

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112423\
 Data File : VX039018.D
 Acq On : 24 Nov 2023 11:16
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 03:26:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	10688	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	85835	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	102400	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44981	30.763	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.533%	
60) 4-Bromofluorobenzene	11.079	95	64402	28.795	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.967%	
63) Toluene-d8	8.647	98	122497	30.257	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.867%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	560	0.350	ug/l #	56
3) Chloromethane	1.295	50	496	0.271	ug/l	96
4) Vinyl Chloride	1.374	62	602	0.326	ug/l	100
5) Bromomethane	1.624	94	376	0.332	ug/l	87
7) Trichlorofluoromethane	1.892	101	1061	0.416	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	573	0.397	ug/l	84
10) 1,1-Dichloroethene	2.325	96	617	0.424	ug/l	84
11) Methyl Iodide	2.459	142	435	0.273	ug/l #	78
12) Methyl Acetate	2.709	43	924	0.204	ug/l #	76
13) Acrolein	2.233	56	716	1.803	ug/l #	72
14) Acrylonitrile	3.075	53	1964	1.771	ug/l	97
15) Acetone	2.380	58	239	0.593	ug/l #	48
16) Carbon Disulfide	2.514	76	7887	1.791	ug/l	100
17) Allyl chloride	2.660	41	792	0.274	ug/l	81
18) Methylene Chloride	2.788	84	1110	0.644	ug/l #	80
19) trans-1,2-Dichloroethene	3.087	96	1097	0.667	ug/l #	62
23) tert-Butyl Alcohol	2.947	59	1151	1.875	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	577	0.240	ug/l	87
37) Trichloroethene	7.123	130	394	0.221	ug/l #	70
38) Methylcyclohexane	7.379	83	1122	0.374	ug/l	89
45) 1,4-Dioxane	7.678	88	129	2.572	ug/l #	79
48) t-1,3-Dichloropropene	8.988	75	748	0.257	ug/l #	79
49) cis-1,3-Dichloropropene	8.373	75	639	0.213	ug/l	95
51) Ethyl methacrylate	8.653	69	507	0.228	ug/l	82
54) 1,2-Dibromoethane	9.616	107	430	0.221	ug/l	94
55) 2-Chloroethyl vinyl ether	8.251	63	1074	0.763	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	1059	0.341	ug/l #	77
61) Tetrachloroethene	9.269	164	672	0.505	ug/l #	91
62) Toluene	8.720	91	1776	0.244	ug/l	99
64) Chlorobenzene	10.073	112	1389	0.314	ug/l #	86
66) Ethyl Benzene	10.195	91	2290	0.277	ug/l	90
67) m/p-Xylenes	10.305	106	1849	0.604	ug/l	86
68) o-Xylene	10.647	106	715	0.241	ug/l	97
69) Styrene	10.659	104	1209	0.276	ug/l	99
70) Isopropylbenzene	10.964	105	2226	0.281	ug/l	98
73) Bromobenzene	11.201	156	628	0.348	ug/l	91
74) n-propylbenzene	11.305	91	3812	0.392	ug/l	99
75) 2-Chlorotoluene	11.366	91	1971	0.346	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	2405	0.352	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112423\
 Data File : VX039018.D
 Acq On : 24 Nov 2023 11:16
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

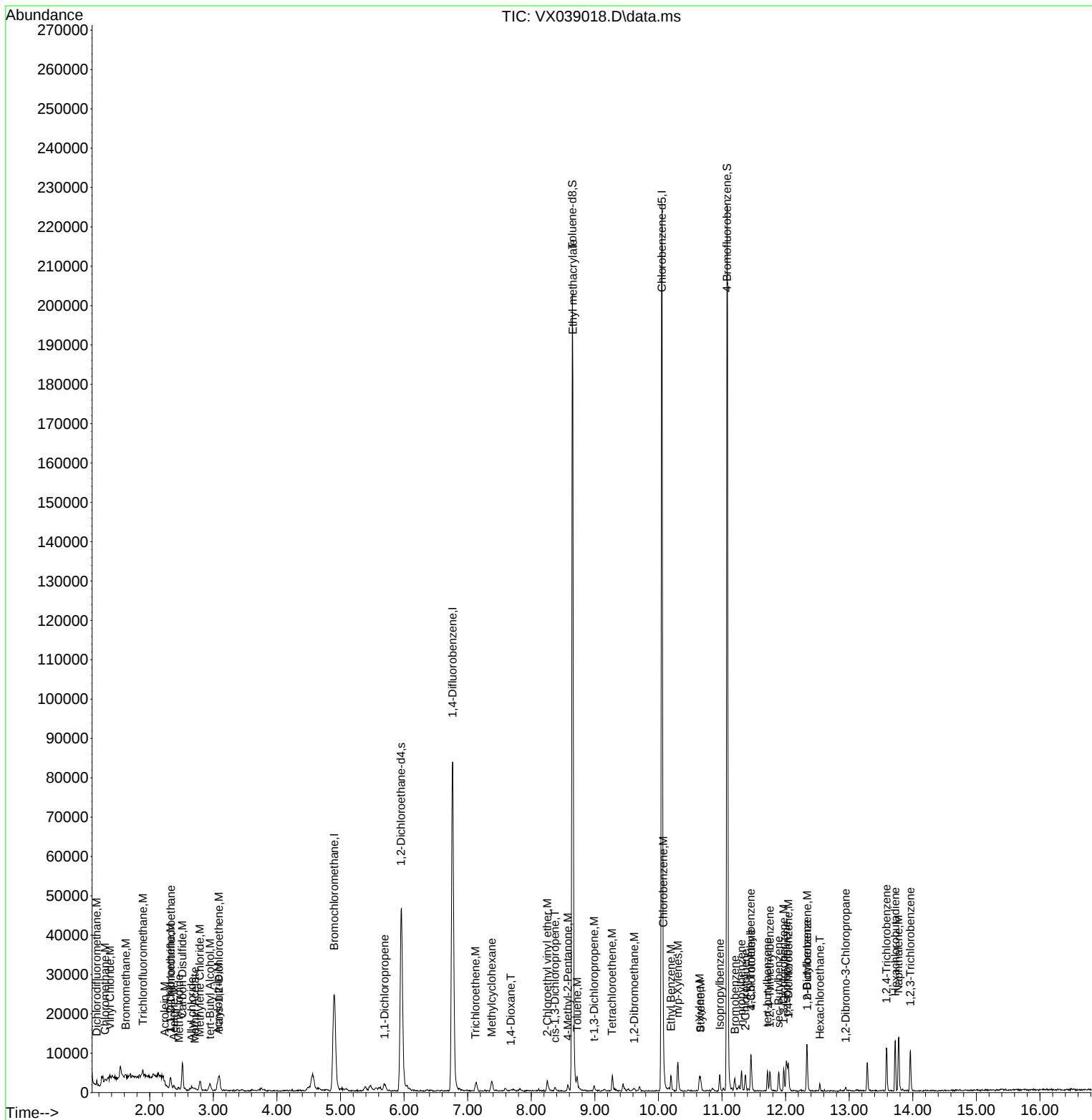
Quant Time: Nov 27 03:26:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

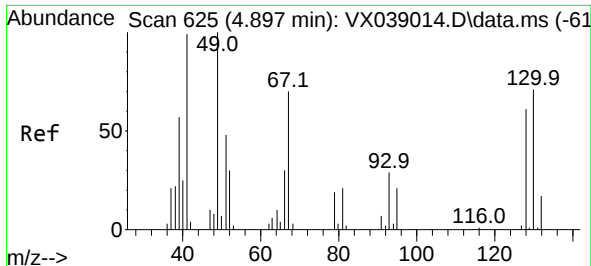
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) 4-Chlorotoluene	11.457	91	3241	0.484	ug/l	95
79) tert-butylbenzene	11.713	119	1659	0.255	ug/l	87
80) 1,2,4-Trimethylbenzene	11.750	105	2635	0.385	ug/l	99
81) sec-Butylbenzene	11.890	105	3113	0.379	ug/l	94
82) p-Isopropyltoluene	12.012	119	3017	0.434	ug/l	95
83) 1,3-Dichlorobenzene	11.969	146	1940	0.562	ug/l	94
84) 1,4-Dichlorobenzene	12.043	146	2292	0.647	ug/l	98
85) n-Butylbenzene	12.335	91	4240	0.617	ug/l	92
86) Hexachloroethane	12.536	117	301	0.228	ug/l #	57
87) 1,2-Dichlorobenzene	12.341	146	1610	0.485	ug/l	89
88) 1,2-Dibromo-3-Chloropr...	12.945	75	201	0.266	ug/l	86
89) 1,2,4-Trichlorobenzene	13.585	180	2719	1.235	ug/l	95
90) Hexachlorobutadiene	13.725	225	1680	2.136	ug/l	91
91) Naphthalene	13.774	128	9291	1.144	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	2418	1.134	ug/l	94

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

Quant Time: Nov 27 03:26:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
Response via : Initial Calibration

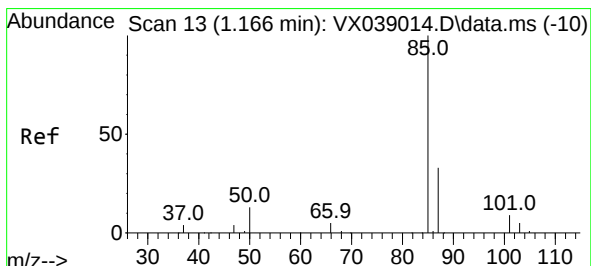
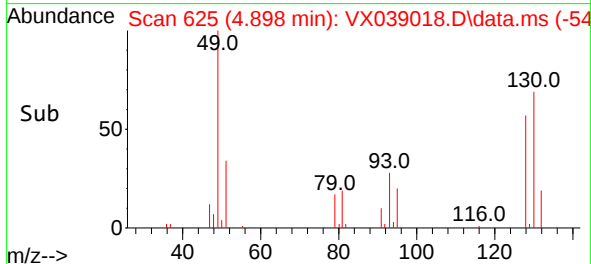
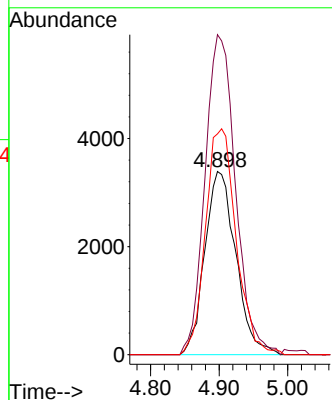
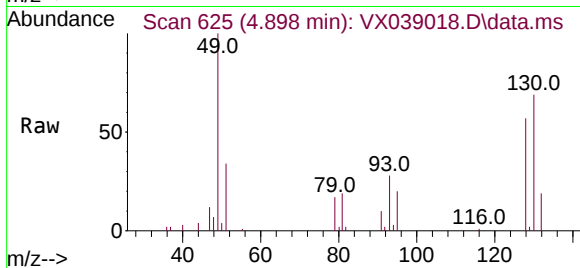




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

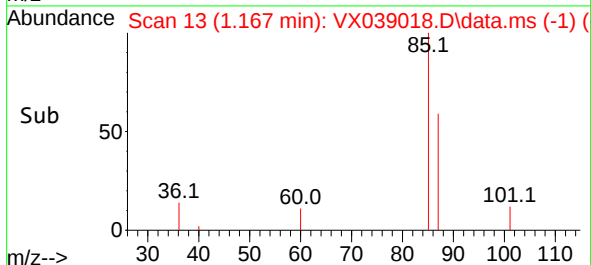
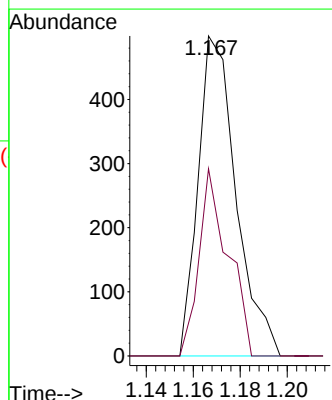
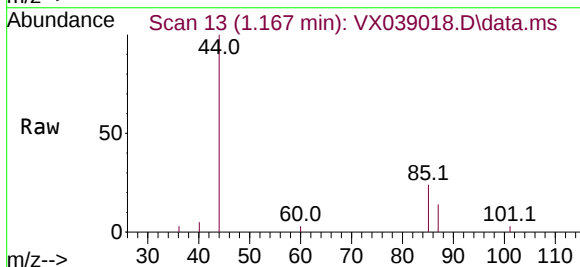
Instrument :
MSVOA_X
ClientSampleId :

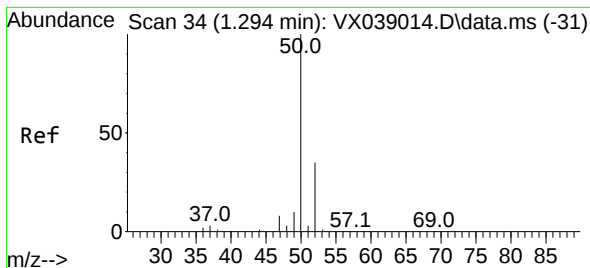
Tgt Ion:128 Resp: 10688
Ion Ratio Lower Upper
128 100
49 171.0 0.0 444.0
130 121.5 0.0 297.8



#2
Dichlorodifluoromethane
Concen: 0.350 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 85 Resp: 560
Ion Ratio Lower Upper
85 100
87 58.5 16.7 50.1#





#3

Chloromethane

Concen: 0.271 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

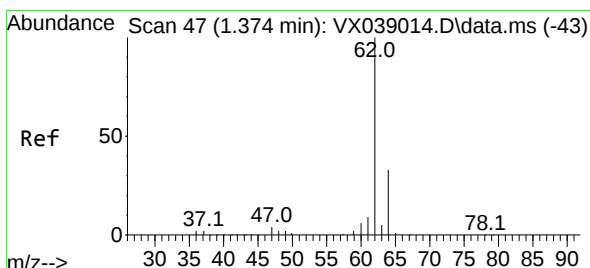
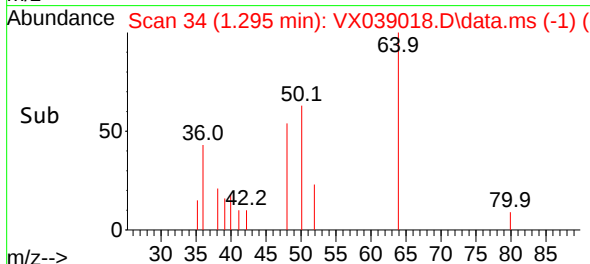
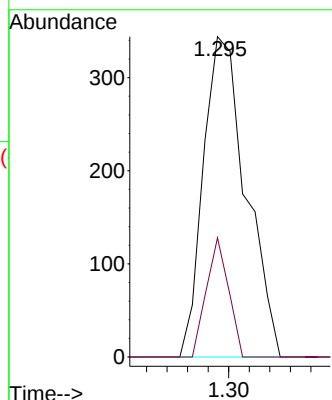
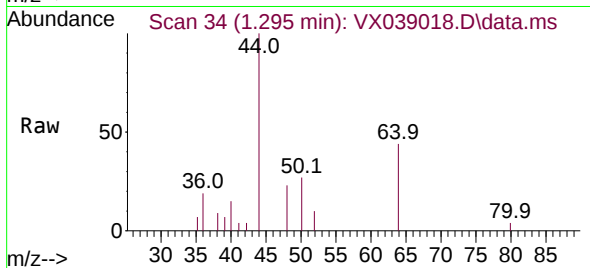
ClientSampleId :

Tgt Ion: 50 Resp: 496

Ion Ratio Lower Upper

50 100

52 37.2 27.8 41.8



#4

Vinyl Chloride

Concen: 0.326 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX039018.D

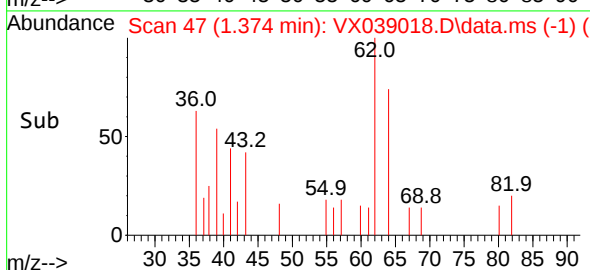
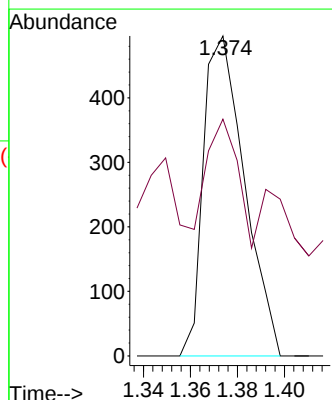
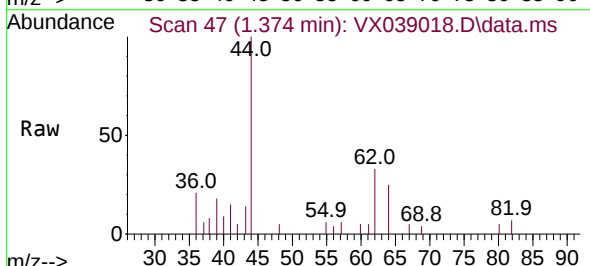
Acq: 24 Nov 2023 11:16

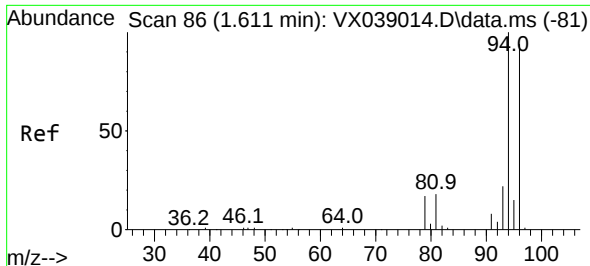
Tgt Ion: 62 Resp: 602

Ion Ratio Lower Upper

62 100

64 33.1 26.3 39.5

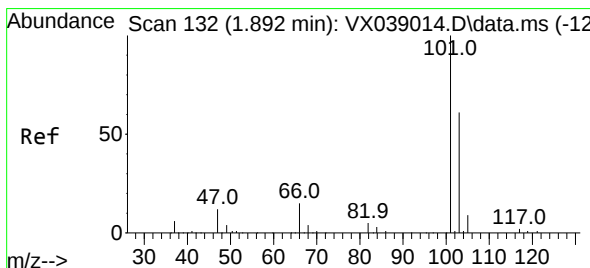
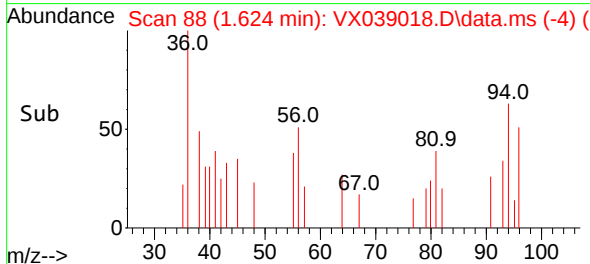
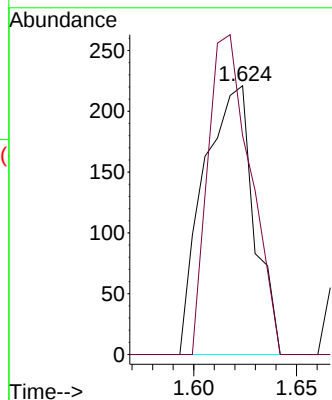
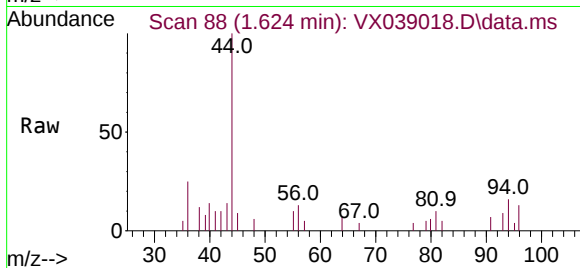




#5
Bromomethane
Concen: 0.332 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

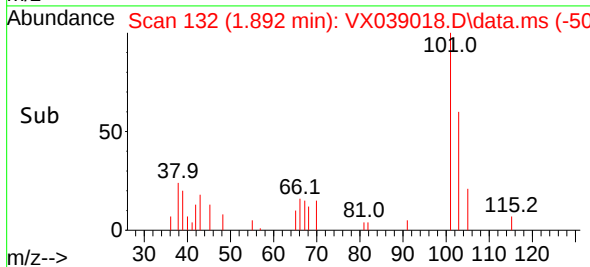
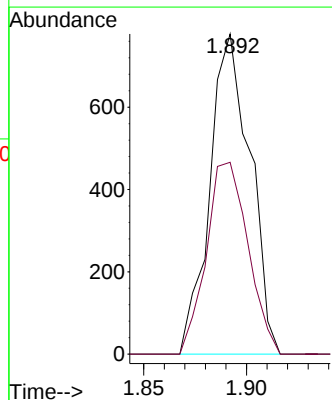
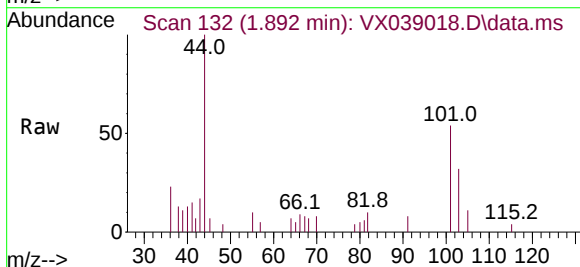
Instrument :
MSVOA_X
ClientSampleId :

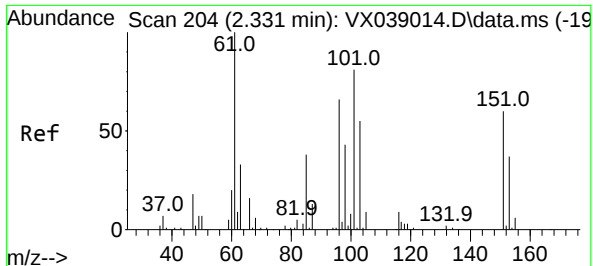
Tgt Ion: 94 Resp: 376
Ion Ratio Lower Upper
94 100
96 81.4 74.9 112.3



#7
Trichlorofluoromethane
Concen: 0.416 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 101 Resp: 1061
Ion Ratio Lower Upper
101 100
103 59.9 49.1 73.7

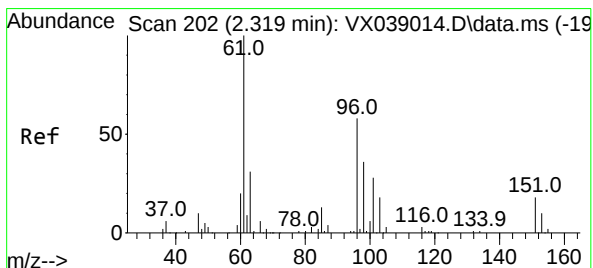
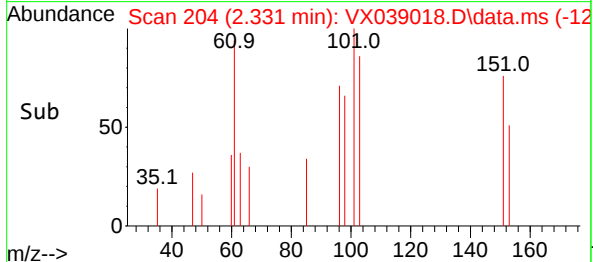
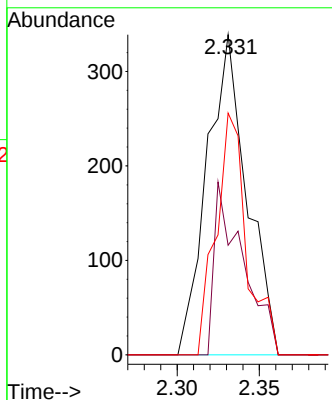
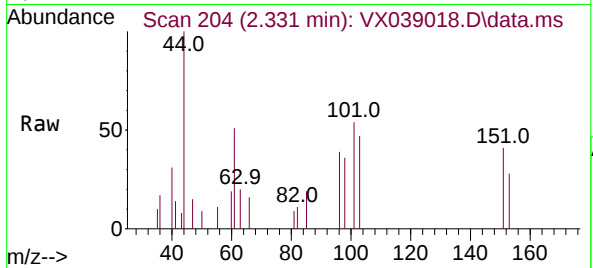




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.397 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

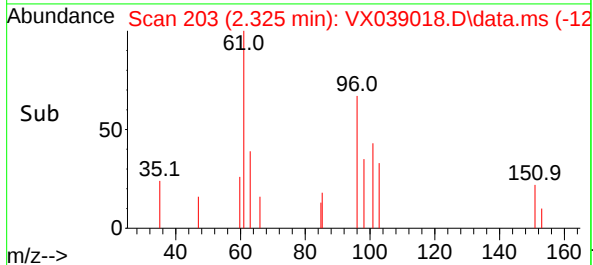
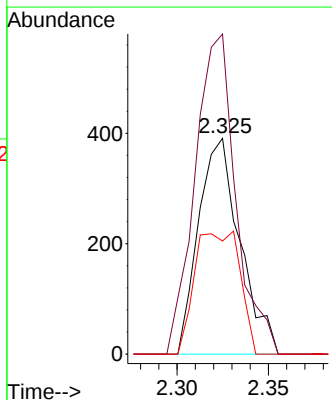
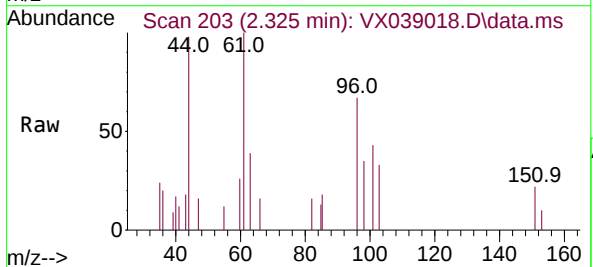
Instrument :
MSVOA_X
ClientSampleId :

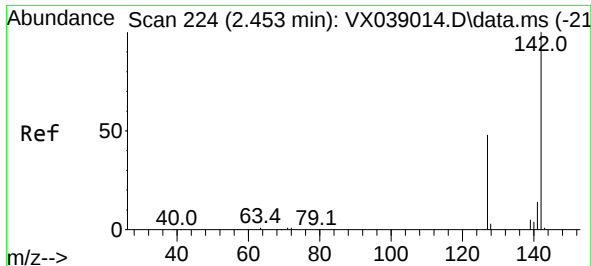
Tgt Ion:101 Resp: 573
Ion Ratio Lower Upper
101 100
85 39.1 0.0 95.2
151 54.1 0.0 136.8



#10
1,1-Dichloroethene
Concen: 0.424 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 96 Resp: 617
Ion Ratio Lower Upper
96 100
61 148.3 138.3 207.5
98 52.4 49.8 74.6





#11

Methyl Iodide

Concen: 0.273 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

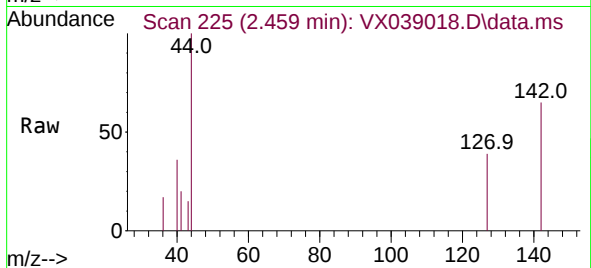
Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :



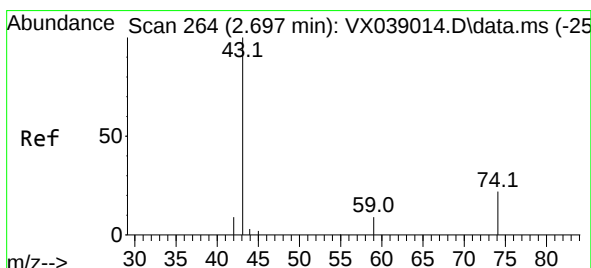
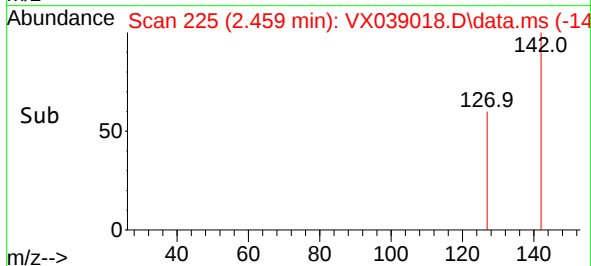
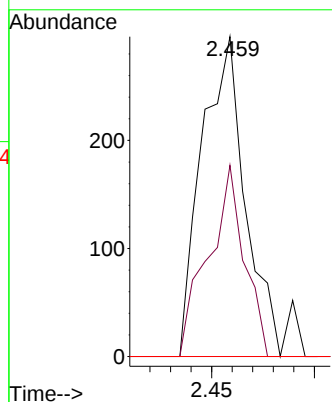
Tgt Ion:142 Resp: 435

Ion Ratio Lower Upper

142 100

127 59.8 23.8 71.4

141 0.0 6.9 20.6#



#12

Methyl Acetate

Concen: 0.204 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.012 min

Lab File: VX039018.D

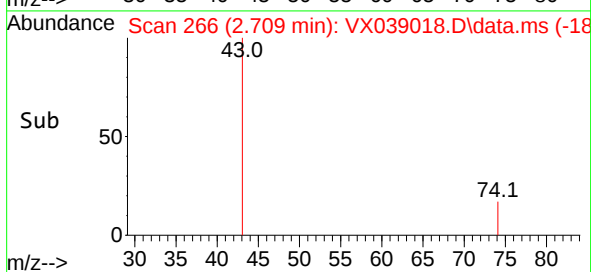
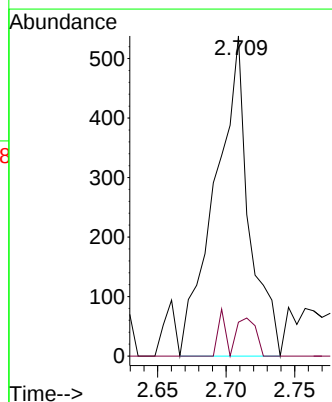
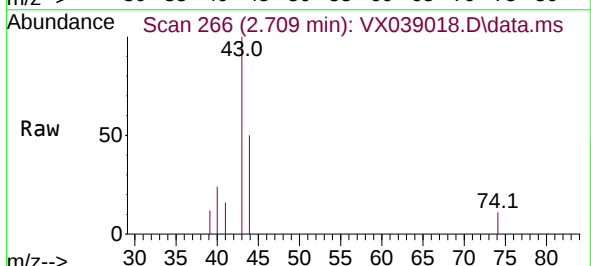
Acq: 24 Nov 2023 11:16

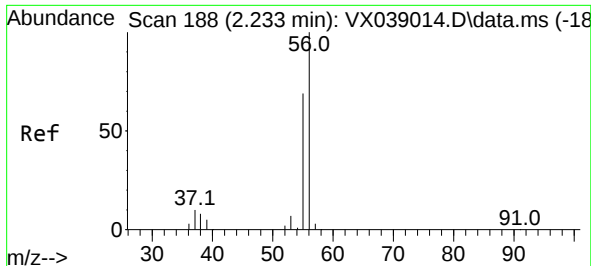
Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

74 10.6 17.8 26.6#





#13

Acrolein

Concen: 1.803 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

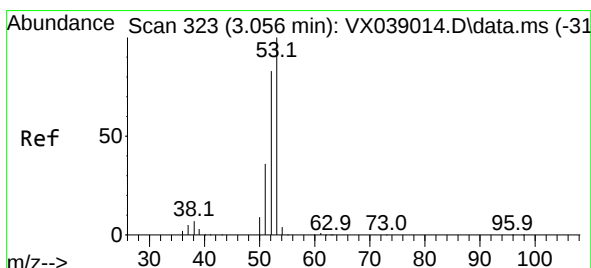
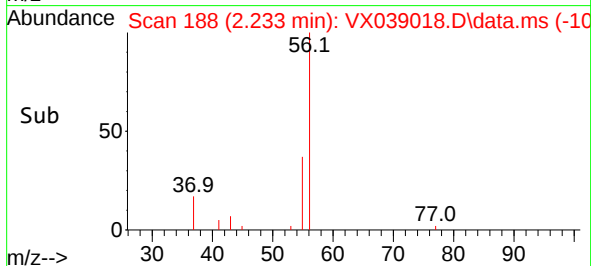
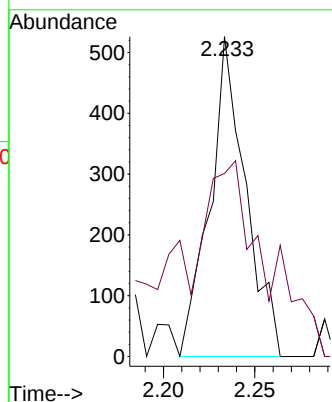
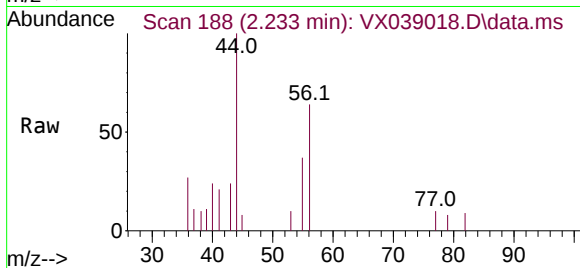
ClientSampleId :

Tgt Ion: 56 Resp: 716

Ion Ratio Lower Upper

56 100

55 48.6 57.2 85.8#



#14

Acrylonitrile

Concen: 1.771 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.018 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

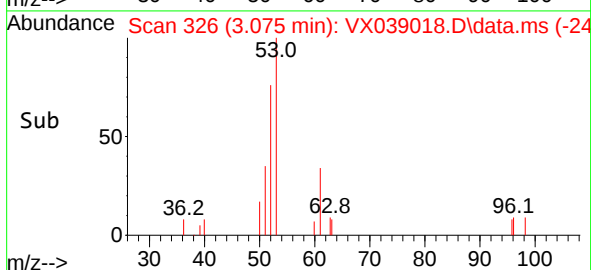
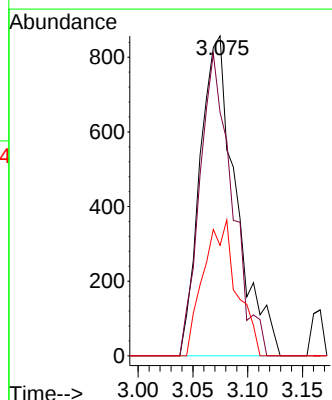
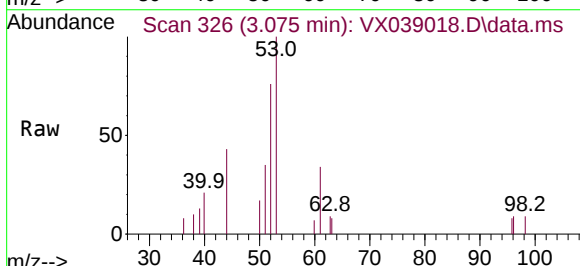
Tgt Ion: 53 Resp: 1964

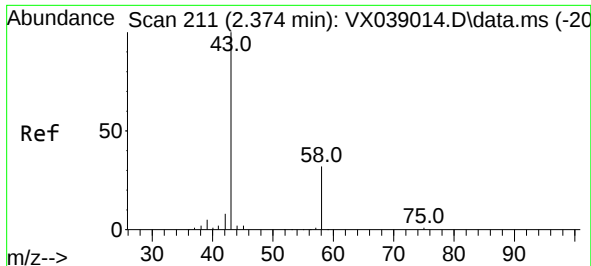
Ion Ratio Lower Upper

53 100

52 81.3 41.9 125.6

51 39.2 18.3 54.9

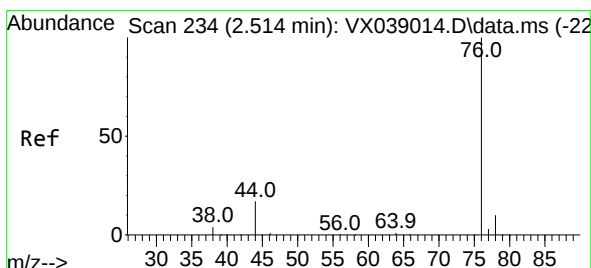
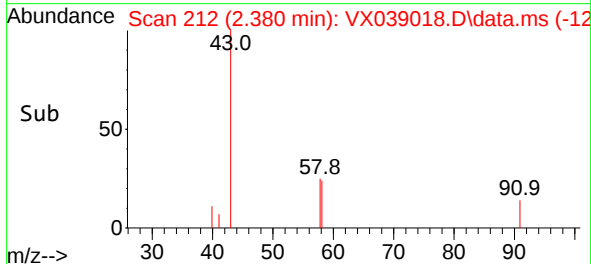
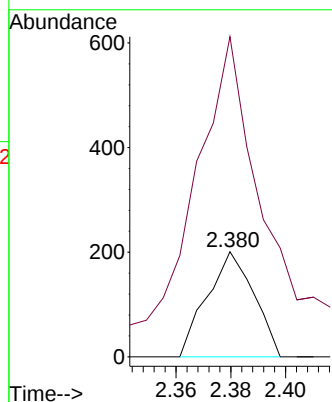
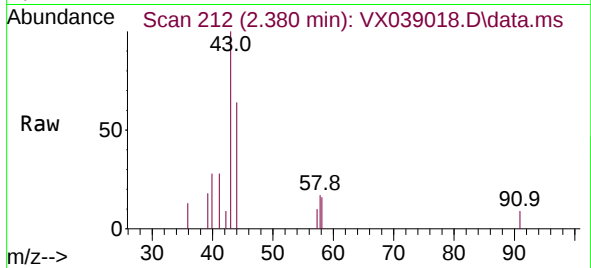




#15
Acetone
Concen: 0.593 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

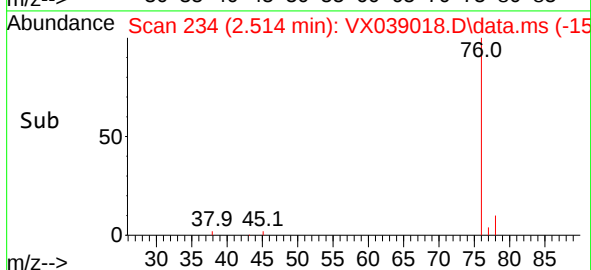
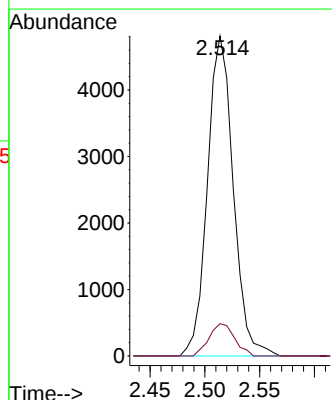
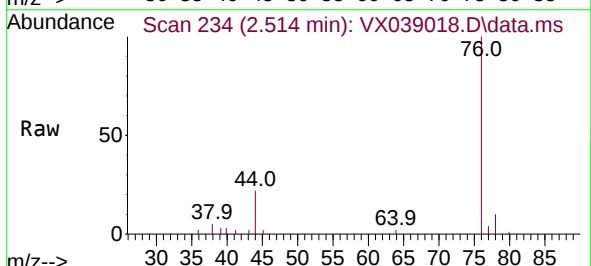
Instrument :
MSVOA_X
ClientSampleId :

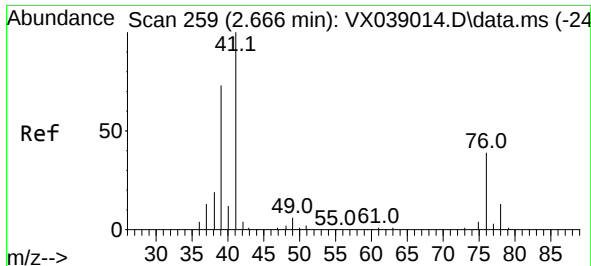
Tgt Ion: 58 Resp: 239
Ion Ratio Lower Upper
58 100
43 208.0 249.9 374.9#



#16
Carbon Disulfide
Concen: 1.791 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 76 Resp: 7887
Ion Ratio Lower Upper
76 100
78 10.1 8.0 12.0





#17

Allyl chloride

Concen: 0.274 ug/l

RT: 2.660 min Scan# 259

Delta R.T. -0.006 min

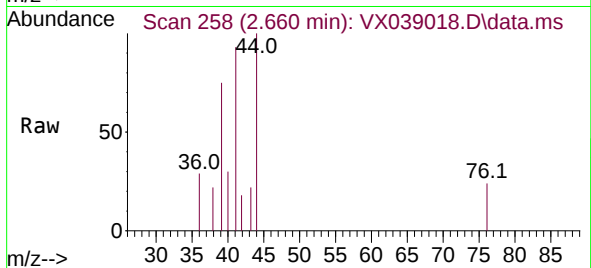
Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

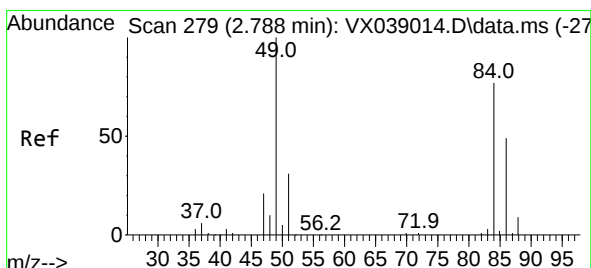
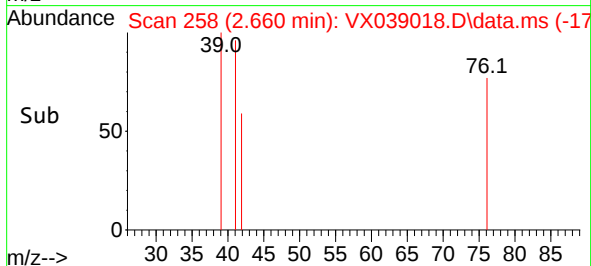
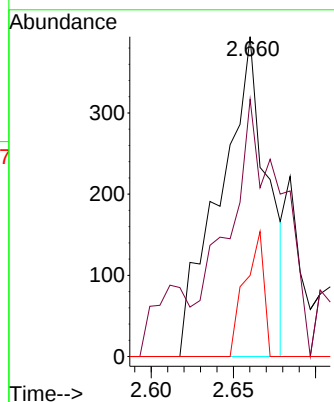
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	41	Resp:	792
Ion Ratio	Lower	Upper	
41	100		
39	58.9	36.5	109.5
76	25.4	19.7	59.0



#18

Methylene Chloride

Concen: 0.644 ug/l

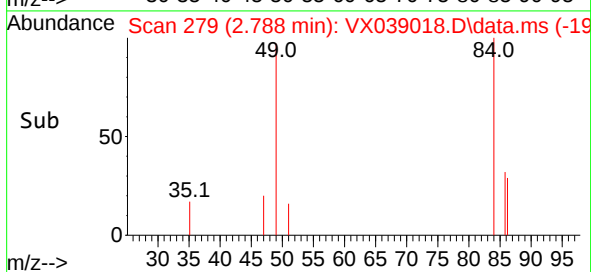
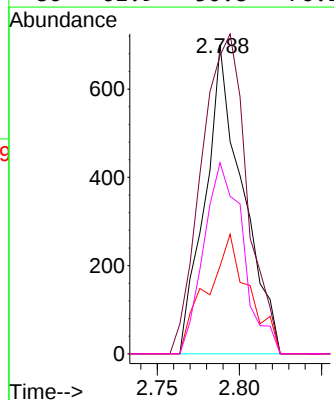
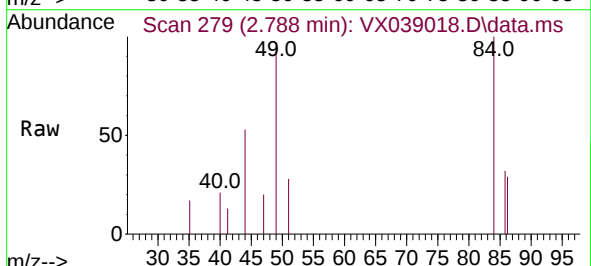
RT: 2.788 min Scan# 279

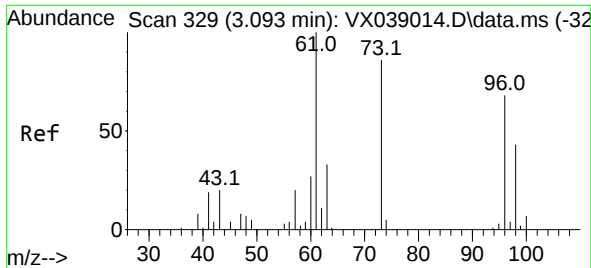
Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Tgt Ion:	84	Resp:	1110
Ion Ratio	Lower	Upper	
84	100		
49	96.6	103.8	155.8#
51	28.4	31.8	47.6#
86	61.9	50.8	76.2

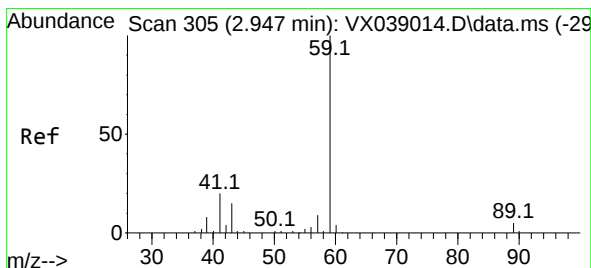
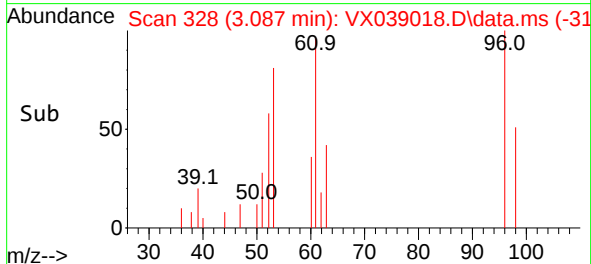
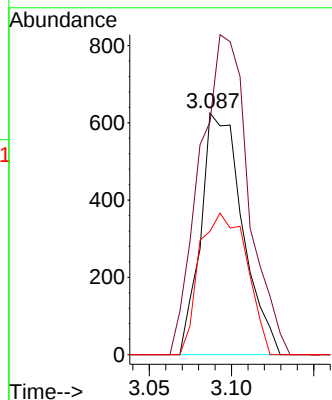
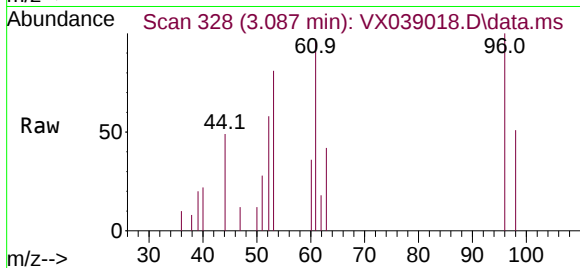




#19
trans-1,2-Dichloroethene
Concen: 0.667 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

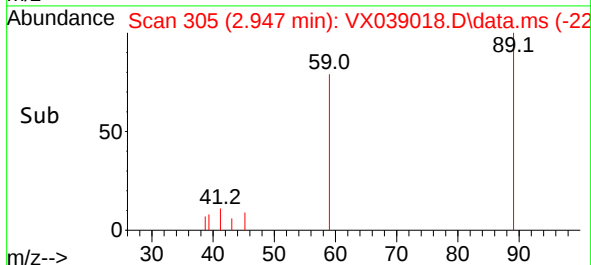
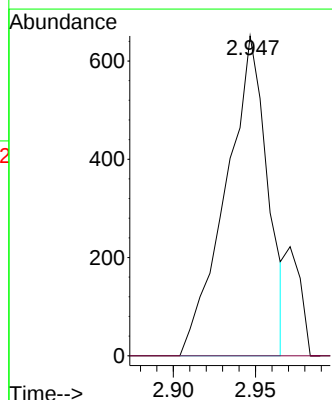
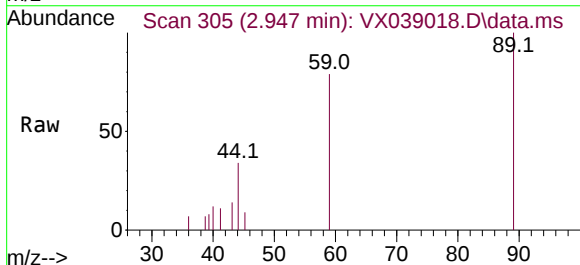
Instrument :
MSVOA_X
ClientSampleId :

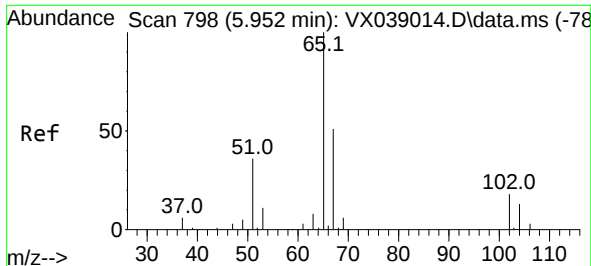
Tgt Ion: 96 Resp: 1097
Ion Ratio Lower Upper
96 100
61 87.5 117.9 176.9#
98 51.0 51.0 76.6



#23
tert-Butyl Alcohol
Concen: 1.875 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 59 Resp: 1151
Ion Ratio Lower Upper
59 100
52 138.7 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 30.763 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

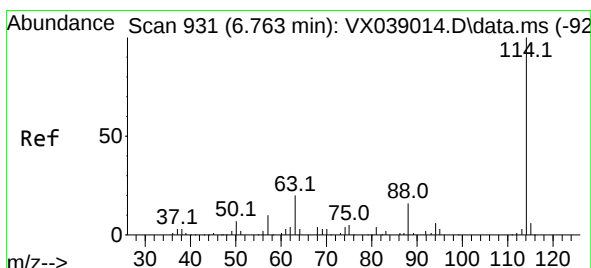
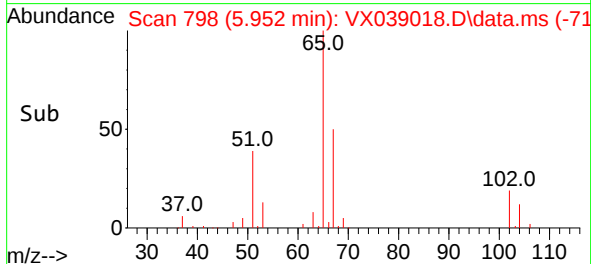
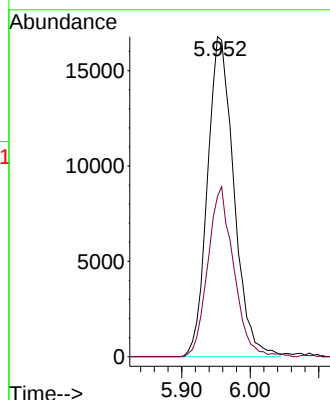
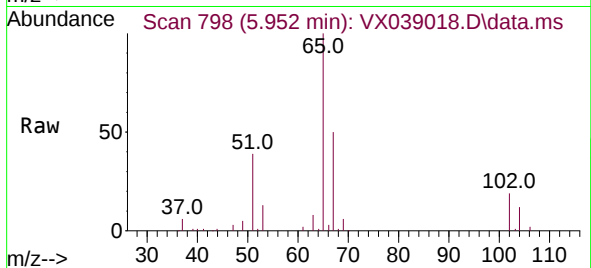
ClientSampleId :

Tgt Ion: 65 Resp: 44981

Ion Ratio Lower Upper

65 100

67 51.3 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

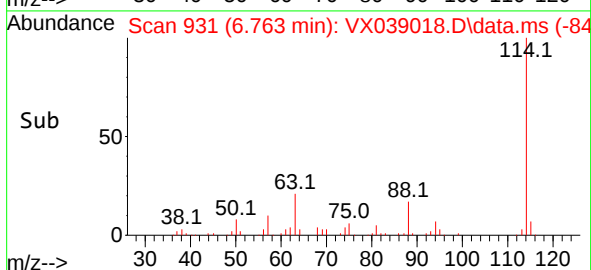
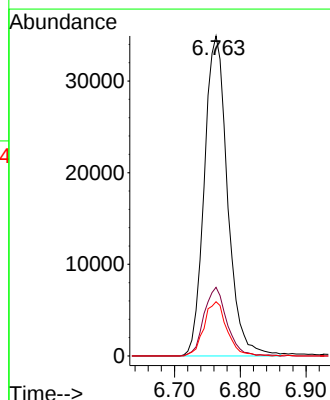
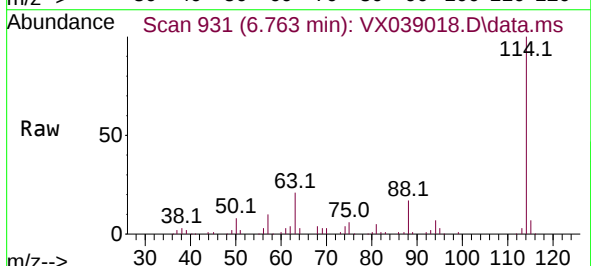
Tgt Ion: 114 Resp: 85835

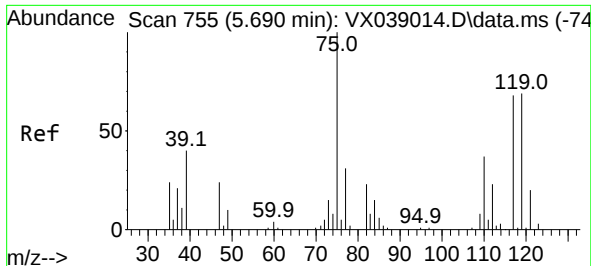
Ion Ratio Lower Upper

114 100

63 21.1 17.0 25.4

88 16.6 12.7 19.1

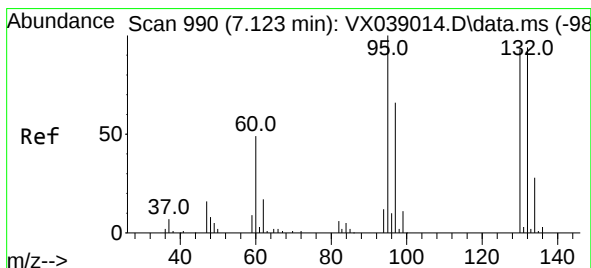
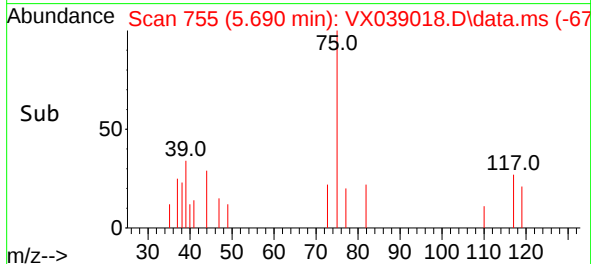
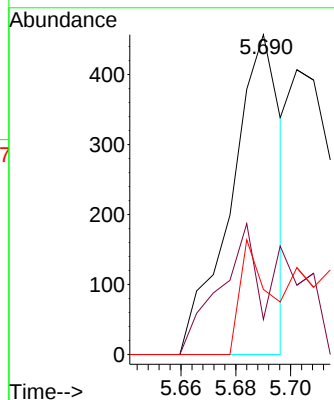
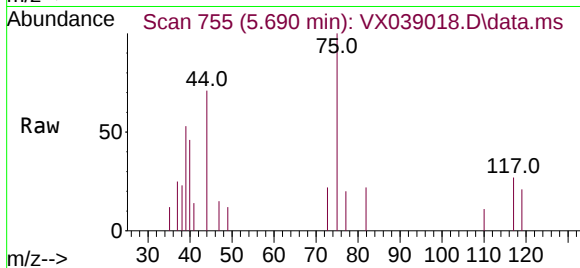




#29
1,1-Dichloropropene
Concen: 0.240 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

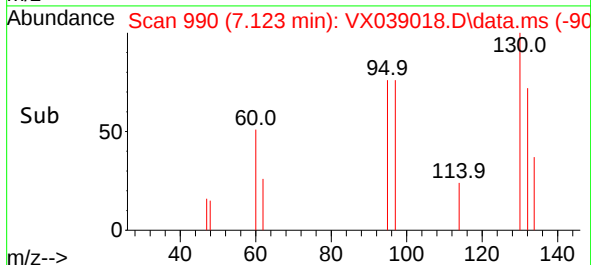
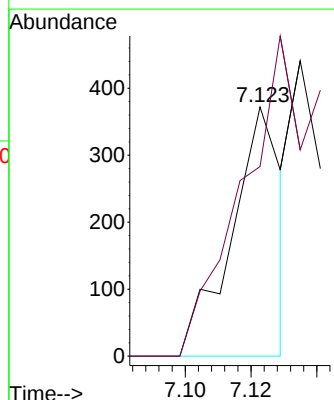
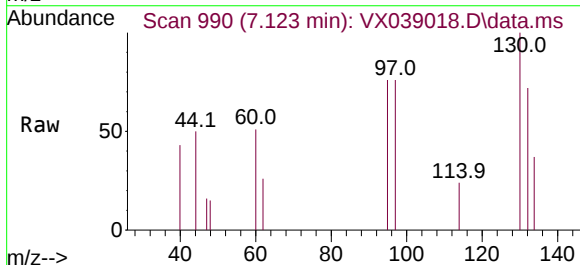
Instrument :
MSVOA_X
ClientSampleId :

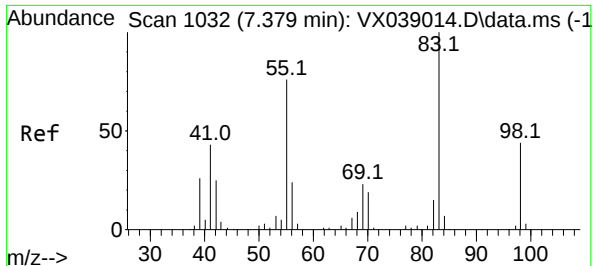
Tgt Ion: 75 Resp: 577
Ion Ratio Lower Upper
75 100
110 31.0 0.0 71.2
77 21.1 0.0 62.6



#37
Trichloroethene
Concen: 0.221 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion:130 Resp: 394
Ion Ratio Lower Upper
130 100
95 76.1 85.8 128.8#





#38

Methylcyclohexane

Concen: 0.374 ug/l

RT: 7.379 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

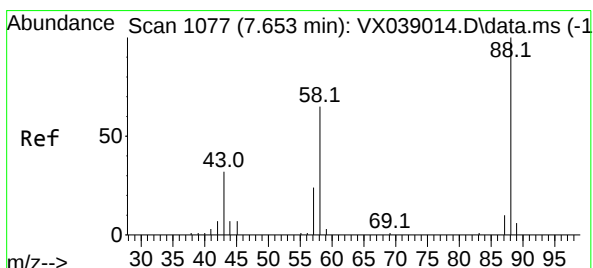
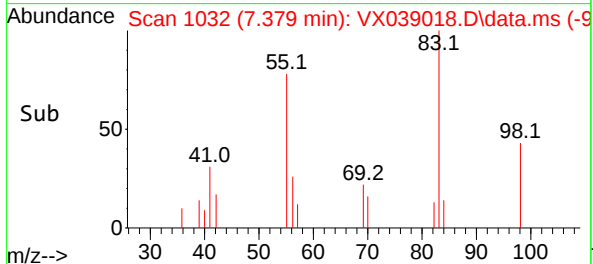
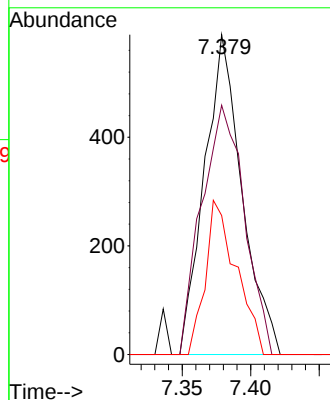
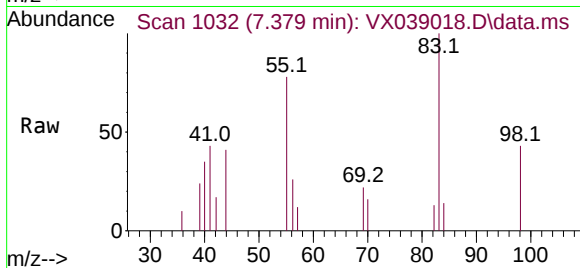
Tgt Ion: 83 Resp: 1122

Ion Ratio Lower Upper

83 100

55 88.6 38.6 116.0

98 39.8 22.3 66.8



#45

1,4-Dioxane

Concen: 2.572 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.024 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

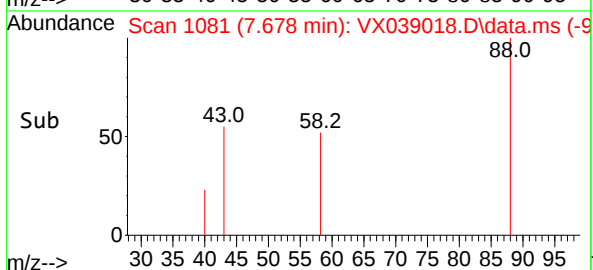
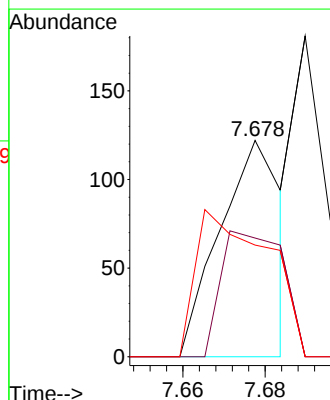
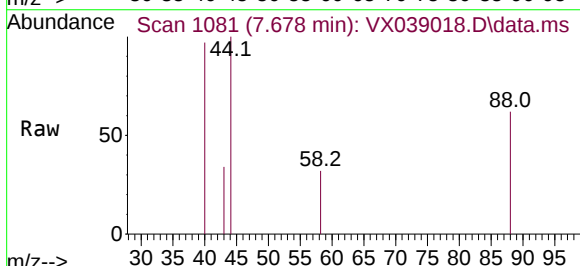
Tgt Ion: 88 Resp: 129

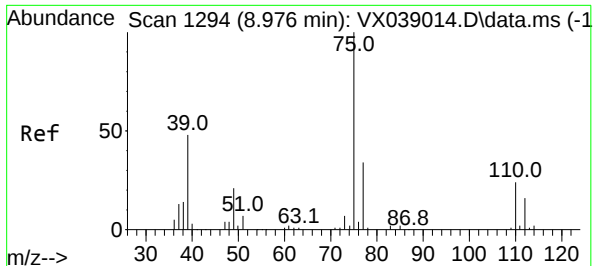
Ion Ratio Lower Upper

88 100

43 57.4 28.1 42.1#

58 61.2 57.7 86.5





#48

t-1,3-Dichloropropene

Concen: 0.257 ug/l

RT: 8.988 min Scan# 1195

Delta R.T. 0.012 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

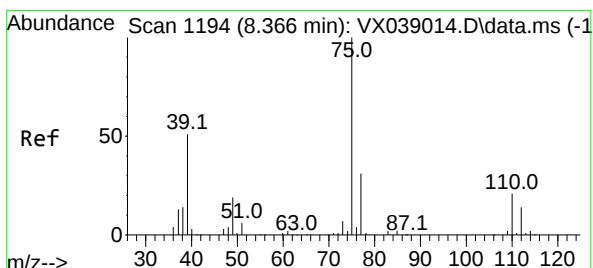
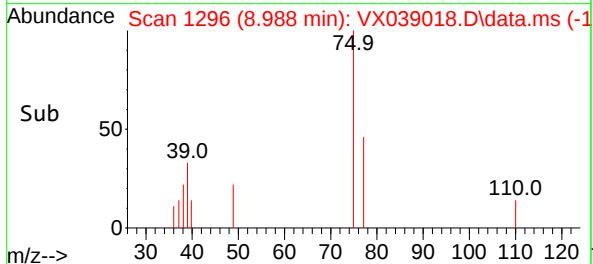
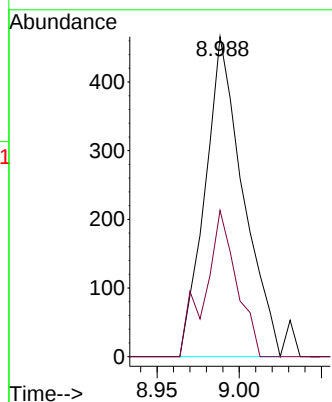
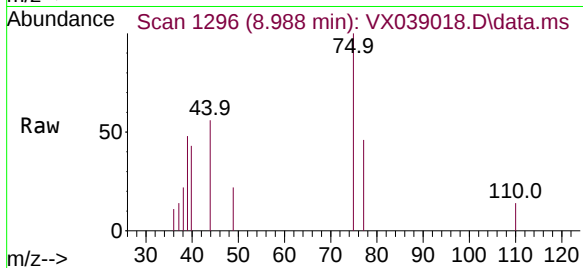
ClientSampleId :

Tgt Ion: 75 Resp: 748

Ion Ratio Lower Upper

75 100

77 45.7 26.8 40.2#



#49

cis-1,3-Dichloropropene

Concen: 0.213 ug/l

RT: 8.373 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

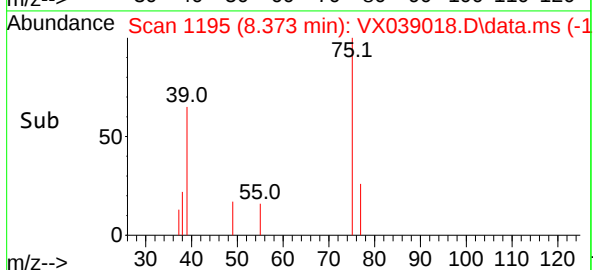
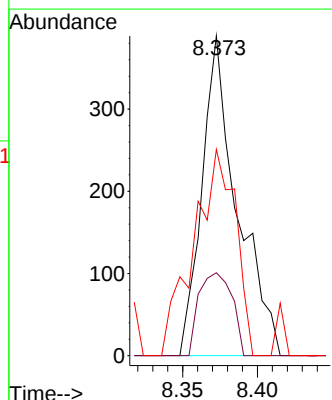
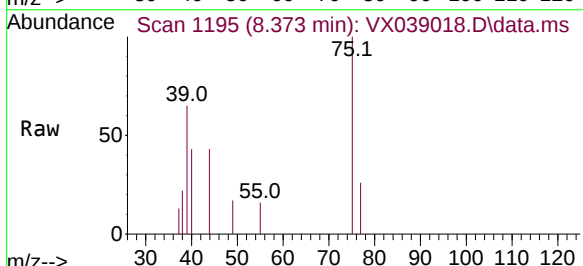
Tgt Ion: 75 Resp: 639

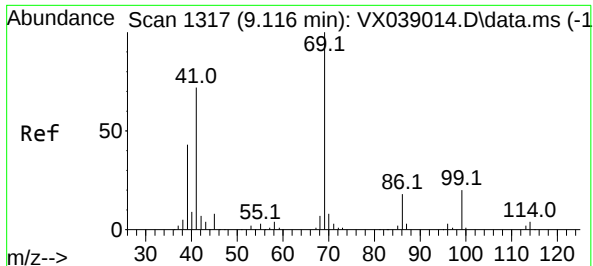
Ion Ratio Lower Upper

75 100

77 26.0 24.4 36.6

39 48.1 40.6 60.8





#51

Ethyl methacrylate

Concen: 0.228 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

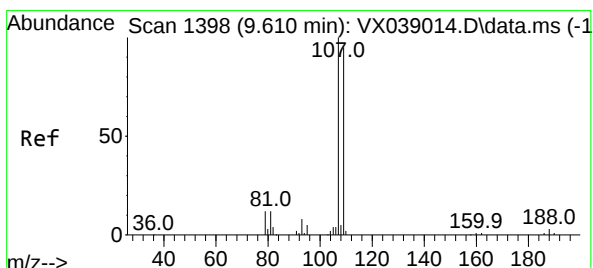
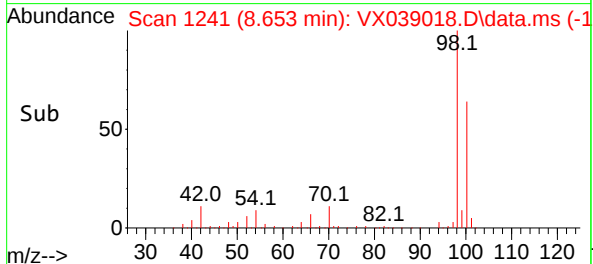
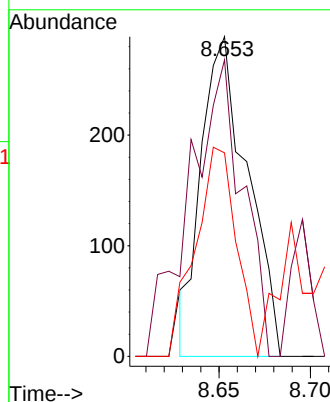
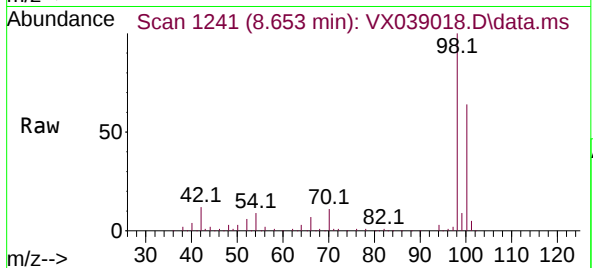
Tgt Ion: 69 Resp: 507

Ion Ratio Lower Upper

69 100

41 92.7 36.2 108.6

39 46.0 21.1 63.4



#54

1,2-Dibromoethane

Concen: 0.221 ug/l

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX039018.D

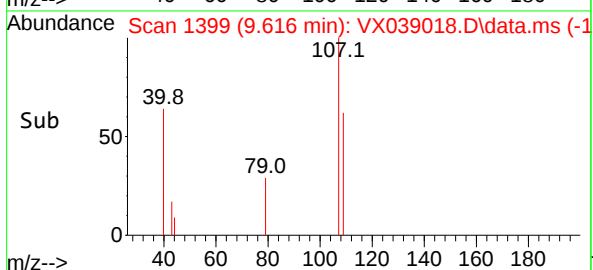
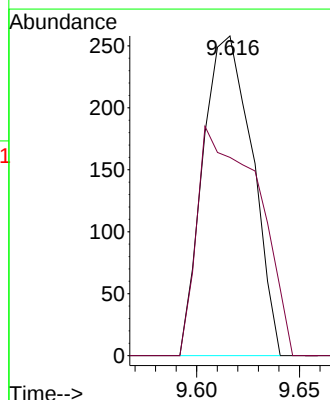
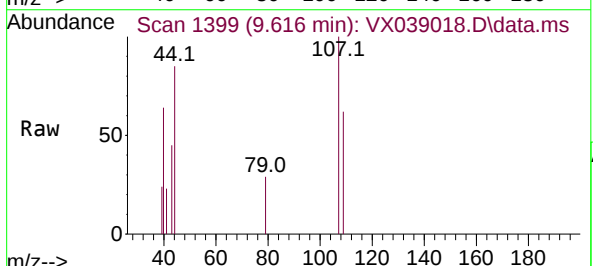
Acq: 24 Nov 2023 11:16

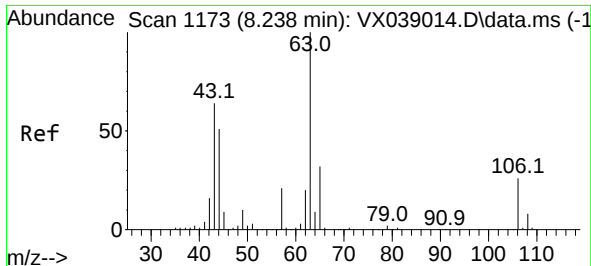
Tgt Ion: 107 Resp: 430

Ion Ratio Lower Upper

107 100

109 88.4 75.1 112.7





#55

2-Chloroethyl vinyl ether

Concen: 0.763 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.012 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

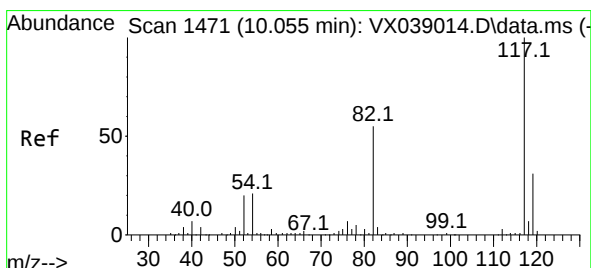
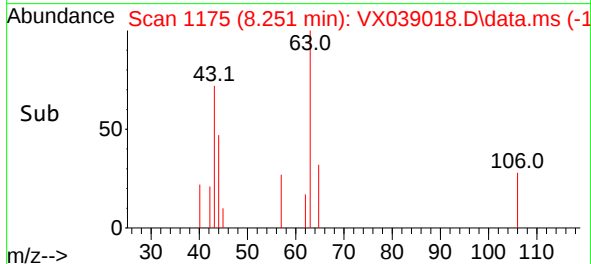
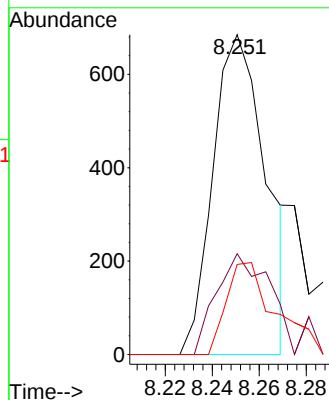
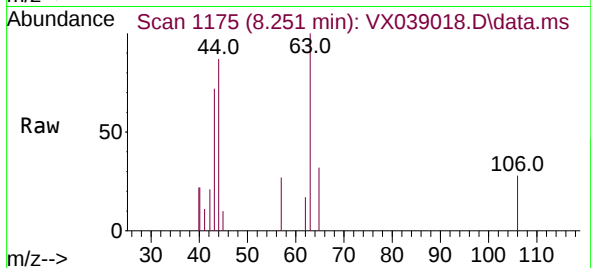
Tgt Ion: 63 Resp: 1074

Ion Ratio Lower Upper

63 100

65 31.6 25.8 38.6

106 26.5 20.6 31.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

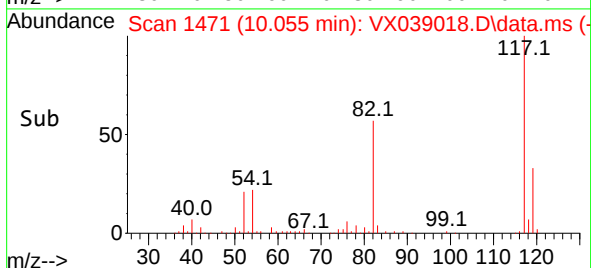
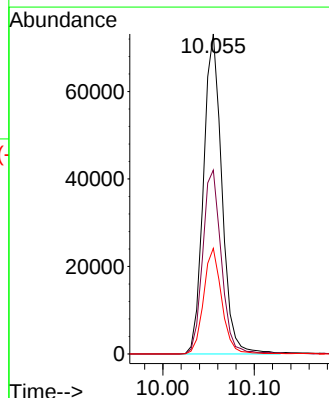
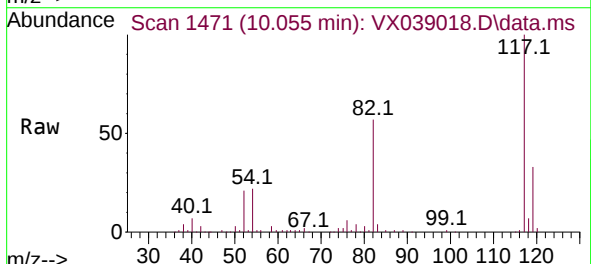
Tgt Ion: 117 Resp: 102400

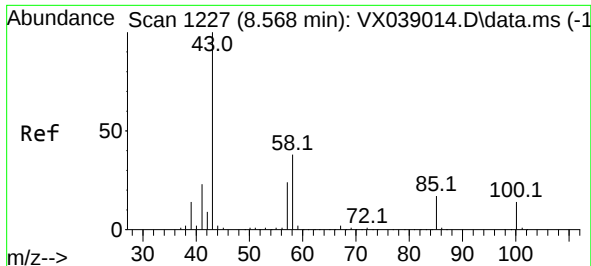
Ion Ratio Lower Upper

117 100

82 57.8 47.0 70.6

119 32.5 25.2 37.8





#58

4-Methyl-2-Pentanone

Concen: 0.341 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

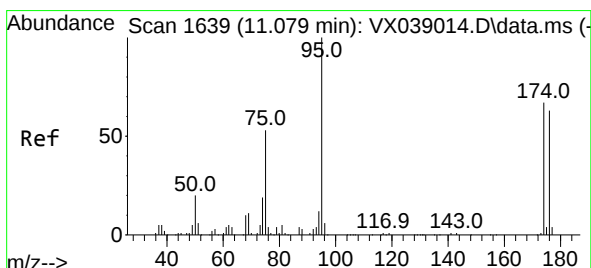
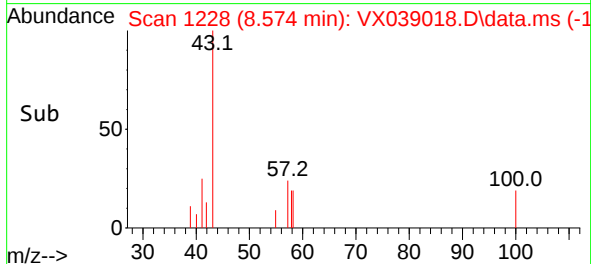
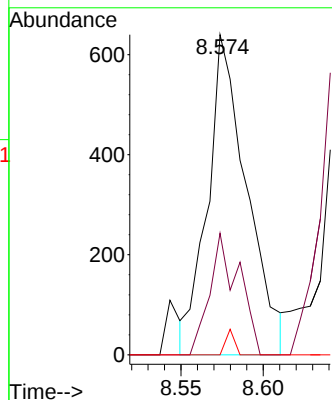
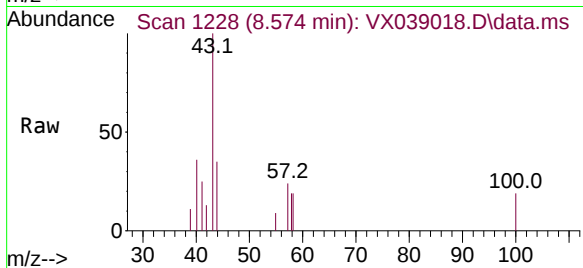
Tgt Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

58 28.4 30.1 45.1#

85 0.0 13.9 20.9#



#60

4-Bromofluorobenzene

Concen: 28.795 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

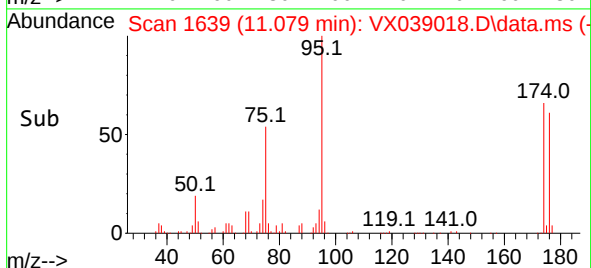
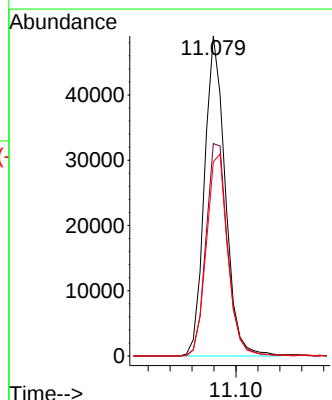
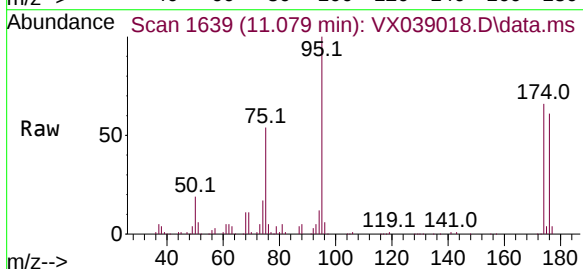
Tgt Ion: 95 Resp: 64402

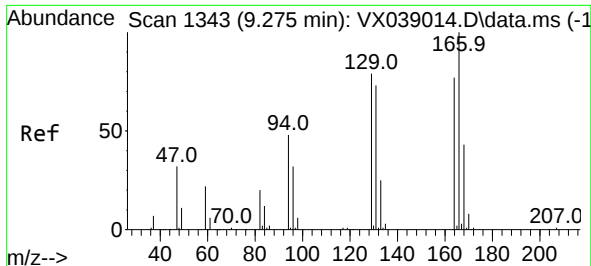
Ion Ratio Lower Upper

95 100

174 69.2 55.4 83.2

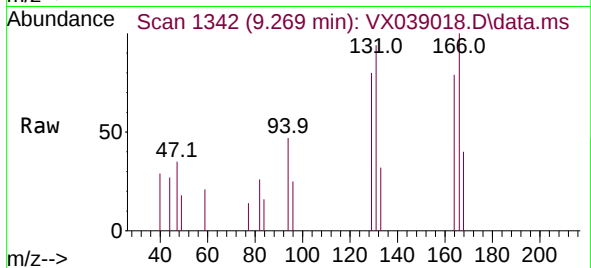
176 65.2 52.6 78.8



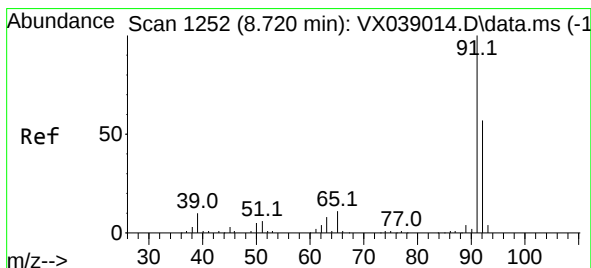
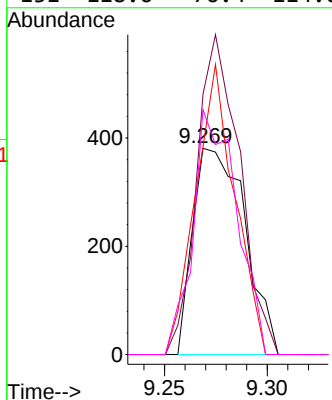
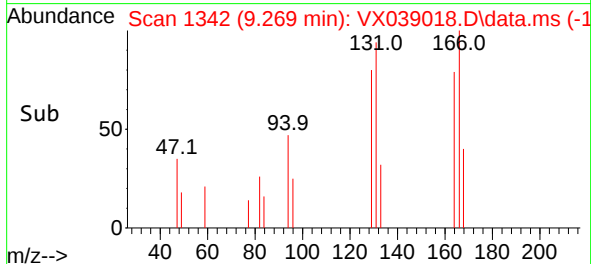


#61
Tetrachloroethene
Concen: 0.505 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Instrument :
MSVOA_X
ClientSampleId :

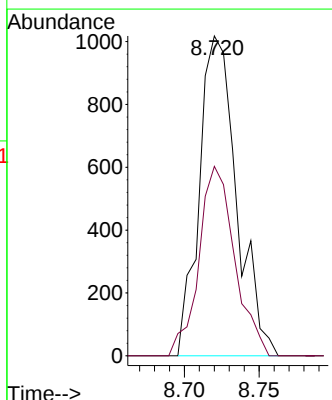
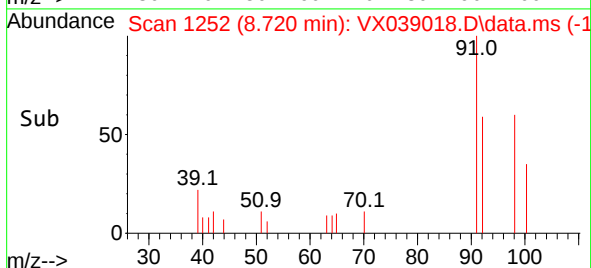
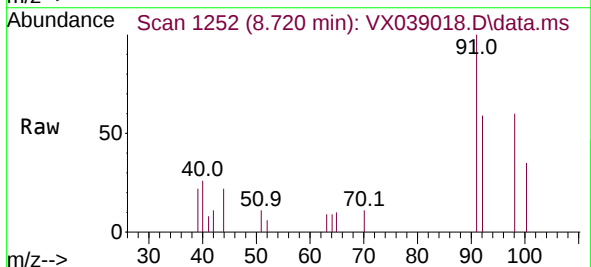


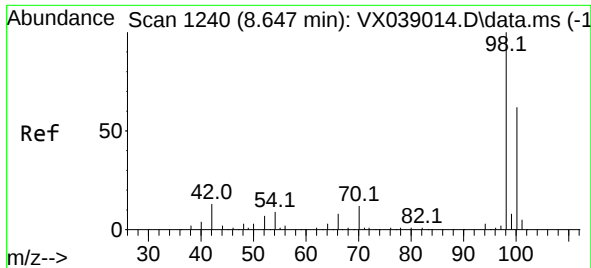
Tgt Ion:164 Resp: 672
Ion Ratio Lower Upper
164 100
166 126.2 104.0 156.0
129 100.8 82.0 123.0
131 118.6 76.4 114.6#



#62
Toluene
Concen: 0.244 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 91 Resp: 1776
Ion Ratio Lower Upper
91 100
92 56.4 45.9 68.9

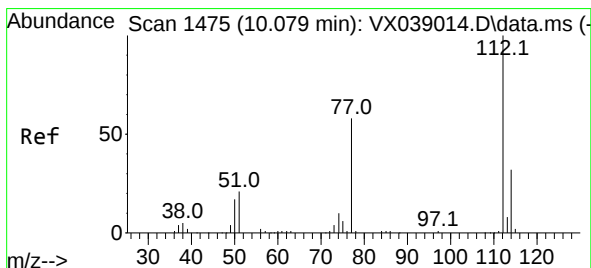
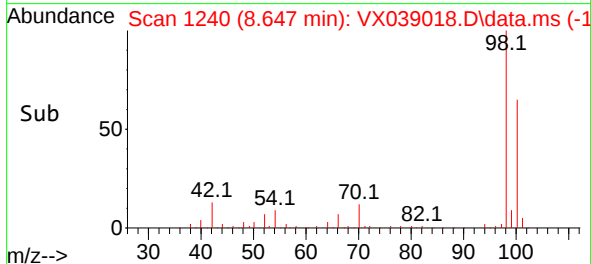
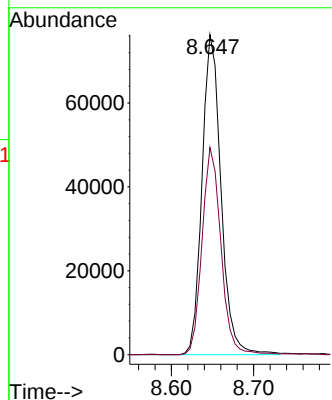
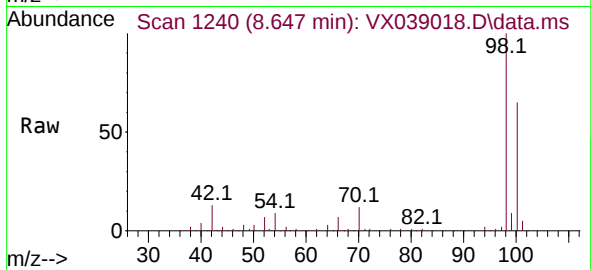




#63
Toluene-d8
Concen: 30.257 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

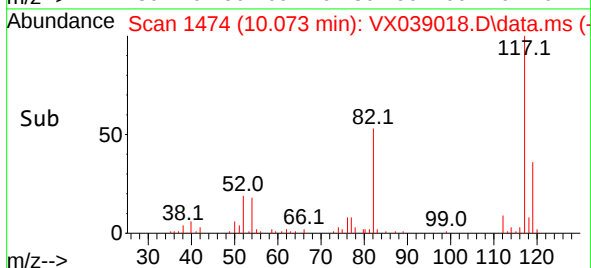
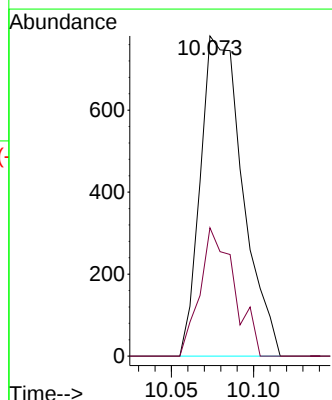
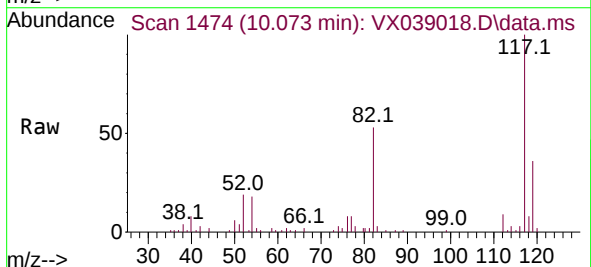
Instrument :
MSVOA_X
ClientSampleId :

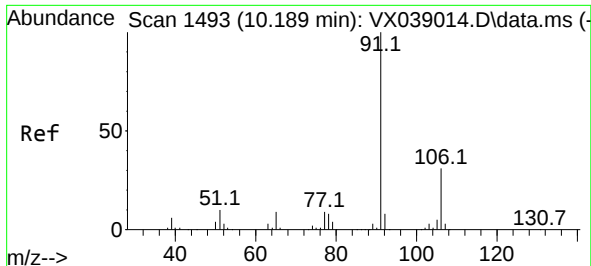
Tgt Ion: 98 Resp: 122497
Ion Ratio Lower Upper
98 100
100 64.5 51.0 76.4



#64
Chlorobenzene
Concen: 0.314 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion:112 Resp: 1389
Ion Ratio Lower Upper
112 100
114 40.1 25.9 38.9#

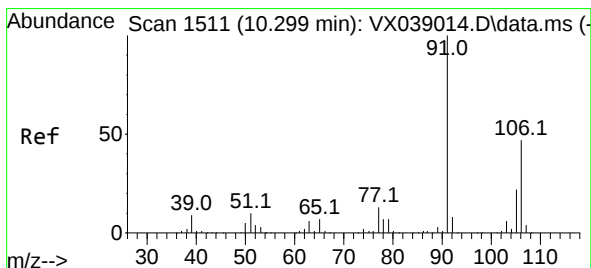
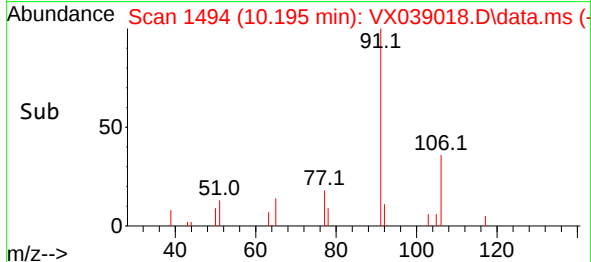
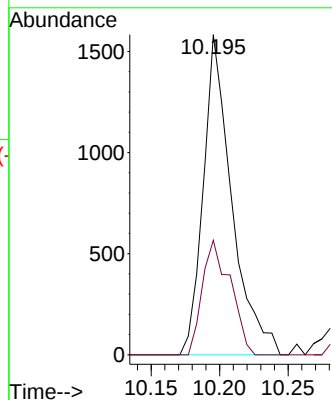
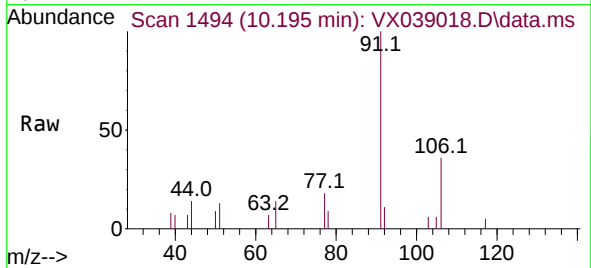




#66
Ethyl Benzene
Concen: 0.277 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

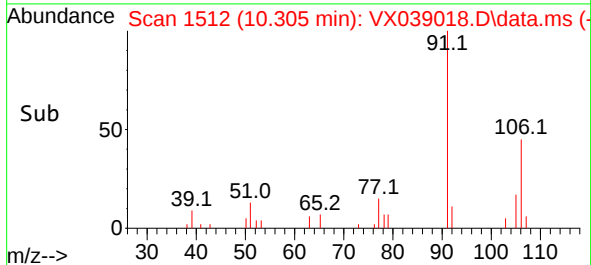
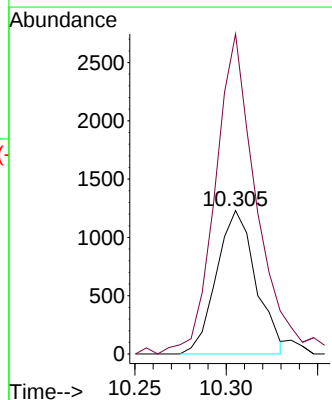
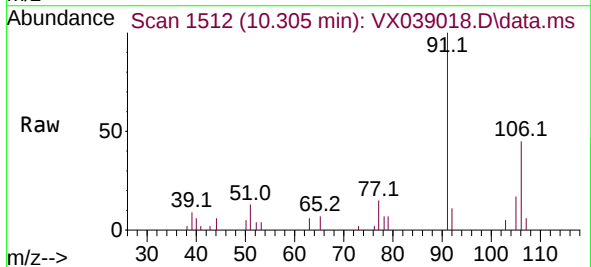
Instrument :
MSVOA_X
ClientSampleId :

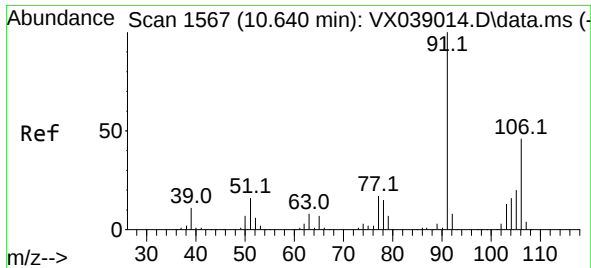
Tgt Ion: 91 Resp: 2290
Ion Ratio Lower Upper
91 100
106 35.8 24.4 36.6



#67
m/p-Xylenes
Concen: 0.604 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 106 Resp: 1849
Ion Ratio Lower Upper
106 100
91 233.6 169.4 254.0

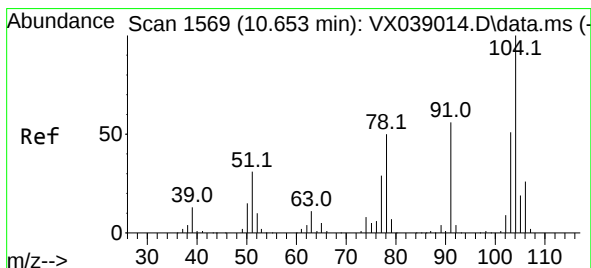
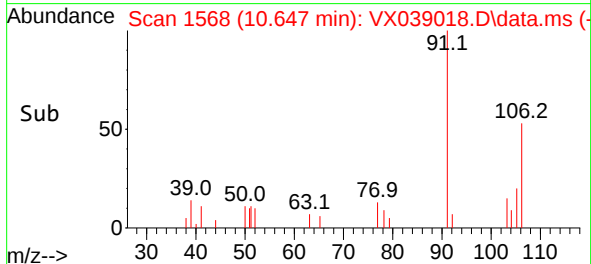
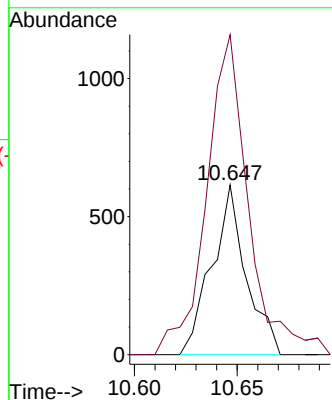
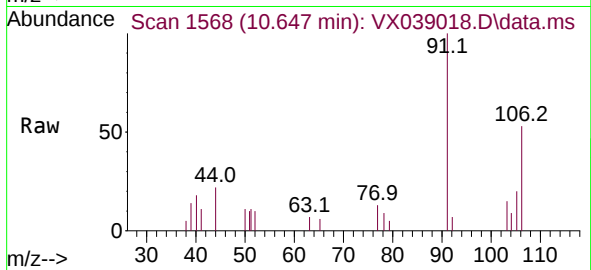




#68
o-Xylene
Concen: 0.241 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

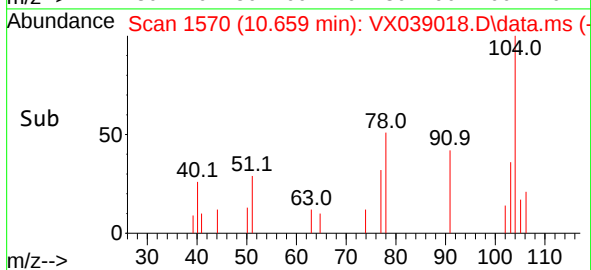
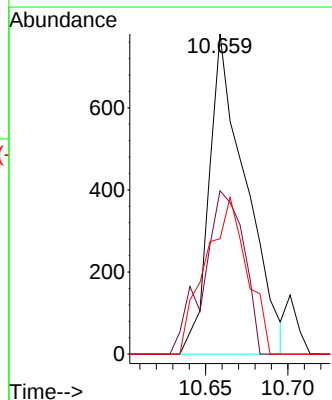
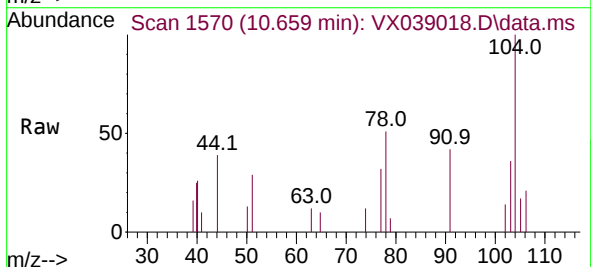
Instrument :
MSVOA_X
ClientSampleId :

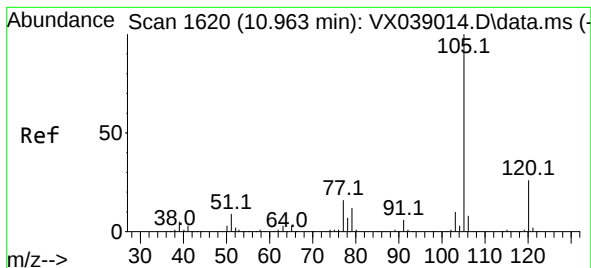
Tgt Ion:106 Resp: 715
Ion Ratio Lower Upper
106 100
91 227.1 111.2 333.6



#69
Styrene
Concen: 0.276 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion:104 Resp: 1209
Ion Ratio Lower Upper
104 100
78 56.1 43.7 65.5
103 55.4 44.6 67.0





#70

Isopropylbenzene

Concen: 0.281 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

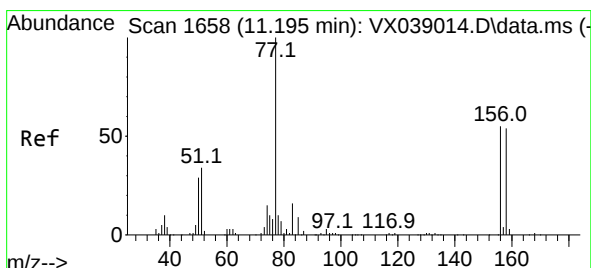
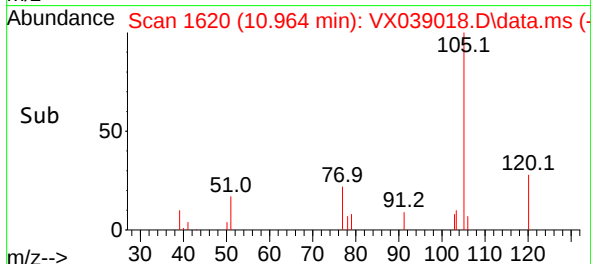
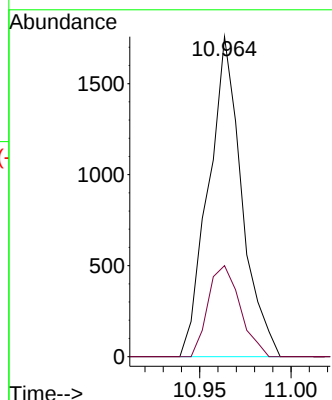
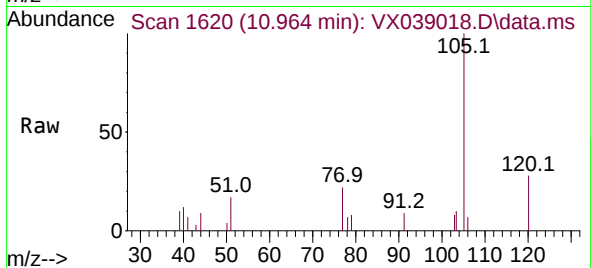
ClientSampleId :

Tgt Ion:105 Resp: 2226

Ion Ratio Lower Upper

105 100

120 27.4 18.5 34.3



#73

Bromobenzene

Concen: 0.348 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

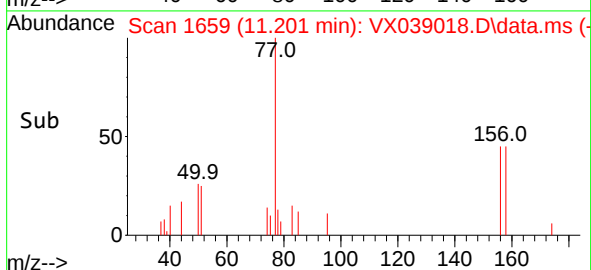
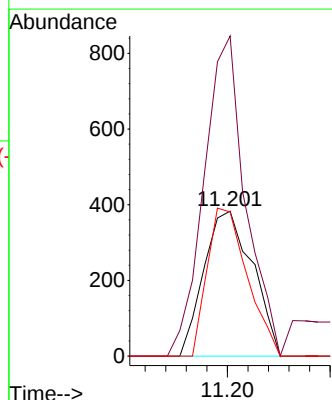
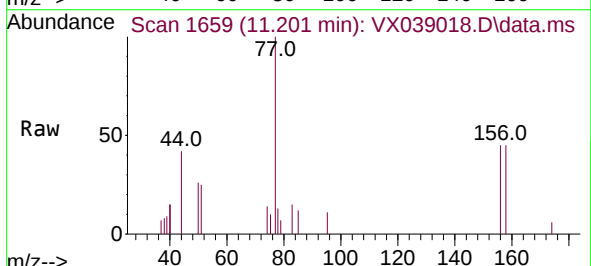
Tgt Ion:156 Resp: 628

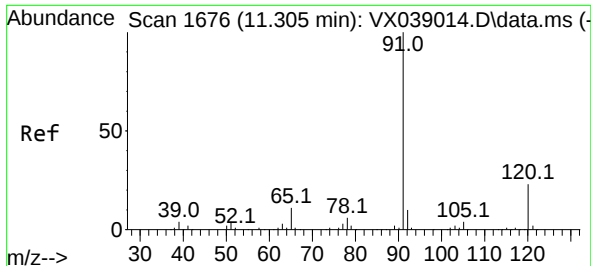
Ion Ratio Lower Upper

156 100

77 189.2 0.0 363.2

158 84.1 0.0 197.8

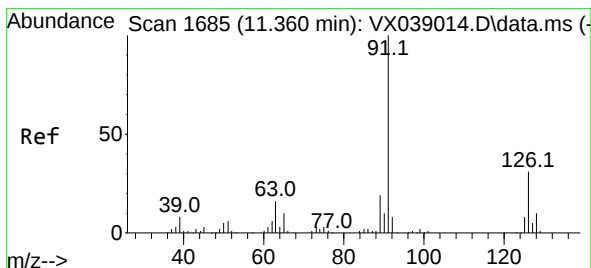
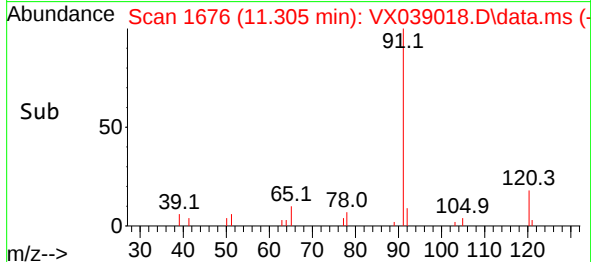
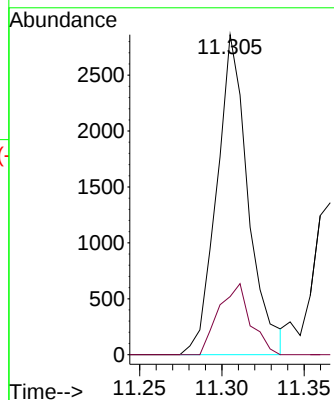
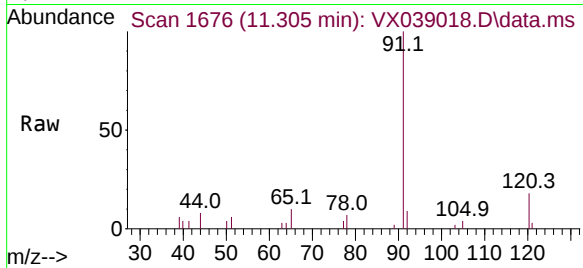




#74
n-propylbenzene
Concen: 0.392 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

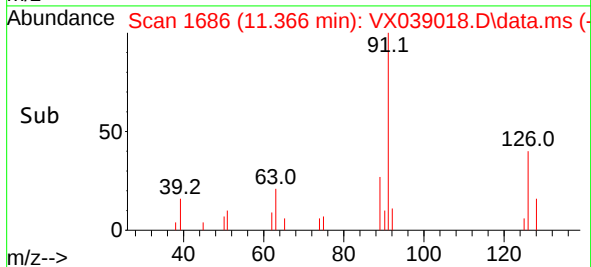
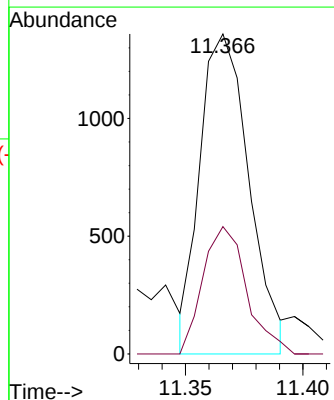
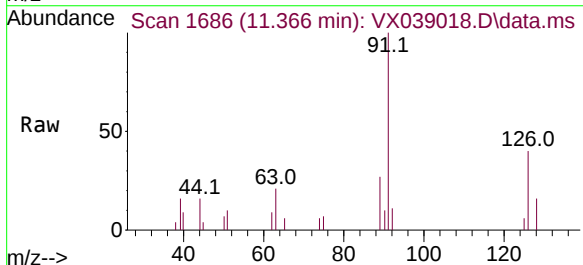
Instrument :
MSVOA_X
ClientSampleId :

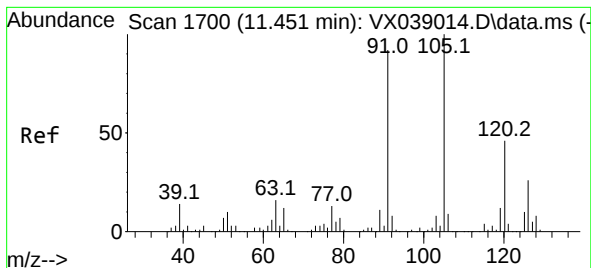
Tgt Ion: 91 Resp: 3812
Ion Ratio Lower Upper
91 100
120 22.4 0.0 43.4



#75
2-Chlorotoluene
Concen: 0.346 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 91 Resp: 1971
Ion Ratio Lower Upper
91 100
126 35.6 0.0 64.2





#76

1,3,5-Trimethylbenzene

Concen: 0.352 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

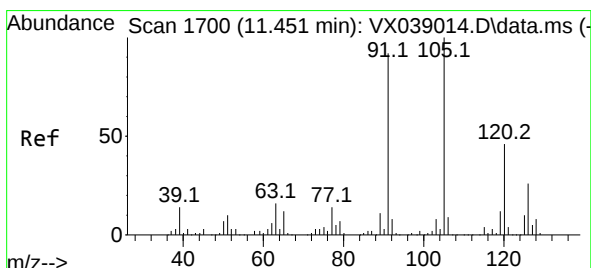
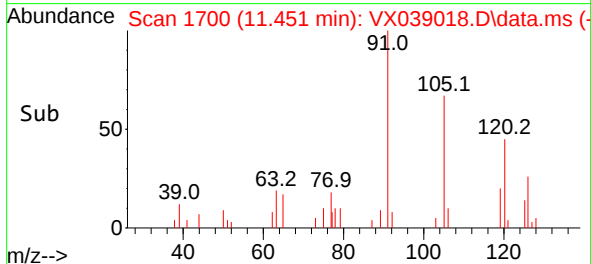
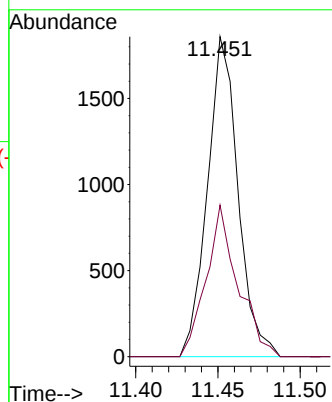
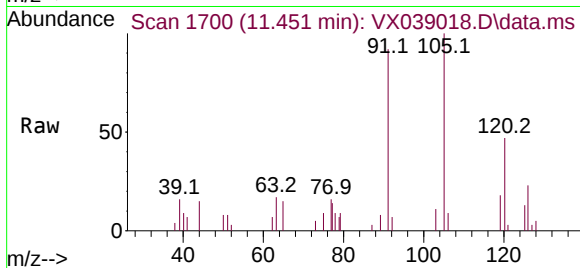
ClientSampleId :

Tgt Ion:105 Resp: 2405

Ion Ratio Lower Upper

105 100

120 49.1 0.0 92.6



#78

4-Chlorotoluene

Concen: 0.484 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX039018.D

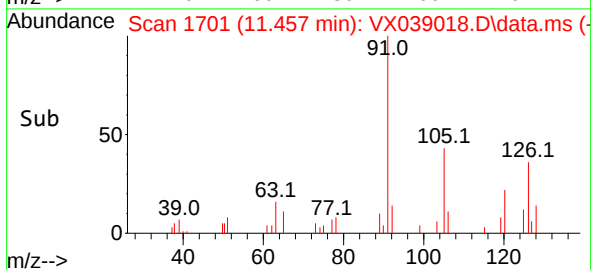
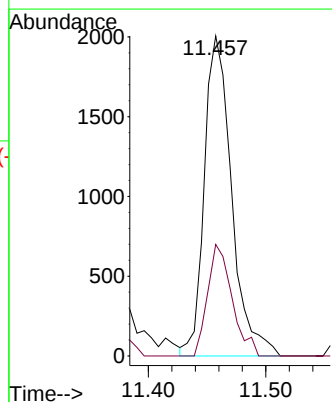
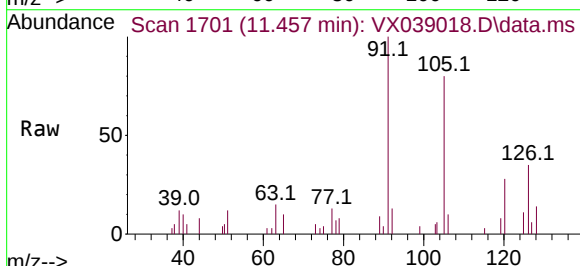
Acq: 24 Nov 2023 11:16

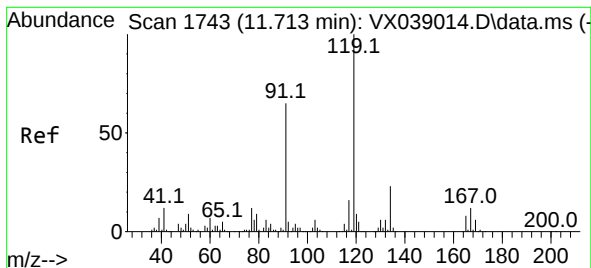
Tgt Ion: 91 Resp: 3241

Ion Ratio Lower Upper

91 100

126 31.2 0.0 57.4





#79

tert-butylbenzene

Concen: 0.255 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

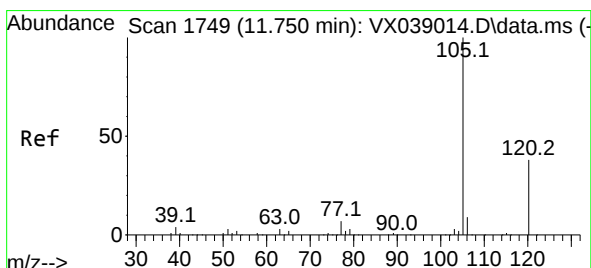
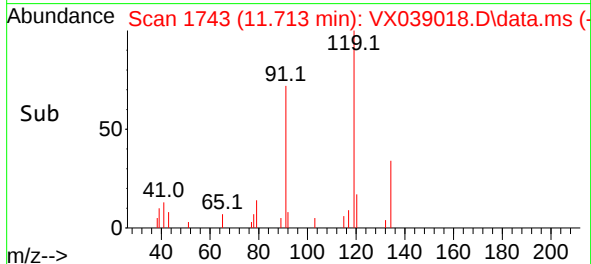
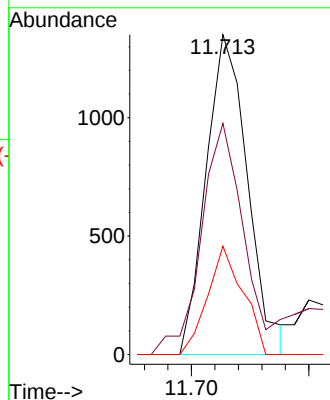
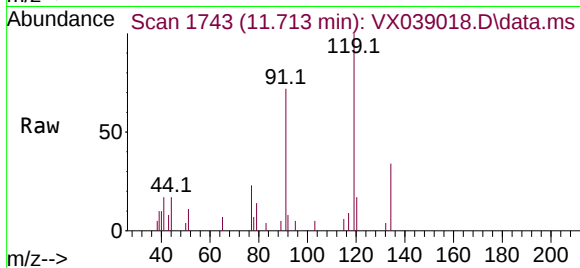
Tgt Ion:119 Resp: 1659

Ion Ratio Lower Upper

119 100

91 72.4 0.0 125.6

134 29.0 0.0 43.8



#80

1,2,4-Trimethylbenzene

Concen: 0.385 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039018.D

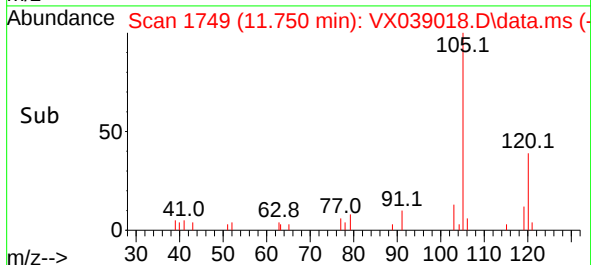
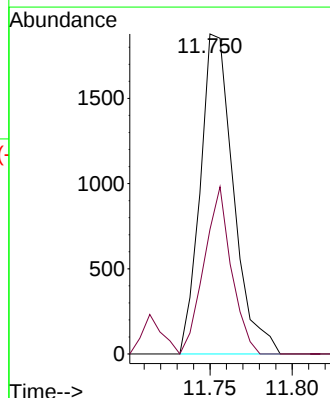
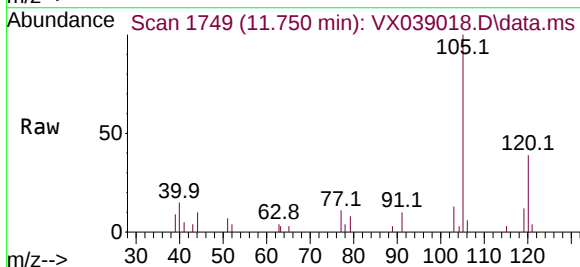
Acq: 24 Nov 2023 11:16

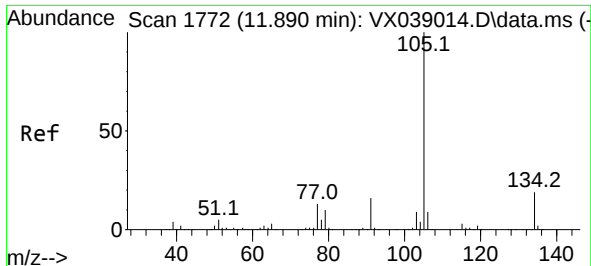
Tgt Ion:105 Resp: 2635

Ion Ratio Lower Upper

105 100

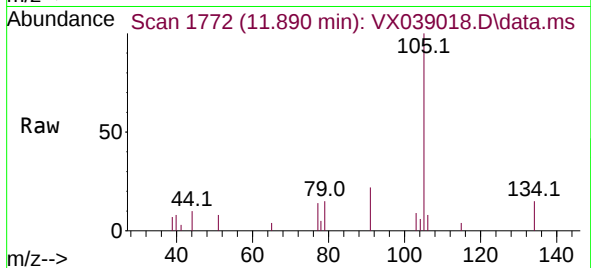
120 42.8 0.0 86.4



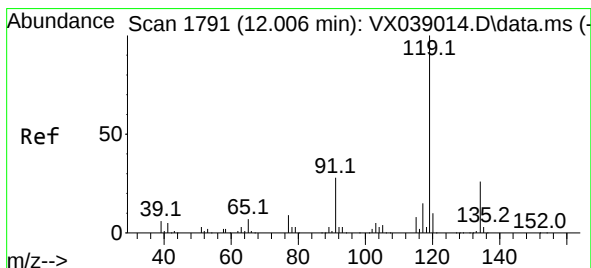
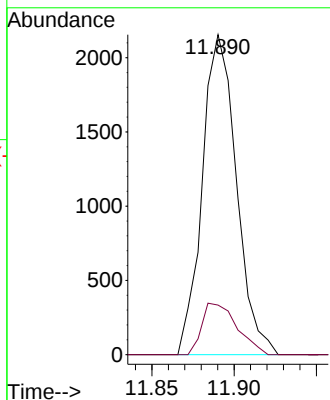
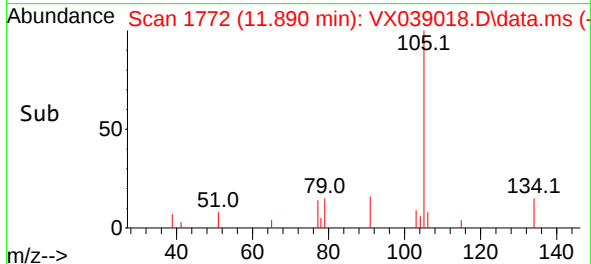


#81
 sec-Butylbenzene
 Concen: 0.379 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX039018.D
 Acq: 24 Nov 2023 11:16

Instrument :
 MSVOA_X
 ClientSampleId :

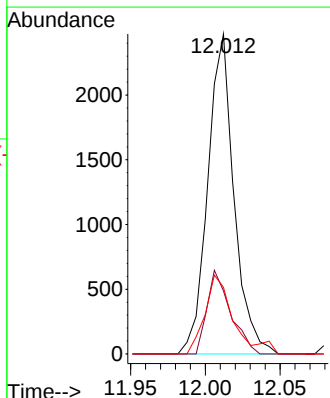
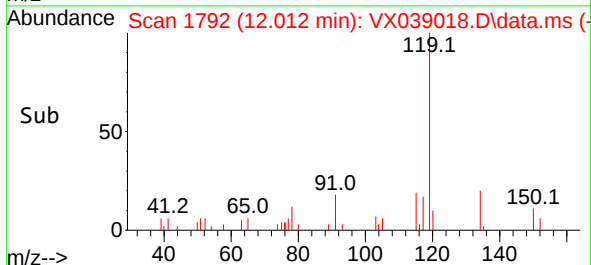
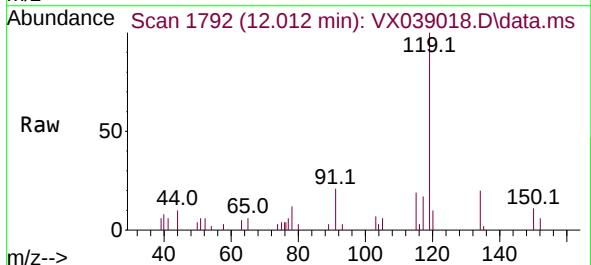


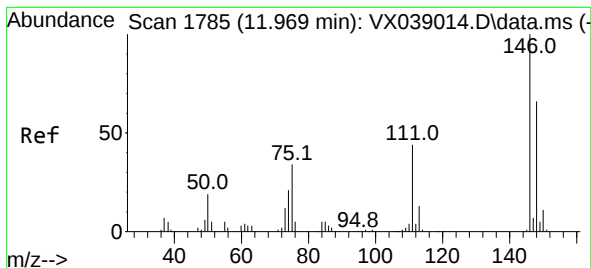
Tgt Ion:105 Resp: 3113
 Ion Ratio Lower Upper
 105 100
 134 16.5 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 0.434 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX039018.D
 Acq: 24 Nov 2023 11:16

Tgt Ion:119 Resp: 3017
 Ion Ratio Lower Upper
 119 100
 134 23.4 0.0 52.6
 91 24.6 0.0 54.2





#83

1,3-Dichlorobenzene

Concen: 0.562 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

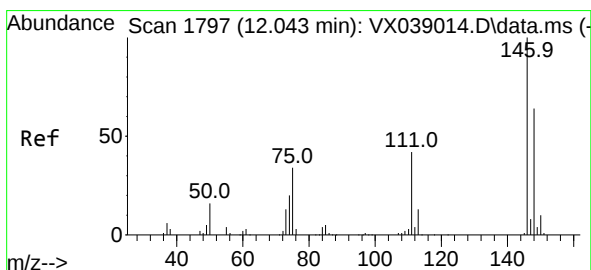
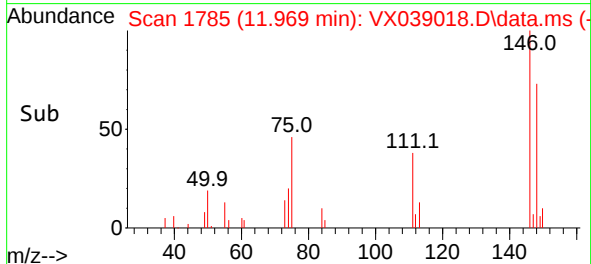
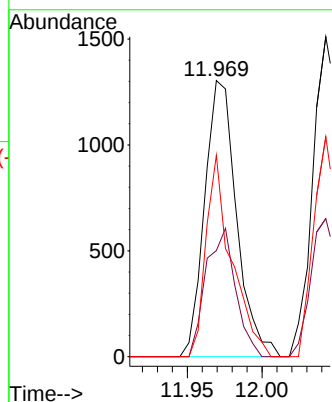
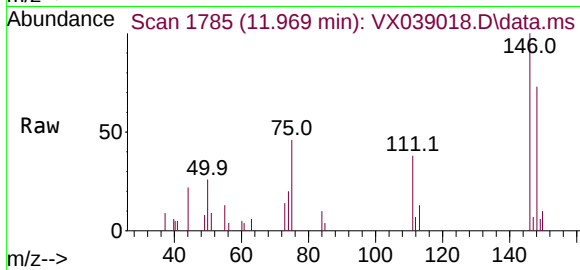
Tgt Ion:146 Resp: 1940

Ion Ratio Lower Upper

146 100

111 42.9 22.3 66.9

148 58.5 32.8 98.3



#84

1,4-Dichlorobenzene

Concen: 0.647 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

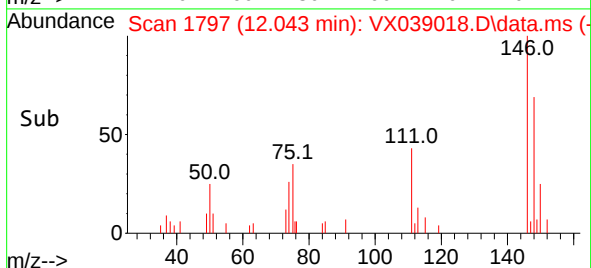
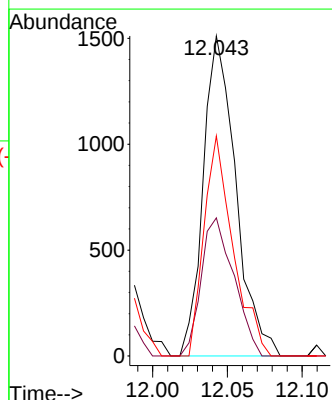
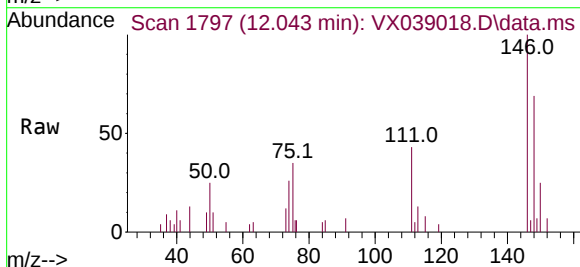
Tgt Ion:146 Resp: 2292

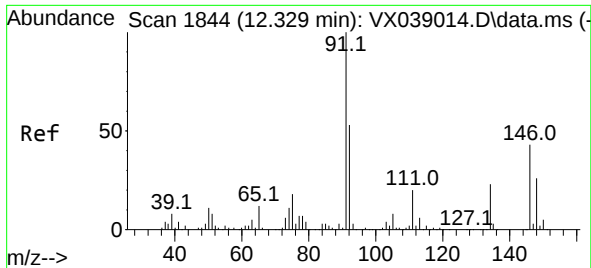
Ion Ratio Lower Upper

146 100

111 43.3 21.4 64.2

148 61.3 31.8 95.4

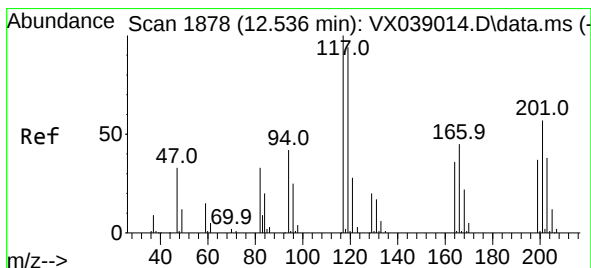
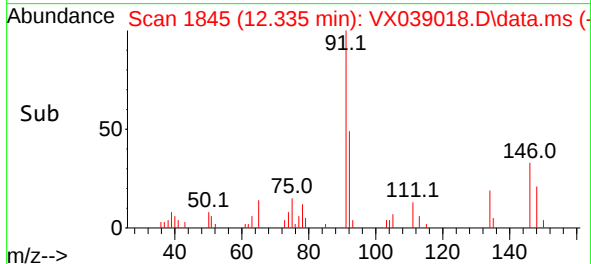
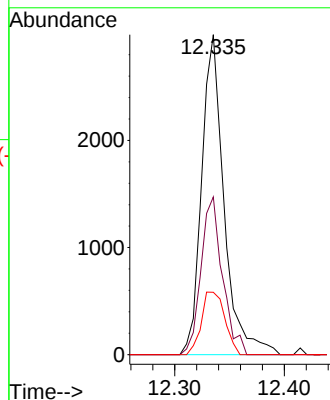
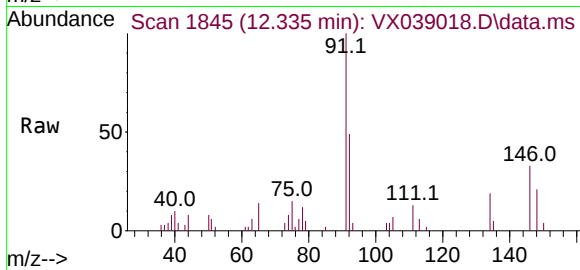




#85
n-Butylbenzene
Concen: 0.617 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

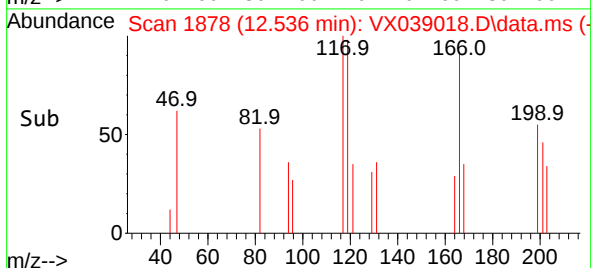
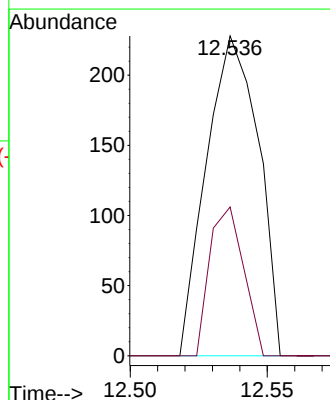
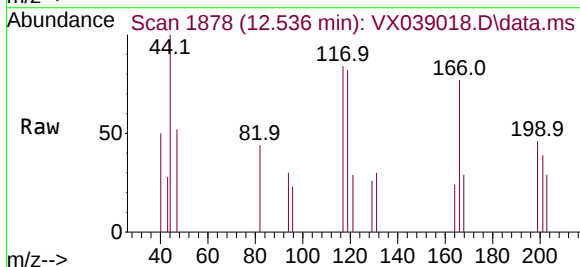
Instrument :
MSVOA_X
ClientSampleId :

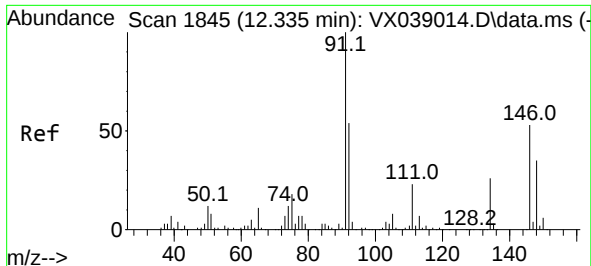
Tgt Ion: 91 Resp: 4240
Ion Ratio Lower Upper
91 100
92 47.2 0.0 106.2
134 20.4 0.0 48.8



#86
Hexachloroethane
Concen: 0.228 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 117 Resp: 301
Ion Ratio Lower Upper
117 100
201 30.2 31.8 95.3#

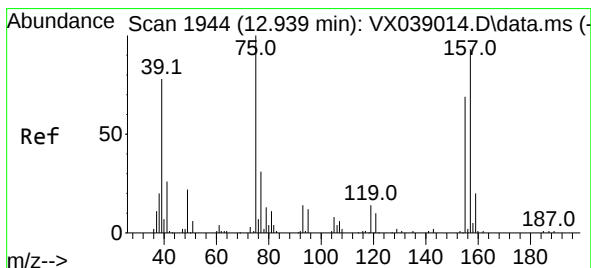
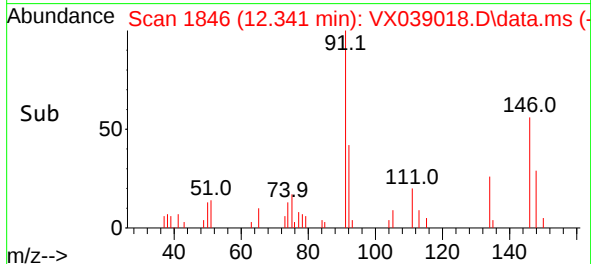
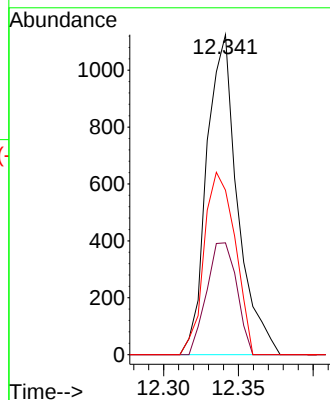
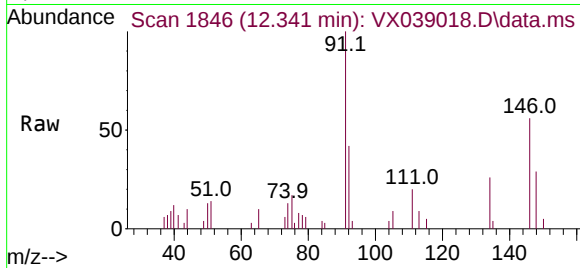




#87
1,2-Dichlorobenzene
Concen: 0.485 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

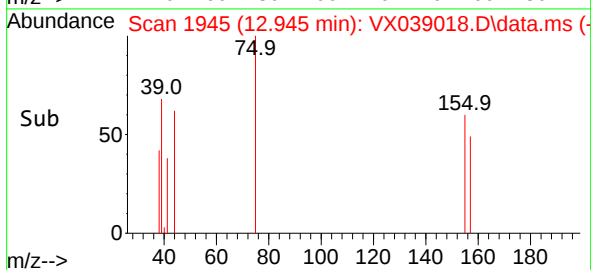
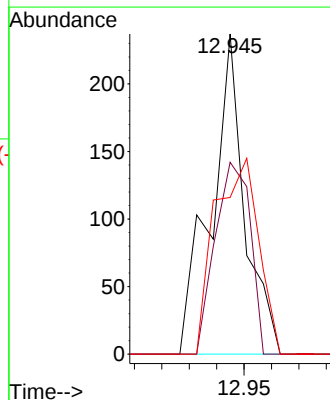
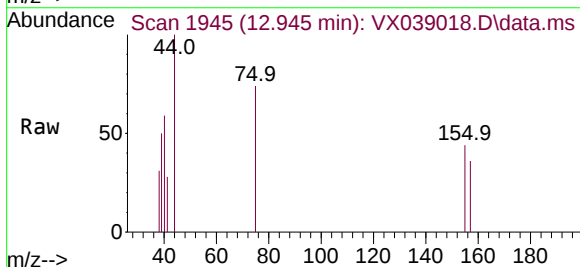
Instrument :
MSVOA_X
ClientSampleId :

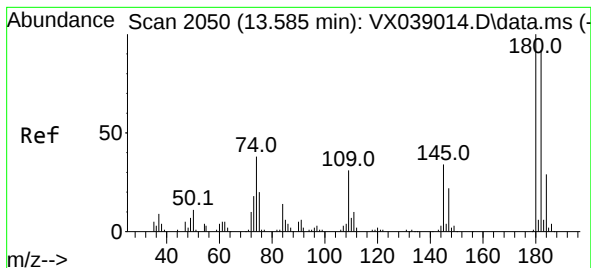
Tgt Ion:146 Resp: 1610
Ion Ratio Lower Upper
146 100
111 34.1 22.4 67.2
148 57.5 31.9 95.7



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.266 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX039018.D
Acq: 24 Nov 2023 11:16

Tgt Ion: 75 Resp: 201
Ion Ratio Lower Upper
75 100
155 63.2 58.2 87.4
157 79.6 76.5 114.7





#89

1,2,4-Trichlorobenzene

Concen: 1.235 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

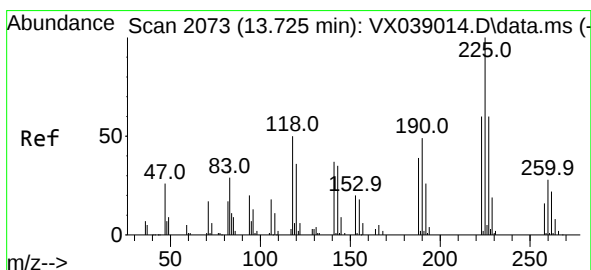
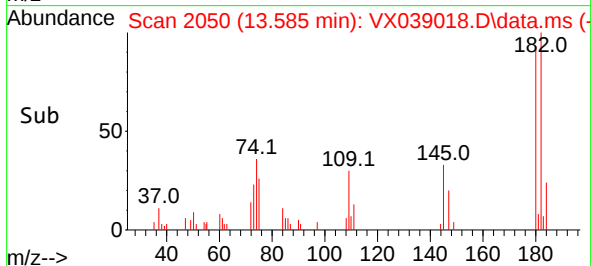
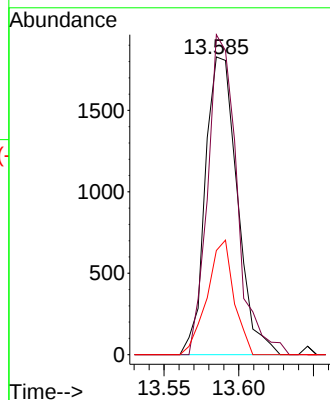
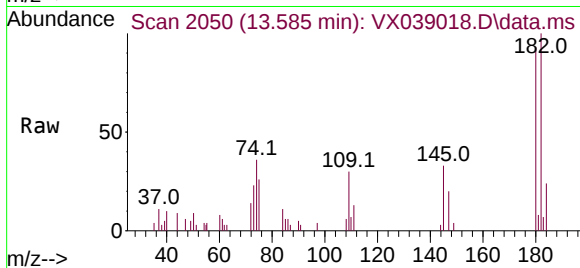
Tgt Ion:180 Resp: 2719

Ion Ratio Lower Upper

180 100

182 98.5 74.5 111.7

145 32.1 26.6 40.0



#90

Hexachlorobutadiene

Concen: 2.136 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

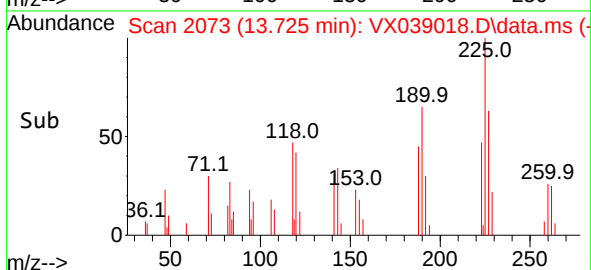
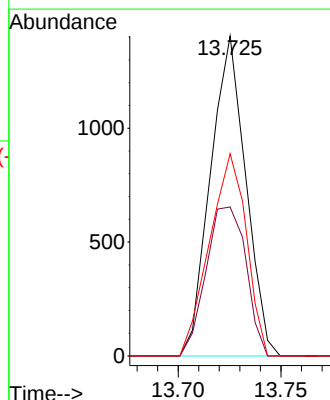
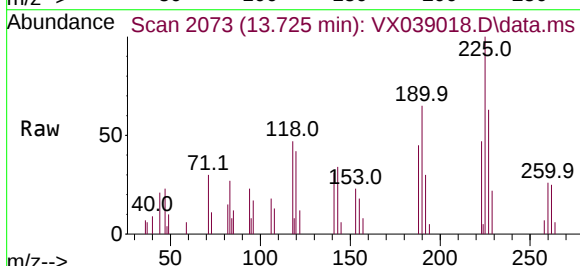
Tgt Ion:225 Resp: 1680

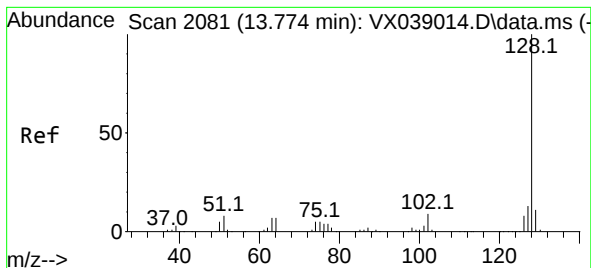
Ion Ratio Lower Upper

225 100

223 52.7 0.0 124.4

227 65.9 0.0 124.4





#91

Naphthalene

Concen: 1.144 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

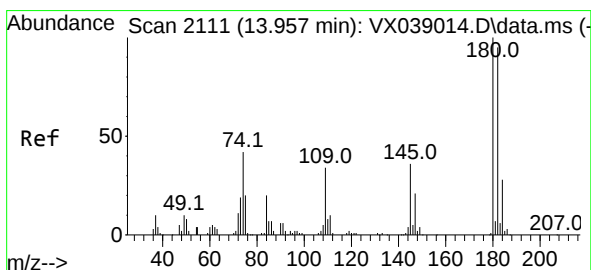
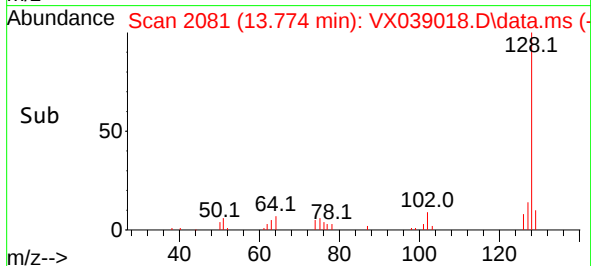
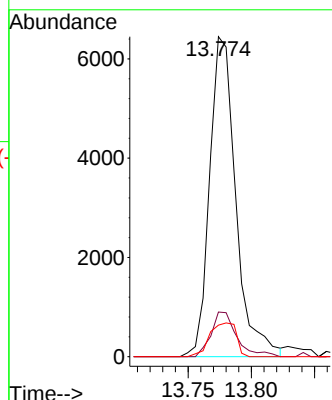
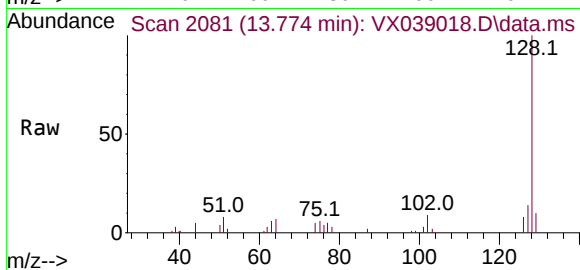
Tgt Ion:128 Resp: 9291

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

129 10.7 8.6 12.8



#92

1,2,3-Trichlorobenzene

Concen: 1.134 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039018.D

Acq: 24 Nov 2023 11:16

Tgt Ion:180 Resp: 2418

Ion Ratio Lower Upper

180 100

182 90.7 0.0 191.6

145 40.2 0.0 69.6

