper
95 100
174 95.0 78.9 118.3
176 93.5 77.1 115.7



#61
Tetrachloroethene
Concen: 0.784 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 164 Resp: 1403
Ion Ratio Lower Upper
164 100
166 125.0 105.0 157.6
129 87.2 67.1 100.7
131 105.9 64.2 96.2#





#62

Toluene

Concen: 0.347 ug/l

RT: 8.726 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

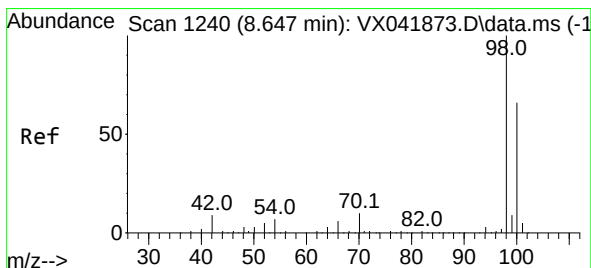
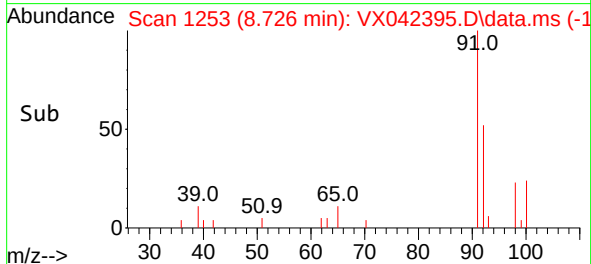
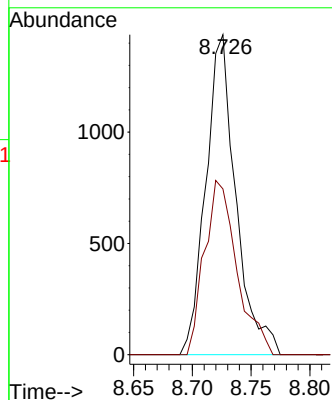
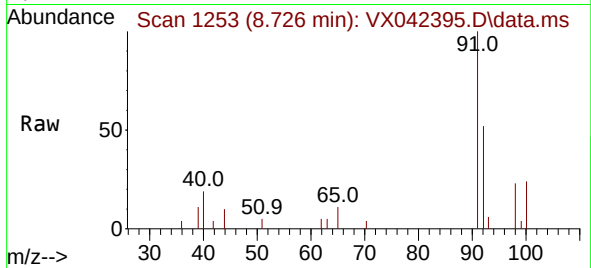
IBLK

Tgt Ion: 91 Resp: 2561

Ion Ratio Lower Upper

91 100

92 58.9 47.4 71.2



#63

Toluene-d8

Concen: 30.849 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX042395.D

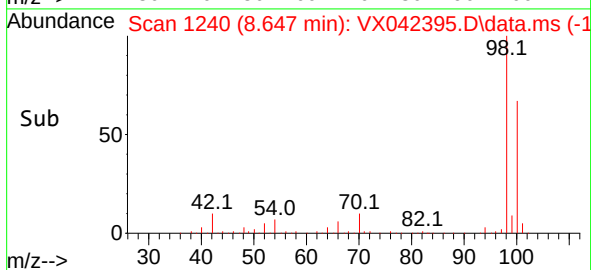
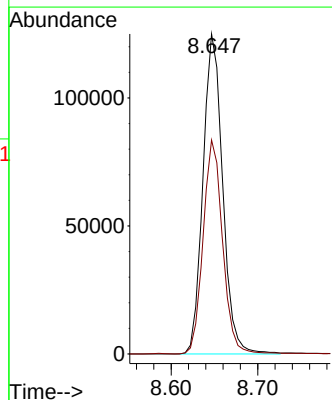
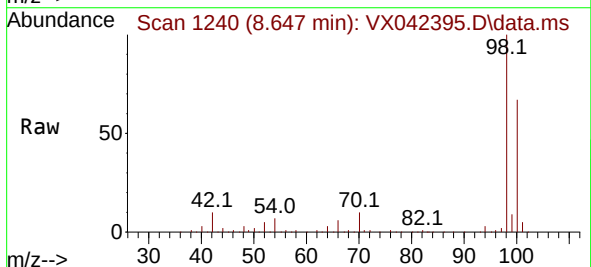
Acq: 19 Jul 2024 11:19

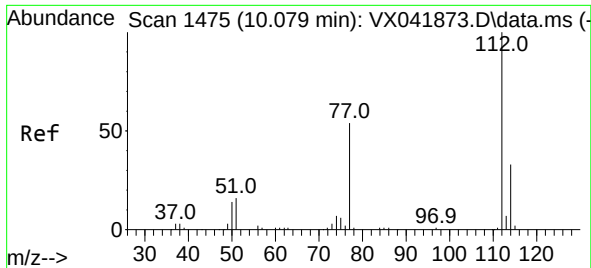
Tgt Ion: 98 Resp: 197655

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1

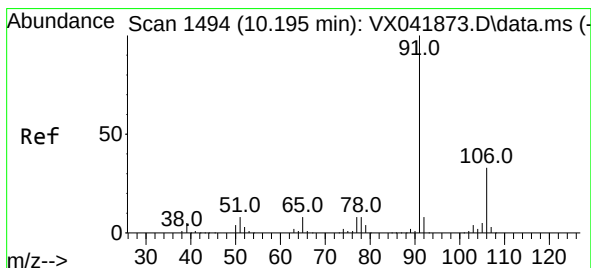
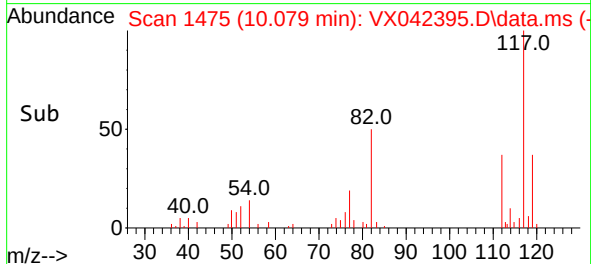
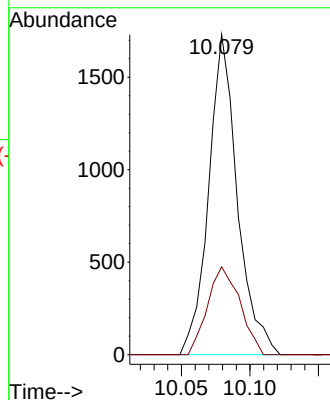
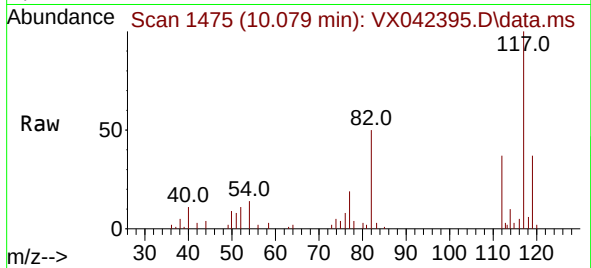




#64
Chlorobenzene
Concen: 0.506 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

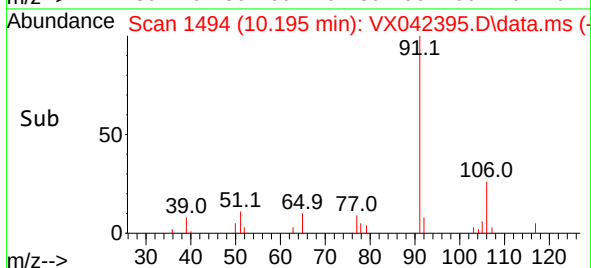
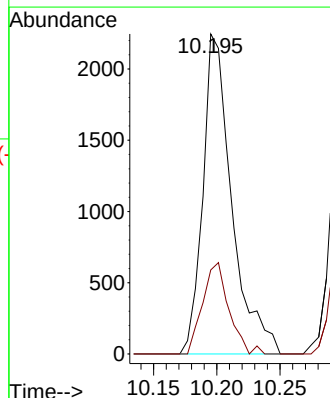
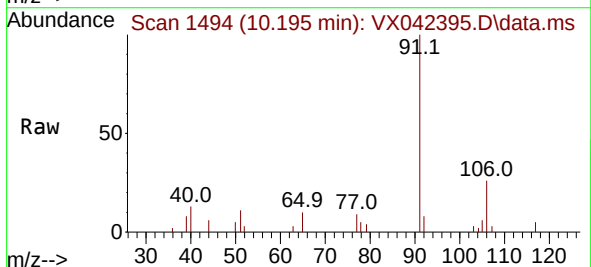
Instrument :
MSVOA_X
ClientSampleId :
IBLK

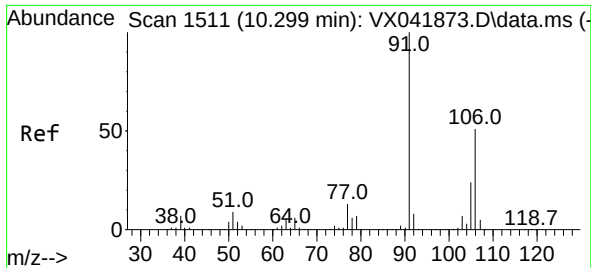
Tgt Ion:112 Resp: 2520
Ion Ratio Lower Upper
112 100
114 27.5 26.2 39.4



#66
Ethyl Benzene
Concen: 0.445 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 91 Resp: 3574
Ion Ratio Lower Upper
91 100
106 26.3 26.4 39.6#

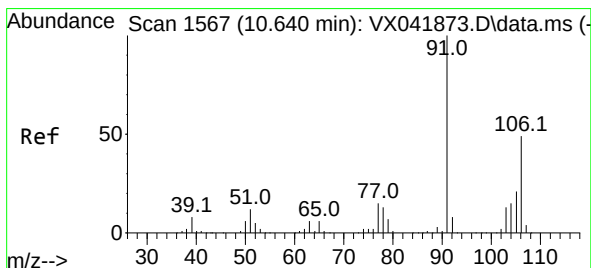
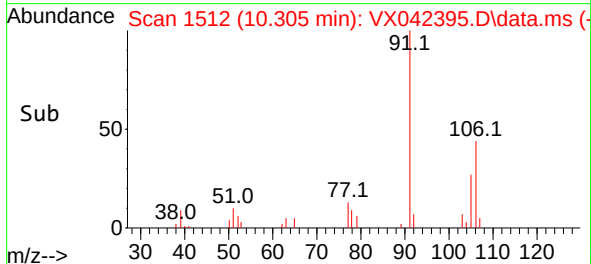
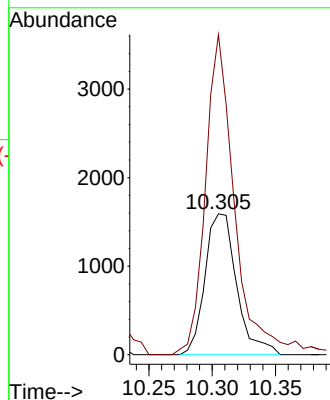
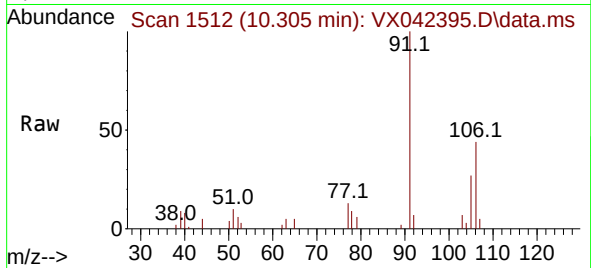




#67
m/p-Xylenes
Concen: 0.863 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

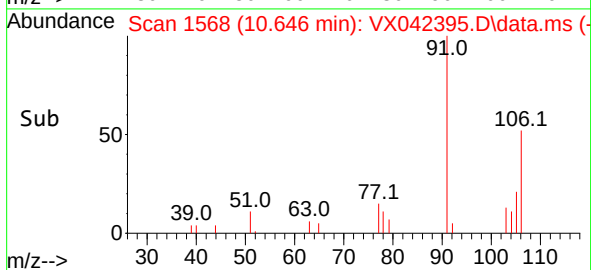
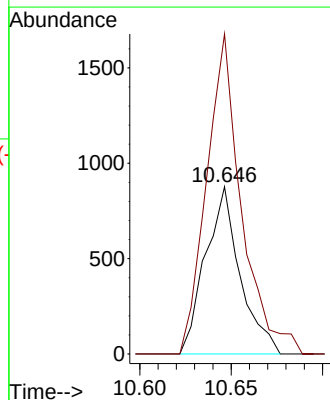
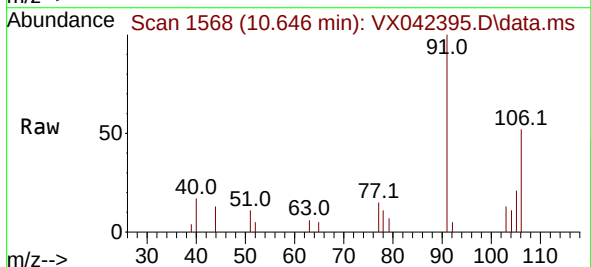
Instrument :
MSVOA_X
ClientSampleId :
IBLK

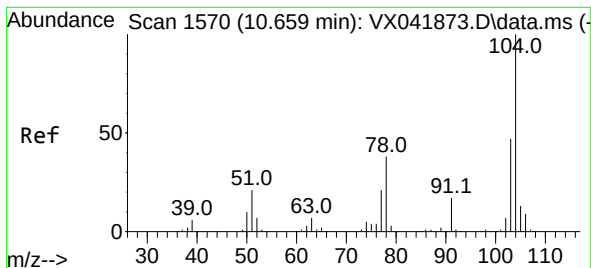
Tgt Ion:106 Resp: 2773
Ion Ratio Lower Upper
106 100
91 205.4 157.0 235.6



#68
o-Xylene
Concen: 0.362 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion:106 Resp: 1156
Ion Ratio Lower Upper
106 100
91 189.3 103.2 309.6





#69

Styrene

Concen: 0.368 ug/l

RT: 10.665 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

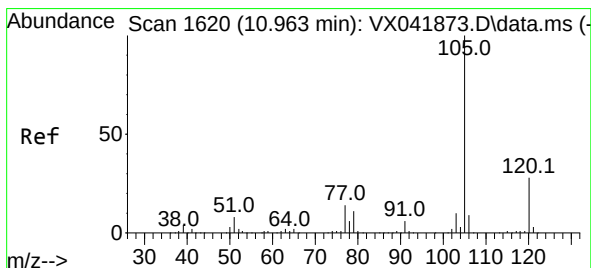
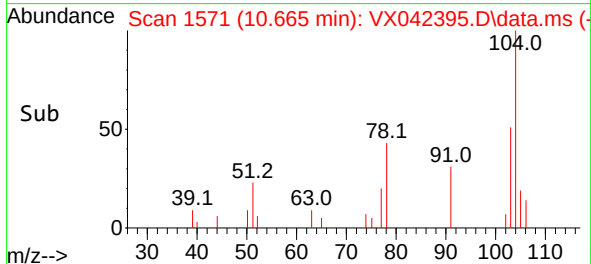
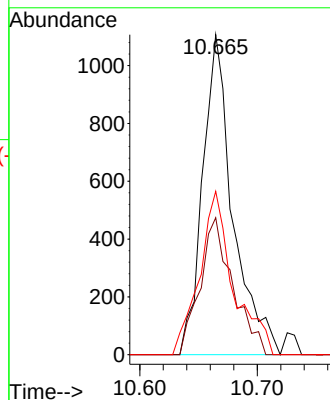
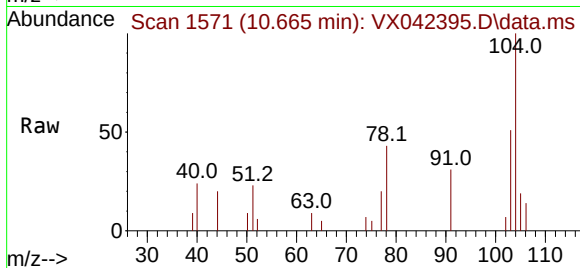
Tgt Ion:104 Resp: 1981

Ion Ratio Lower Upper

104 100

78 46.4 36.5 54.7

103 57.2 43.4 65.2



#70

Isopropylbenzene

Concen: 0.338 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX042395.D

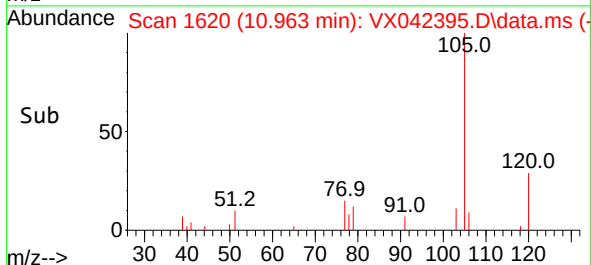
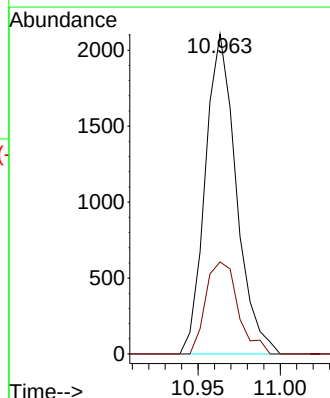
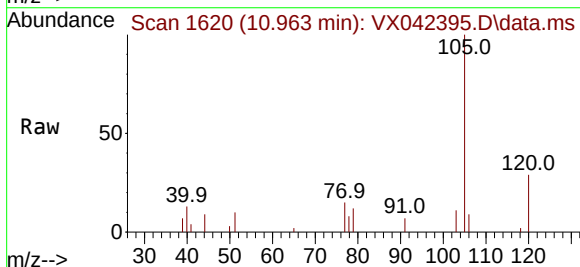
Acq: 19 Jul 2024 11:19

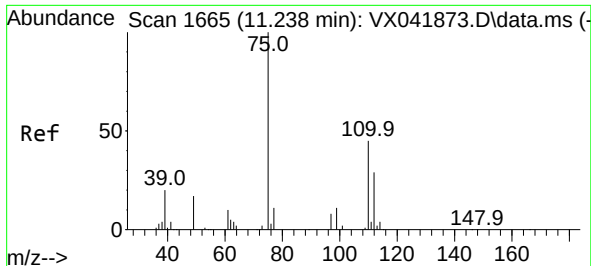
Tgt Ion:105 Resp: 2758

Ion Ratio Lower Upper

105 100

120 30.0 19.2 35.6

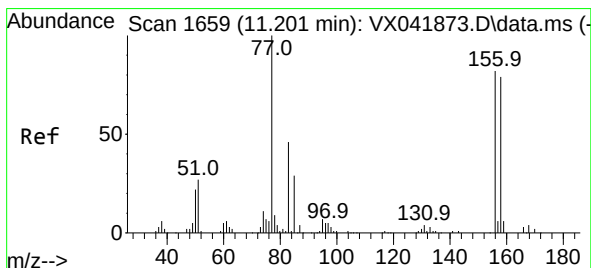
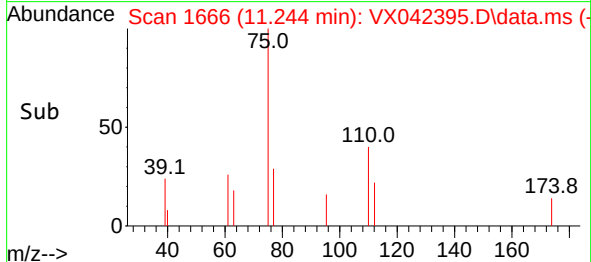
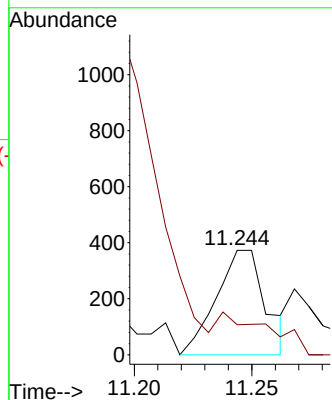
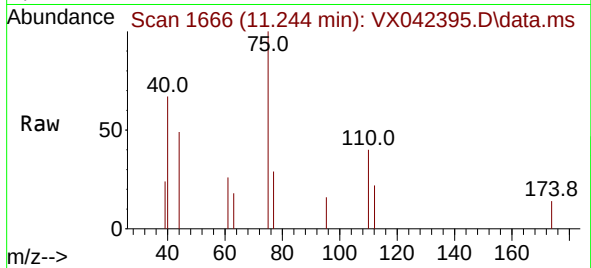




#72
1,2,3-Trichloropropane
Concen: 0.245 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

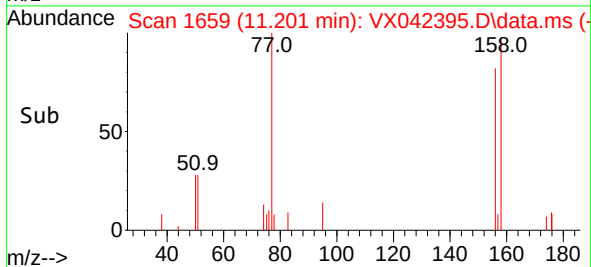
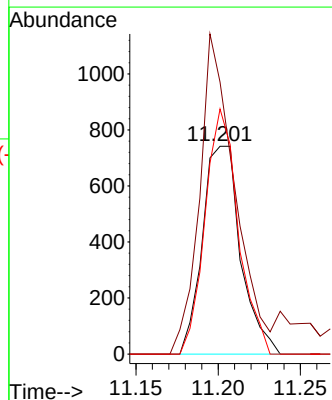
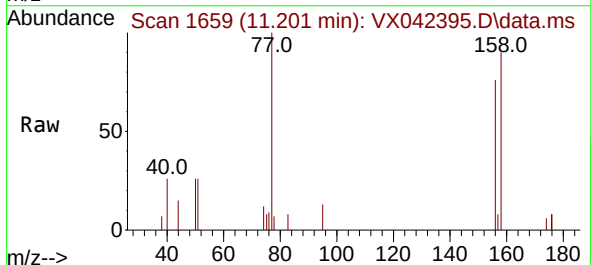
Instrument :
MSVOA_X
ClientSampleId :
IBLK

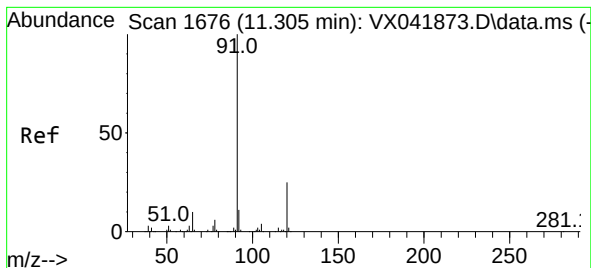
Tgt Ion: 75 Resp: 545
Ion Ratio Lower Upper
75 100
77 6.8 0.0 79.6



#73
Bromobenzene
Concen: 0.515 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 156 Resp: 1200
Ion Ratio Lower Upper
156 100
77 141.8 0.0 266.2
158 102.4 0.0 195.2





#74

n-propylbenzene

Concen: 0.468 ug/l

RT: 11.311 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

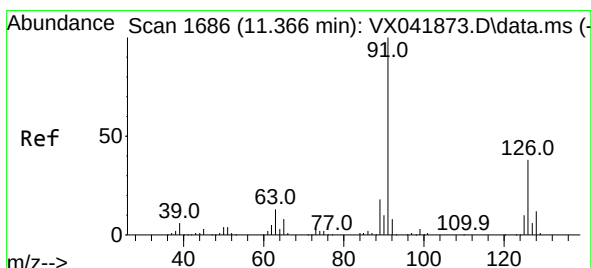
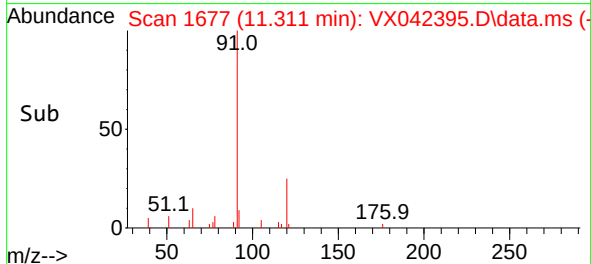
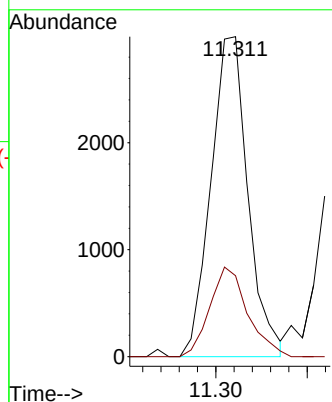
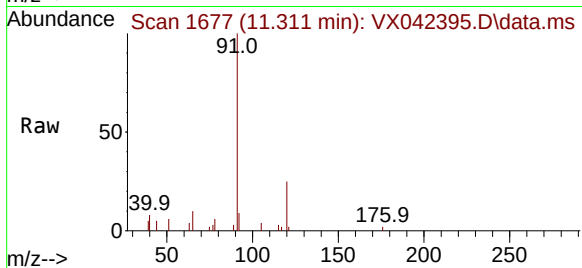
IBLK

Tgt Ion: 91 Resp: 4216

Ion Ratio Lower Upper

91 100

120 28.7 0.0 49.6



#75

2-Chlorotoluene

Concen: 0.500 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VX042395.D

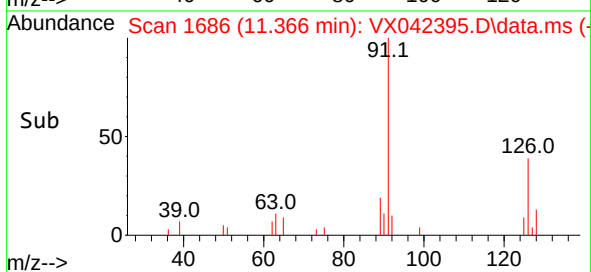
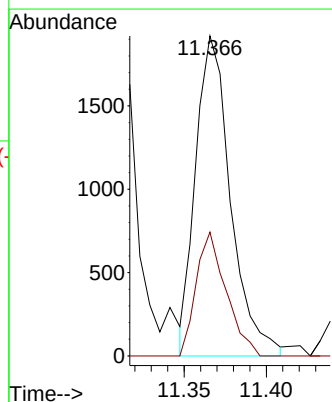
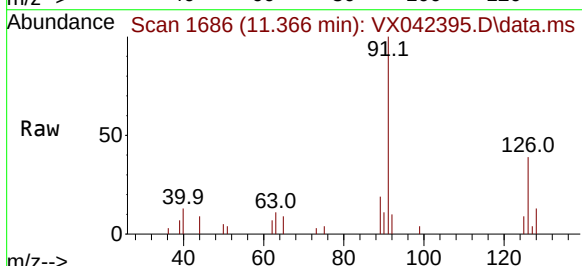
Acq: 19 Jul 2024 11:19

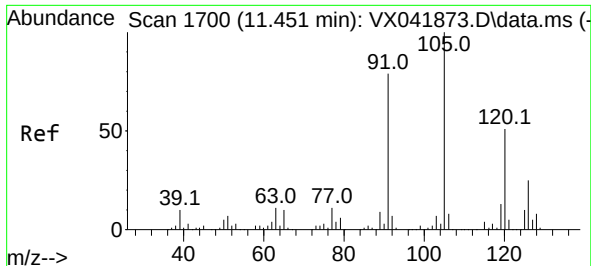
Tgt Ion: 91 Resp: 2829

Ion Ratio Lower Upper

91 100

126 33.2 0.0 72.6

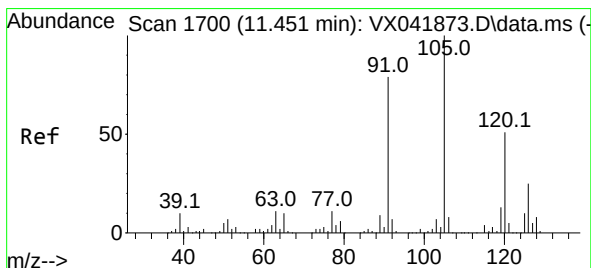
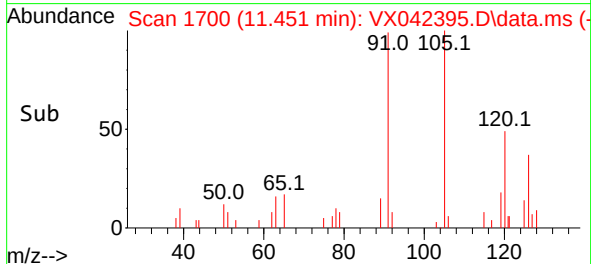
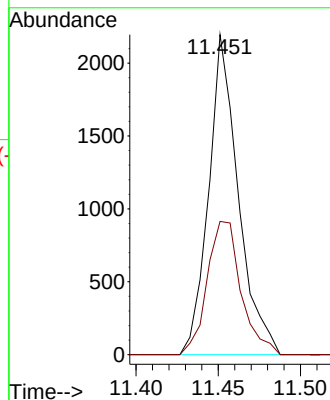
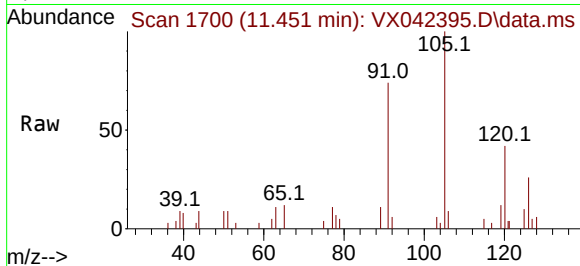




#76
1,3,5-Trimethylbenzene
Concen: 0.404 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

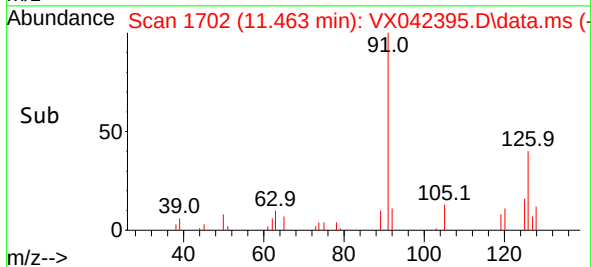
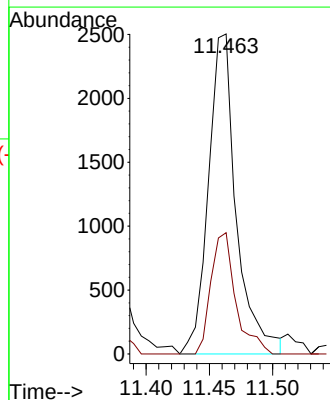
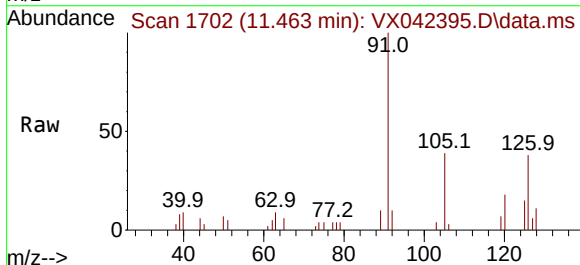
Instrument :
MSVOA_X
ClientSampleId :
IBLK

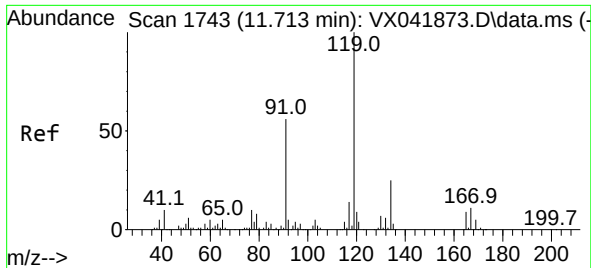
Tgt Ion:105 Resp: 2749
Ion Ratio Lower Upper
105 100
120 47.7 0.0 103.0



#78
4-Chlorotoluene
Concen: 0.610 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion: 91 Resp: 3849
Ion Ratio Lower Upper
91 100
126 31.9 0.0 64.8

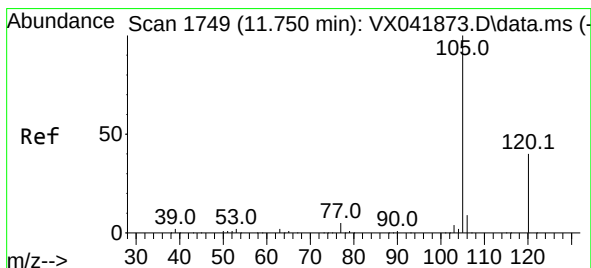
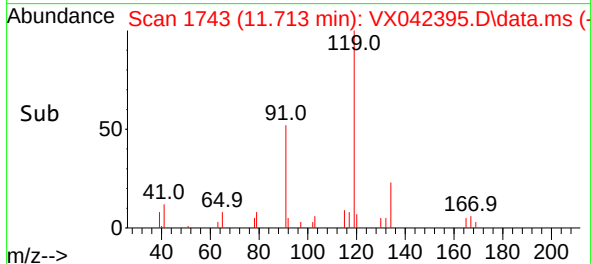
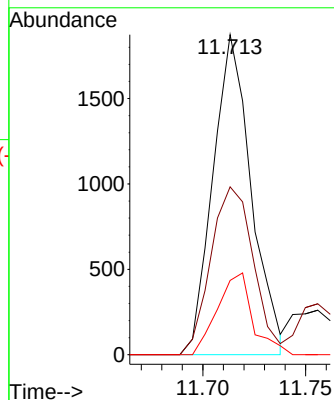
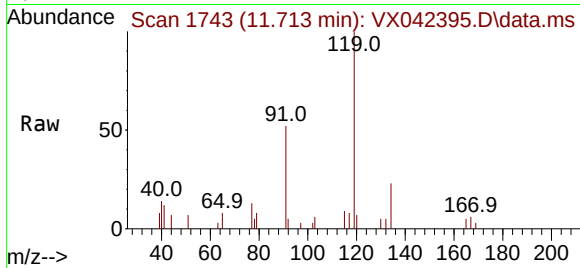




#79
tert-butylbenzene
Concen: 0.334 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

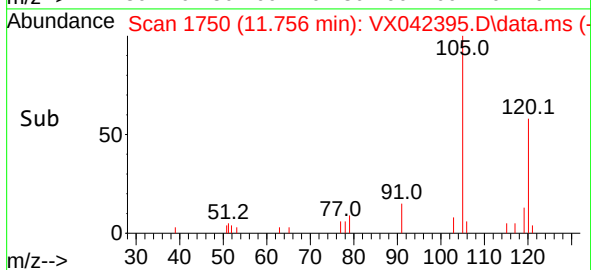
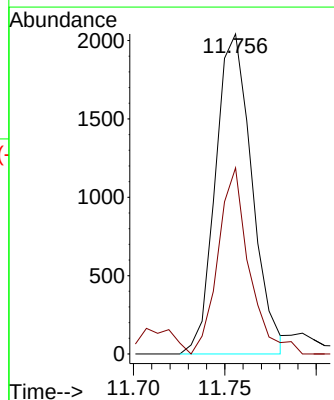
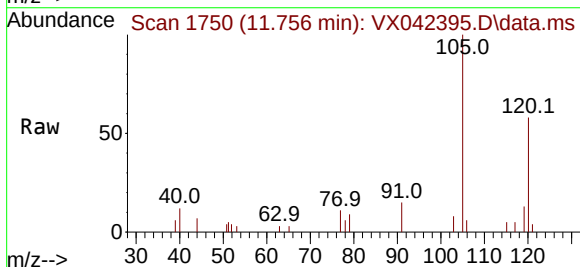
Instrument :
MSVOA_X
ClientSampleId :
IBLK

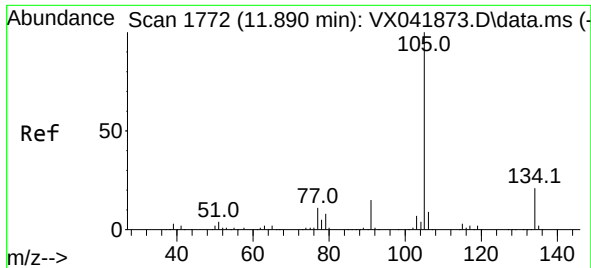
Tgt Ion:	119	Resp:	2426
Ion	Ratio	Lower	Upper
119	100		
91	58.5	0.0	106.0
134	23.6	0.0	49.4



#80
1,2,4-Trimethylbenzene
Concen: 0.414 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion:	105	Resp:	2836
Ion	Ratio	Lower	Upper
105	100		
120	48.7	0.0	96.2

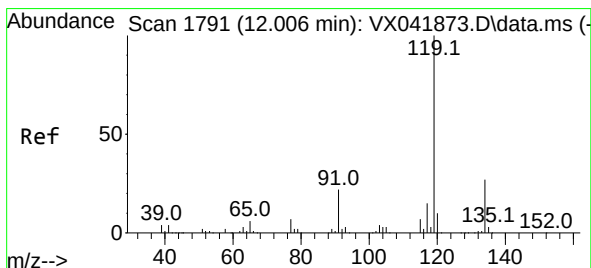
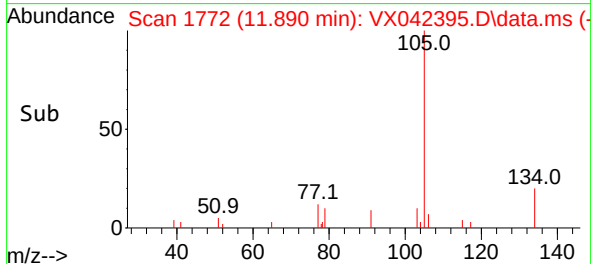
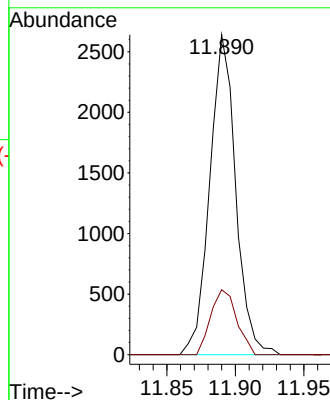
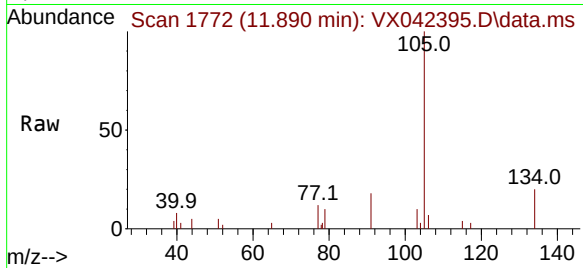




#81
 sec-Butylbenzene
 Concen: 0.404 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

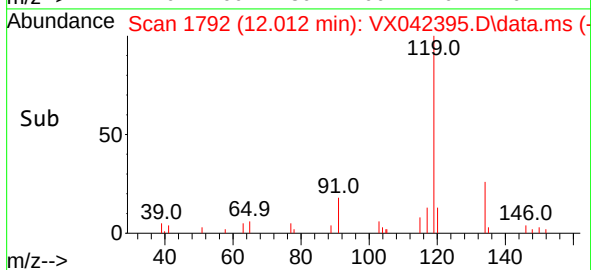
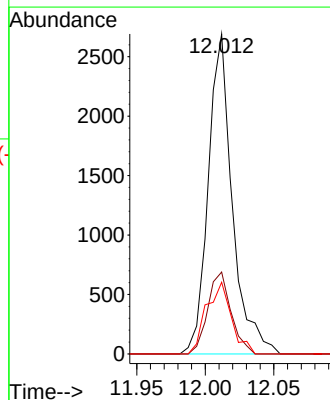
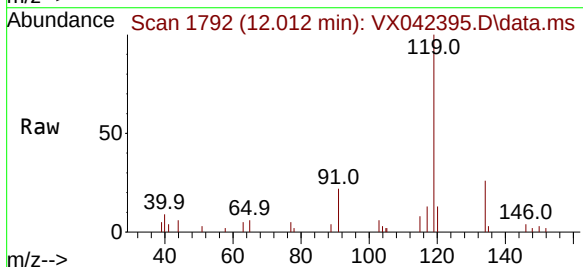
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

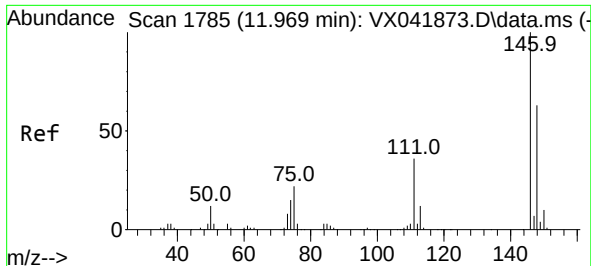
Tgt Ion:105 Resp: 3474
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 43.2



#82
 p-Isopropyltoluene
 Concen: 0.442 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

Tgt Ion:119 Resp: 3290
 Ion Ratio Lower Upper
 119 100
 134 24.7 0.0 54.0
 91 23.2 0.0 42.2





#83

1,3-Dichlorobenzene

Concen: 0.779 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

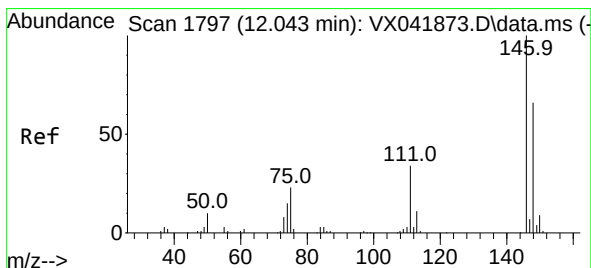
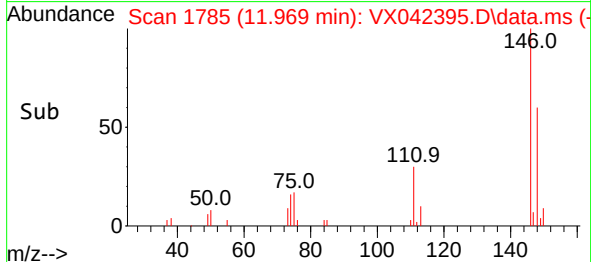
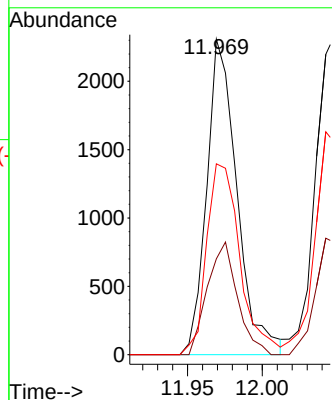
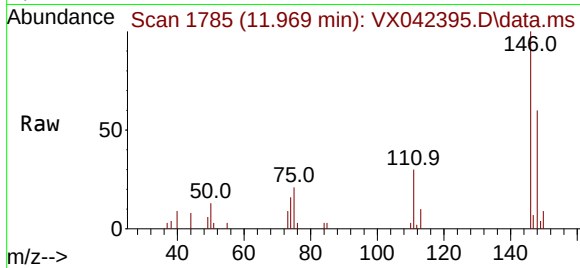
Tgt Ion:146 Resp: 3258

Ion Ratio Lower Upper

146 100

111 35.3 18.0 54.0

148 66.7 31.9 95.7



#84

1,4-Dichlorobenzene

Concen: 0.890 ug/l

RT: 12.049 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

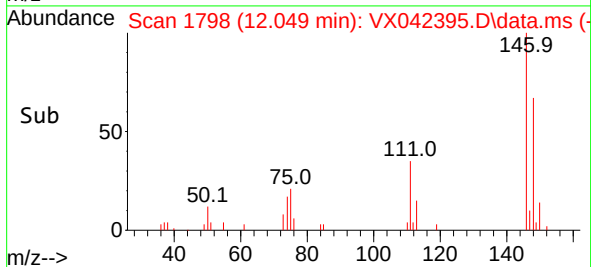
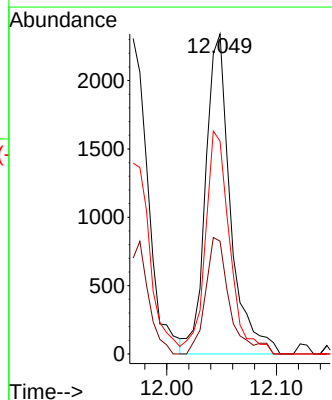
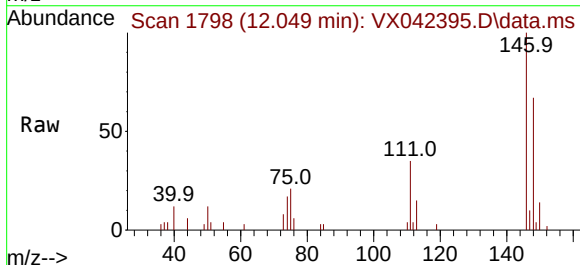
Tgt Ion:146 Resp: 3698

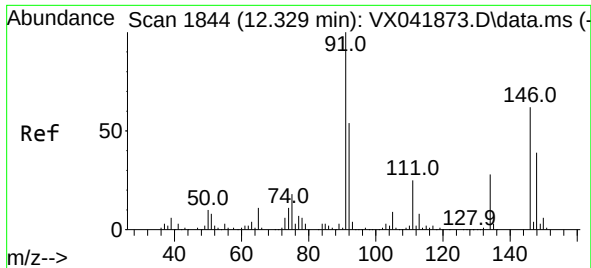
Ion Ratio Lower Upper

146 100

111 34.0 17.4 52.3

148 68.4 32.3 96.9

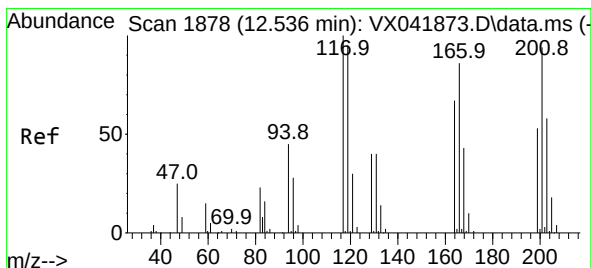
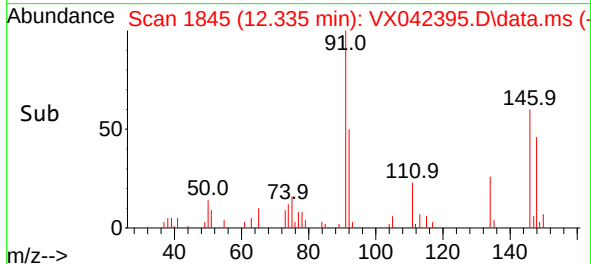
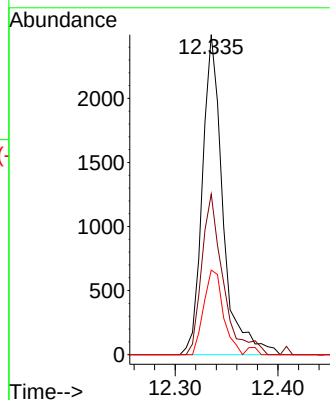
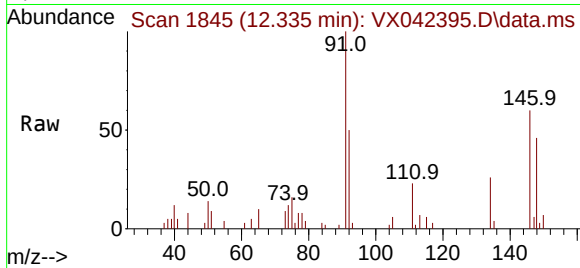




#85
n-Butylbenzene
Concen: 0.594 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

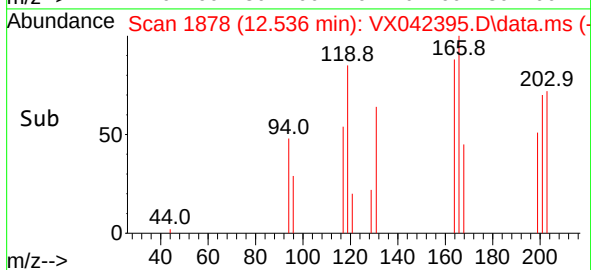
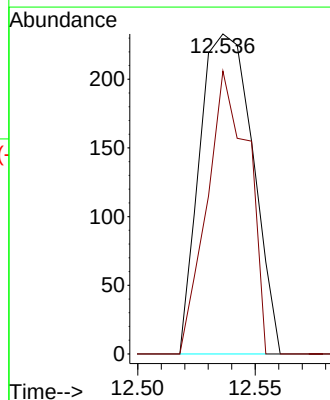
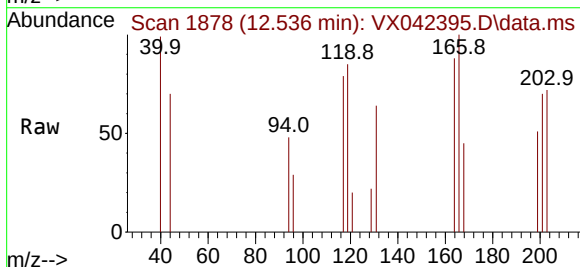
Instrument :
MSVOA_X
ClientSampleId :
IBLK

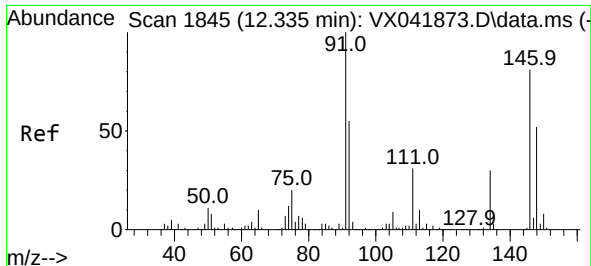
Tgt Ion:	91	Resp:	3475
Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	109.8
134	25.2	0.0	58.4



#86
Hexachloroethane
Concen: 0.289 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX042395.D
Acq: 19 Jul 2024 11:19

Tgt Ion:	117	Resp:	366
Ion	Ratio	Lower	Upper
117	100		
201	68.9	48.9	146.8

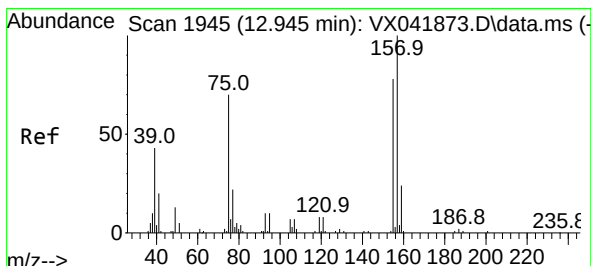
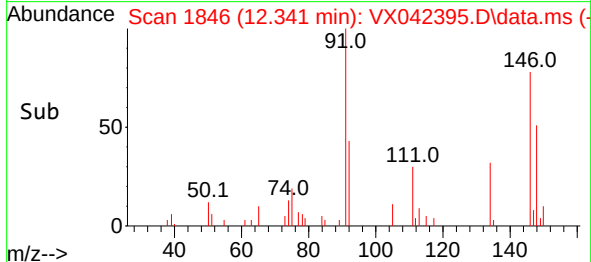
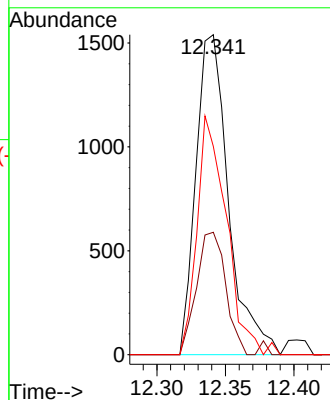
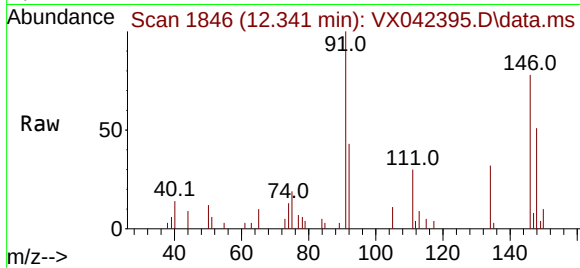




#87
 1,2-Dichlorobenzene
 Concen: 0.604 ug/l
 RT: 12.341 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

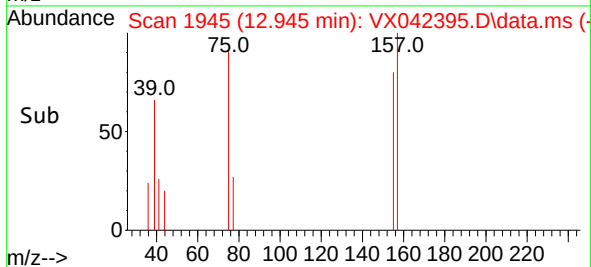
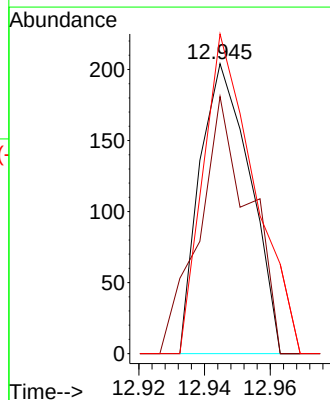
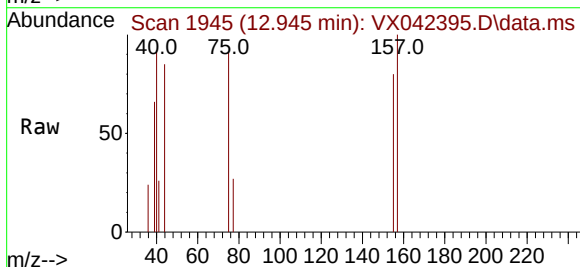
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

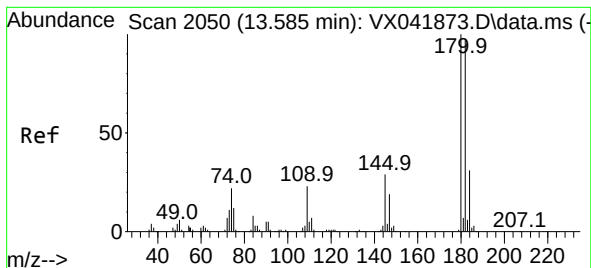
Tgt Ion:146 Resp: 2554
 Ion Ratio Lower Upper
 146 100
 111 34.2 19.1 57.3
 148 66.5 32.4 97.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.376 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. -0.000 min
 Lab File: VX042395.D
 Acq: 19 Jul 2024 11:19

Tgt Ion: 75 Resp: 216
 Ion Ratio Lower Upper
 75 100
 155 88.9 88.6 133.0
 157 112.5 112.8 169.2#





#89

1,2,4-Trichlorobenzene

Concen: 1.400 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

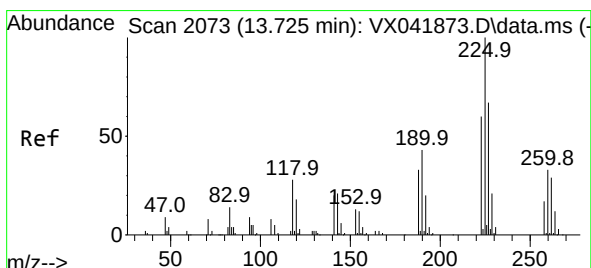
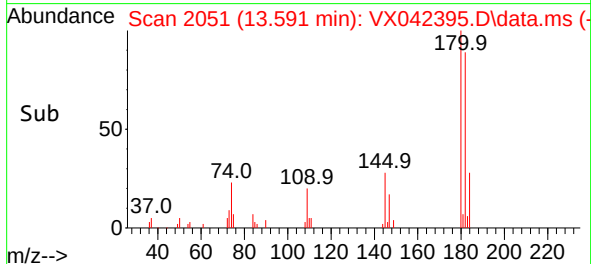
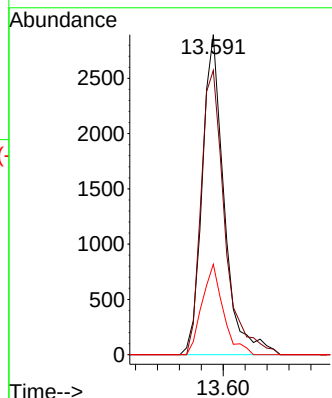
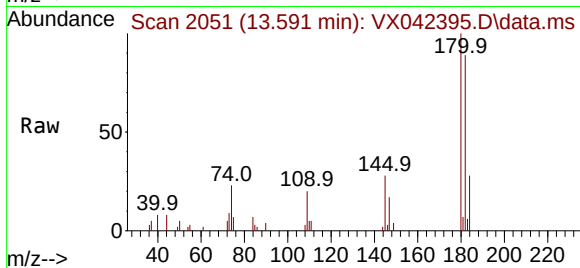
Tgt Ion:180 Resp: 4010

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 26.0 22.8 34.2



#90

Hexachlorobutadiene

Concen: 0.859 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

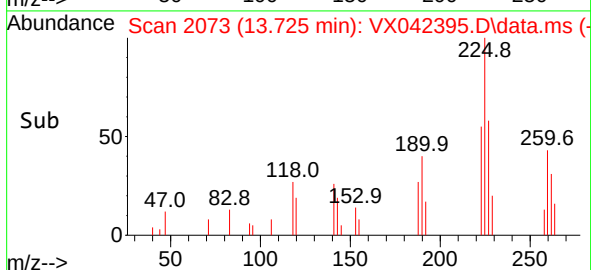
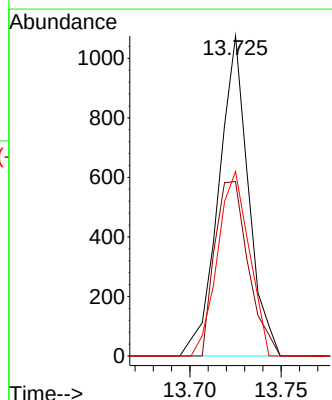
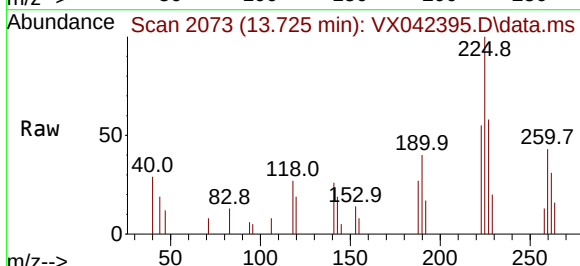
Tgt Ion:225 Resp: 1220

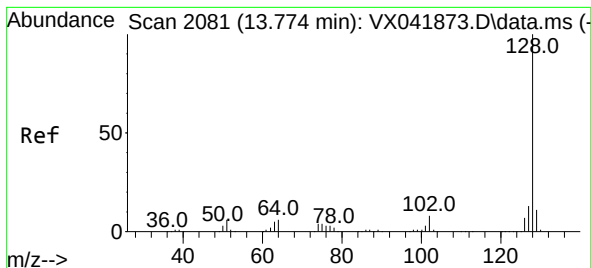
Ion Ratio Lower Upper

225 100

223 61.3 0.0 120.8

227 61.2 0.0 126.6





#91

Naphthalene

Concen: 1.706 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

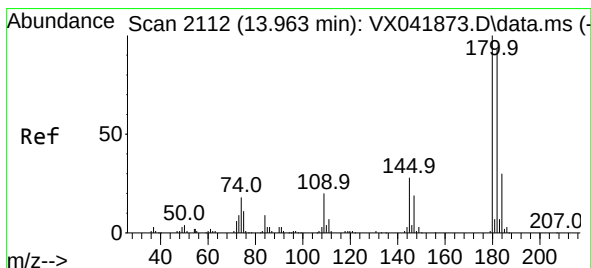
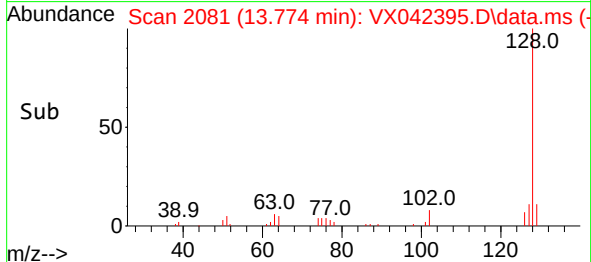
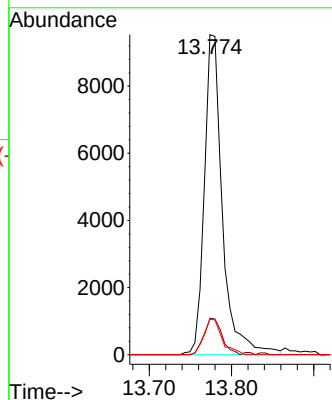
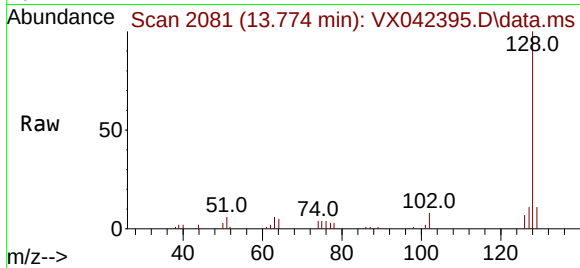
Tgt Ion:128 Resp: 14568

Ion Ratio Lower Upper

128 100

127 11.2 10.4 15.6

129 11.2 8.7 13.1



#92

1,2,3-Trichlorobenzene

Concen: 1.558 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX042395.D

Acq: 19 Jul 2024 11:19

Tgt Ion:180 Resp: 4596

Ion Ratio Lower Upper

180 100

182 89.8 0.0 187.8

145 31.0 0.0 58.4

