

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070424\
 Data File : VX042173.D
 Acq On : 03 Jul 2024 19:28
 Operator : JC/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 04 04:46:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML070324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 04 04:46:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	288503	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	260344	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	127188	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	8664	5.269	ug/L	0.00
7) Chloroethane-d5	1.648	69	5691	4.842	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	3782	4.766	ug/L	0.00
21) 2-Butanone-d5	4.623	46	81	0.067	ug/L	0.16
24) Chloroform-d	5.056	84	17469	4.924	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	10615	4.252	ug/L	0.00
32) Benzene-d6	5.977	84	35176	4.991	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.318	67	10322	4.890	ug/L	0.00
41) Toluene-d8	8.653	98	32768	4.525	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.958	79	3968	3.835	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	8269	8.459	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	15287	4.647	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	13079	5.107	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	10686	5.327	ug/L	98
3) Chloromethane	1.301	50	11071	6.245	ug/L	98
5) Vinyl chloride	1.374	62	10641	5.885	ug/L	94
6) Bromomethane	1.593	94	5740	4.761	ug/L	99
8) Chloroethane	1.666	64	5769	5.665	ug/L	99
9) Trichlorofluoromethane	1.874	101	14330	4.701	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	9657	5.182	ug/L	99
12) 1,1-Dichloroethene	2.307	96	8911	5.329	ug/L	96
13) Acetone	2.392	43	9113	7.769	ug/L	99
14) Carbon disulfide	2.502	76	20682	5.076	ug/L	98
15) Methyl Acetate	2.709	43	11098	5.316	ug/L	99
16) Methylene chloride	2.788	84	12607	6.697	ug/L	93
17) trans-1,2-Dichloroethene	3.087	96	9360	5.456	ug/L	97
18) Methyl tert-butyl Ether	3.117	73	30301	5.212	ug/L	99
19) 1,1-Dichloroethane	3.611	63	16894	5.333	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	11150	5.592	ug/L	93
22) 2-Butanone	4.581	43	13678	8.987	ug/L #	70
23) Bromochloromethane	4.910	128	5580	5.242	ug/L	92
25) Chloroform	5.099	83	17488	5.134	ug/L	99
27) 1,2-Dichloroethane	6.092	62	13208	4.758	ug/L	95
29) Cyclohexane	5.471	56	14087	4.877	ug/L	97
30) 1,1,1-Trichloroethane	5.385	97	14719	4.873	ug/L	98
31) Carbon tetrachloride	5.678	117	12113	4.533	ug/L	99
33) Benzene	6.038	78	38151	5.226	ug/L	100
34) Trichloroethene	7.129	95	10044	5.054	ug/L	91
35) Methylcyclohexane	7.373	83	13873	4.511	ug/L	94
37) 1,2-Dichloropropane	7.434	63	9676	5.241	ug/L	98
38) Bromodichloromethane	7.824	83	11325	4.608	ug/L	99
39) cis-1,3-Dichloropropene	8.373	75	12914	4.285	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	26850	9.181	ug/L	99
42) Toluene	8.720	91	40046	5.031	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	11254	4.035	ug/L	95

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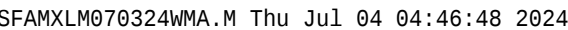
Instrument :
 MSVOA_X
 ClientSampleId :

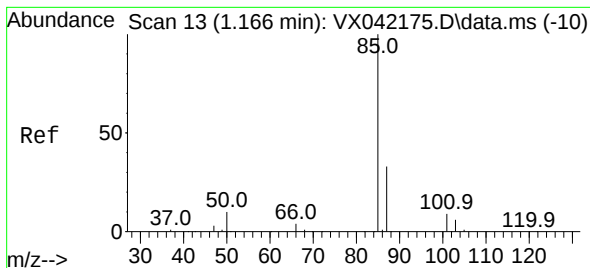
Quant Time: Jul 04 04:46:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML070324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 04 04:46:15 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	10203	5.002	ug/L	99
46) Tetrachloroethene	9.275	164	9043	4.747	ug/L	96
48) 2-Hexanone	9.433	43	20640	8.927	ug/L	98
49) Dibromochloromethane	9.525	129	9545	4.644	ug/L	93
50) 1,2-Dibromoethane	9.610	107	10849	5.119	ug/L	96
51) Chlorobenzene	10.080	112	27621	5.209	ug/L	98
52) Ethylbenzene	10.195	91	42815	4.923	ug/L	94
53) m,p-Xylene	10.305	106	16911	4.788	ug/L	100
54) o-Xylene	10.640	106	17071	4.744	ug/L	98
55) Styrene	10.659	104	26804	4.462	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.213	83	16855	5.008	ug/L	98
59) Bromoform	10.799	173	7684	5.129	ug/L	97
60) Isopropylbenzene	10.964	105	42038	5.403	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	12703	5.832	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	30686	5.671	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	32095	5.024	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	20557	5.161	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	20916	5.206	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	21992	5.388	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	2809	4.782	ug/L	88
69) 1,3,5-Trichlorobenzene	13.116	180	13814	4.576	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	12325	4.527	ug/L	98
71) Naphthalene	13.774	128	38867	4.829	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	13578	4.873	ug/L	98

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

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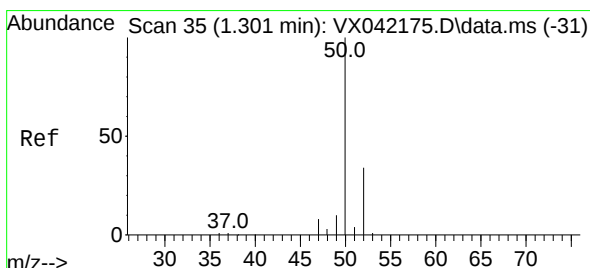
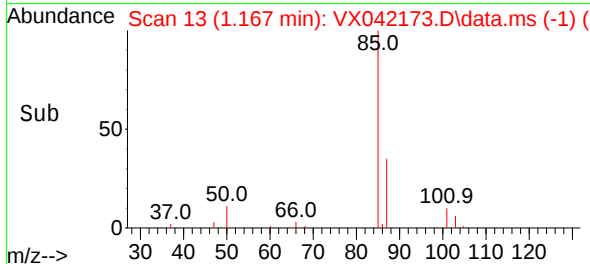
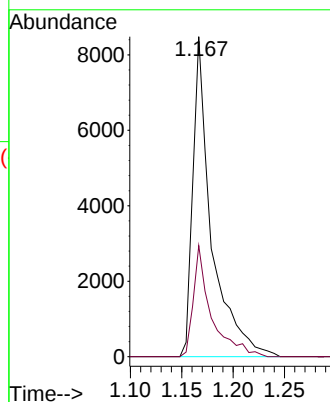
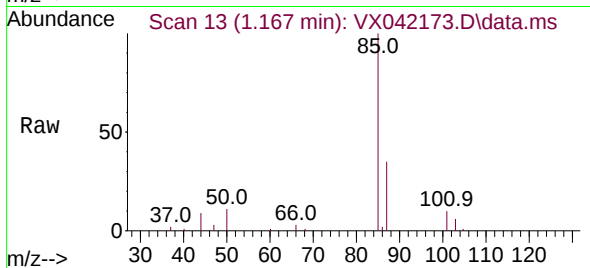




#2
Dichlorodifluoromethane
Concen: 5.327 ug/L
RT: 1.167 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

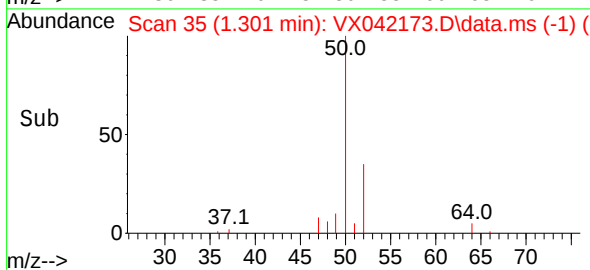
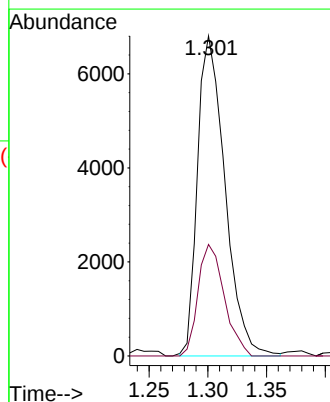
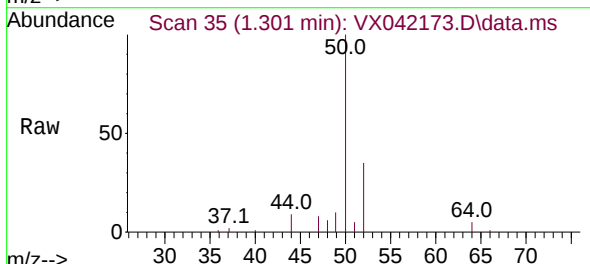
Instrument :
MSVOA_X
ClientSampleId :

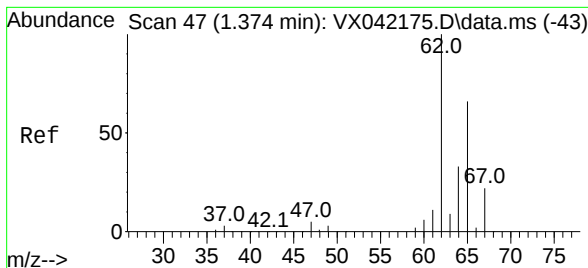
Tgt Ion: 85 Resp: 10686
Ion Ratio Lower Upper
85 100
87 33.4 26.0 39.0



#3
Chloromethane
Concen: 6.245 ug/L
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion: 50 Resp: 11071
Ion Ratio Lower Upper
50 100
52 34.8 23.5 43.7





#5

Vinyl chloride

Concen: 5.885 ug/L

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

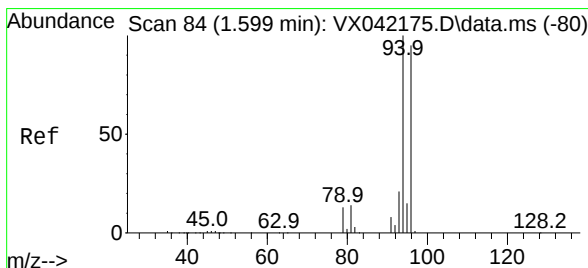
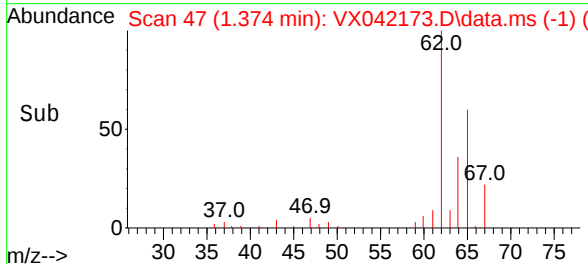
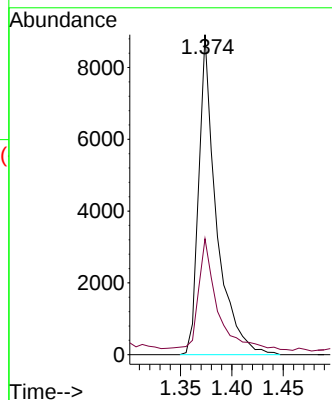
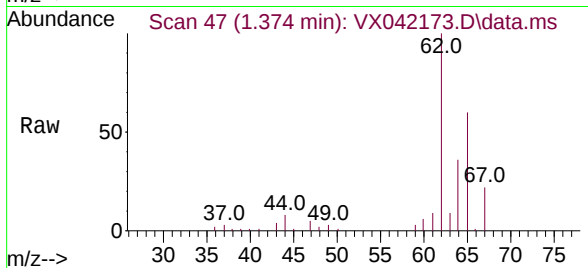
ClientSampleId :

Tgt Ion: 62 Resp: 10641

Ion Ratio Lower Upper

62 100

64 36.3 23.2 43.0



#6

Bromomethane

Concen: 4.761 ug/L

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX042173.D

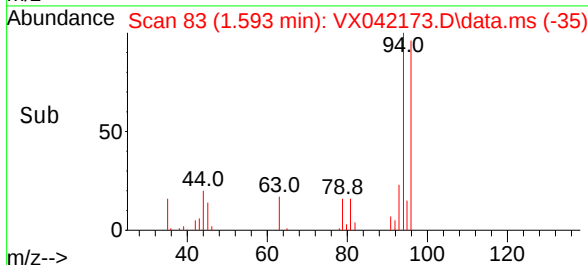
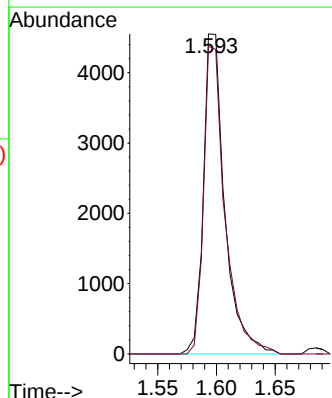
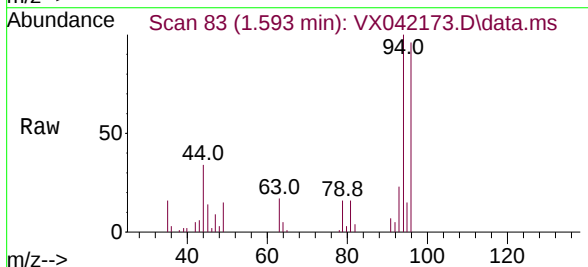
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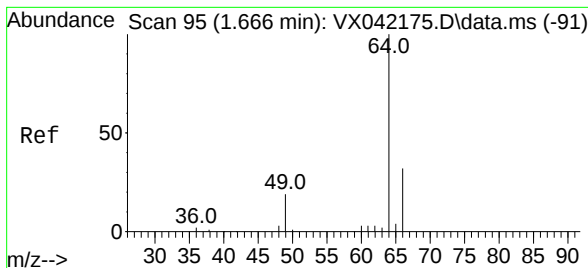
Tgt Ion: 94 Resp: 5740

Ion Ratio Lower Upper

94 100

96 96.2 66.4 123.4





#8

Chloroethane

Concen: 5.665 ug/L

RT: 1.666 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

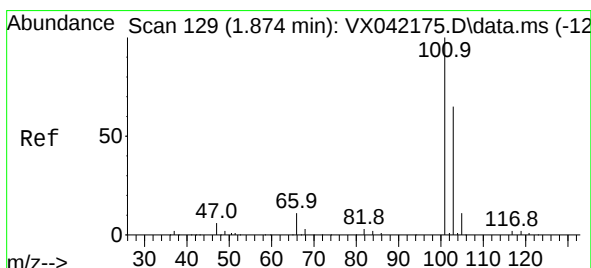
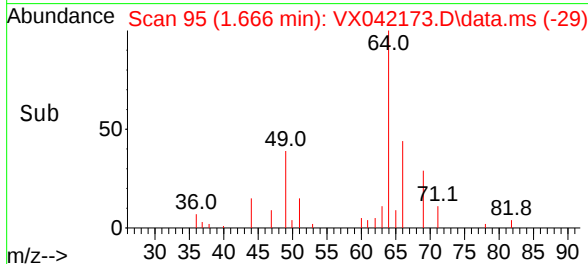
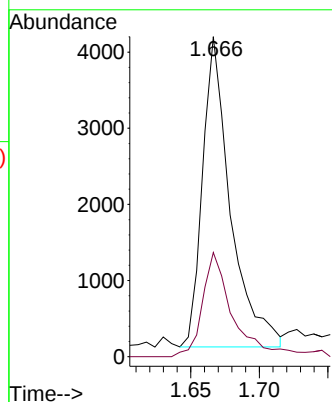
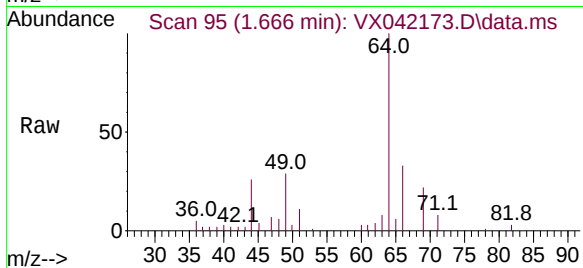
ClientSampleId :

Tgt Ion: 64 Resp: 5769

Ion Ratio Lower Upper

64 100

66 32.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 4.701 ug/L

RT: 1.874 min Scan# 129

Delta R.T. 0.000 min

Lab File: VX042173.D

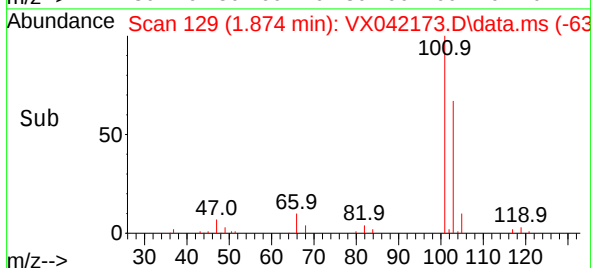
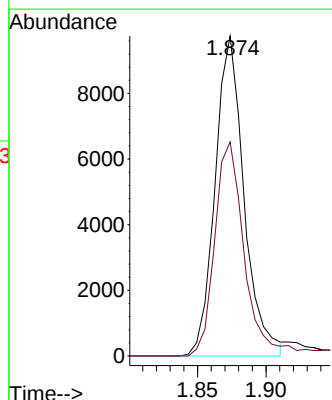
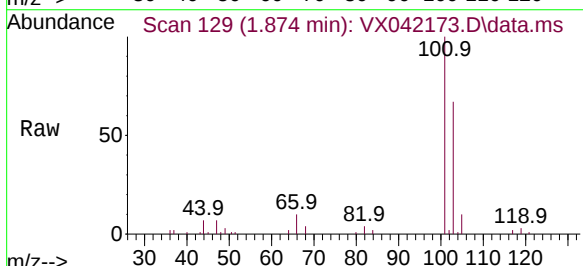
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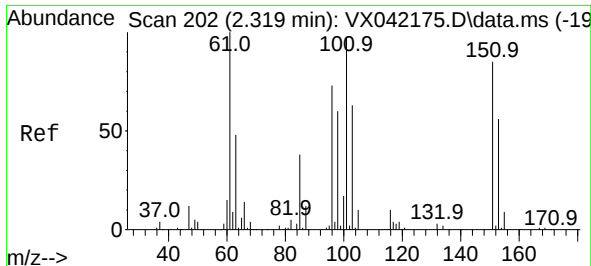
Tgt Ion:101 Resp: 14330

Ion Ratio Lower Upper

101 100

103 66.6 50.2 75.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.182 ug/L

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

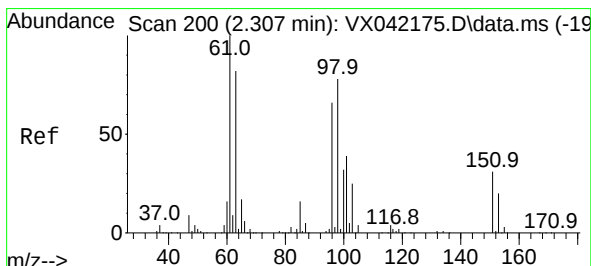
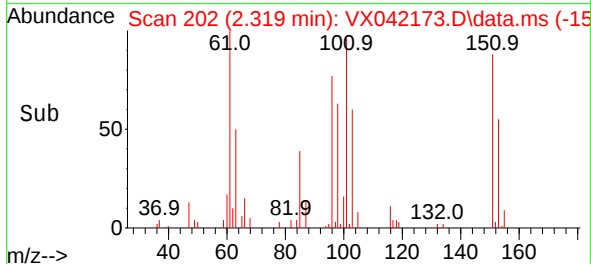
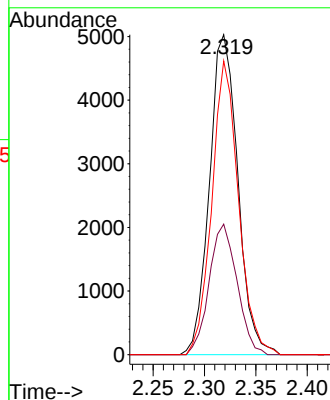
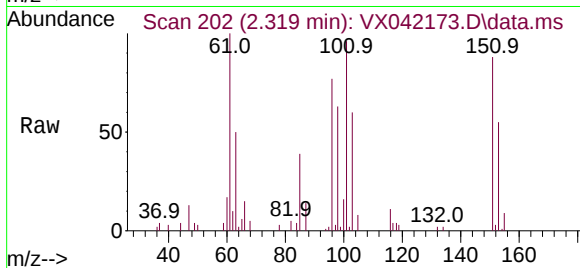
Tgt Ion:101 Resp: 9657

Ion Ratio Lower Upper

101 100

85 40.1 31.3 46.9

151 86.2 69.7 104.5



#12

1,1-Dichloroethene

Concen: 5.329 ug/L

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

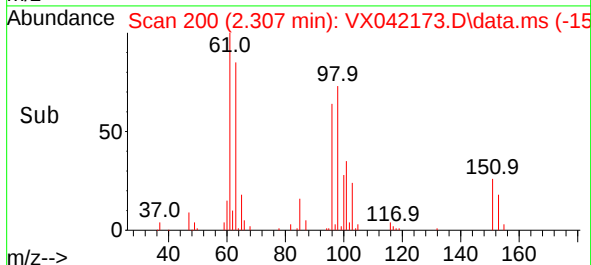
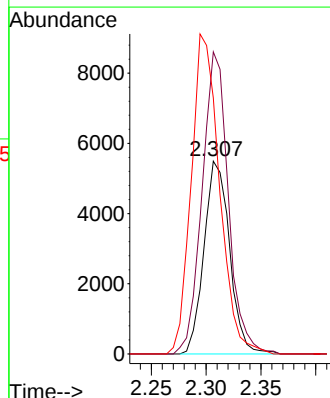
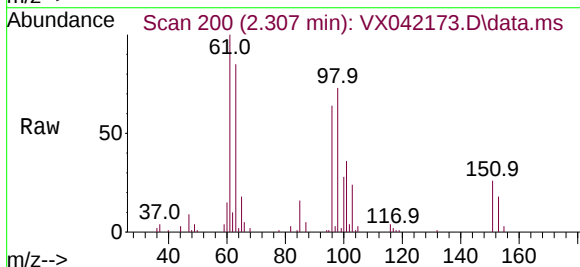
Tgt Ion: 96 Resp: 8911

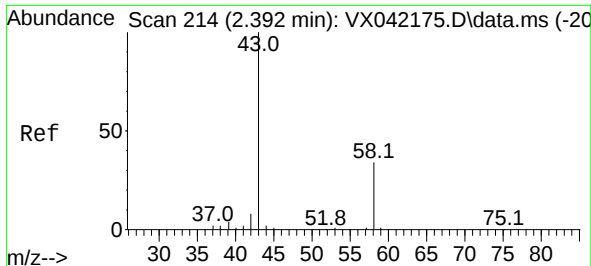
Ion Ratio Lower Upper

96 100

61 156.7 106.7 198.1

63 132.8 89.2 165.6





#13

Acetone

Concen: 7.769 ug/L

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

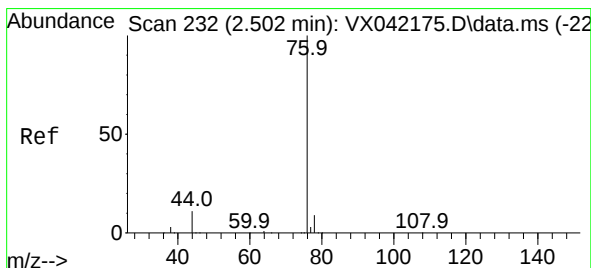
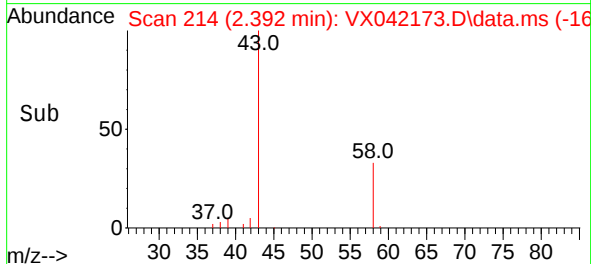
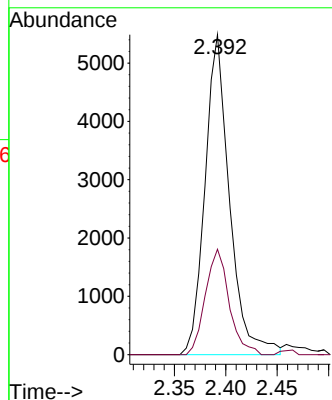
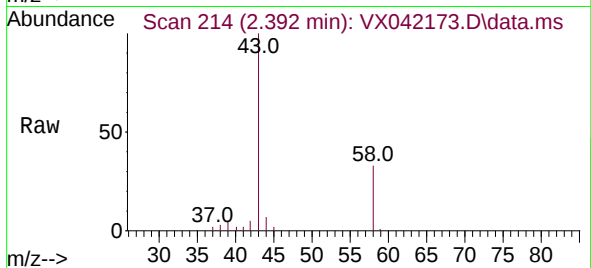
ClientSampleId :

Tgt Ion: 43 Resp: 9113

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.6



#14

Carbon disulfide

Concen: 5.076 ug/L

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX042173.D

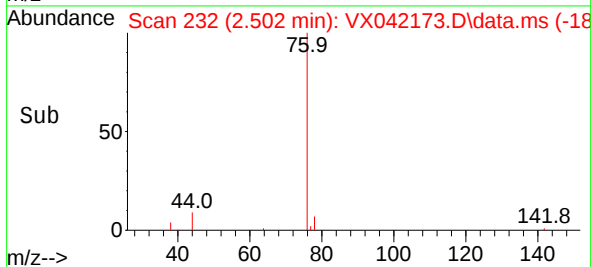
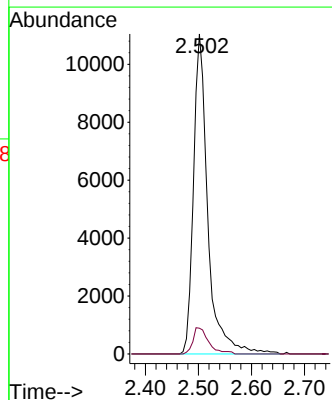
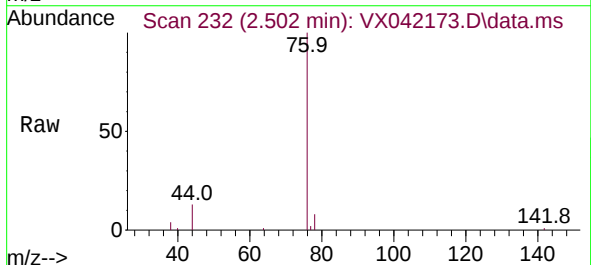
Acq: 03 Jul 2024 19:28

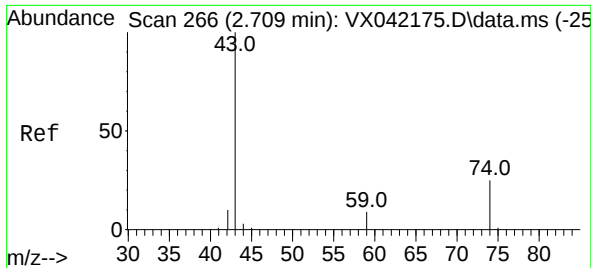
Tgt Ion: 76 Resp: 20682

Ion Ratio Lower Upper

76 100

78 8.0 7.1 10.7

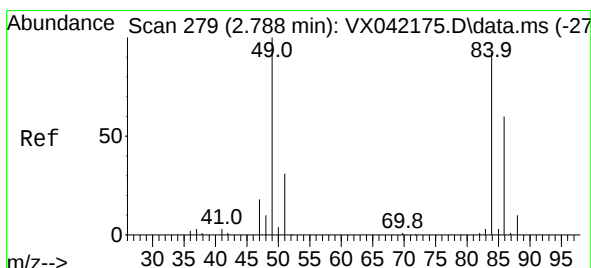
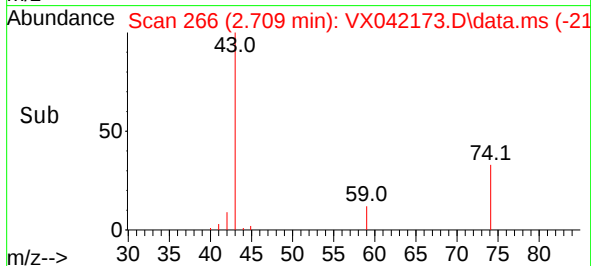
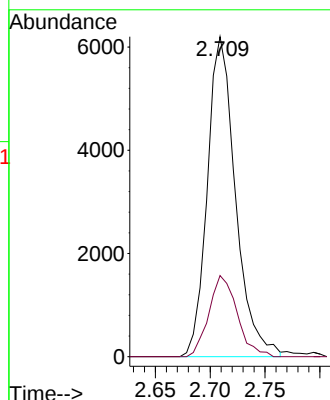
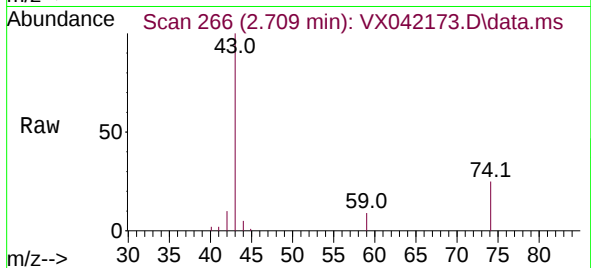




#15
Methyl Acetate
Concen: 5.316 ug/L
RT: 2.709 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

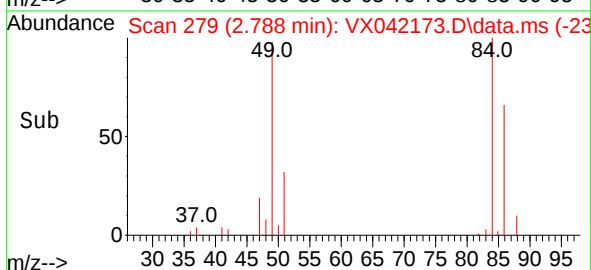
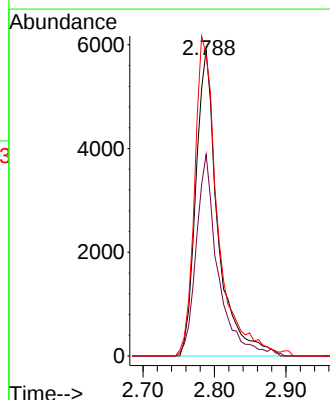
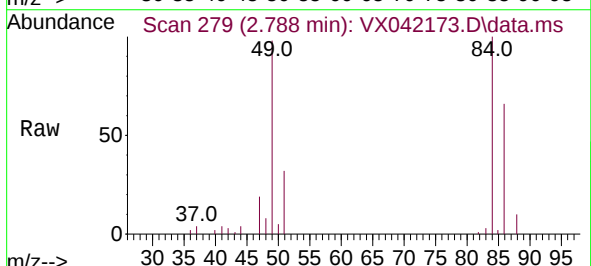
Instrument :
MSVOA_X
ClientSampleId :

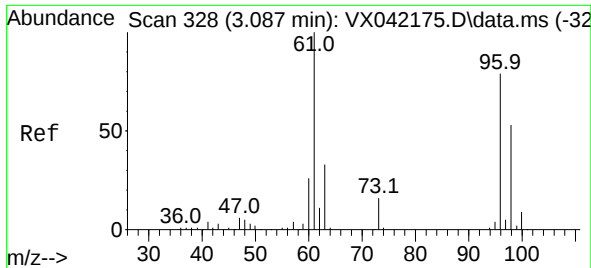
Tgt Ion: 43 Resp: 11098
Ion Ratio Lower Upper
43 100
74 25.4 20.1 30.1



#16
Methylene chloride
Concen: 6.697 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion: 84 Resp: 12607
Ion Ratio Lower Upper
84 100
86 65.9 45.7 84.9
49 98.4 76.4 141.8



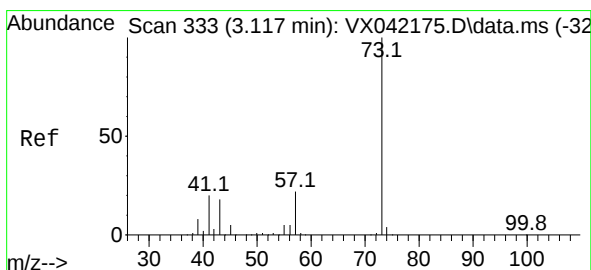
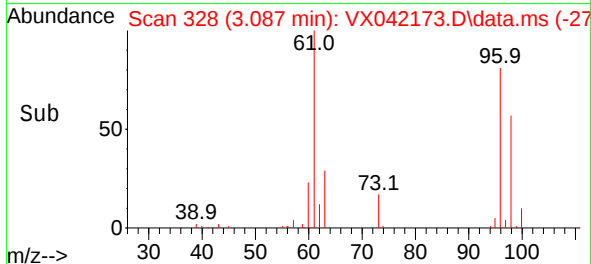
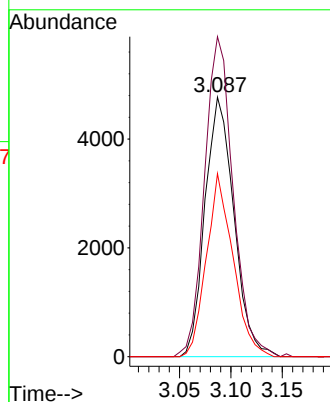
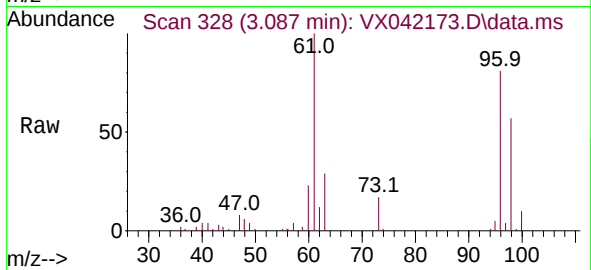


#17
trans-1,2-Dichloroethene
Concen: 5.456 ug/L
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 96 Resp: 9360

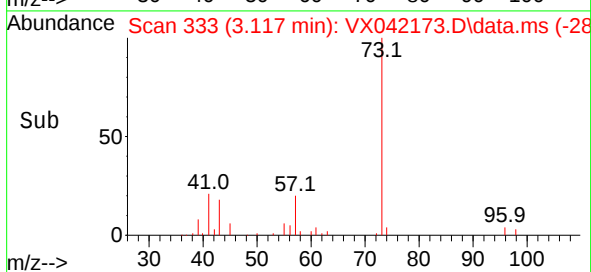
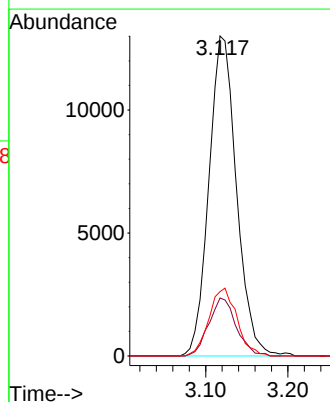
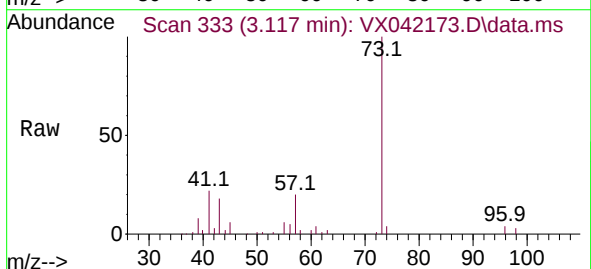
Ion	Ratio	Lower	Upper
96	100		
61	123.3	88.4	164.2
98	70.5	46.5	86.5

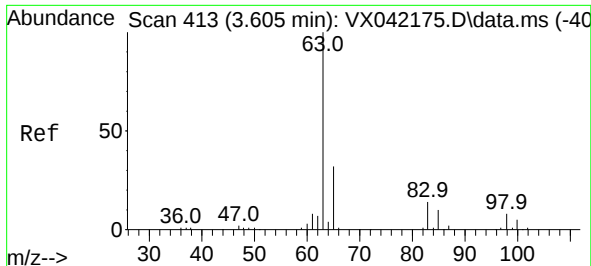


#18
Methyl tert-butyl Ether
Concen: 5.212 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion: 73 Resp: 30301

Ion	Ratio	Lower	Upper
73	100		
43	17.9	14.5	21.7
57	21.4	17.5	26.3





#19

1,1-Dichloroethane

Concen: 5.333 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

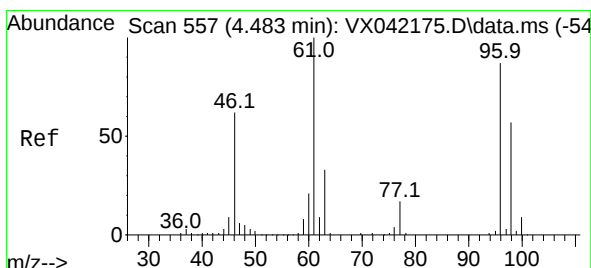
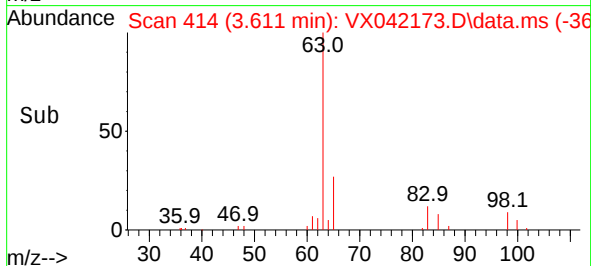
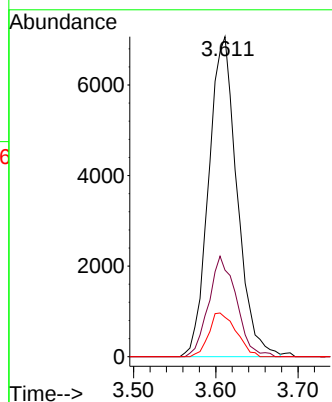
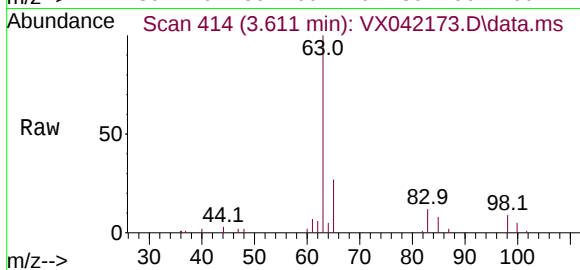
Tgt Ion: 63 Resp: 16894

Ion Ratio Lower Upper

63 100

65 27.0 22.2 41.2

83 12.3 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 5.592 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

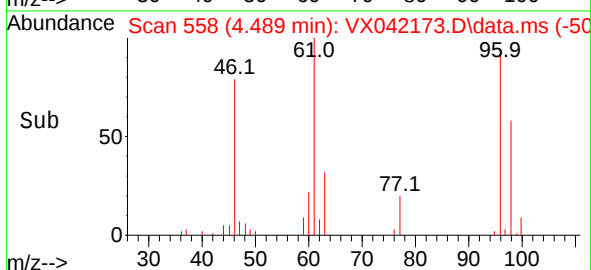
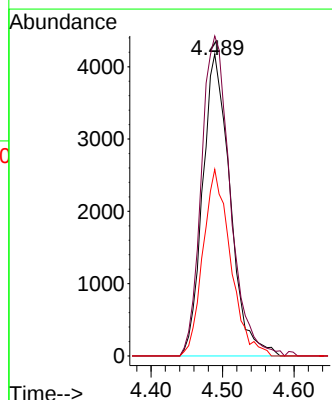
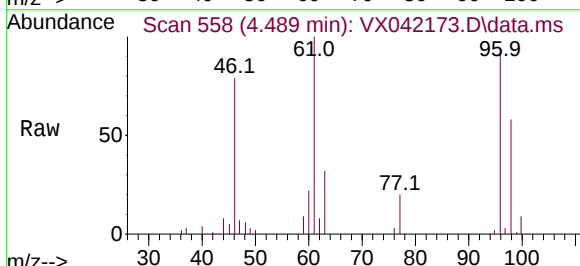
Tgt Ion: 96 Resp: 11150

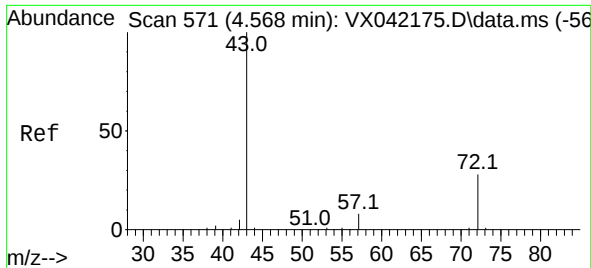
Ion Ratio Lower Upper

96 100

61 106.0 80.5 149.5

98 61.8 45.7 84.9

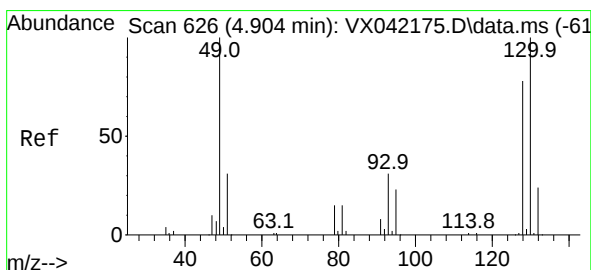
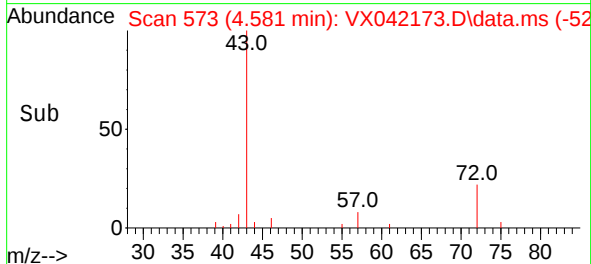
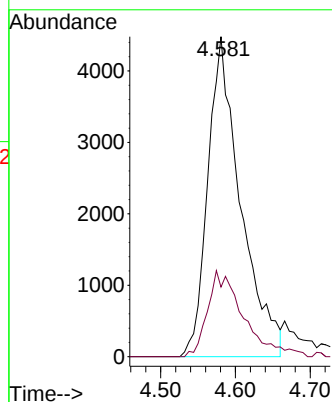
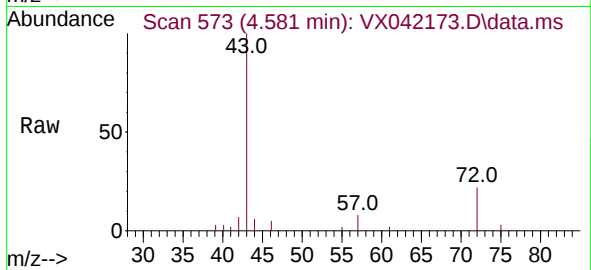




#22
2-Butanone
Concen: 8.987 ug/L
RT: 4.581 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

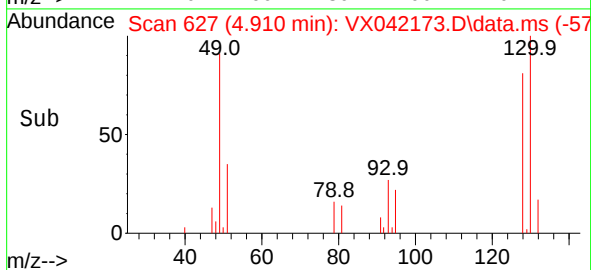
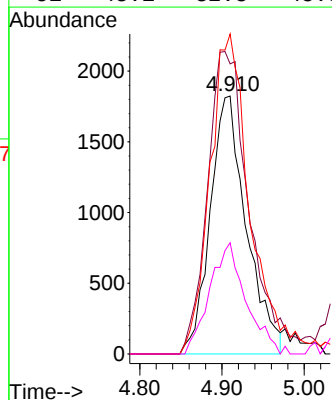
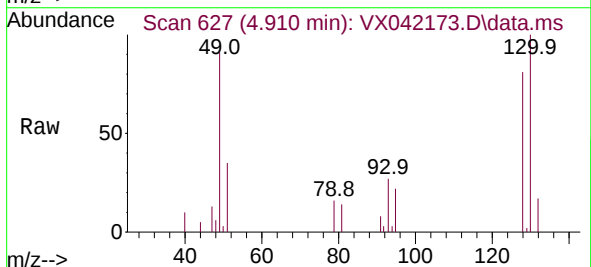
Instrument :
MSVOA_X
ClientSampleId :

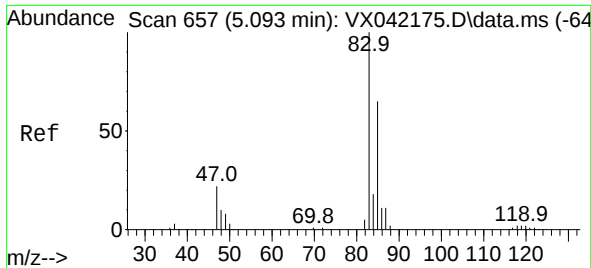
Tgt Ion: 43 Resp: 13678
Ion Ratio Lower Upper
43 100
72 11.9 13.7 41.1#



#23
Bromochloromethane
Concen: 5.242 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.006 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion: 128 Resp: 5580
Ion Ratio Lower Upper
128 100
49 112.4 89.7 166.7
130 124.1 90.0 167.2
51 43.1 32.3 48.5





#25

Chloroform

Concen: 5.134 ug/L

RT: 5.099 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

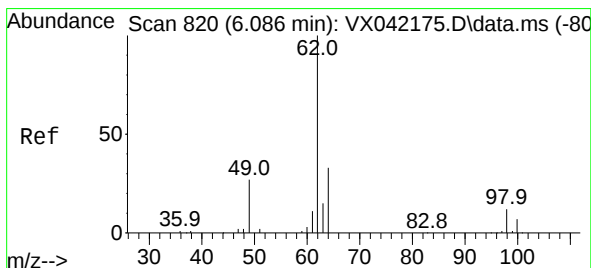
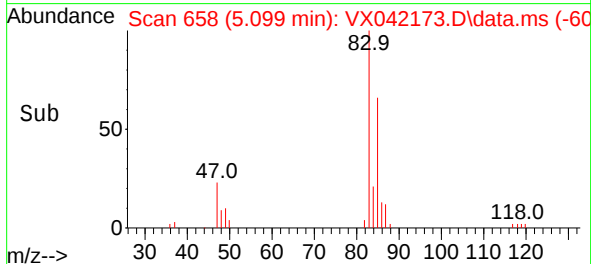
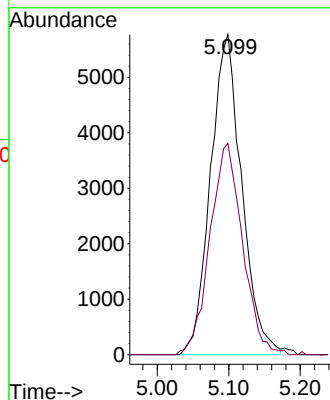
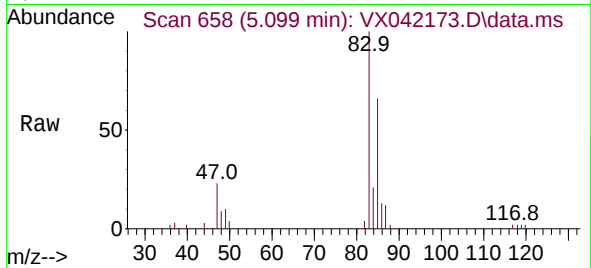
ClientSampleId :

Tgt Ion: 83 Resp: 17488

Ion Ratio Lower Upper

83 100

85 66.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 4.758 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX042173.D

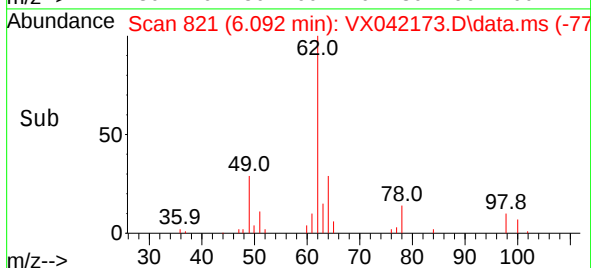
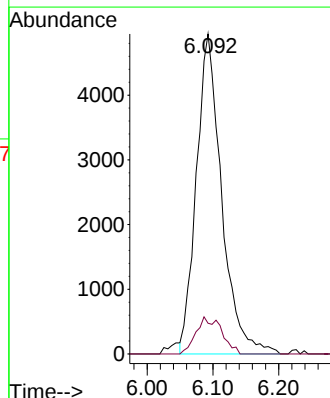
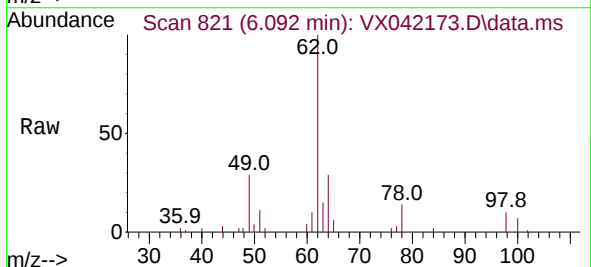
Acq: 03 Jul 2024 19:28

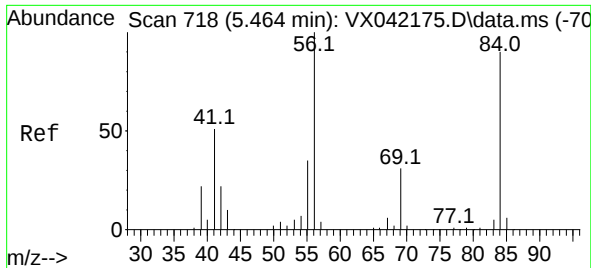
Tgt Ion: 62 Resp: 13208

Ion Ratio Lower Upper

62 100

98 9.6 9.3 13.9





#29

Cyclohexane

Concen: 4.877 ug/L

RT: 5.471 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

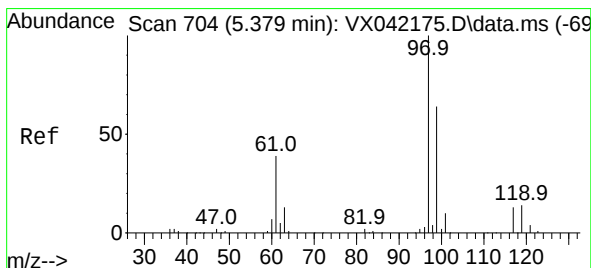
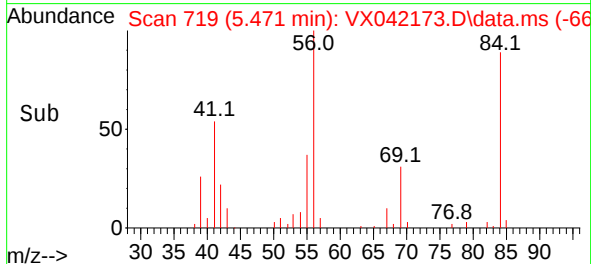
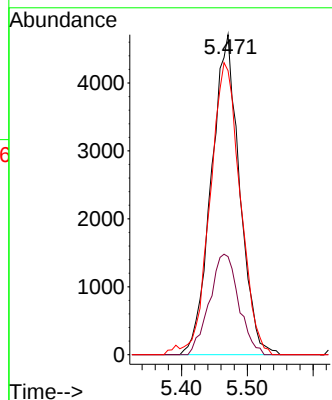
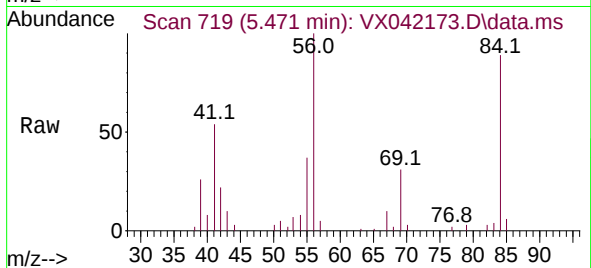
Tgt Ion: 56 Resp: 14087

Ion Ratio Lower Upper

56 100

69 32.4 25.3 37.9

84 96.5 74.0 111.0



#30

1,1,1-Trichloroethane

Concen: 4.873 ug/L

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

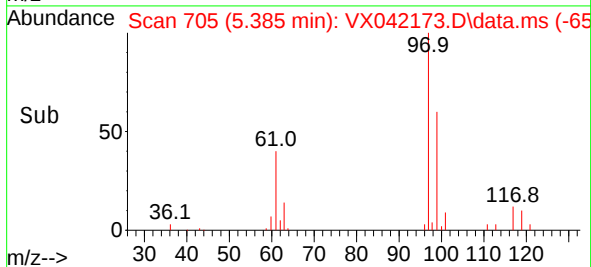
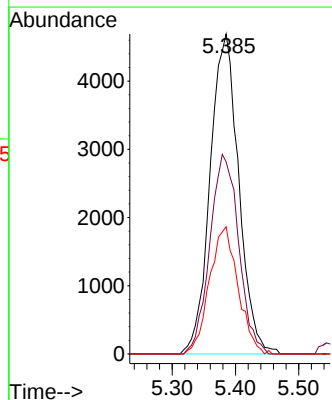
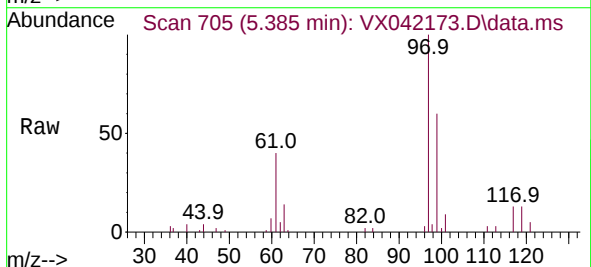
Tgt Ion: 97 Resp: 14719

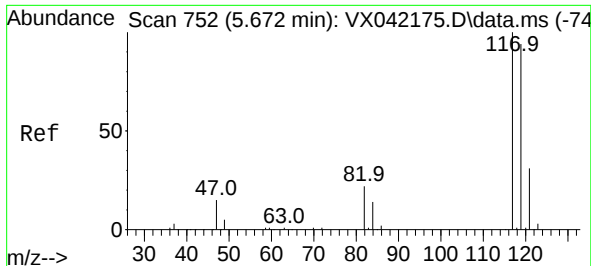
Ion Ratio Lower Upper

97 100

99 62.9 52.0 78.0

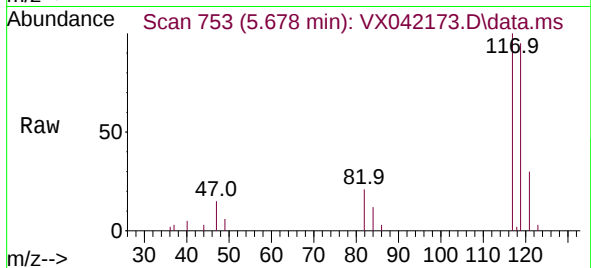
61 39.6 31.2 46.8



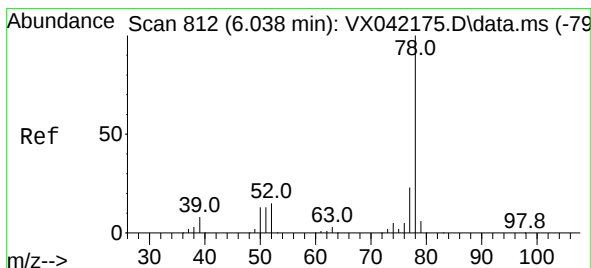
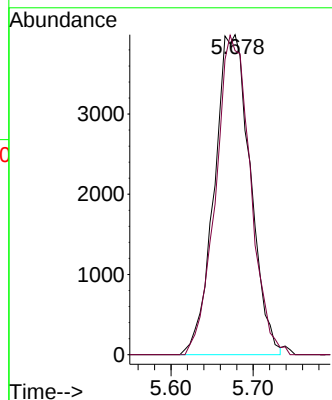
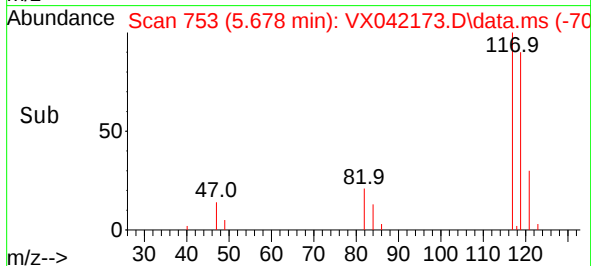


#31
Carbon tetrachloride
Concen: 4.533 ug/L
RT: 5.678 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Instrument :
MSVOA_X
ClientSampleId :

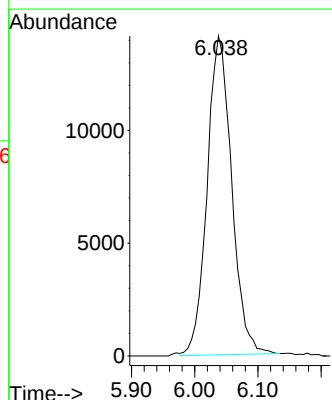
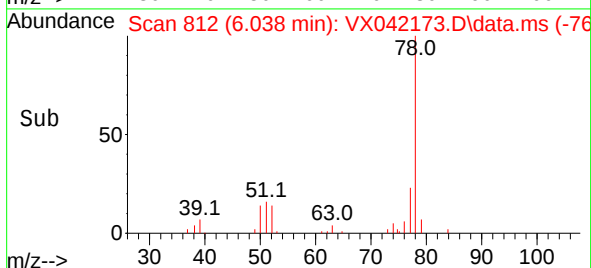
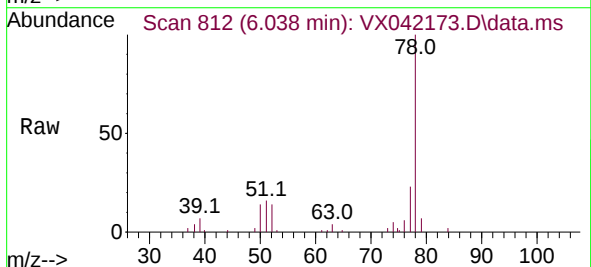


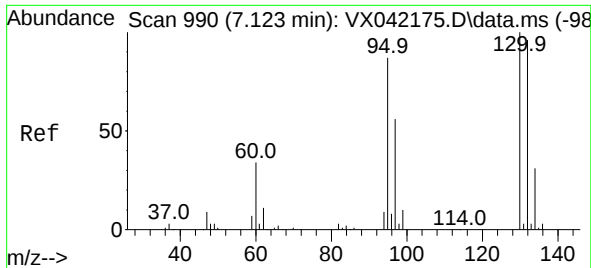
Tgt Ion:117 Resp: 12113
Ion Ratio Lower Upper
117 100
119 96.3 77.7 116.5



#33
Benzene
Concen: 5.226 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

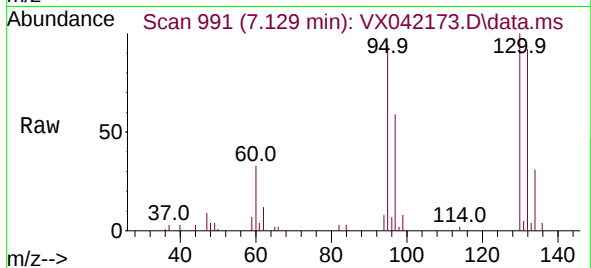
Tgt Ion: 78 Resp: 38151



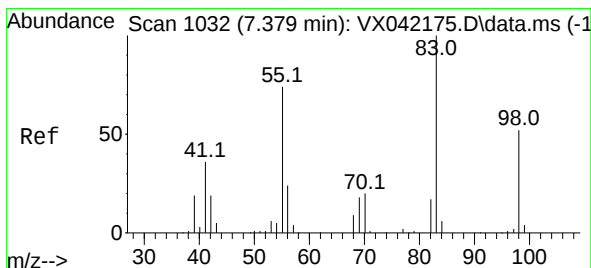
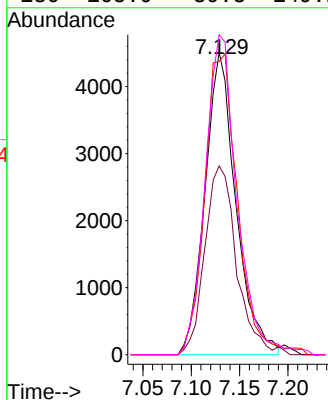
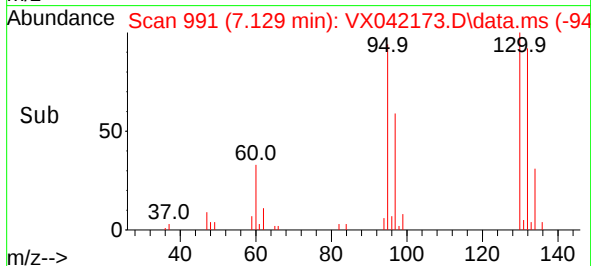


#34
Trichloroethene
Concen: 5.054 ug/L
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

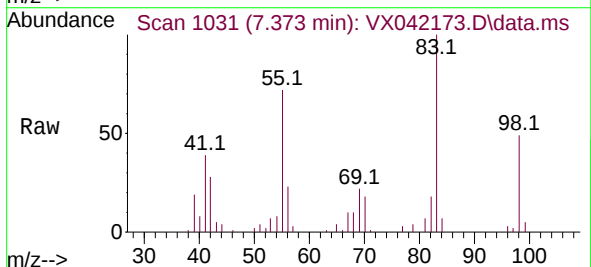
Instrument :
MSVOA_X
ClientSampleId :



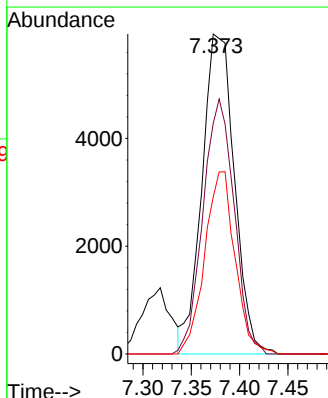
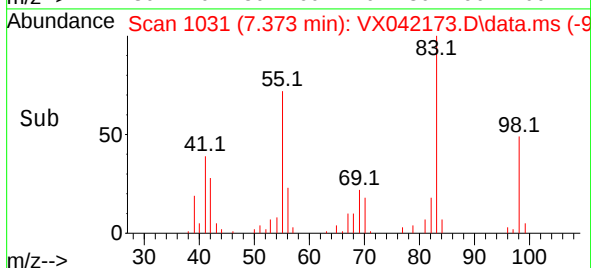
Tgt Ion: 95 Resp: 10044
Ion Ratio Lower Upper
95 100
97 62.5 45.1 83.7
132 96.9 77.2 143.4
130 105.9 80.3 149.1

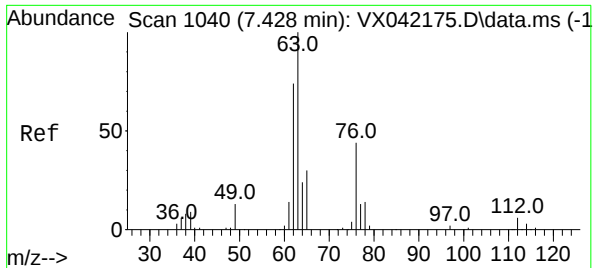


#35
Methylcyclohexane
Concen: 4.511 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28



Tgt Ion: 83 Resp: 13873
Ion Ratio Lower Upper
83 100
55 76.3 56.4 84.6
98 53.3 40.4 60.6





#37

1,2-Dichloropropane

Concen: 5.241 ug/L

RT: 7.434 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

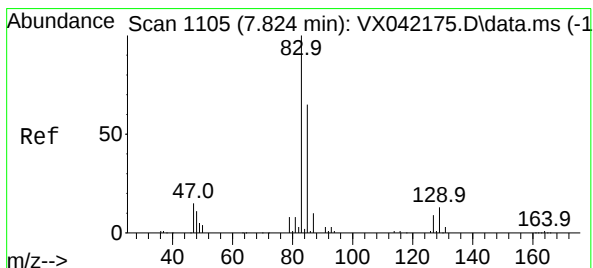
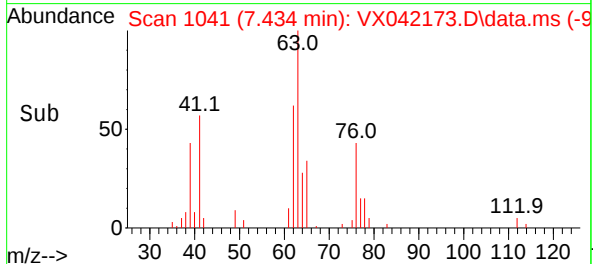
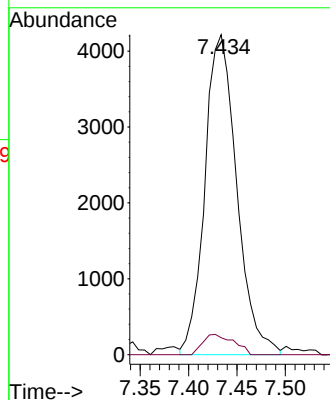
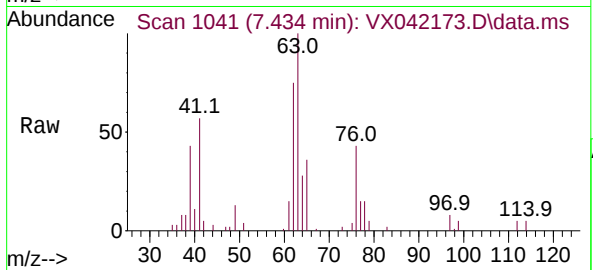
ClientSampleId :

Tgt Ion: 63 Resp: 9676

Ion Ratio Lower Upper

63 100

112 6.1 4.3 6.5



#38

Bromodichloromethane

Concen: 4.608 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

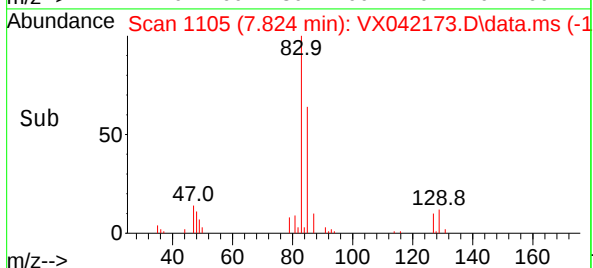
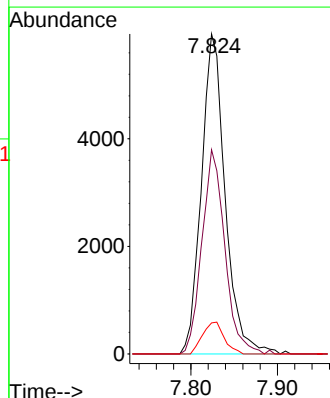
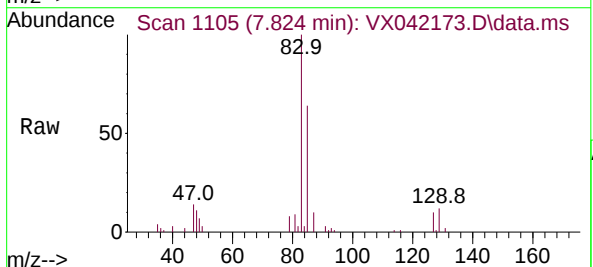
Tgt Ion: 83 Resp: 11325

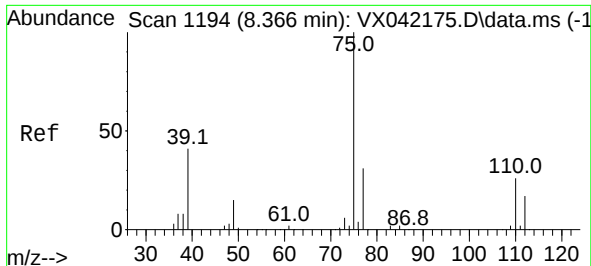
Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.2

127 9.7 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 4.285 ug/L

RT: 8.373 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

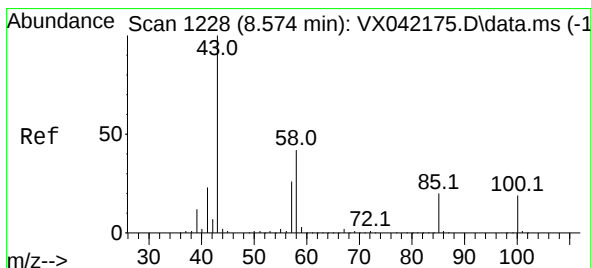
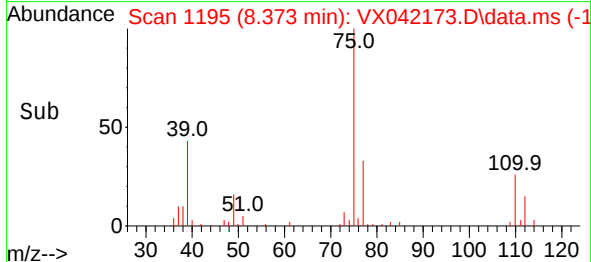
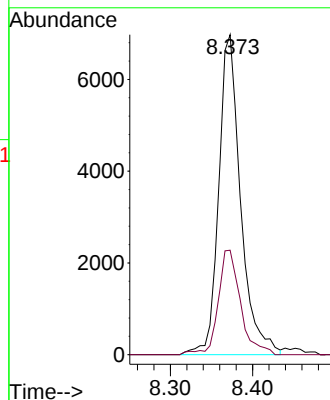
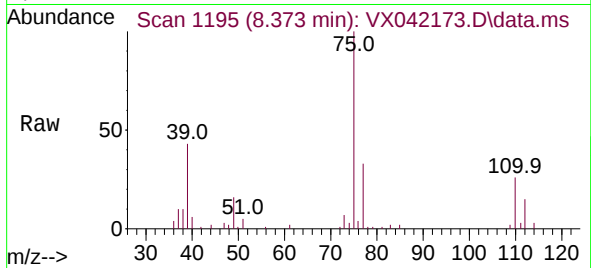
ClientSampleId :

Tgt Ion: 75 Resp: 12914

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 9.181 ug/L

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

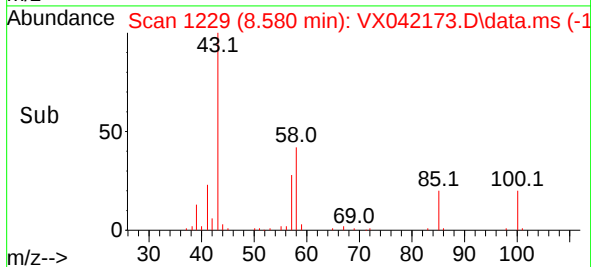
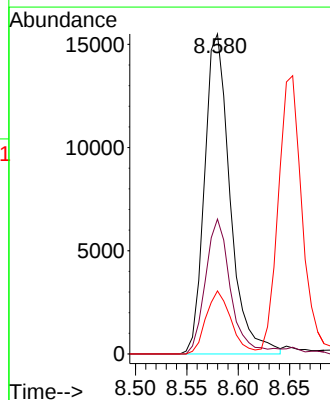
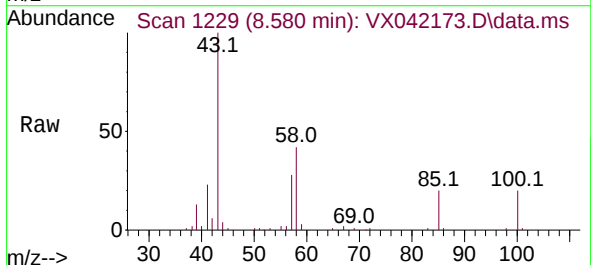
Tgt Ion: 43 Resp: 26850

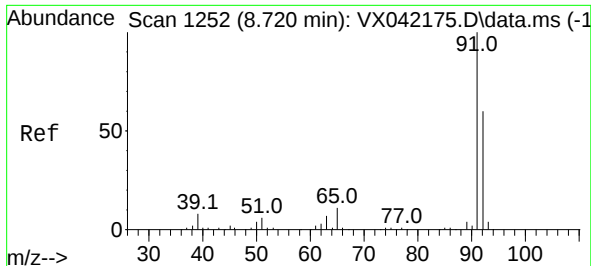
Ion Ratio Lower Upper

43 100

58 41.0 33.7 50.5

100 19.3 15.4 23.2





#42

Toluene

Concen: 5.031 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

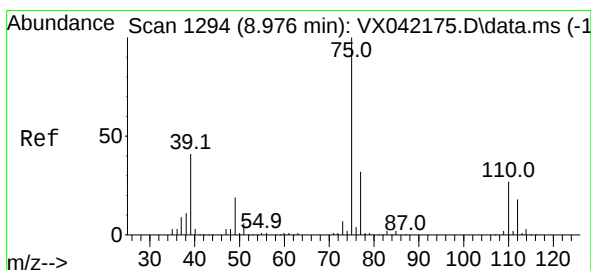
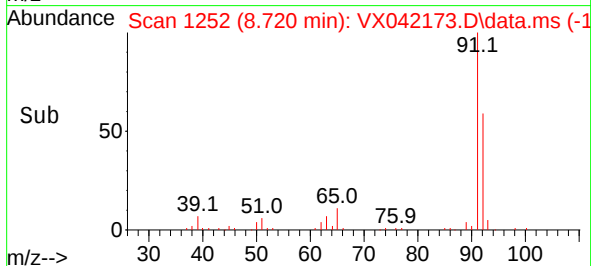
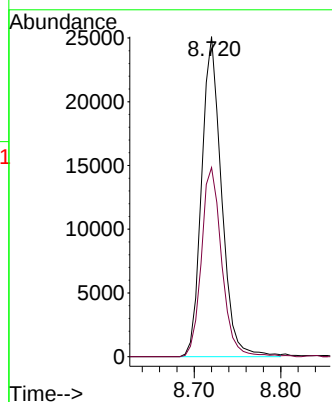
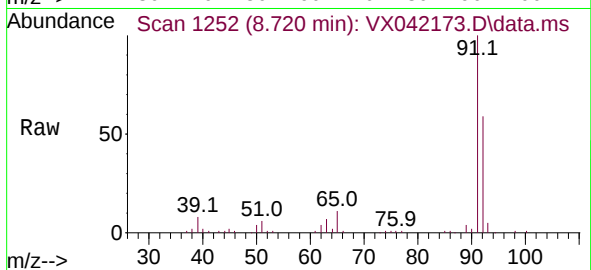
ClientSampleId :

Tgt Ion: 91 Resp: 40046

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 4.035 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX042173.D

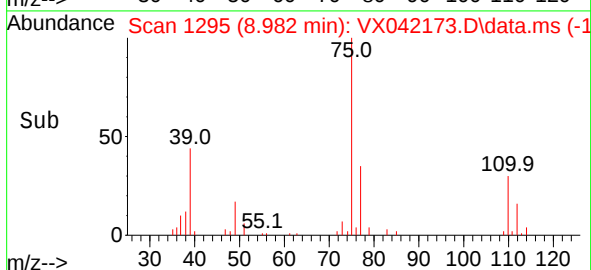
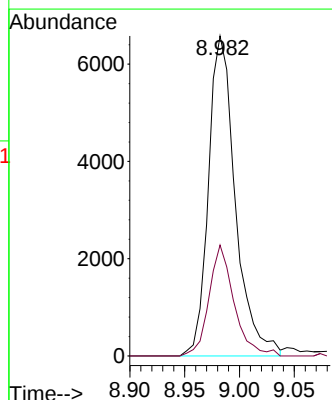
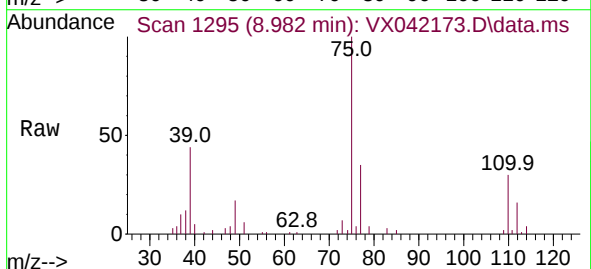
Acq: 03 Jul 2024 19:28

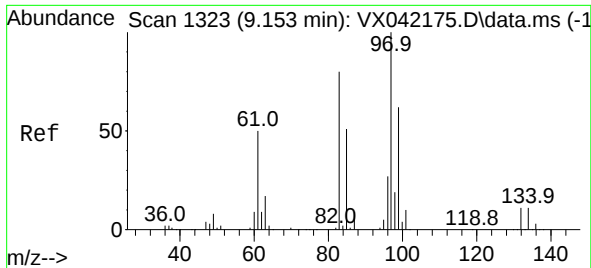
Tgt Ion: 75 Resp: 11254

Ion Ratio Lower Upper

75 100

77 34.7 22.2 41.2

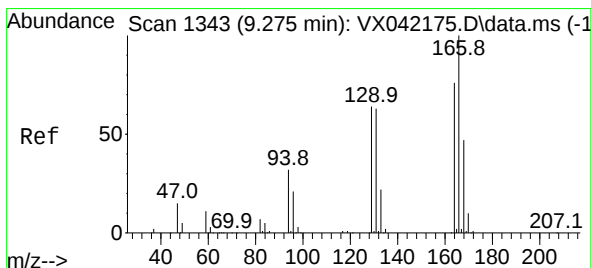
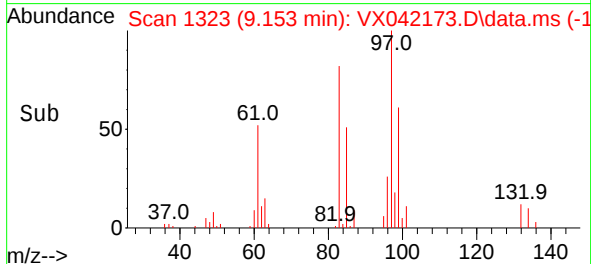
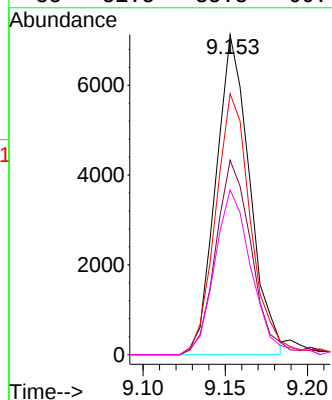
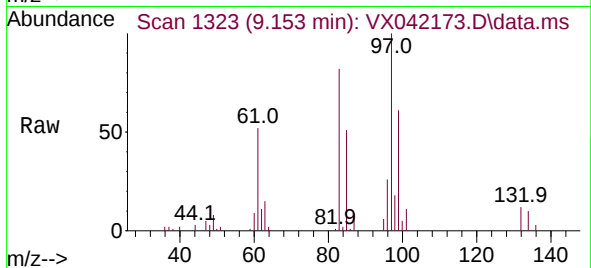




#45
1,1,2-Trichloroethane
Concen: 5.002 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

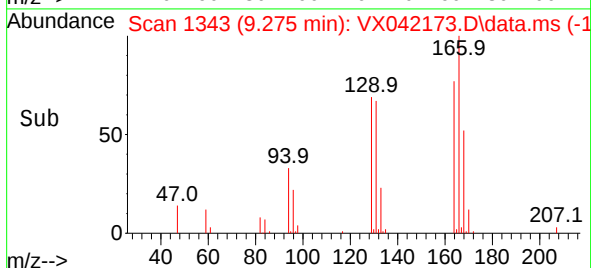
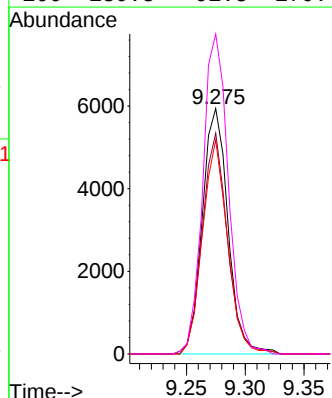
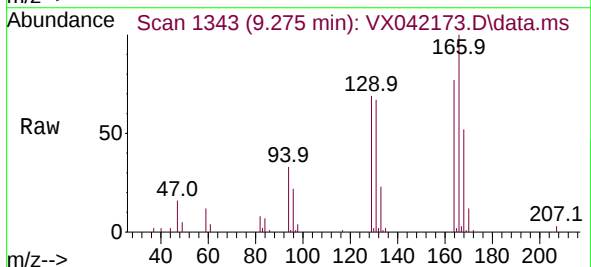
Instrument :
MSVOA_X
ClientSampleId :

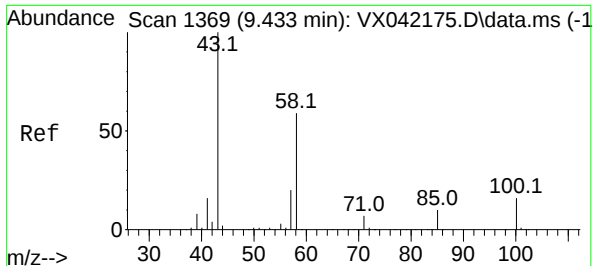
Tgt Ion: 97	Resp: 10203
Ion Ratio	Lower Upper
97 100	
99 60.7	43.3 80.3
83 81.5	56.2 104.4
85 51.5	35.8 66.4



#46
Tetrachloroethene
Concen: 4.747 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion:164	Resp: 9043
Ion Ratio	Lower Upper
164 100	
129 90.0	58.6 108.8
131 87.2	57.9 107.5
166 130.3	91.8 170.4





#48

2-Hexanone

Concen: 8.927 ug/L

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 20640

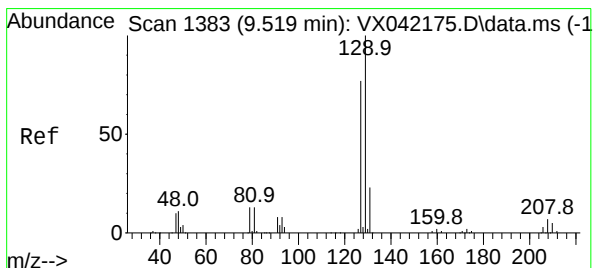
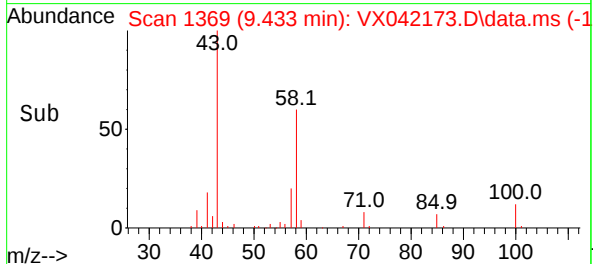
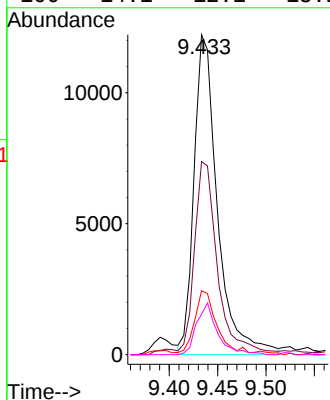
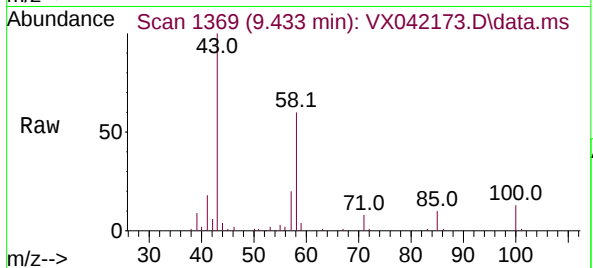
Ion Ratio Lower Upper

43 100

58 57.0 46.4 69.6

57 18.5 16.3 24.5

100 14.1 12.1 18.1



#49

Dibromochloromethane

Concen: 4.644 ug/L

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX042173.D

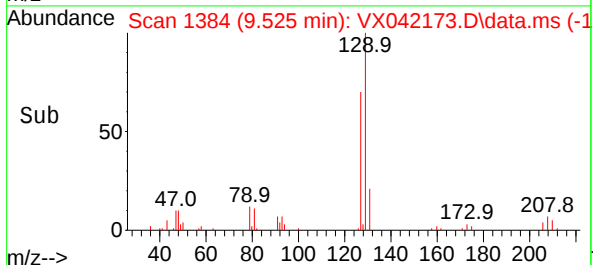
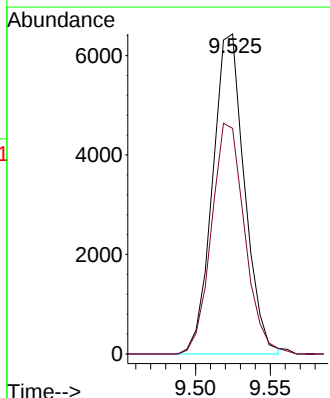
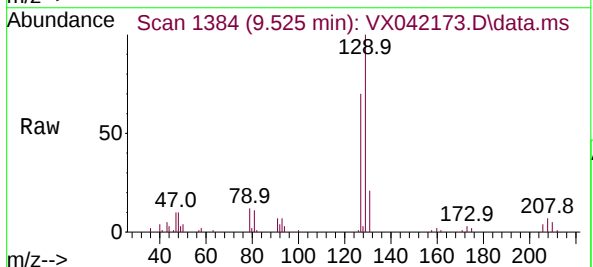
Acq: 03 Jul 2024 19:28

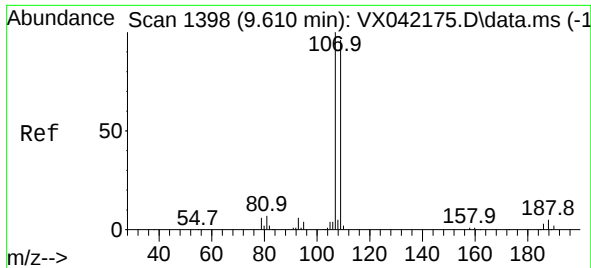
Tgt Ion: 129 Resp: 9545

Ion Ratio Lower Upper

129 100

127 70.5 53.7 99.7

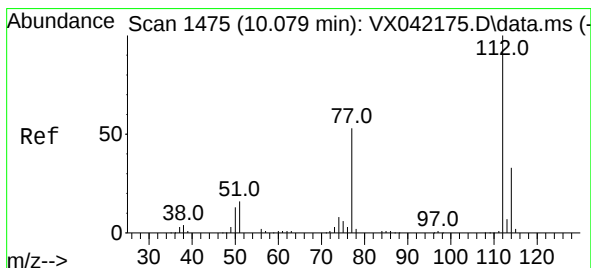
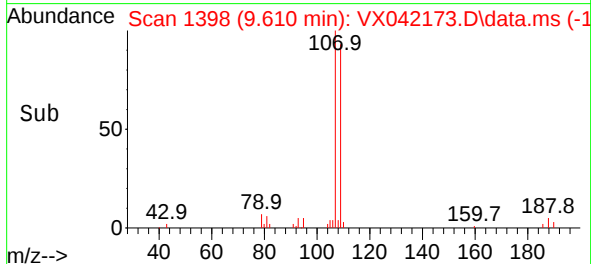
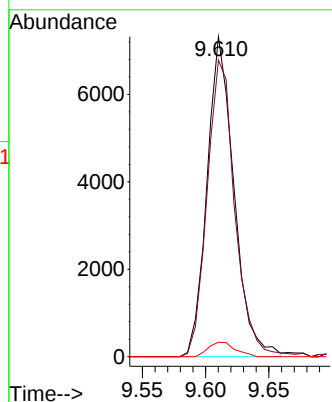
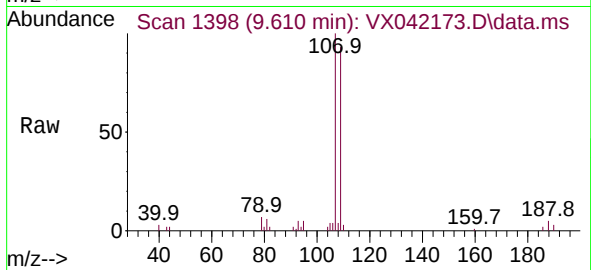




#50
1,2-Dibromoethane
Concen: 5.119 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

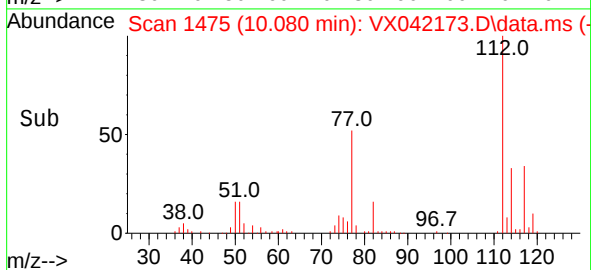
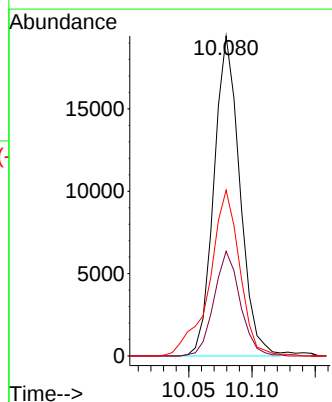
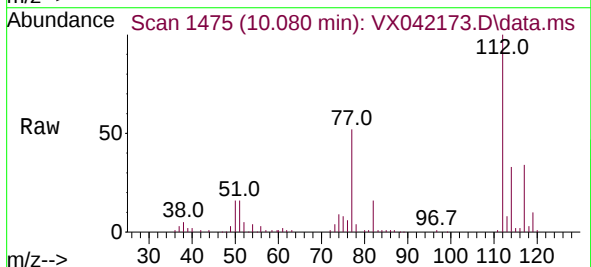
Instrument :
MSVOA_X
ClientSampleId :

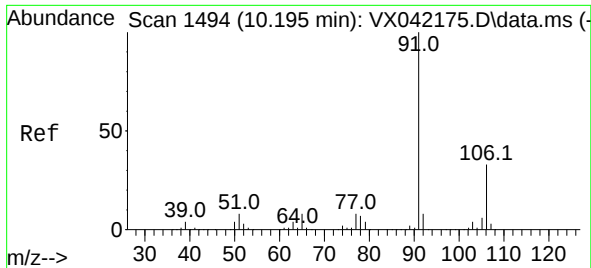
Tgt Ion:107 Resp: 10849
Ion Ratio Lower Upper
107 100
109 92.7 67.5 125.3
188 4.5 4.2 6.2



#51
Chlorobenzene
Concen: 5.209 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion:112 Resp: 27621
Ion Ratio Lower Upper
112 100
114 32.7 23.2 43.2
77 51.8 43.0 64.4

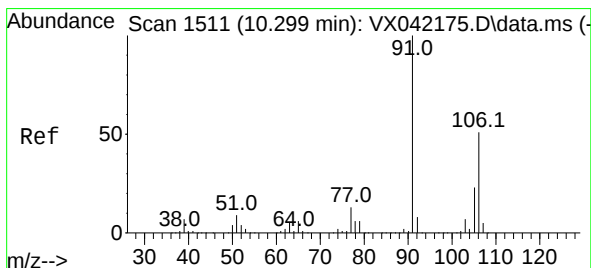
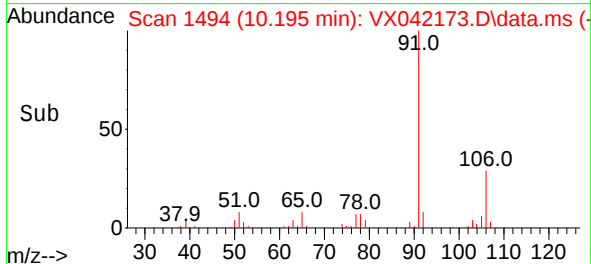
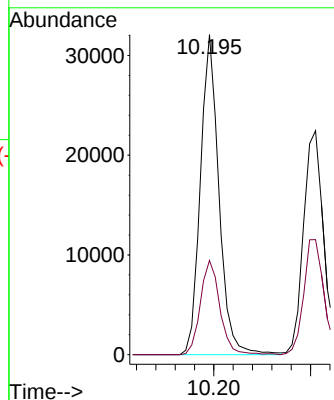
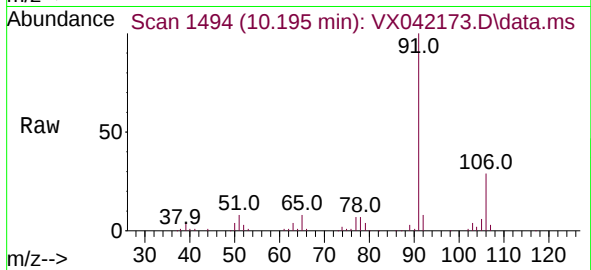




#52
Ethylbenzene
Concen: 4.923 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

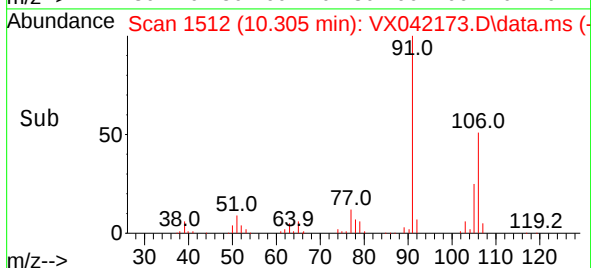
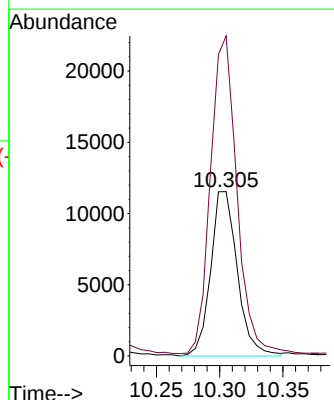
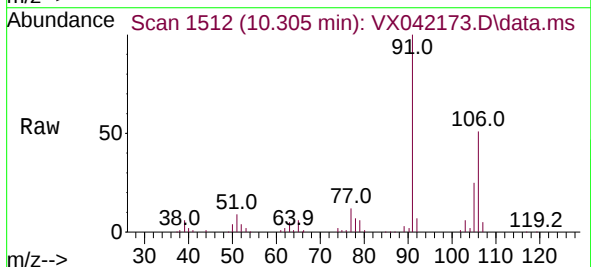
Instrument :
MSVOA_X
ClientSampleId :

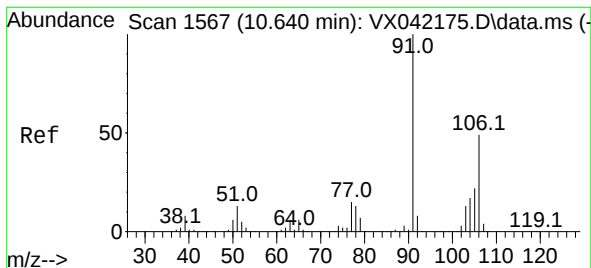
Tgt Ion: 91 Resp: 42815
Ion Ratio Lower Upper
91 100
106 29.5 23.1 42.9



#53
m,p-Xylene
Concen: 4.788 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion: 106 Resp: 16911
Ion Ratio Lower Upper
106 100
91 194.8 136.4 253.2





#54

o-Xylene

Concen: 4.744 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

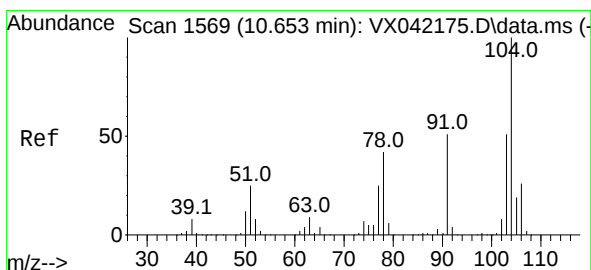
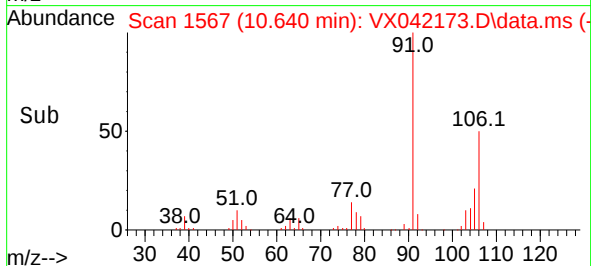
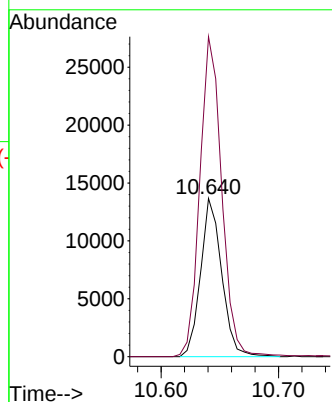
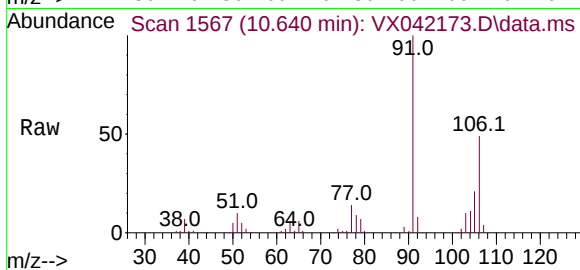
ClientSampleId :

Tgt Ion:106 Resp: 17071

Ion Ratio Lower Upper

106 100

91 202.3 143.4 266.2



#55

Styrene

Concen: 4.462 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX042173.D

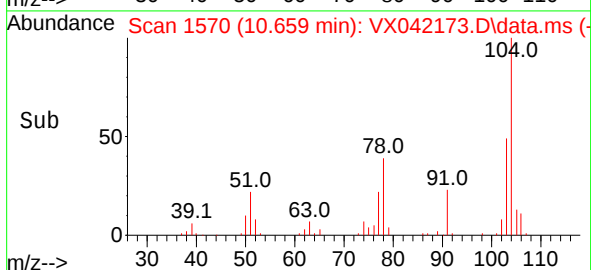
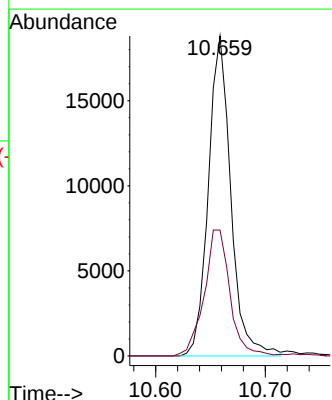
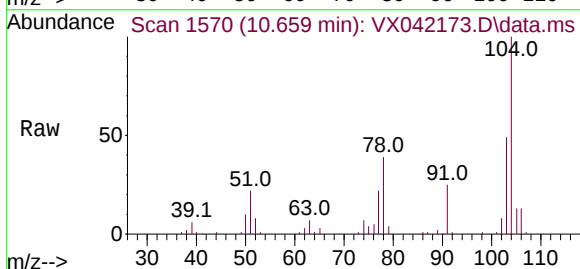
Acq: 03 Jul 2024 19:28

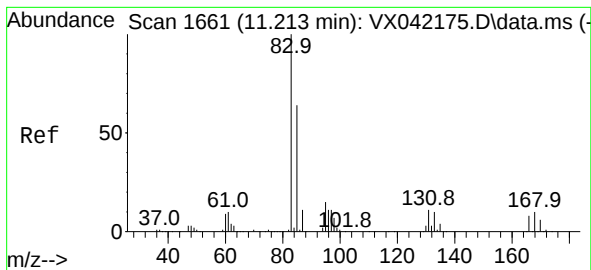
Tgt Ion:104 Resp: 26804

Ion Ratio Lower Upper

104 100

78 39.3 29.5 54.9

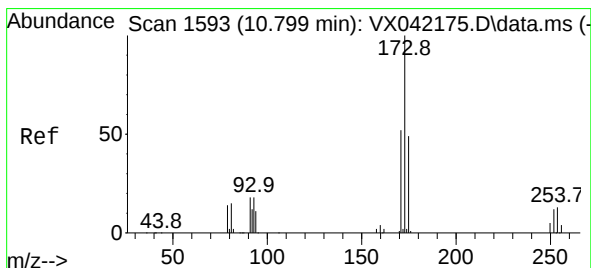
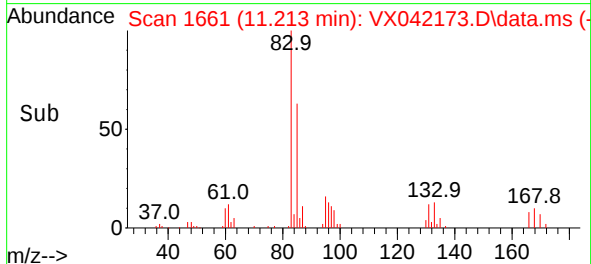
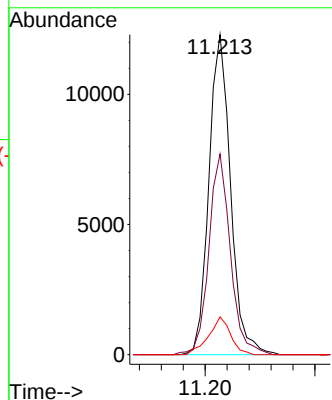
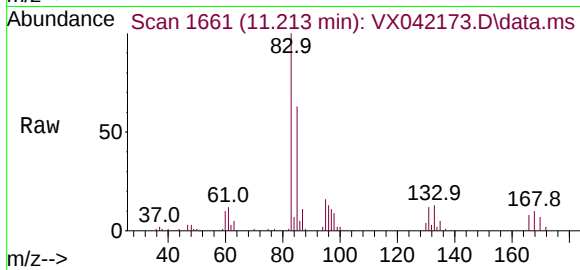




#57
1,1,2,2-Tetrachloroethane
Concen: 5.008 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

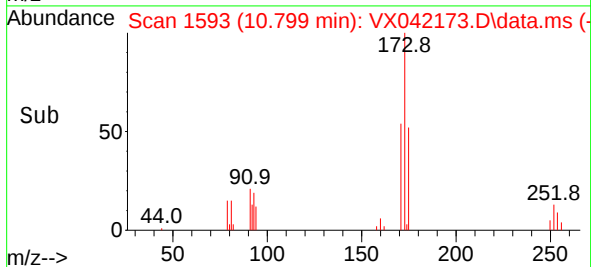
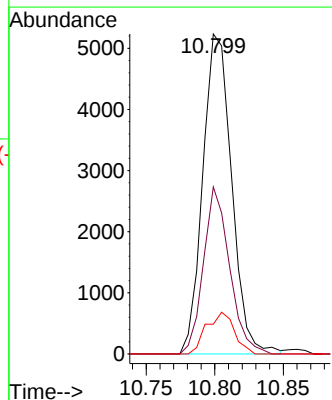
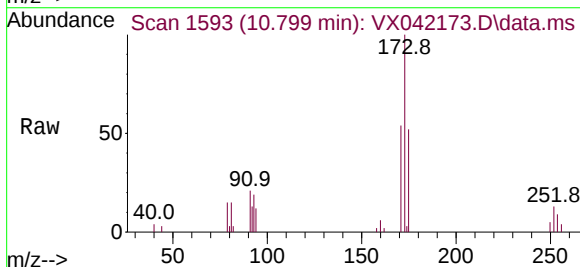
Instrument :
MSVOA_X
ClientSampleId :

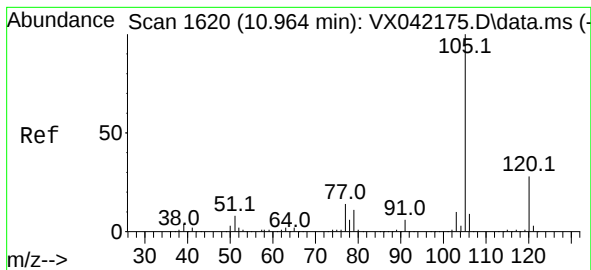
Tgt Ion: 83 Resp: 16855
Ion Ratio Lower Upper
83 100
85 62.7 45.1 83.7
131 11.8 9.0 13.4



#59
Bromoform
Concen: 5.129 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX042173.D
Acq: 03 Jul 2024 19:28

Tgt Ion:173 Resp: 7684
Ion Ratio Lower Upper
173 100
175 47.1 39.5 59.3
254 12.5 10.6 15.8





#60

Isopropylbenzene

Concen: 5.403 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

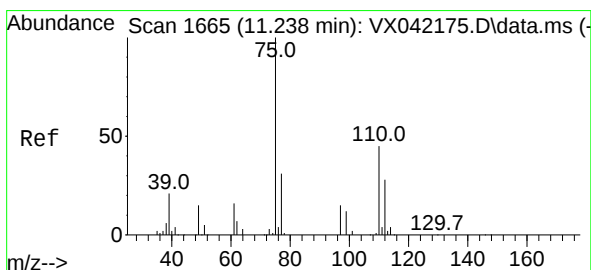
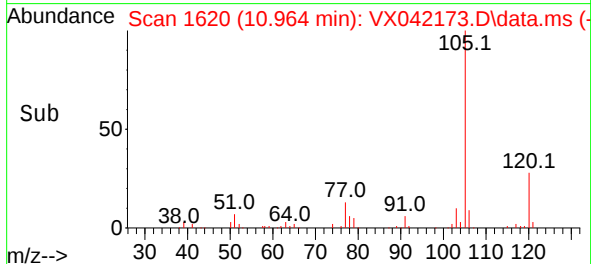
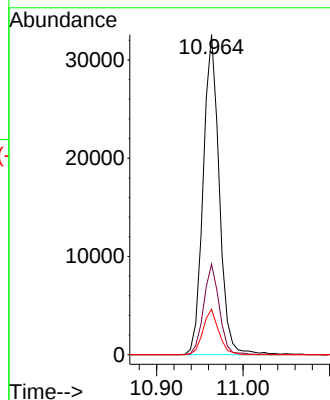
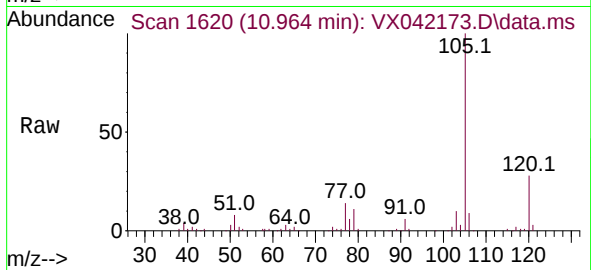
Tgt Ion:105 Resp: 42038

Ion Ratio Lower Upper

105 100

120 27.2 22.0 33.0

77 13.8 11.0 16.6



#61

1,2,3-Trichloropropane

Concen: 5.832 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

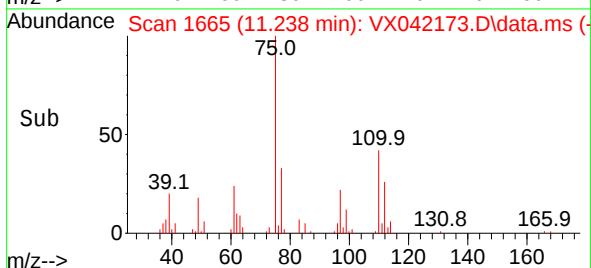
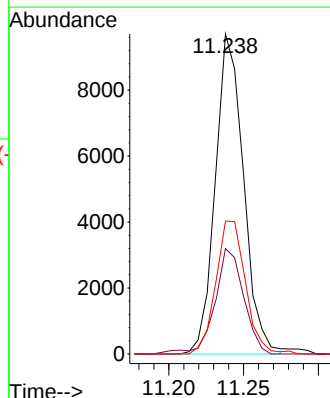
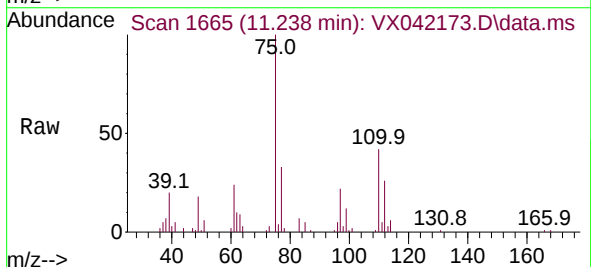
Tgt Ion: 75 Resp: 12703

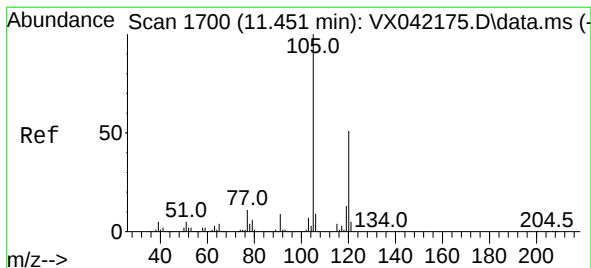
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

110 43.7 35.4 53.0





#62

1,3,5-Trimethylbenzene

Concen: 5.671 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

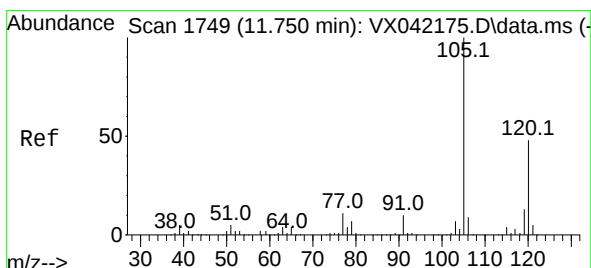
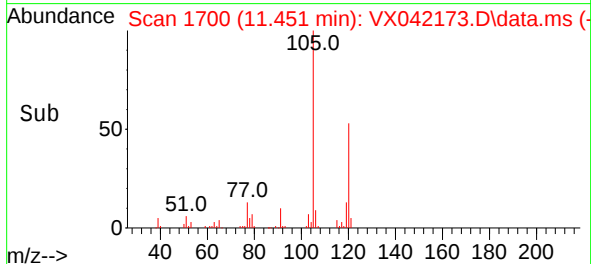
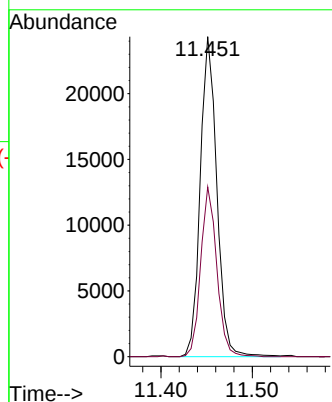
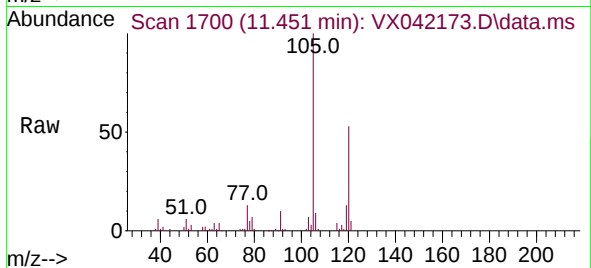
ClientSampleId :

Tgt Ion:105 Resp: 30686

Ion Ratio Lower Upper

105 100

120 51.5 40.9 61.3



#63

1,2,4-Trimethylbenzene

Concen: 5.024 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX042173.D

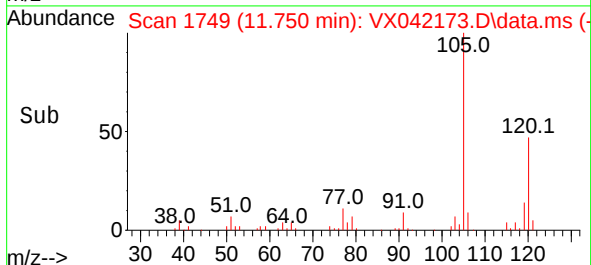
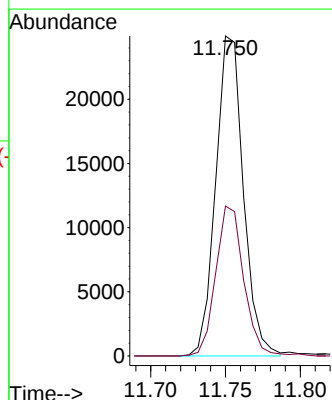
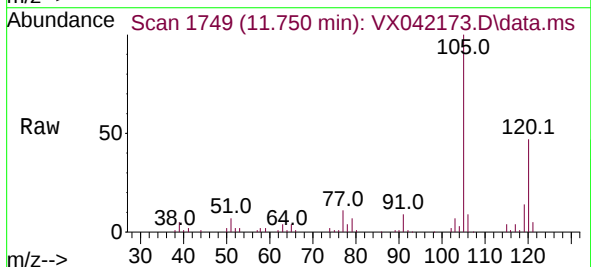
Acq: 03 Jul 2024 19:28

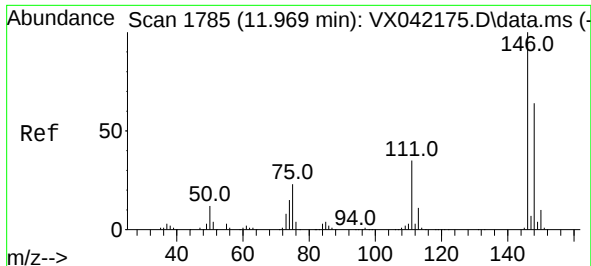
Tgt Ion:105 Resp: 32095

Ion Ratio Lower Upper

105 100

120 47.2 38.4 57.6





#64

1,3-Dichlorobenzene

Concen: 5.161 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

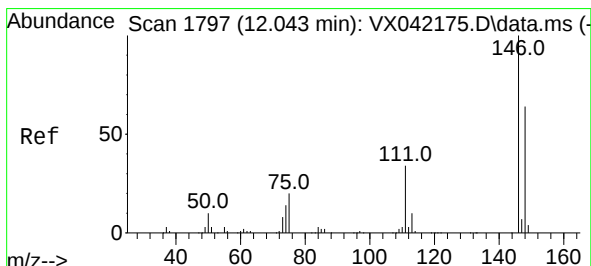
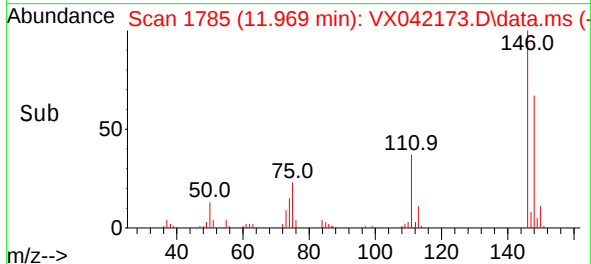
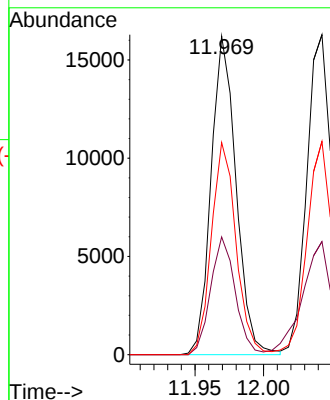
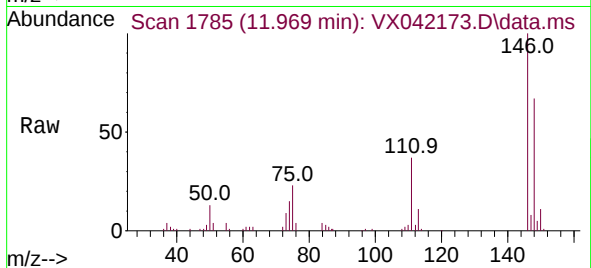
Tgt Ion:146 Resp: 20557

Ion Ratio Lower Upper

146 100

111 37.0 24.8 46.1

148 66.6 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 5.206 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

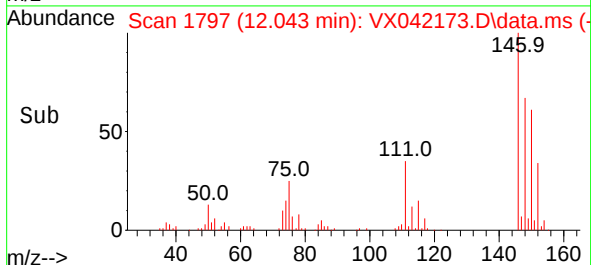
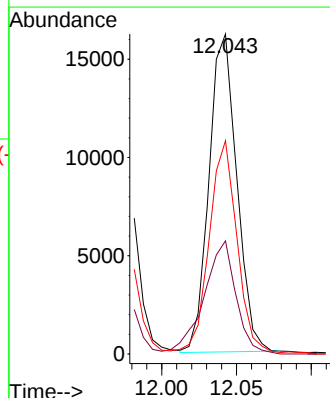
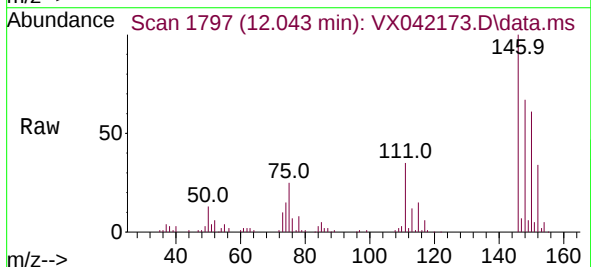
Tgt Ion:146 Resp: 20916

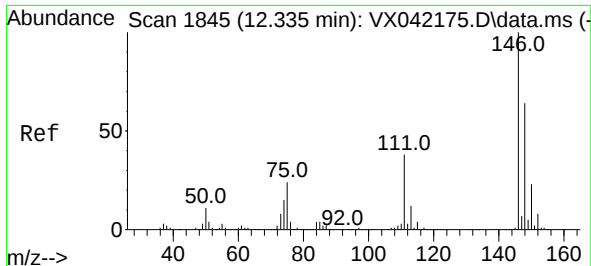
Ion Ratio Lower Upper

146 100

111 35.4 23.9 44.3

148 66.6 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 5.388 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

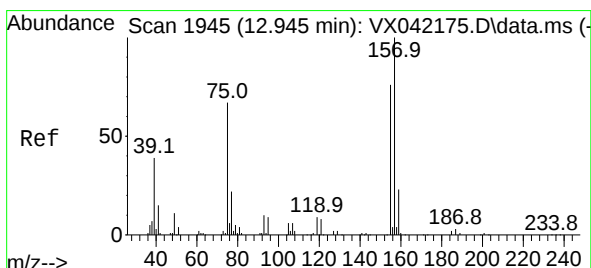
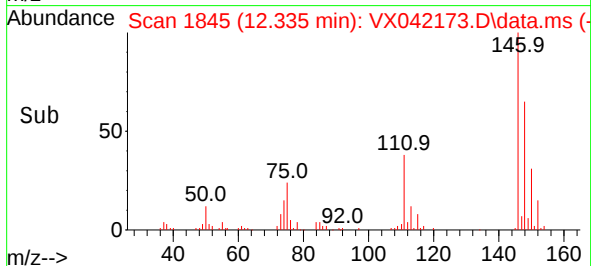
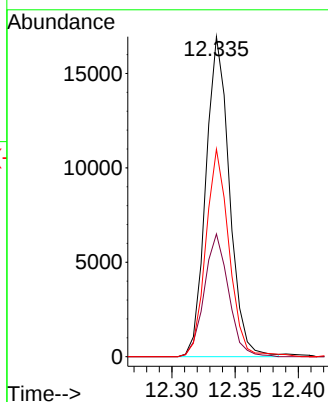
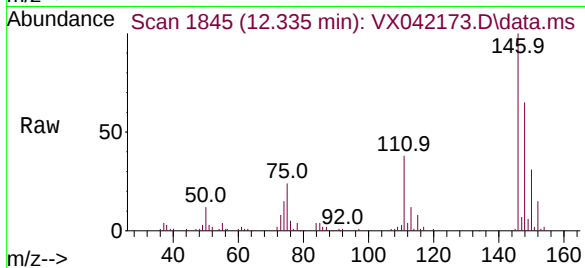
Tgt Ion:146 Resp: 21992

Ion Ratio Lower Upper

146 100

111 38.3 30.2 45.2

148 64.9 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.782 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

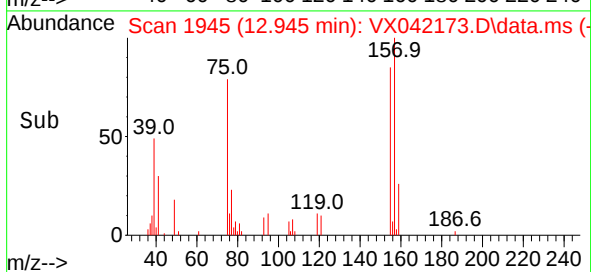
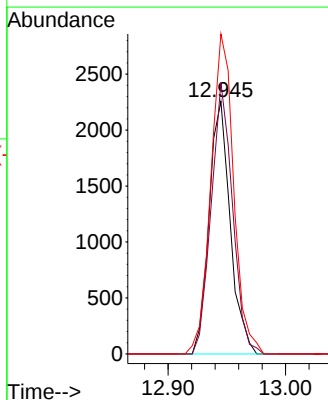
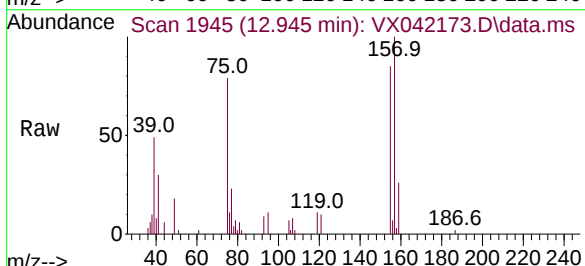
Tgt Ion: 75 Resp: 2809

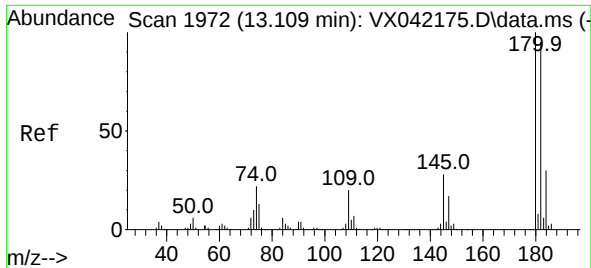
Ion Ratio Lower Upper

75 100

155 107.5 90.4 135.6

157 126.7 119.4 179.2





#69

1,3,5-Trichlorobenzene

Concen: 4.576 ug/L

RT: 13.116 min Scan# 1972

Delta R.T. 0.006 min

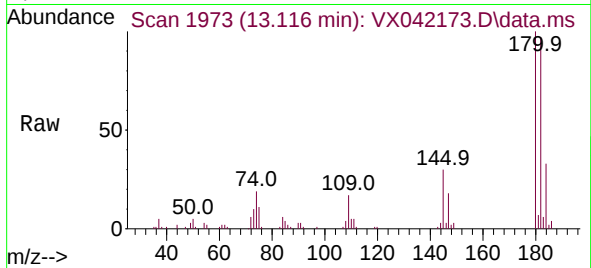
Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 13814

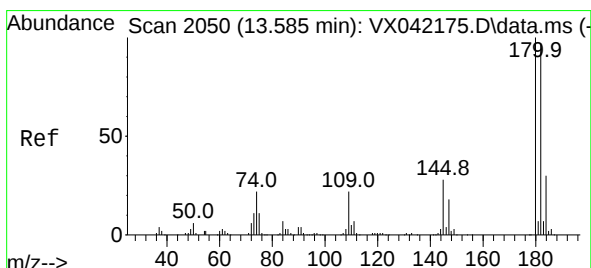
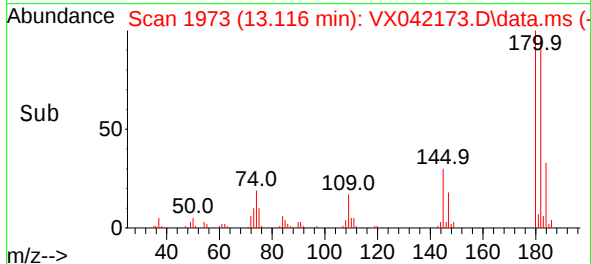
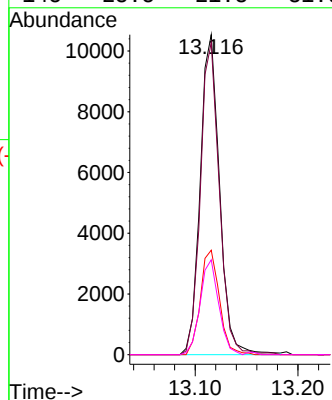
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

184 32.1 24.7 37.1

145 28.5 21.3 31.9



#70

1,2,4-trichlorobenzene

Concen: 4.527 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

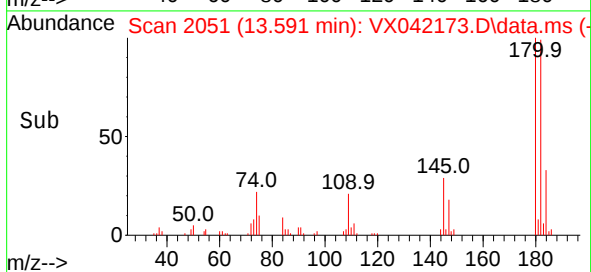
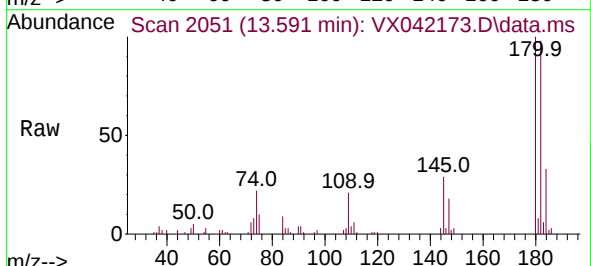
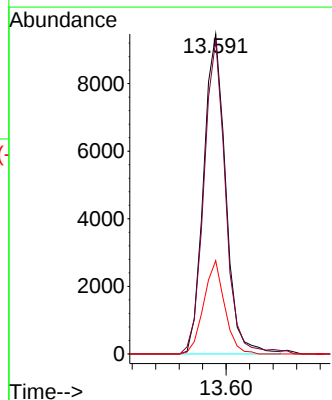
Tgt Ion:180 Resp: 12325

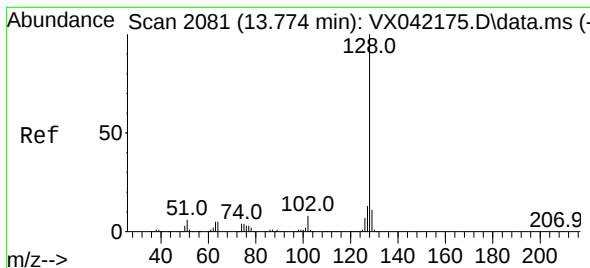
Ion Ratio Lower Upper

180 100

182 95.4 77.8 116.6

145 27.6 21.8 32.8





#71

Naphthalene

Concen: 4.829 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

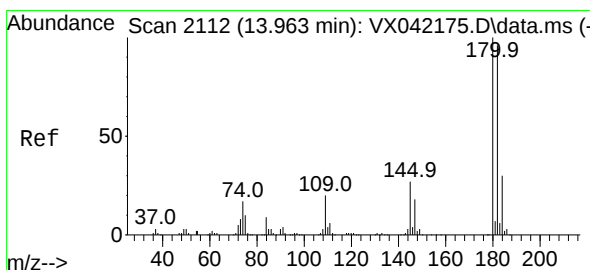
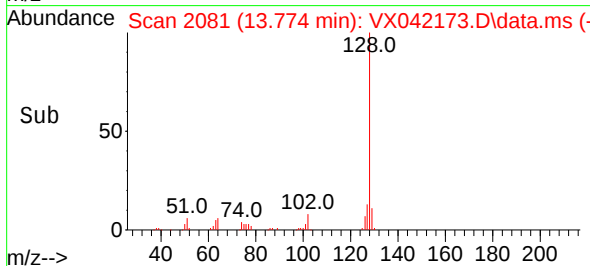
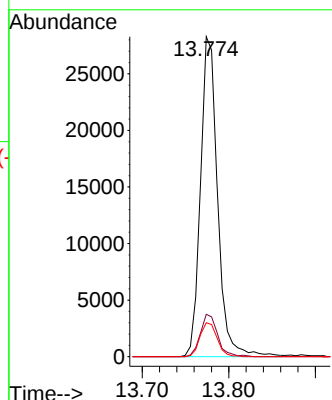
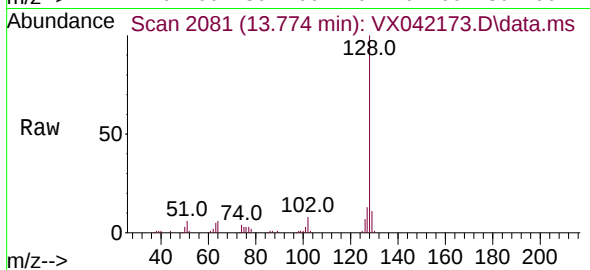
Tgt Ion:128 Resp: 38867

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.6 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 4.873 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX042173.D

Acq: 03 Jul 2024 19:28

Tgt Ion:180 Resp: 13578

Ion Ratio Lower Upper

180 100

182 98.0 76.2 114.4

145 29.0 23.0 34.6

