

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121823\
 Data File : VX039314.D
 Acq On : 18 Dec 2023 16:13
 Operator : JC/MD
 Sample : 05806-07MSME
 Misc : 5.45/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 21:47:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 18 21:43:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	224709	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	206907	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	105895	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	64083	36.359	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.720%
7) Chloroethane-d5	1.648	69	17741	13.618	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	27.240%#
11) 1,1-Dichloroethene-d2	2.276	65	31226	40.361	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.720%
21) 2-Butanone-d5	4.489	46	144810	90.767	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.770%
24) Chloroform-d	5.062	84	146516	46.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.920%
26) 1,2-Dichloroethane-d4	5.958	65	98407	48.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.400%
32) Benzene-d6	5.971	84	281351	44.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.120%
36) 1,2-Dichloropropane-d6	7.312	67	92275	44.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.800%
41) Toluene-d8	8.647	98	248382	42.922	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.840%
43) trans-1,3-Dichloroprop...	8.952	79	43077	41.192	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.380%
47) 2-Hexanone-d5	9.397	63	109403	89.135	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.130%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	136418	46.795	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.323	152	86529	43.230	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	91904	51.285	ug/L	100
3) Chloromethane	1.307	50	98650	52.668	ug/L	100
5) Vinyl chloride	1.374	62	97189	52.648	ug/L	99
6) Bromomethane	1.599	94	35201	35.328	ug/L	98
8) Chloroethane	1.666	64	25349	24.289	ug/L	99
9) Trichlorofluoromethane	1.837	101	70406	29.428	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.300	101	88071	57.227	ug/L	99
12) 1,1-Dichloroethene	2.294	96	78333	54.112	ug/L #	79
13) Acetone	2.416	43	159541	104.094	ug/L	94
14) Carbon disulfide	2.483	76	204993	44.501	ug/L	99
15) Methyl Acetate	2.721	43	127264	58.093	ug/L	99
16) Methylene chloride	2.782	84	89112	53.579	ug/L	97
17) trans-1,2-Dichloroethene	3.081	96	84860	55.637	ug/L	92
18) Methyl tert-butyl Ether	3.136	73	317032	59.715	ug/L	98
19) 1,1-Dichloroethane	3.605	63	173831	57.639	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	97864	55.318	ug/L	97
22) 2-Butanone	4.593	43	198920	105.754	ug/L	98
23) Bromochloromethane	4.904	128	40101	48.220	ug/L	98
25) Chloroform	5.099	83	174485	58.005	ug/L	96

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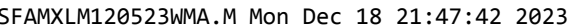
Instrument :
 MSVOA_X
 ClientSampleId :

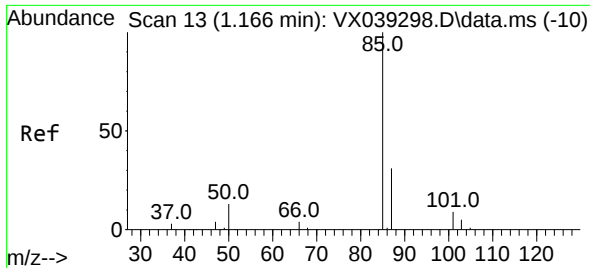
Quant Time: Dec 18 21:47:33 2023
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 Quant Title : VOC Analysis
 QLast Update : Mon Dec 18 21:43:41 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	147632	62.183	ug/L	95
29) Cyclohexane	5.458	56	161880	55.929	ug/L	97
30) 1,1,1-Trichloroethane	5.379	97	143274	57.071	ug/L	99
31) Carbon tetrachloride	5.672	117	111295	53.137	ug/L	100
33) Benzene	6.031	78	369577	56.207	ug/L	100
34) Trichloroethene	7.123	95	99740	57.398	ug/L	97
35) Methylcyclohexane	7.373	83	153595	53.072	ug/L	95
37) 1,2-Dichloropropane	7.428	63	100901	55.331	ug/L	100
38) Bromodichloromethane	7.824	83	118885	53.600	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	156043	53.651	ug/L	99
40) 4-Methyl-2-pentanone	8.586	43	345756	113.130	ug/L	99
42) Toluene	8.720	91	378149	54.233	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	146512	54.283	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	91845	54.958	ug/L	97
46) Tetrachloroethene	9.275	164	61914	54.012	ug/L	98
48) 2-Hexanone	9.439	43	280575	109.685	ug/L	98
49) Dibromochloromethane	9.525	129	83466	51.266	ug/L	97
50) 1,2-Dibromoethane	9.610	107	99592	55.626	ug/L	99
51) Chlorobenzene	10.080	112	231709	53.799	ug/L	95
52) Ethylbenzene	10.195	91	429095	55.047	ug/L	99
53) m,p-Xylene	10.305	106	156264	53.616	ug/L	98
54) o-Xylene	10.640	106	151717	54.250	ug/L	94
55) Styrene	10.659	104	262553	54.869	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	161817	55.482	ug/L	99
59) Bromoform	10.805	173	55620	44.691	ug/L	100
60) Isopropylbenzene	10.964	105	413873	53.487	ug/L	99
61) 1,2,3-Trichloropropane	11.244	75	129980	56.032	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	354954	54.335	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	352798	55.076	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	177912	53.718	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	181950	54.215	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	173887	54.886	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	38616	53.339	ug/L	98
69) 1,3,5-Trichlorobenzene	13.116	180	122369	55.869	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	115750	56.058	ug/L	99
71) Naphthalene	13.774	128	403014	56.912	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	114332	57.186	ug/L	99

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

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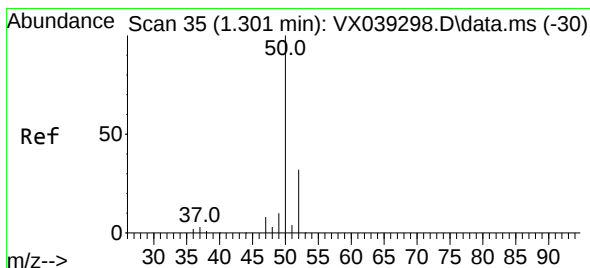
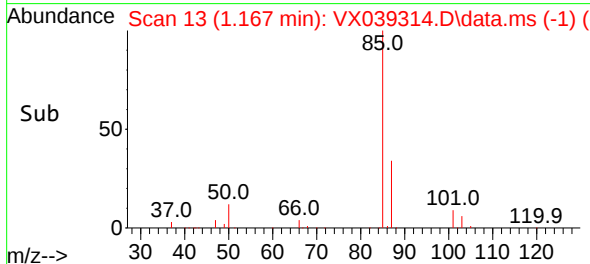
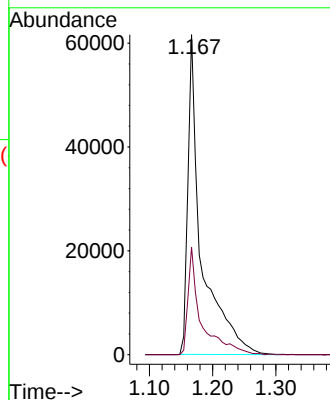
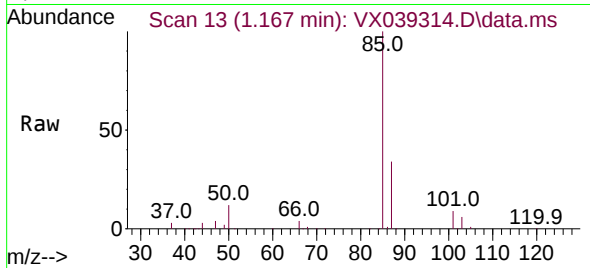




#2
Dichlorodifluoromethane
Concen: 51.285 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

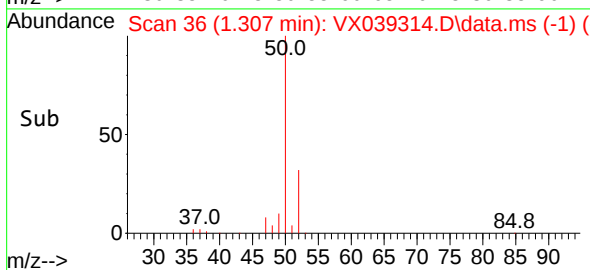
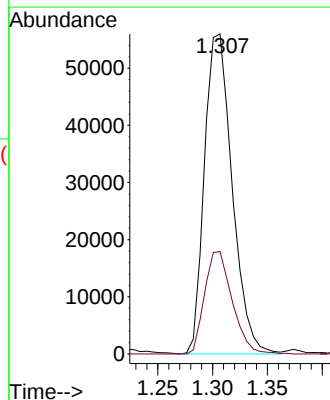
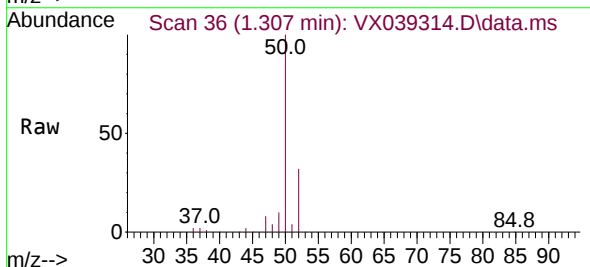
Instrument :
MSVOA_X
ClientSampleId :

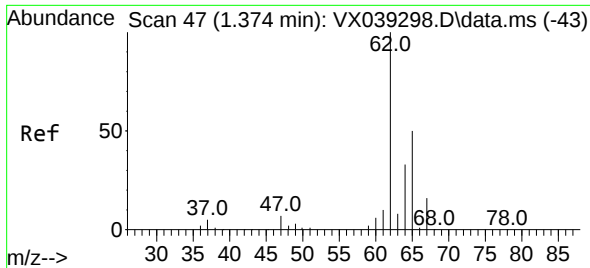
Tgt Ion: 85 Resp: 91904
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.4



#3
Chloromethane
Concen: 52.668 ug/L
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion: 50 Resp: 98650
Ion Ratio Lower Upper
50 100
52 32.0 22.4 41.6

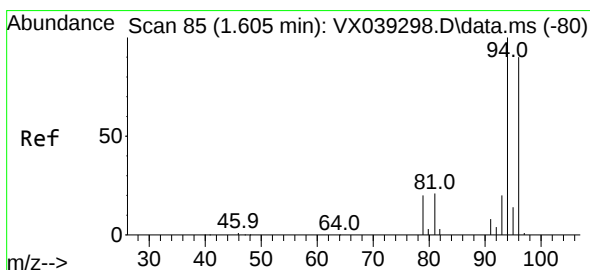
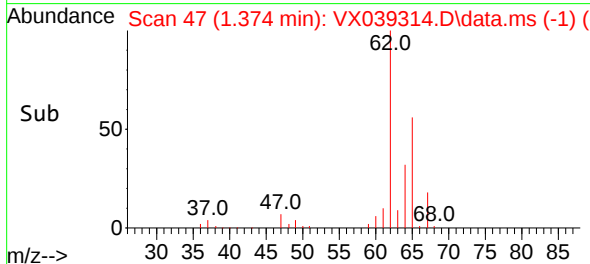
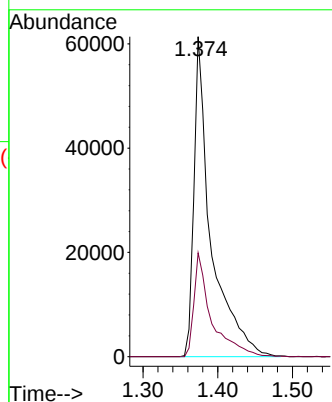
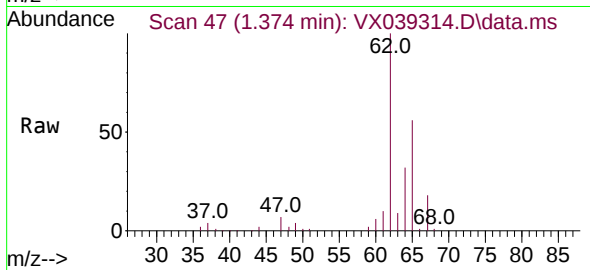




#5
 Vinyl chloride
 Concen: 52.648 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX039314.D
 Acq: 18 Dec 2023 16:13

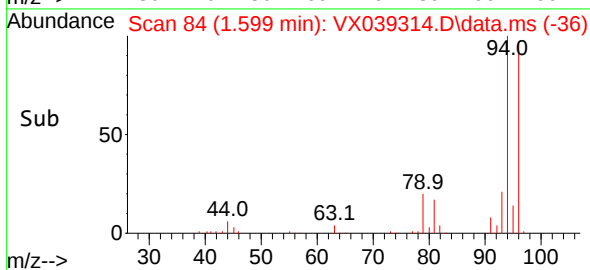
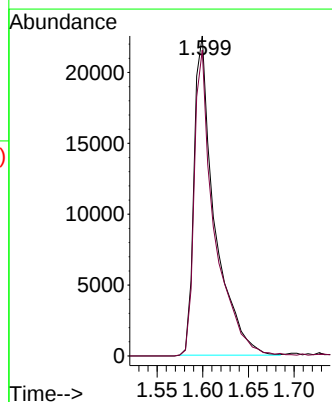
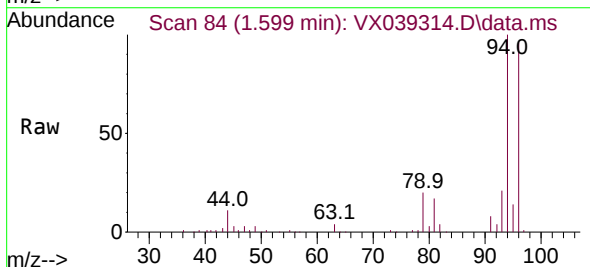
Instrument :
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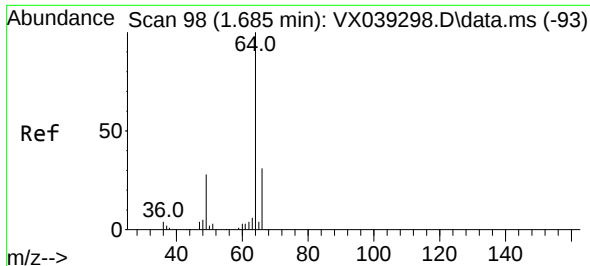
Tgt Ion: 62 Resp: 97189
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.3 41.3



#6
 Bromomethane
 Concen: 35.328 ug/L
 RT: 1.599 min Scan# 84
 Delta R.T. -0.006 min
 Lab File: VX039314.D
 Acq: 18 Dec 2023 16:13

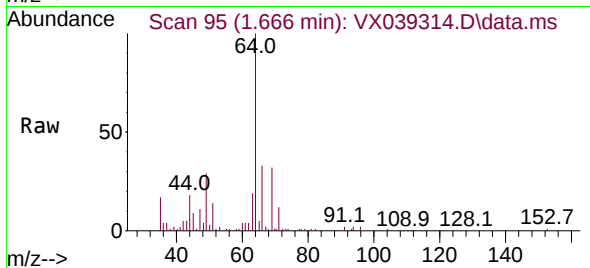
Tgt Ion: 94 Resp: 35201
 Ion Ratio Lower Upper
 94 100
 96 95.6 65.8 122.2



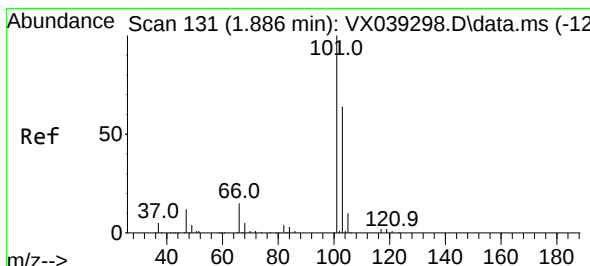
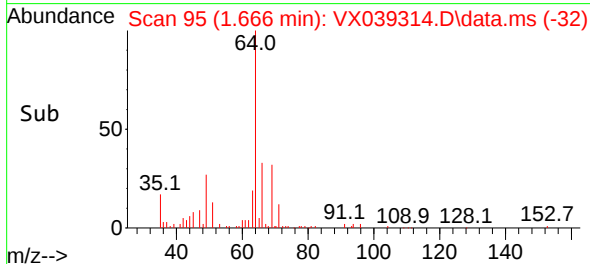
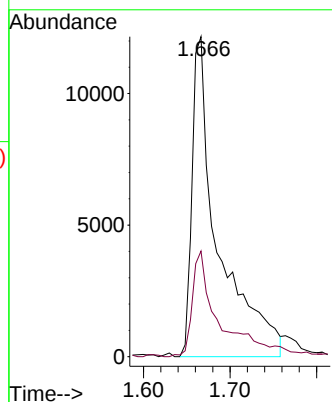


#8
Chloroethane
Concen: 24.289 ug/L
RT: 1.666 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Instrument :
MSVOA_X
ClientSampleId :

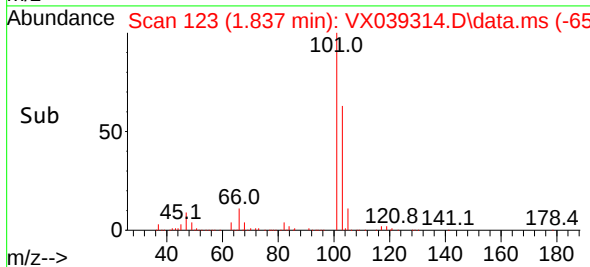
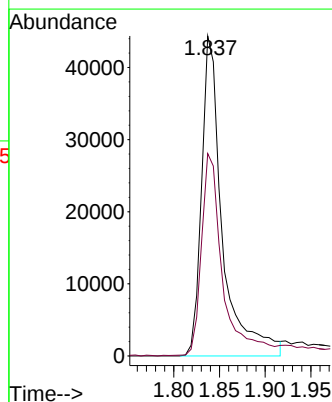
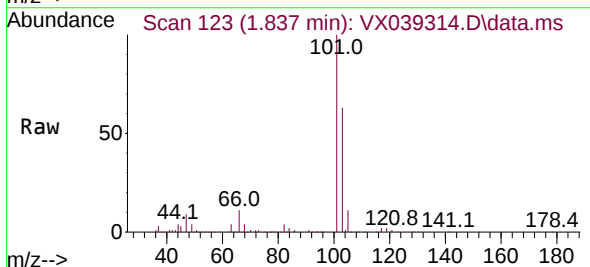


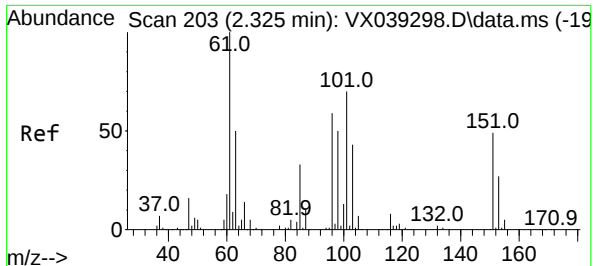
Tgt Ion: 64 Resp: 25349
Ion Ratio Lower Upper
64 100
66 33.0 23.4 43.6



#9
Trichlorofluoromethane
Concen: 29.428 ug/L
RT: 1.837 min Scan# 123
Delta R.T. -0.049 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion: 101 Resp: 70406
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.2





#10

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

Concen: 57.227 ug/L

RT: 2.300 min Scan# 199

Delta R.T. -0.024 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

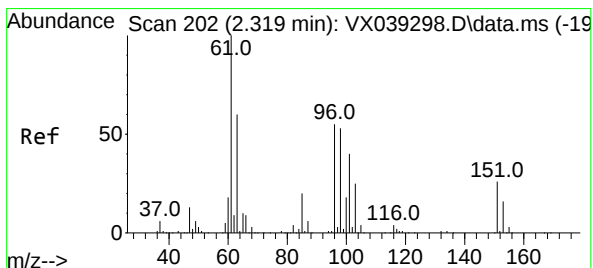
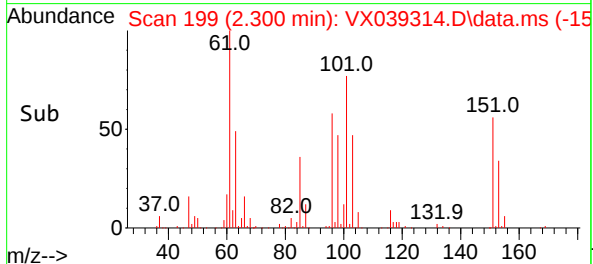
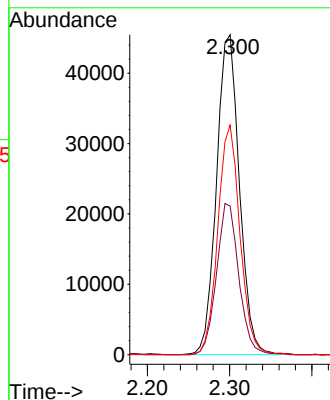
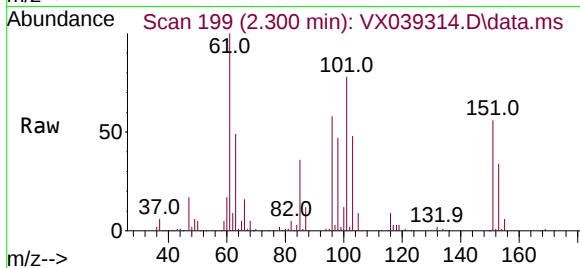
Tgt Ion:101 Resp: 88071

Ion Ratio Lower Upper

101 100

85 46.0 35.8 53.6

151 69.5 55.4 83.2



#12

1,1-Dichloroethene

Concen: 54.112 ug/L

RT: 2.294 min Scan# 198

Delta R.T. -0.024 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

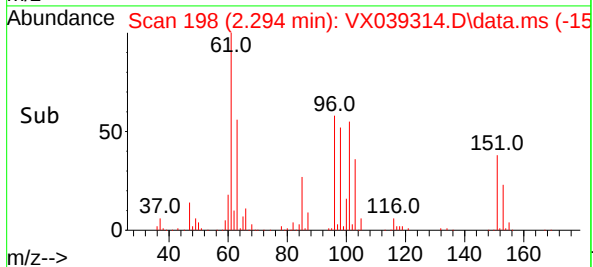
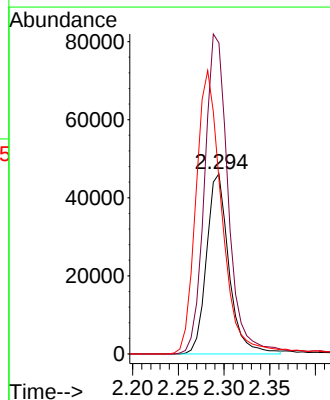
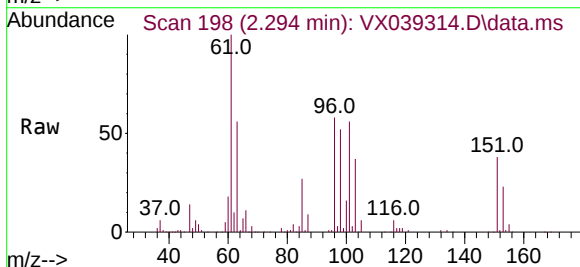
Tgt Ion: 96 Resp: 78333

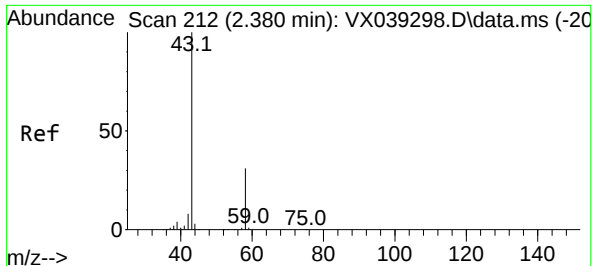
Ion Ratio Lower Upper

96 100

61 172.6 128.0 237.6

63 97.0 101.5 188.5#

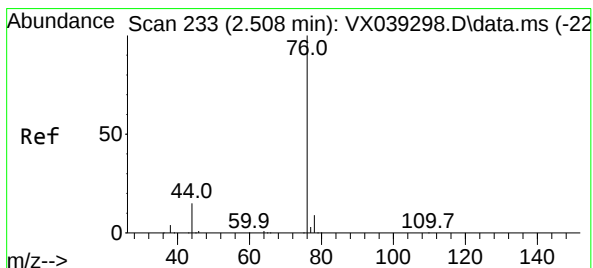
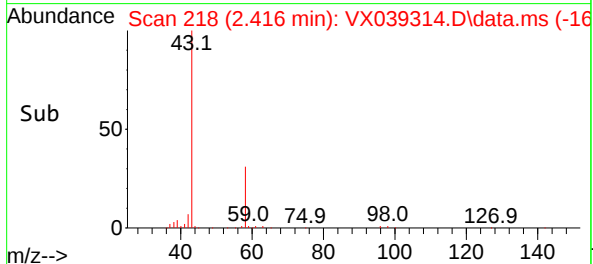
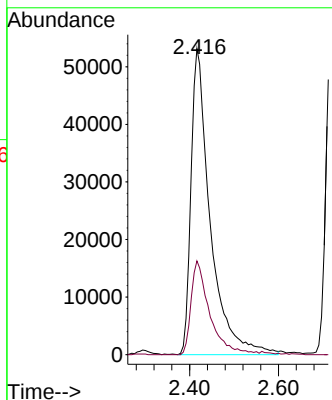
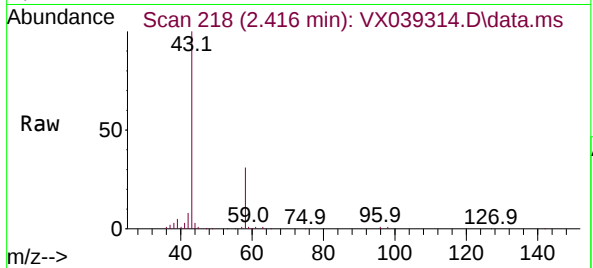




#13
Acetone
Concen: 104.094 ug/L
RT: 2.416 min Scan# 21
Delta R.T. 0.037 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

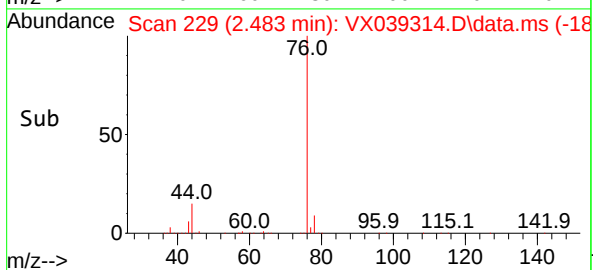
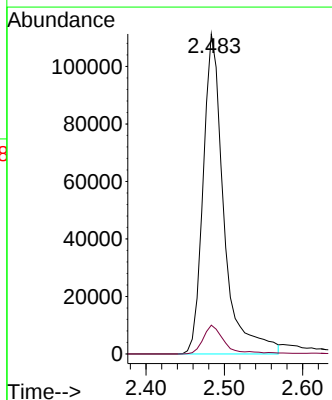
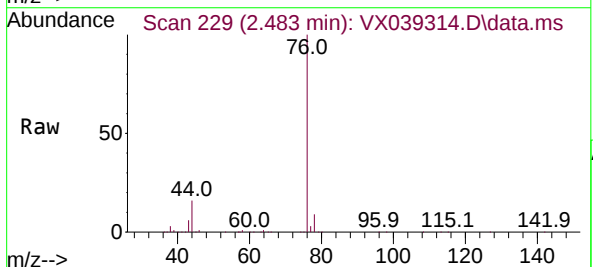
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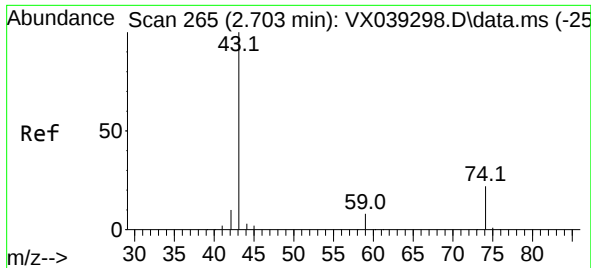
Tgt Ion: 43 Resp: 159541
Ion Ratio Lower Upper
43 100
58 29.6 0.0 65.8



#14
Carbon disulfide
Concen: 44.501 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.024 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion: 76 Resp: 204993
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

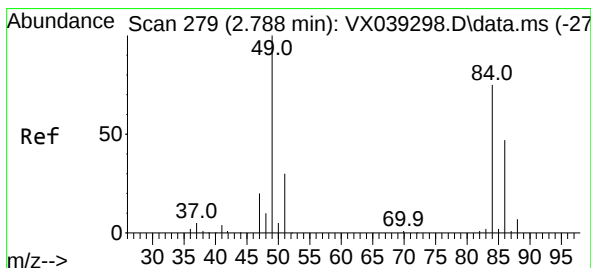
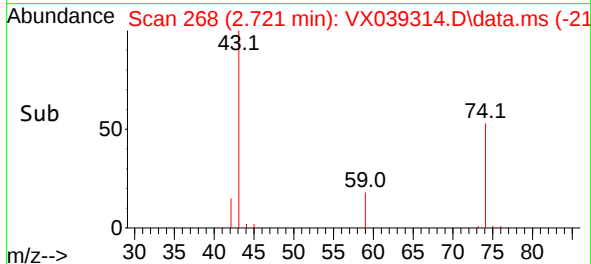
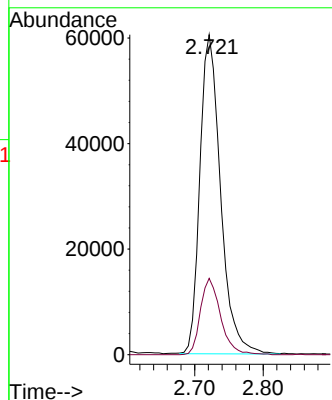
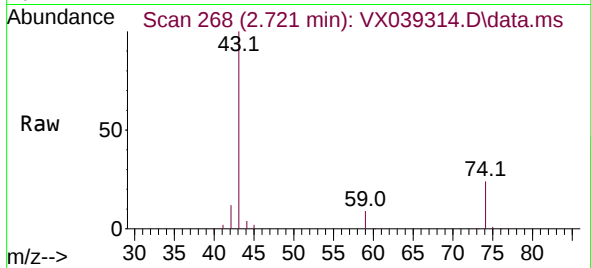




#15
Methyl Acetate
Concen: 58.093 ug/L
RT: 2.721 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

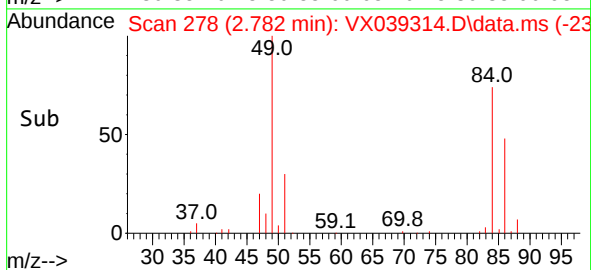
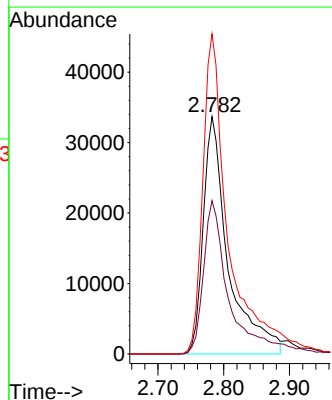
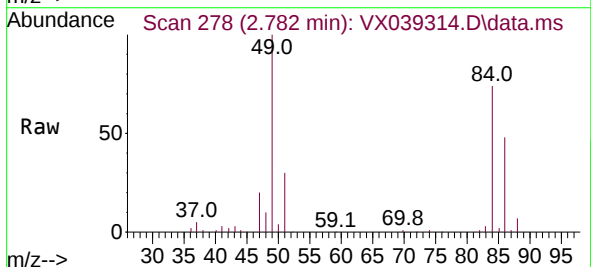
Instrument :
MSVOA_X
ClientSampleId :

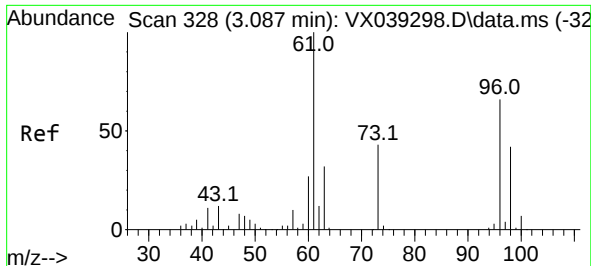
Tgt Ion: 43 Resp: 127264
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.4



#16
Methylene chloride
Concen: 53.579 ug/L
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion: 84 Resp: 89112
Ion Ratio Lower Upper
84 100
86 64.6 44.7 82.9
49 134.9 90.9 168.7





#17

trans-1,2-Dichloroethene

Concen: 55.637 ug/L

RT: 3.081 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

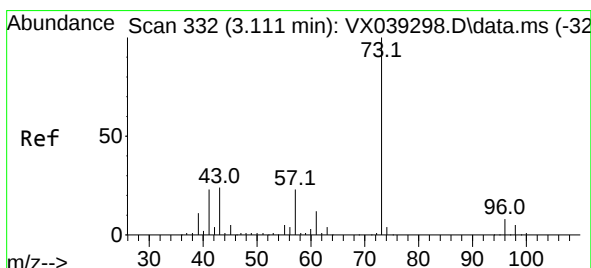
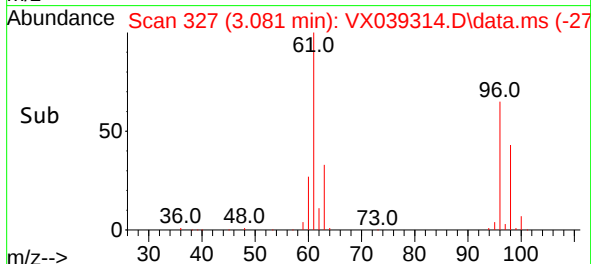
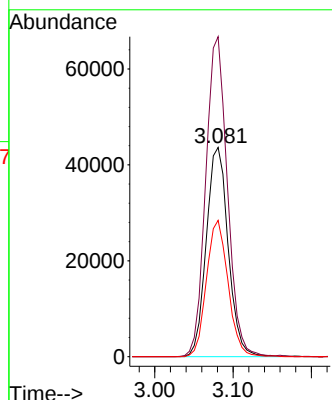
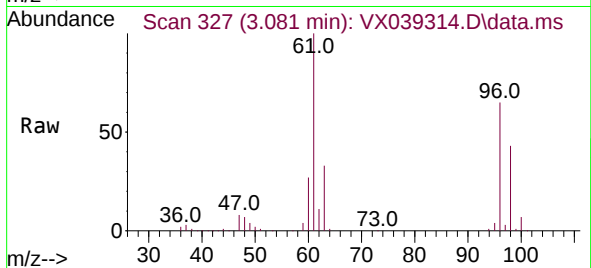
Tgt Ion: 96 Resp: 84860

Ion Ratio Lower Upper

96 100

61 153.0 99.8 185.3

98 65.2 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 59.715 ug/L

RT: 3.136 min Scan# 336

Delta R.T. 0.025 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

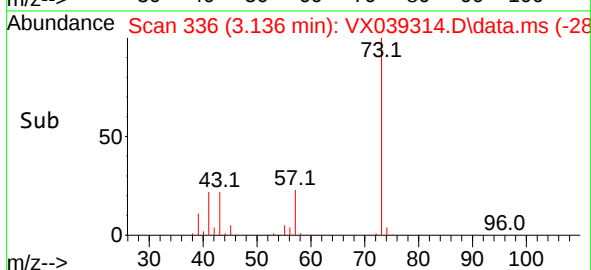
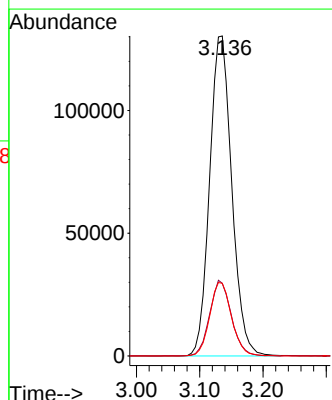
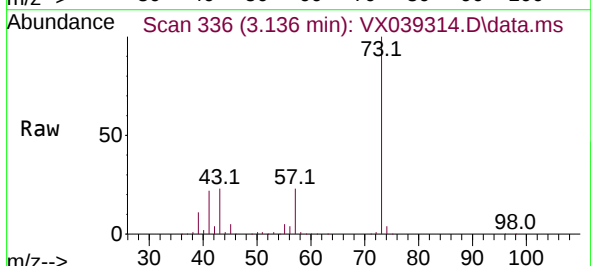
Tgt Ion: 73 Resp: 317032

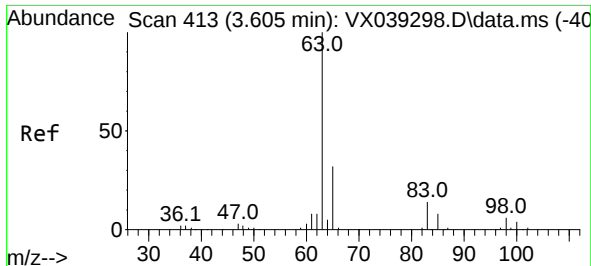
Ion Ratio Lower Upper

73 100

43 22.9 16.9 25.3

57 22.6 18.5 27.7





#19

1,1-Dichloroethane

Concen: 57.639 ug/L

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

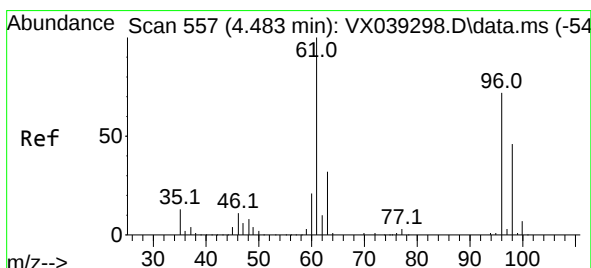
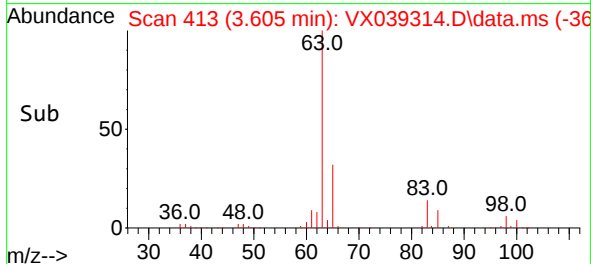
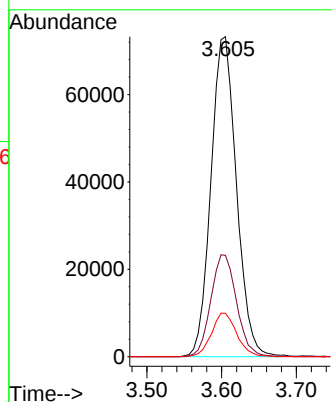
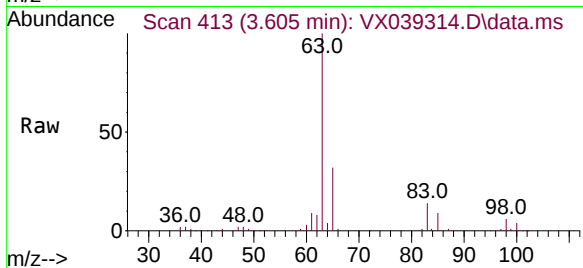
Tgt Ion: 63 Resp: 173831

Ion Ratio Lower Upper

63 100

65 31.6 21.1 39.3

83 13.6 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 55.318 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

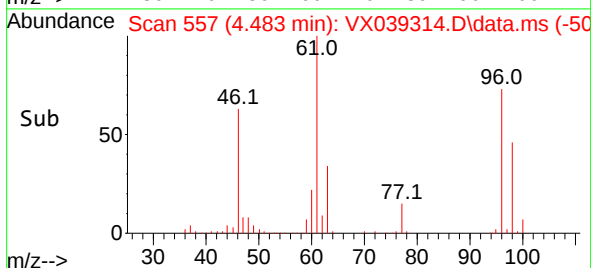
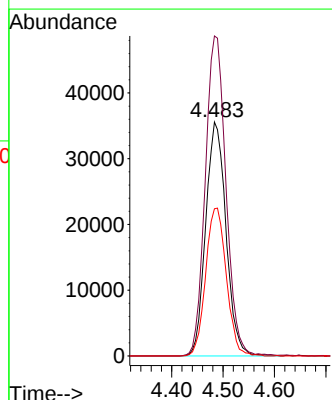
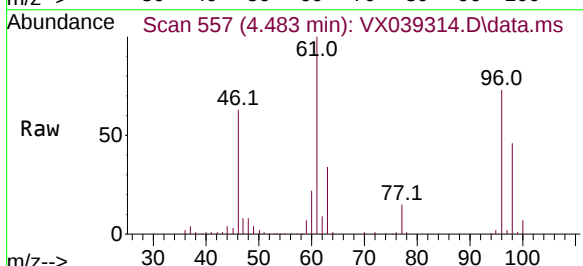
Tgt Ion: 96 Resp: 97864

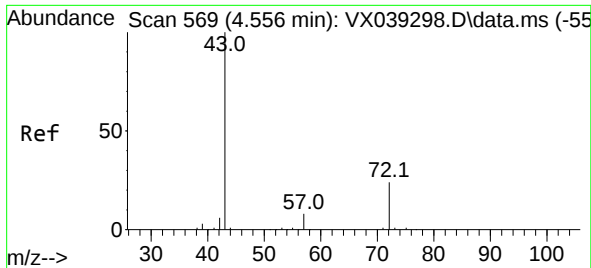
Ion Ratio Lower Upper

96 100

61 136.7 91.7 170.3

98 62.9 44.2 82.2

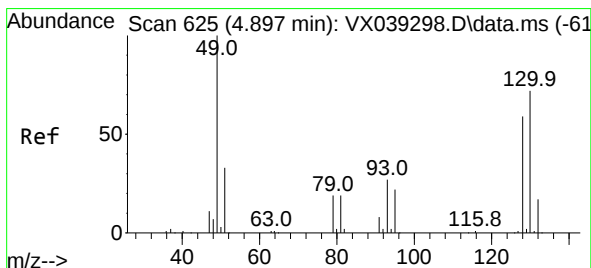
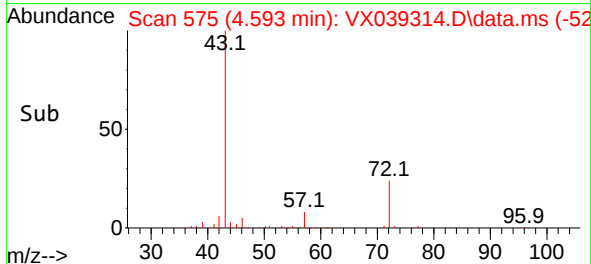
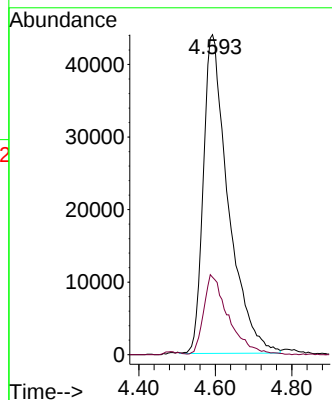
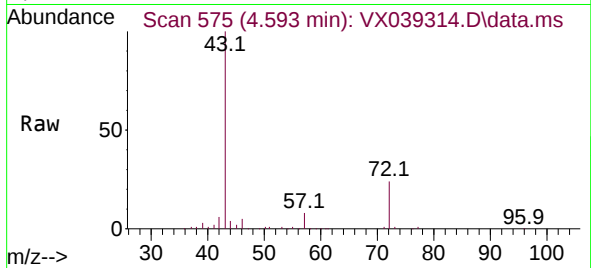




#22
2-Butanone
Concen: 105.754 ug/L
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

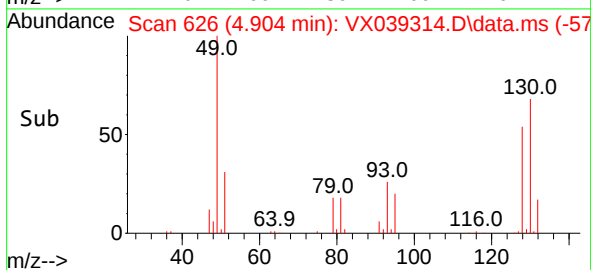
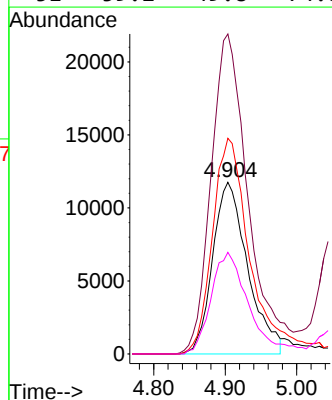
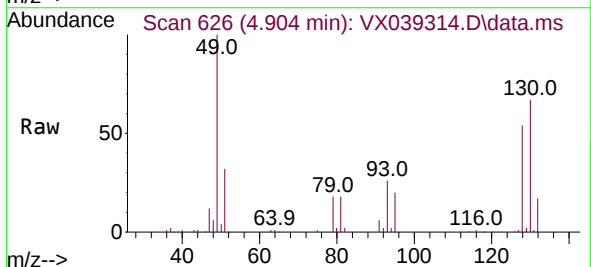
Instrument :
MSVOA_X
ClientSampleId :

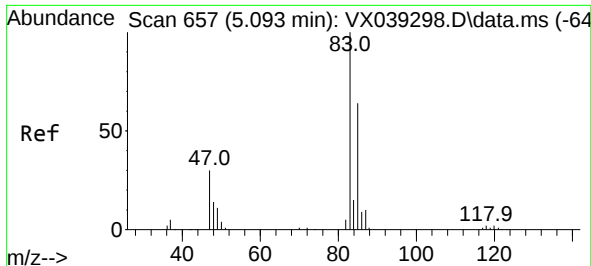
Tgt Ion: 43 Resp: 198920
Ion Ratio Lower Upper
43 100
72 24.3 12.6 37.6



#23
Bromochloromethane
Concen: 48.220 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion:128 Resp: 40101
Ion Ratio Lower Upper
128 100
49 186.4 130.8 243.0
130 125.6 90.6 168.3
51 59.2 49.8 74.8





#25

Chloroform

Concen: 58.005 ug/L

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

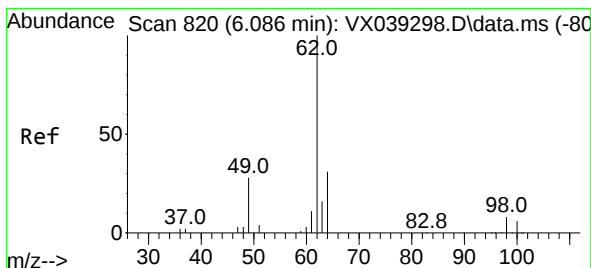
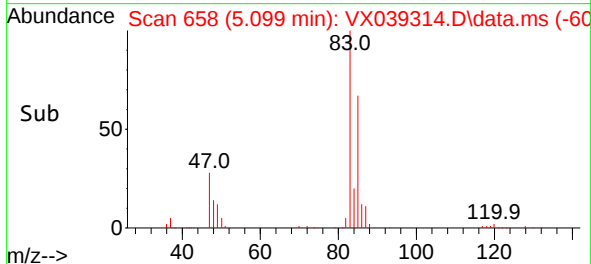
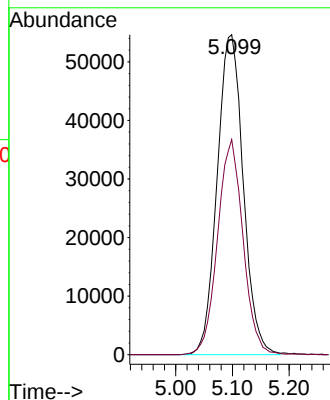
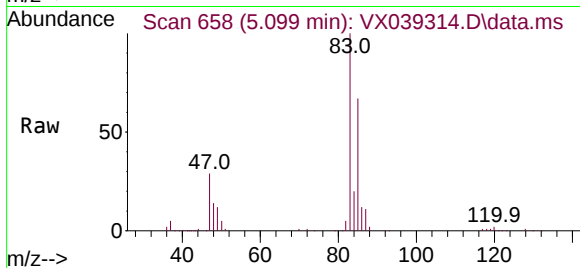
ClientSampleId :

Tgt Ion: 83 Resp: 174485

Ion Ratio Lower Upper

83 100

85 67.2 45.1 83.7



#27

1,2-Dichloroethane

Concen: 62.183 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX039314.D

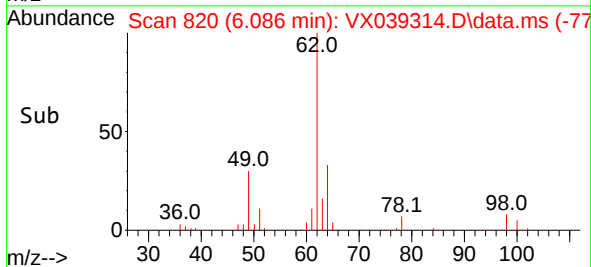
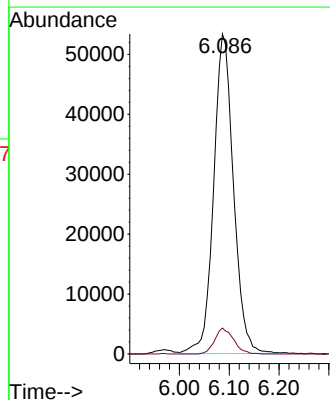
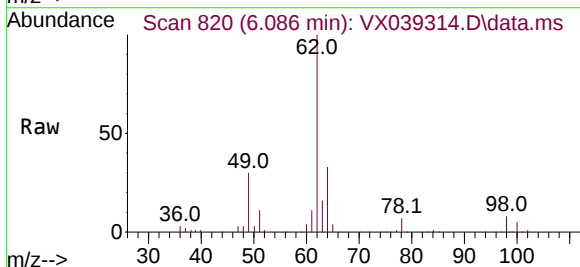
Acq: 18 Dec 2023 16:13

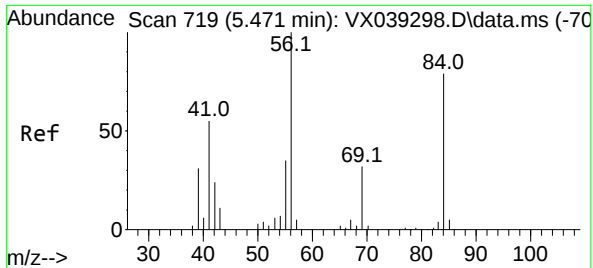
Tgt Ion: 62 Resp: 147632

Ion Ratio Lower Upper

62 100

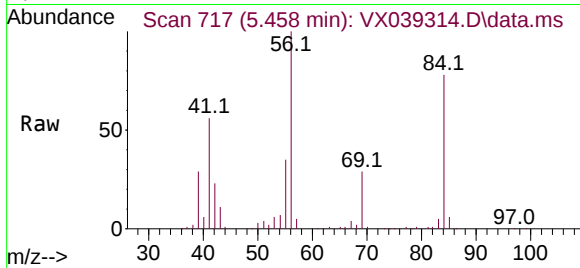
98 8.1 8.0 12.0



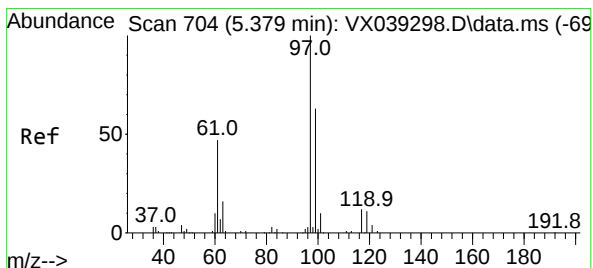
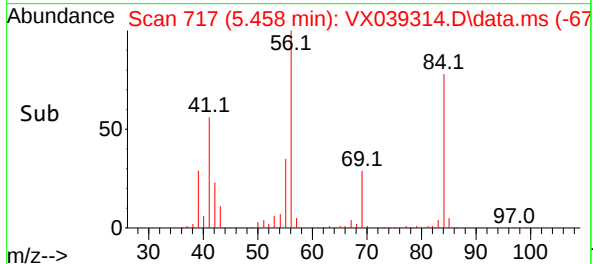
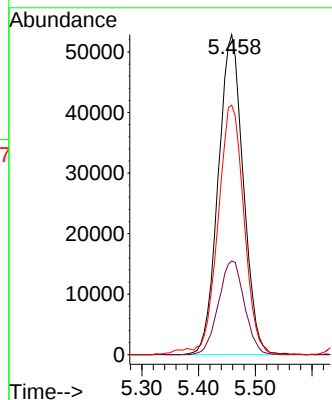


#29
Cyclohexane
Concen: 55.929 ug/L
RT: 5.458 min Scan# 719
Delta R.T. -0.012 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Instrument :
MSVOA_X
ClientSampleId :

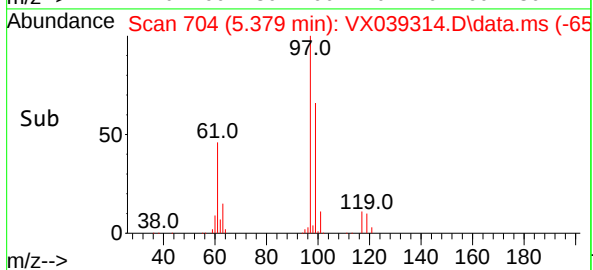
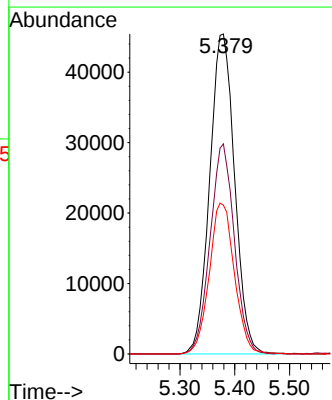
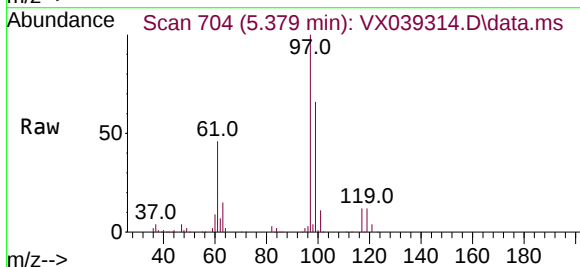


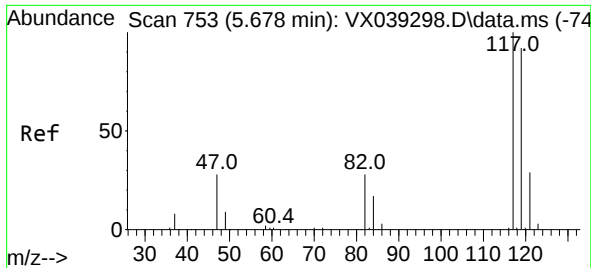
Tgt Ion: 56 Resp: 161880
Ion Ratio Lower Upper
56 100
69 30.4 24.5 36.7
84 80.3 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 57.071 ug/L
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion: 97 Resp: 143274
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 47.5 36.7 55.1

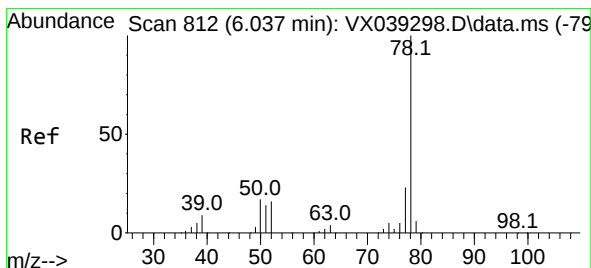
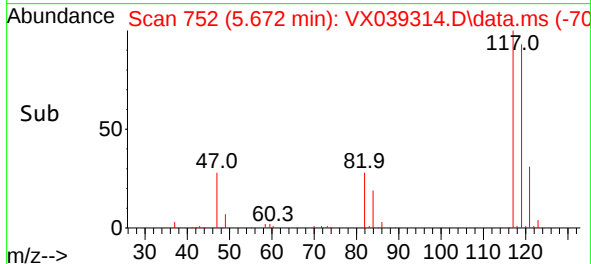
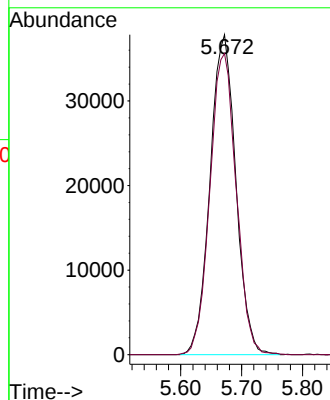
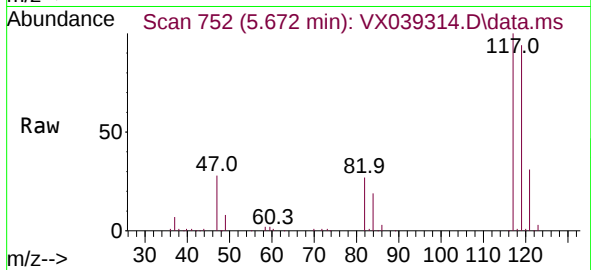




#31
Carbon tetrachloride
Concen: 53.137 ug/L
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

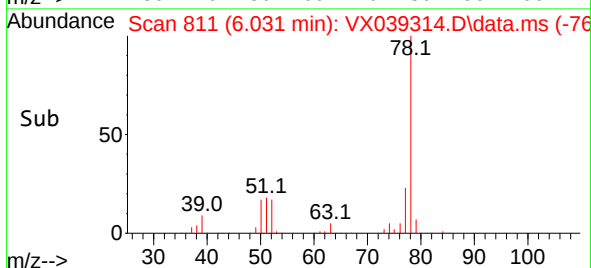
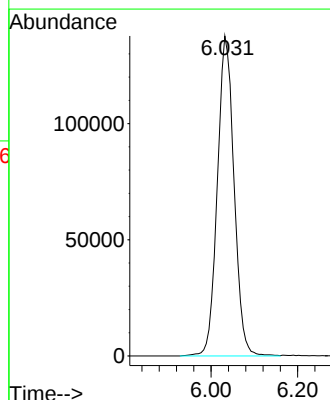
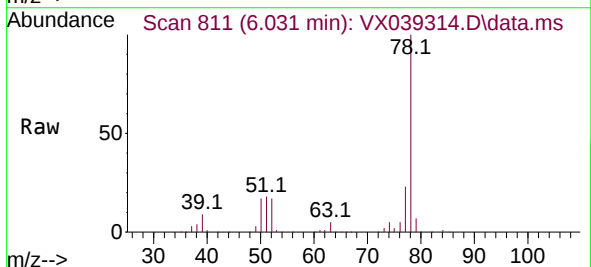
Instrument :
MSVOA_X
ClientSampleId :

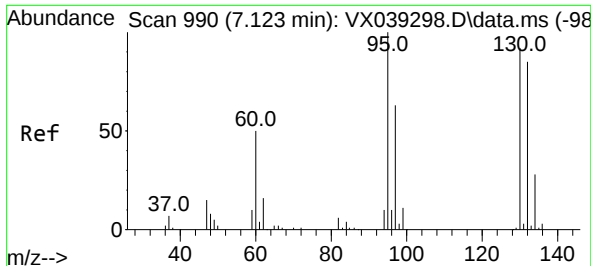
Tgt Ion:117 Resp: 111295
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.4



#33
Benzene
Concen: 56.207 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

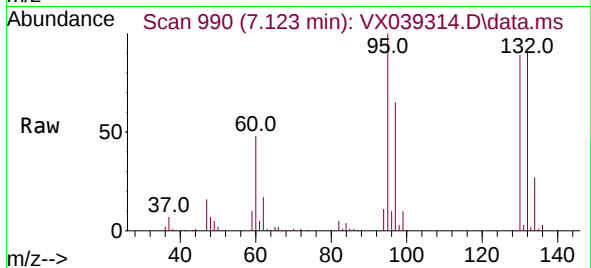
Tgt Ion: 78 Resp: 369577





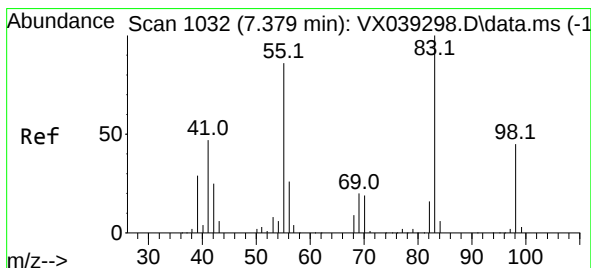
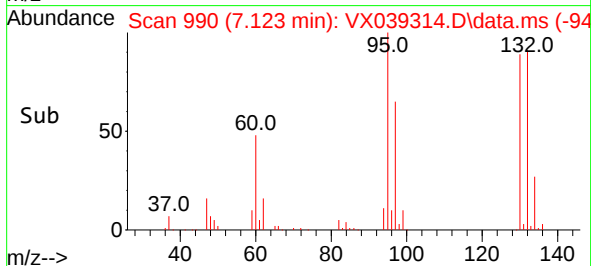
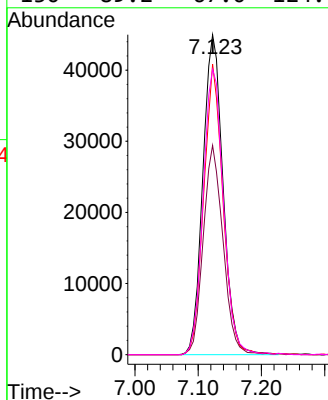
#34
Trichloroethene
Concen: 57.398 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 95 Resp: 99740

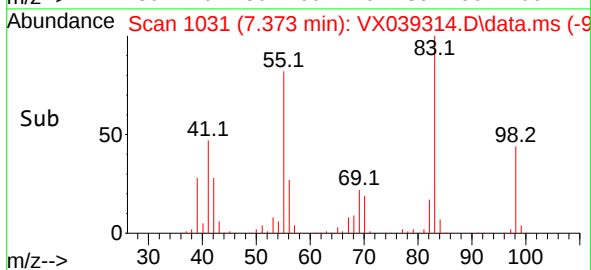
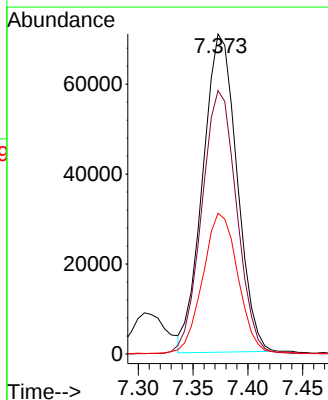
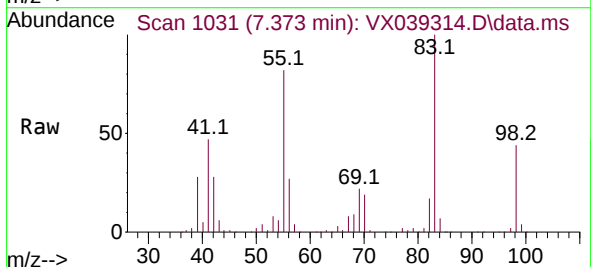
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.5	84.5
132	90.8	62.2	115.4
130	89.2	67.0	124.4

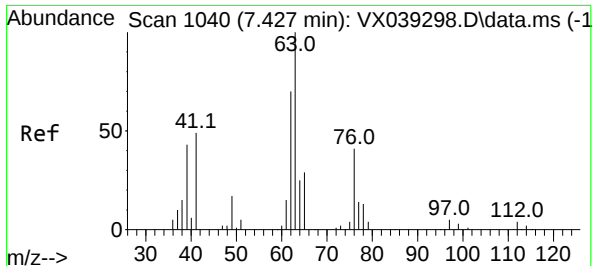


#35
Methylcyclohexane
Concen: 53.072 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion: 83 Resp: 153595

Ion	Ratio	Lower	Upper
83	100		
55	84.5	62.5	93.7
98	45.9	36.1	54.1





#37

1,2-Dichloropropane

Concen: 55.331 ug/L

RT: 7.428 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

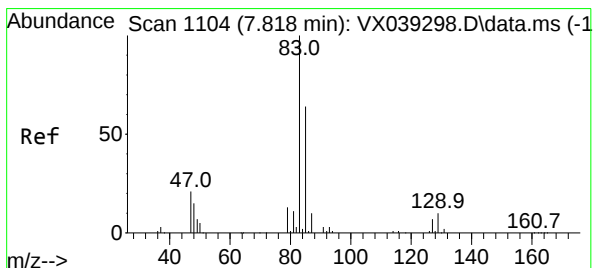
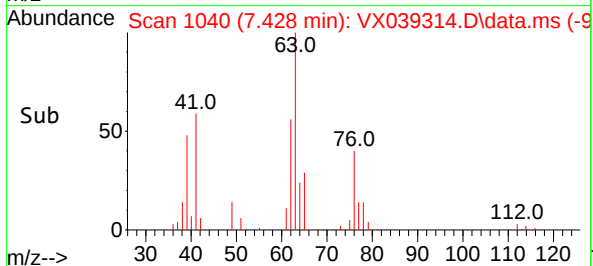
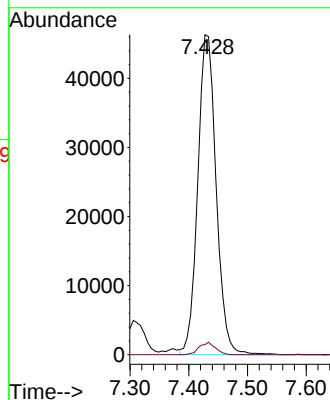
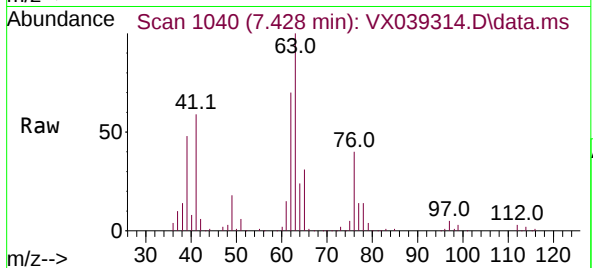
ClientSampleId :

Tgt Ion: 63 Resp: 100901

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 53.600 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

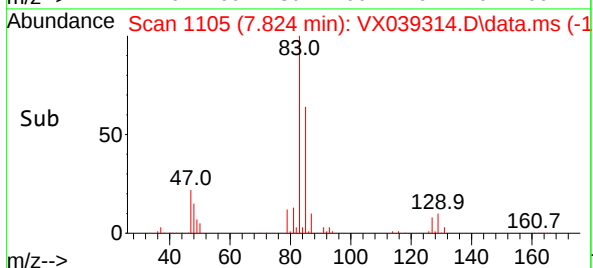
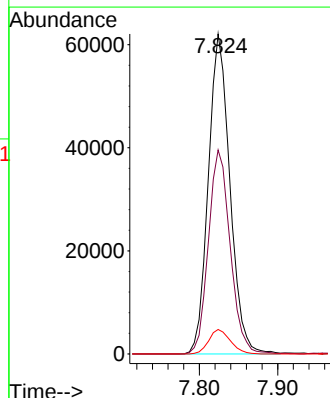
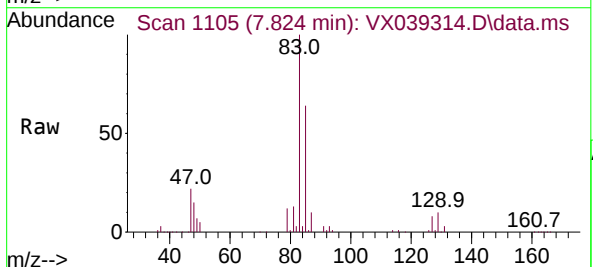
Tgt Ion: 83 Resp: 118885

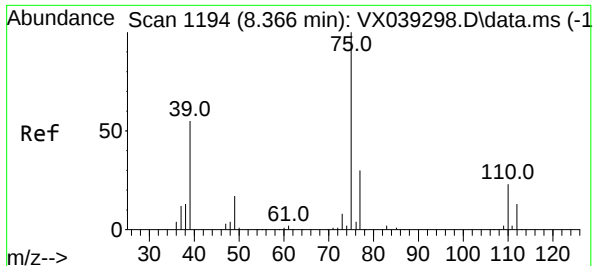
Ion Ratio Lower Upper

83 100

85 63.7 43.3 80.5

127 7.7 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 53.651 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

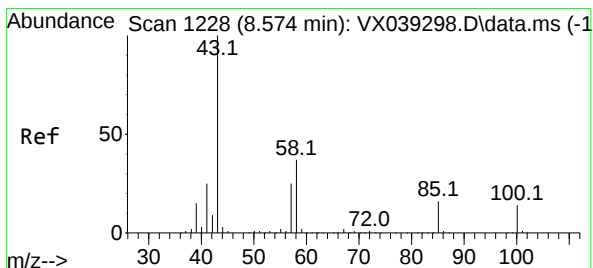
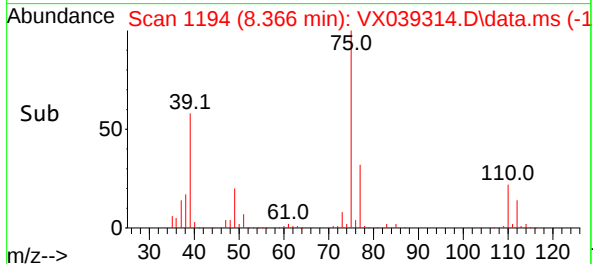
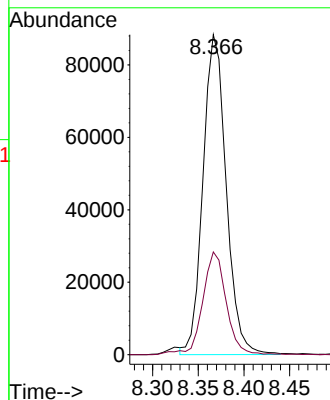
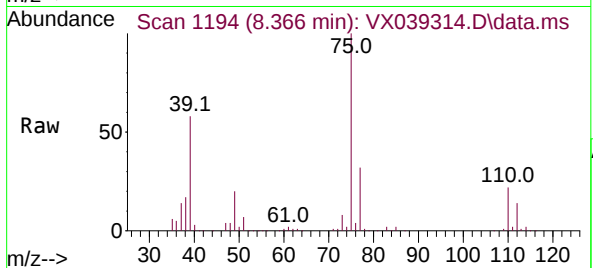
ClientSampleId :

Tgt Ion: 75 Resp: 156043

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 113.130 ug/L

RT: 8.586 min Scan# 1230

Delta R.T. 0.012 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

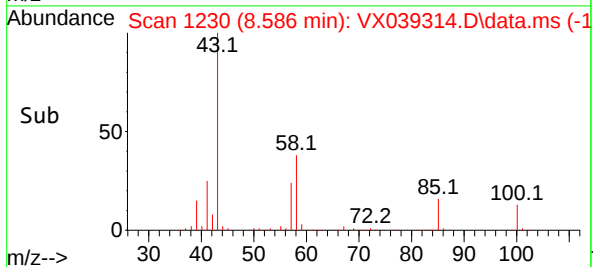
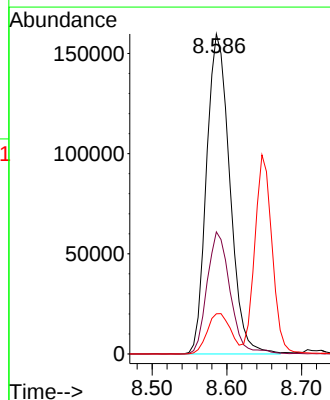
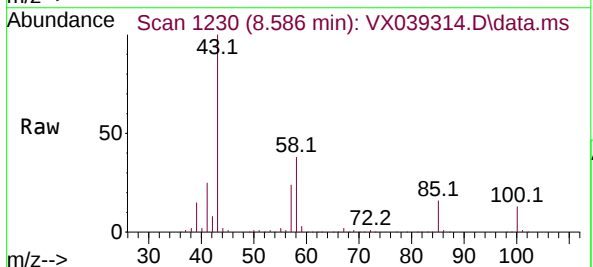
Tgt Ion: 43 Resp: 345756

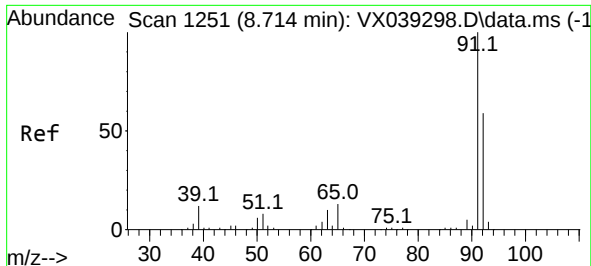
Ion Ratio Lower Upper

43 100

58 37.8 30.9 46.3

100 12.7 10.6 16.0





#42

Toluene

Concen: 54.233 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

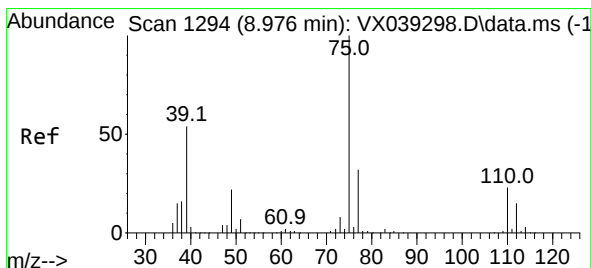
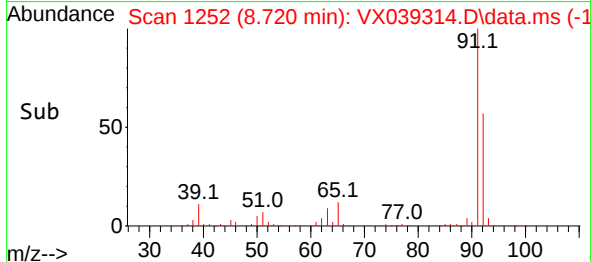
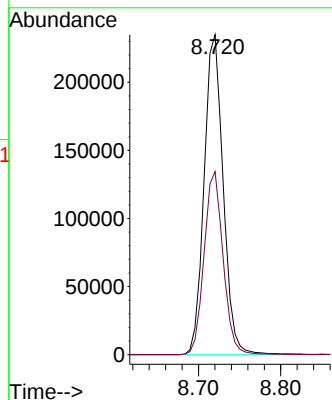
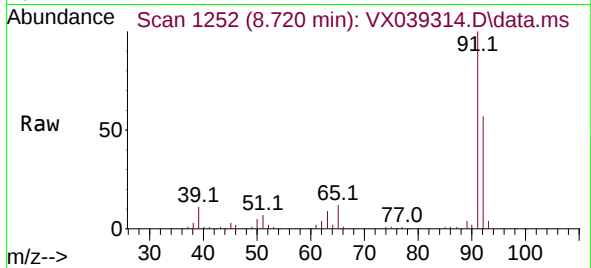
ClientSampleId :

Tgt Ion: 91 Resp: 378149

Ion Ratio Lower Upper

91 100

92 57.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 54.283 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX039314.D

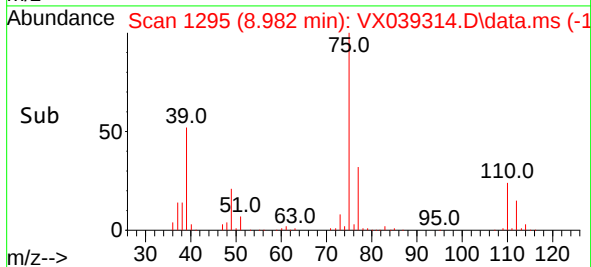
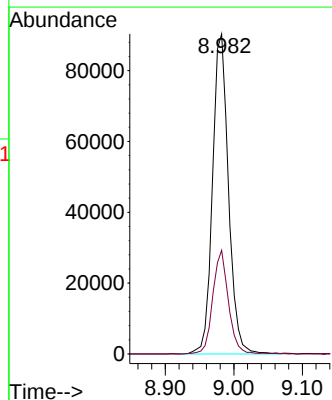
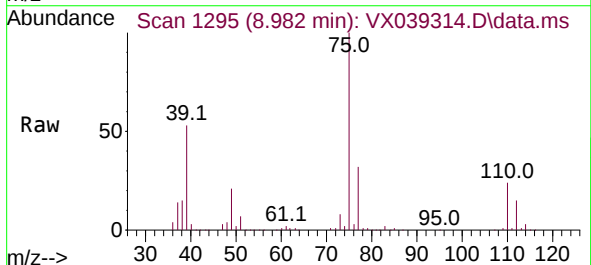
Acq: 18 Dec 2023 16:13

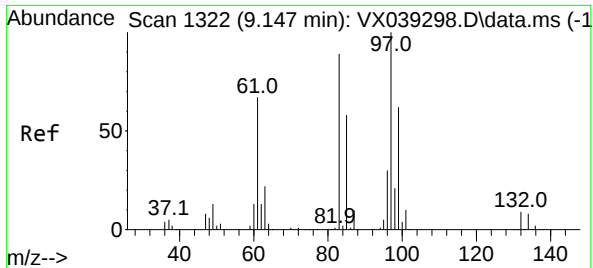
Tgt Ion: 75 Resp: 146512

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 54.958 ug/L

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 91845

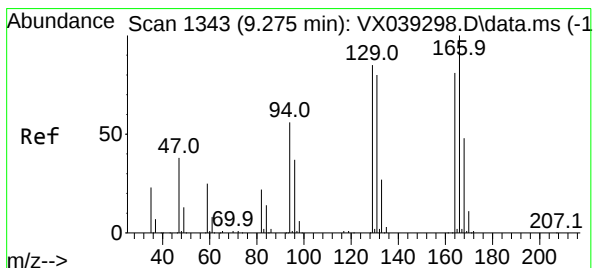
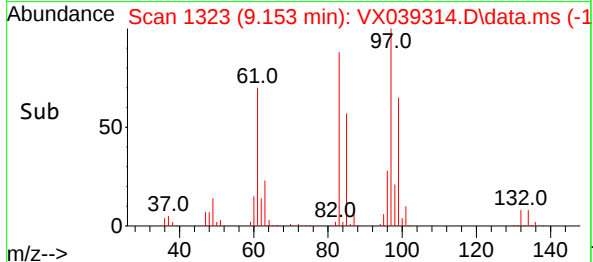
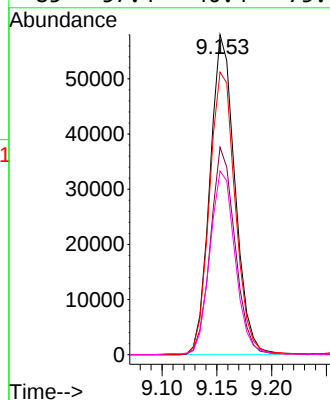
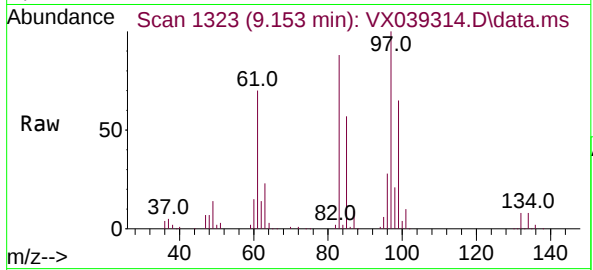
Ion Ratio Lower Upper

97 100

99 64.8 43.1 80.1

83 88.3 64.0 118.8

85 57.4 40.4 75.0



#46

Tetrachloroethene

Concen: 54.012 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Tgt Ion:164 Resp: 61914

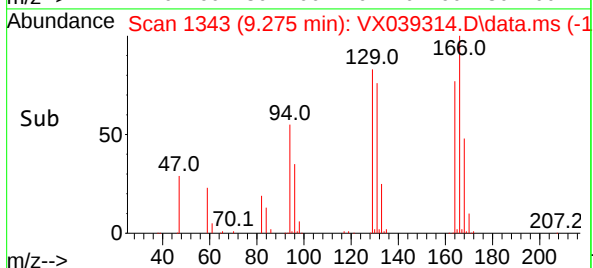
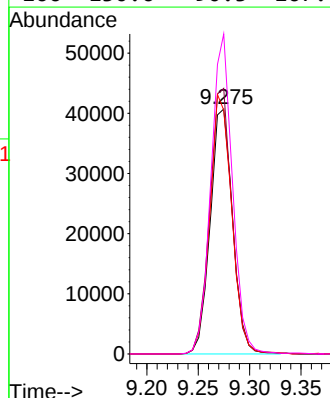
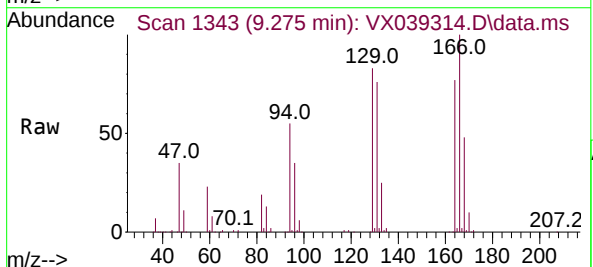
Ion Ratio Lower Upper

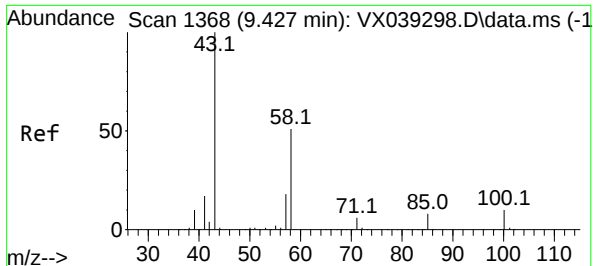
164 100

129 108.4 71.9 133.5

131 99.5 69.5 129.1

166 130.6 90.3 167.7





#48

2-Hexanone

Concen: 109.685 ug/L

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

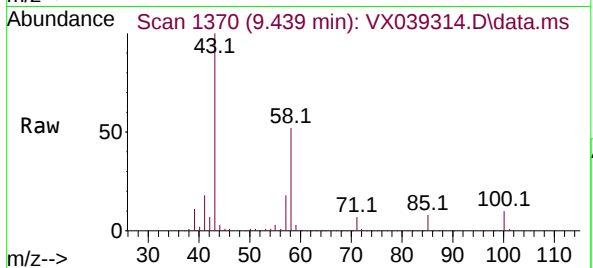
Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 280575

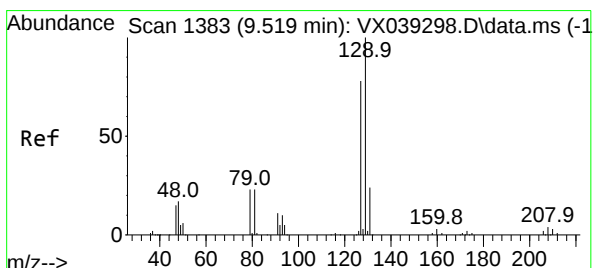
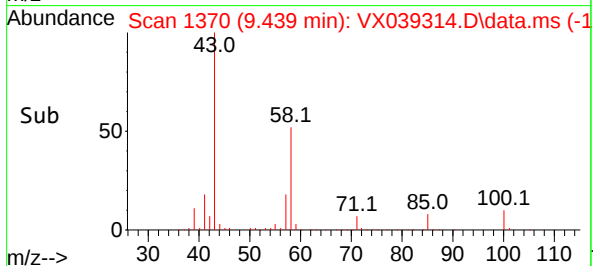
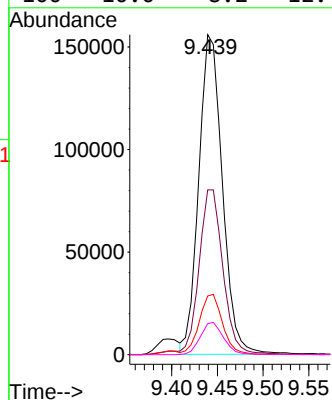
Ion Ratio Lower Upper

43 100

58 52.1 43.0 64.6

57 18.6 14.6 21.8

100 10.0 8.2 12.4



#49

Dibromochloromethane

Concen: 51.266 ug/L

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX039314.D

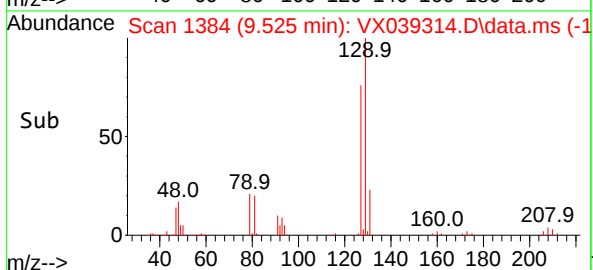
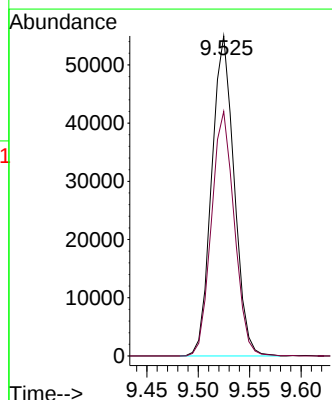
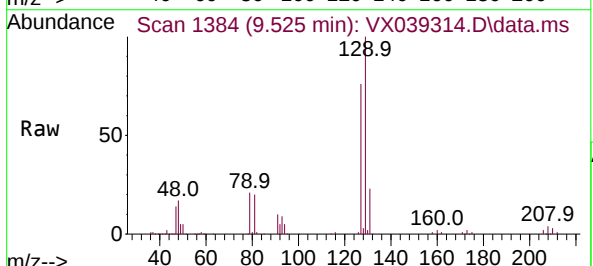
Acq: 18 Dec 2023 16:13

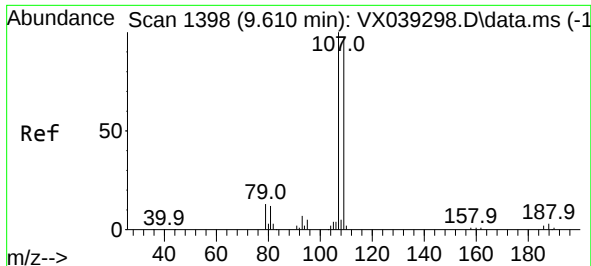
Tgt Ion: 129 Resp: 83466

Ion Ratio Lower Upper

129 100

127 76.4 55.2 102.4

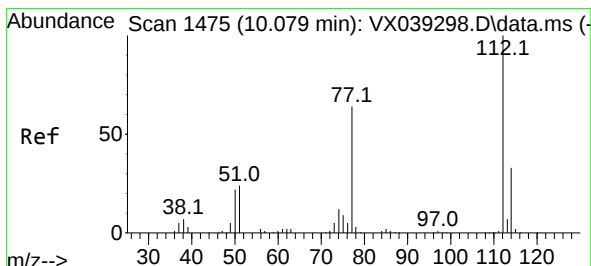
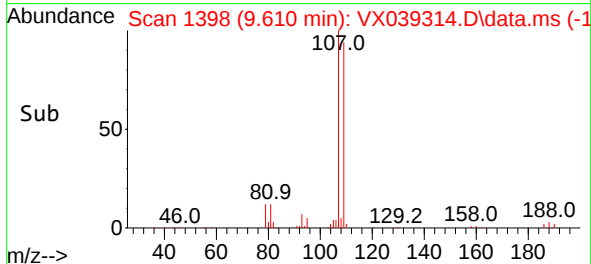
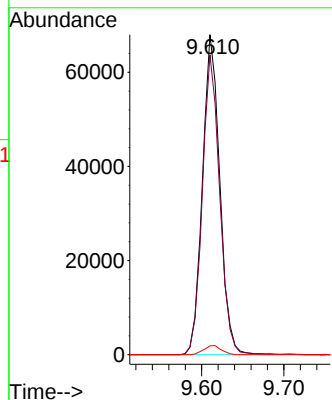
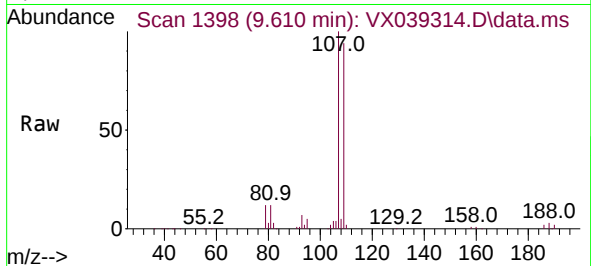




#50
1,2-Dibromoethane
Concen: 55.626 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

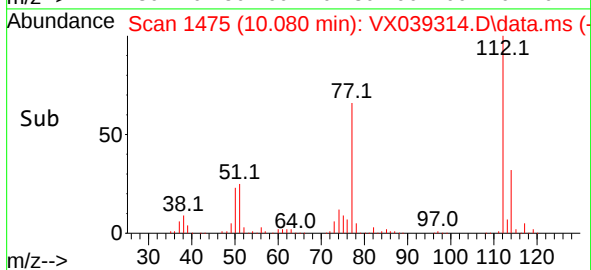
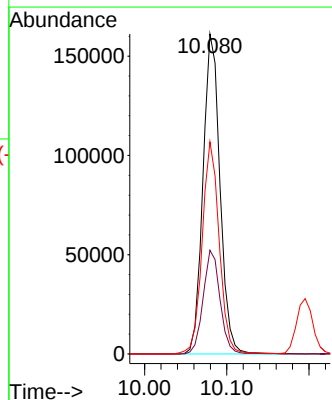
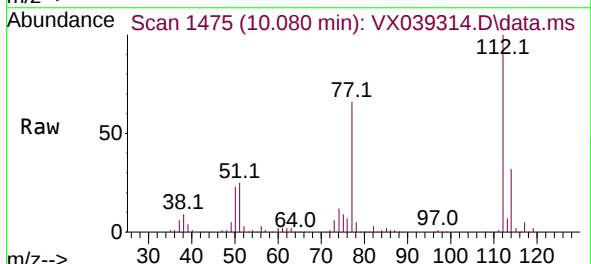
Instrument :
MSVOA_X
ClientSampleId :

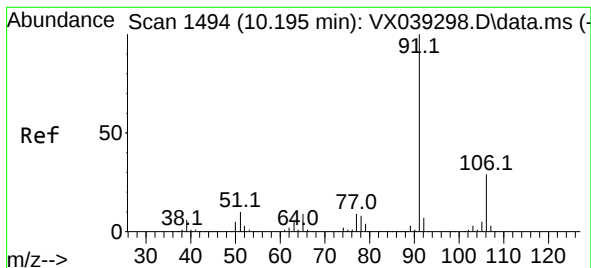
Tgt Ion:107 Resp: 99592
Ion Ratio Lower Upper
107 100
109 93.6 65.2 121.0
188 2.8 2.5 3.7



#51
Chlorobenzene
Concen: 53.799 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion:112 Resp: 231709
Ion Ratio Lower Upper
112 100
114 32.4 21.8 40.4
77 66.3 49.0 73.6

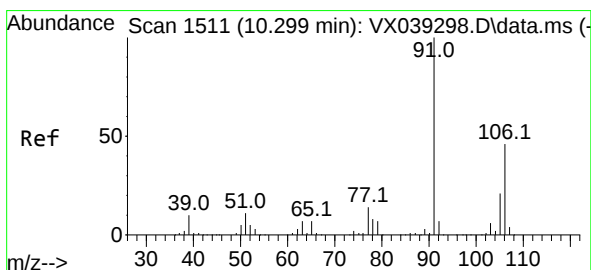
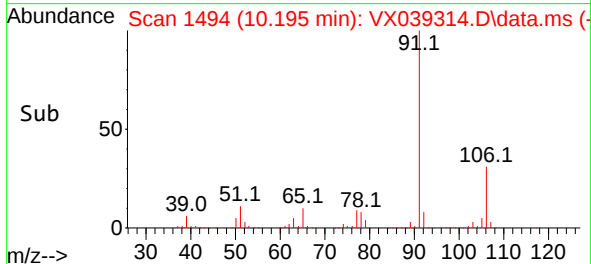
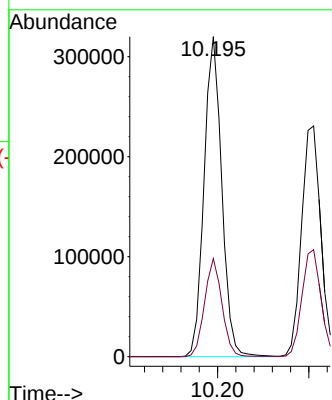
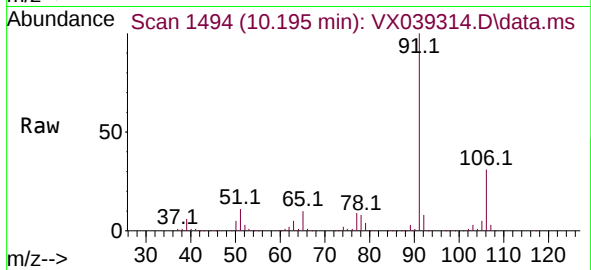




#52
Ethylbenzene
Concen: 55.047 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

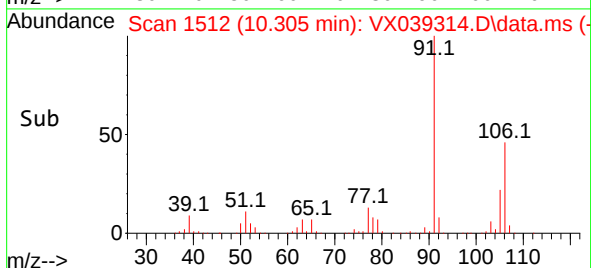
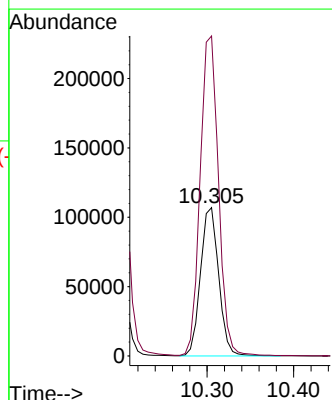
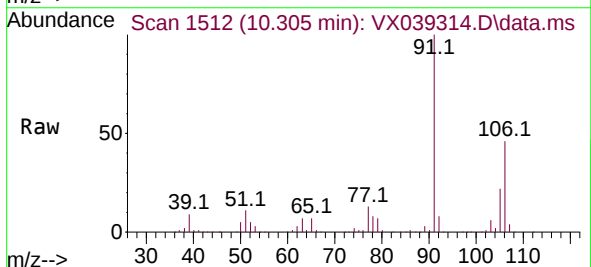
Instrument :
MSVOA_X
ClientSampleId :

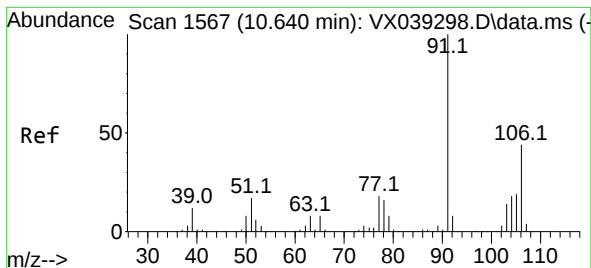
Tgt Ion: 91 Resp: 429095
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 53.616 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion:106 Resp: 156264
Ion Ratio Lower Upper
106 100
91 215.7 149.0 276.8





#54

o-Xylene

Concen: 54.250 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

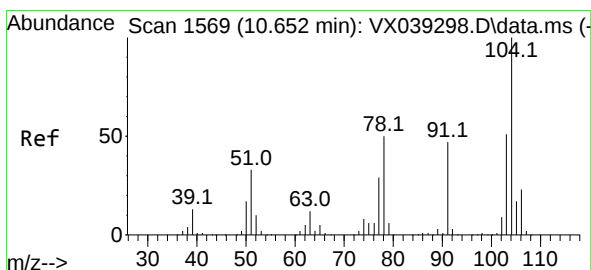
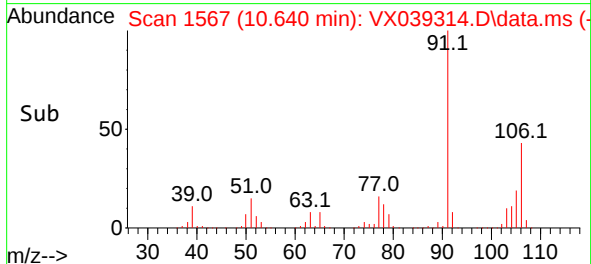
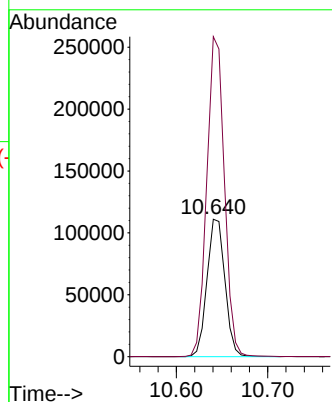
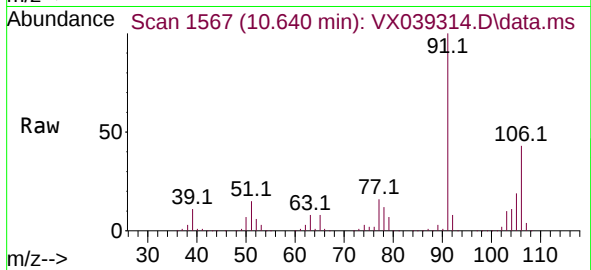
ClientSampleId :

Tgt Ion:106 Resp: 151717

Ion Ratio Lower Upper

106 100

91 232.9 156.2 290.0



#55

Styrene

Concen: 54.869 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX039314.D

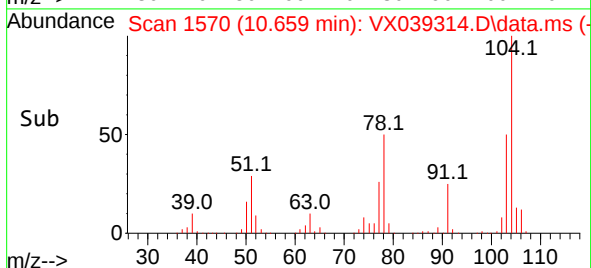
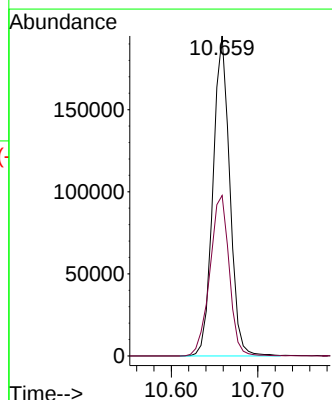
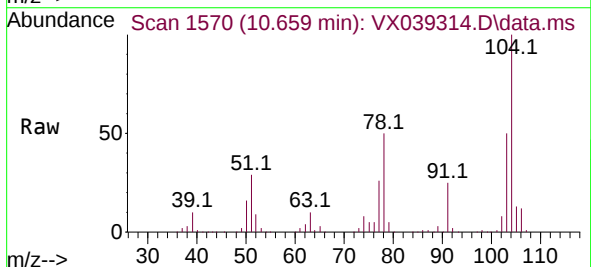
Acq: 18 Dec 2023 16:13

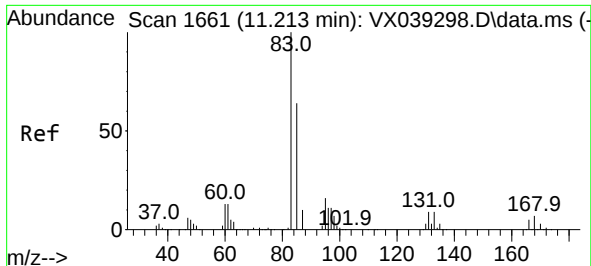
Tgt Ion:104 Resp: 262553

Ion Ratio Lower Upper

104 100

78 50.2 33.5 62.1

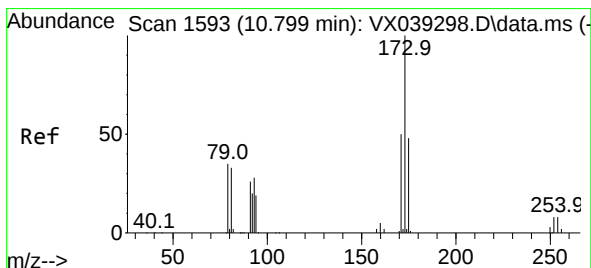
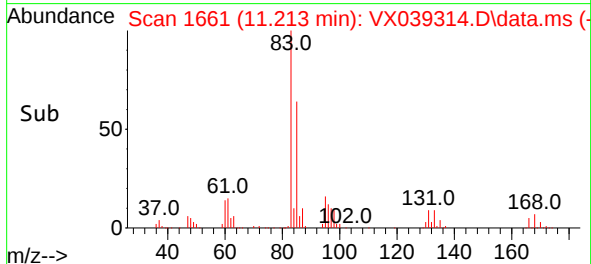
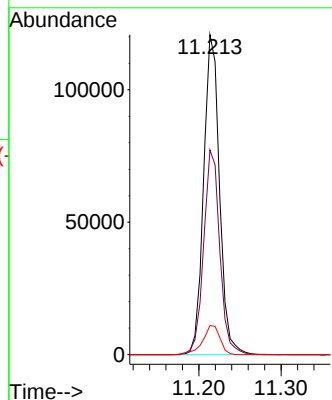
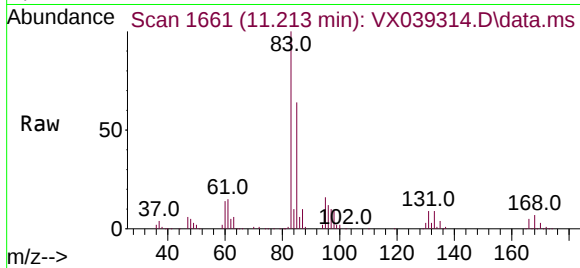




#57
1,1,2,2-Tetrachloroethane
Concen: 55.482 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

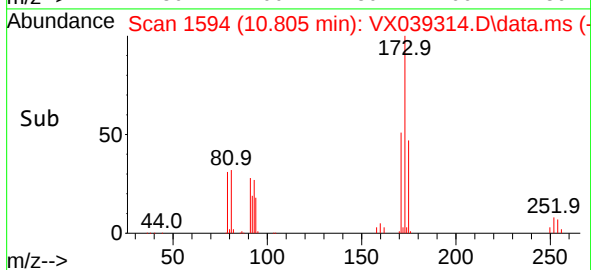
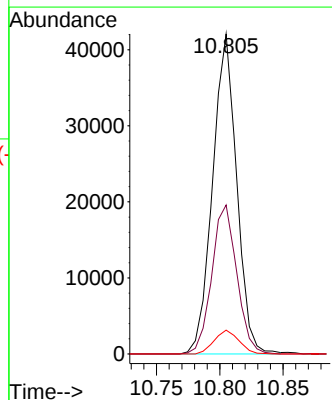
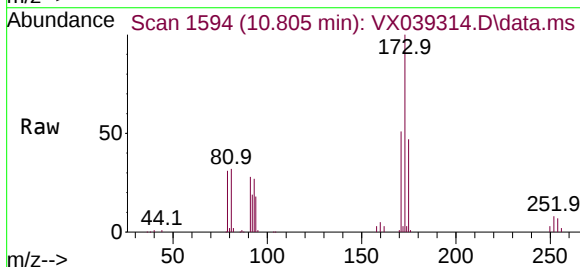
Instrument :
MSVOA_X
ClientSampleId :

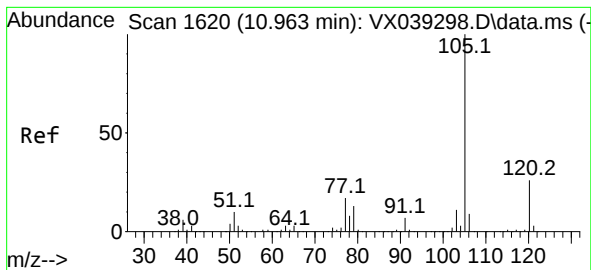
Tgt Ion: 83 Resp: 161817
Ion Ratio Lower Upper
83 100
85 63.9 45.2 84.0
131 9.1 7.2 10.8



#59
Bromoform
Concen: 44.691 ug/L
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX039314.D
Acq: 18 Dec 2023 16:13

Tgt Ion: 173 Resp: 55620
Ion Ratio Lower Upper
173 100
175 48.3 38.7 58.1
254 7.7 6.2 9.2





#60

Isopropylbenzene

Concen: 53.487 ug/L

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

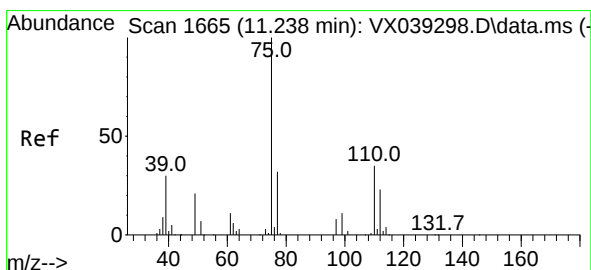
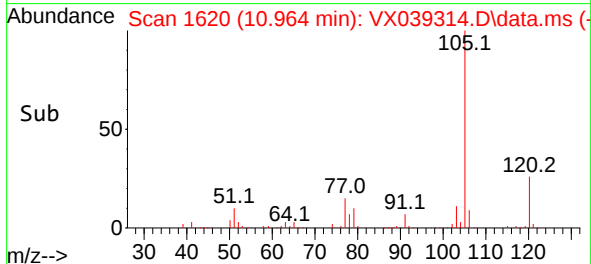
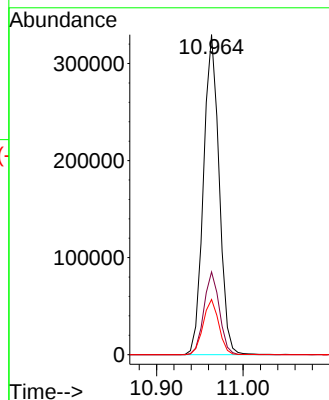
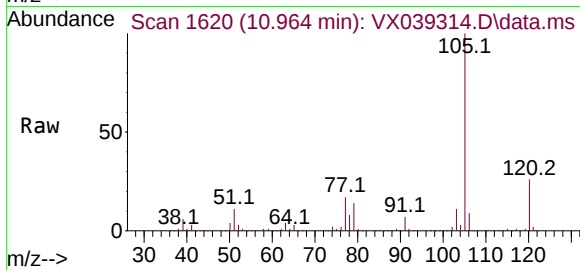
Tgt Ion:105 Resp: 413873

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

77 17.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 56.032 ug/L

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

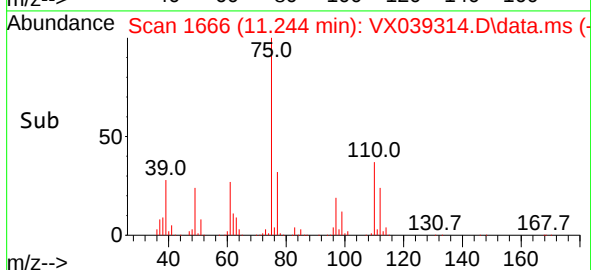
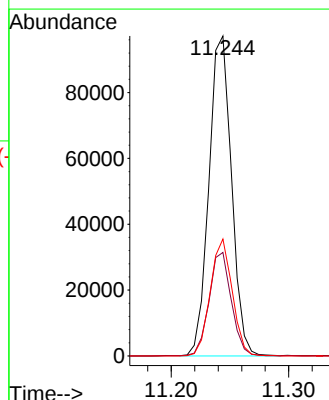
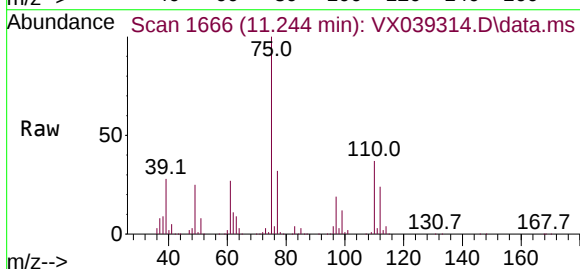
Tgt Ion: 75 Resp: 129980

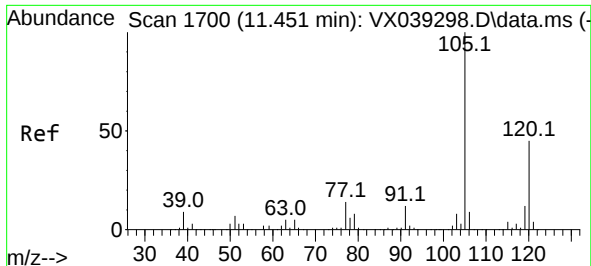
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

110 35.4 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 54.335 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

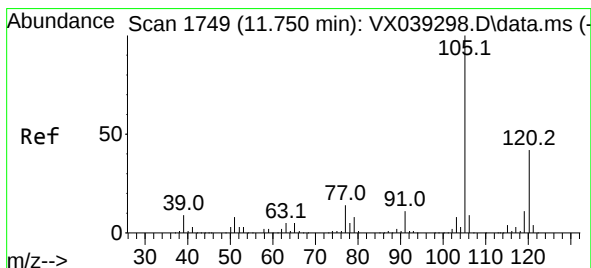
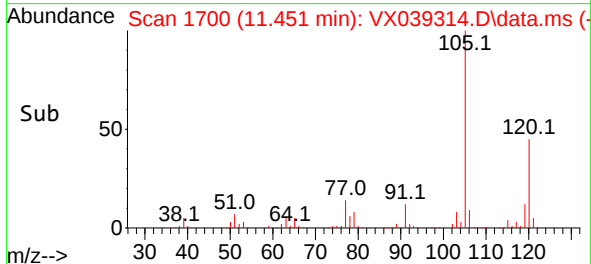
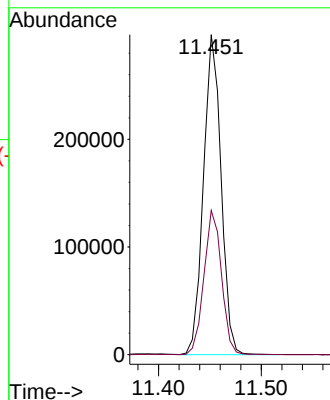
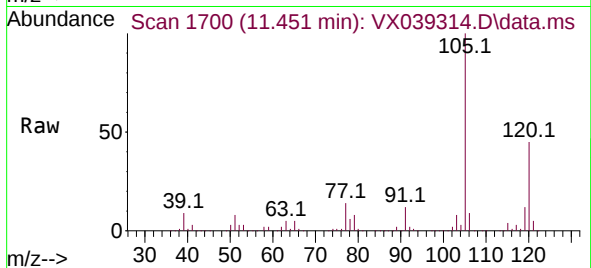
ClientSampleId :

Tgt Ion:105 Resp: 354954

Ion Ratio Lower Upper

105 100

120 44.9 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 55.076 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039314.D

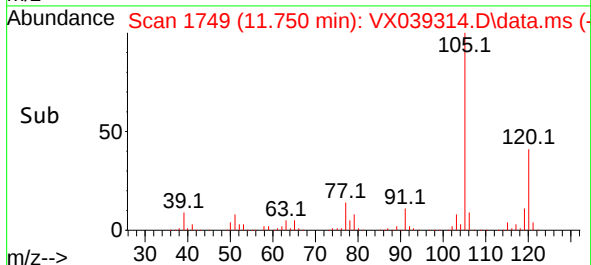
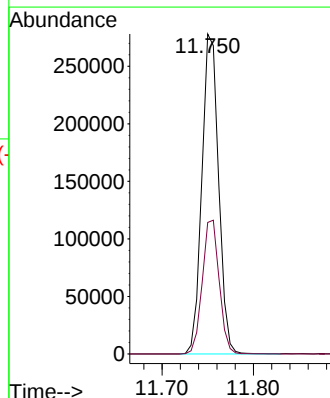
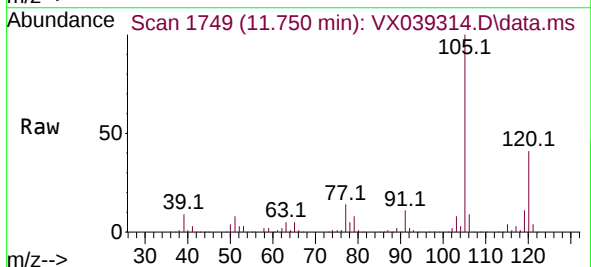
Acq: 18 Dec 2023 16:13

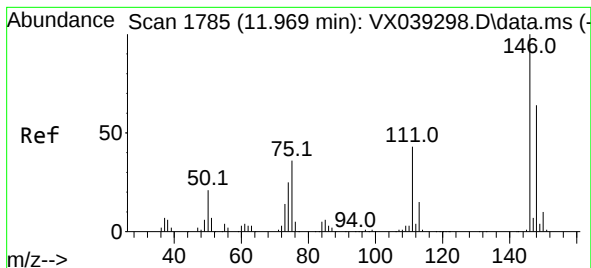
Tgt Ion:105 Resp: 352798

Ion Ratio Lower Upper

105 100

120 42.2 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 53.718 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

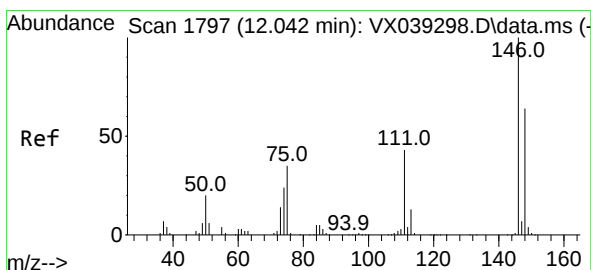
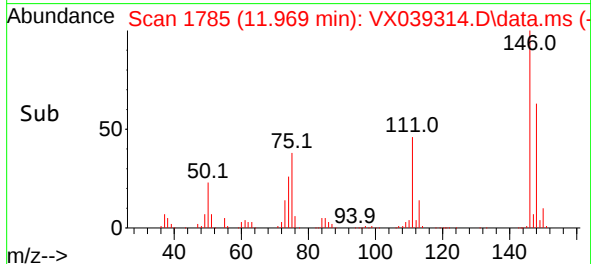
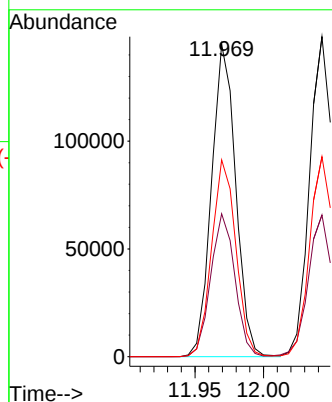
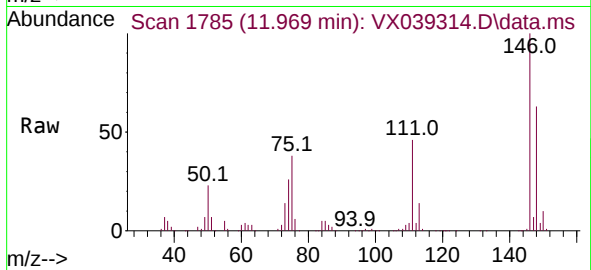
Tgt Ion:146 Resp: 177912

Ion Ratio Lower Upper

146 100

111 45.7 30.0 55.6

148 63.0 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 54.215 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

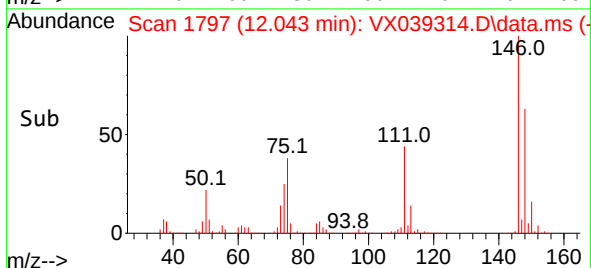
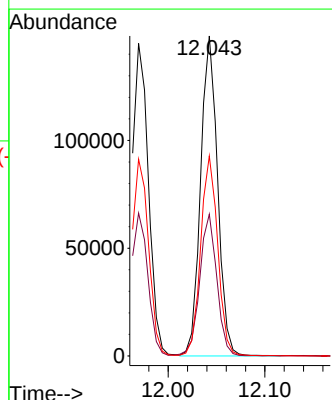
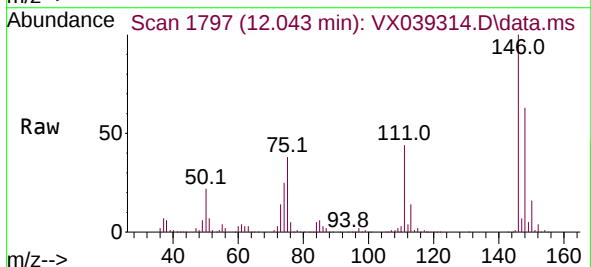
Tgt Ion:146 Resp: 181950

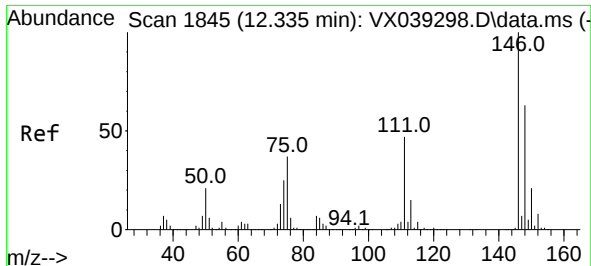
Ion Ratio Lower Upper

146 100

111 44.3 29.7 55.1

148 62.5 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 54.886 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

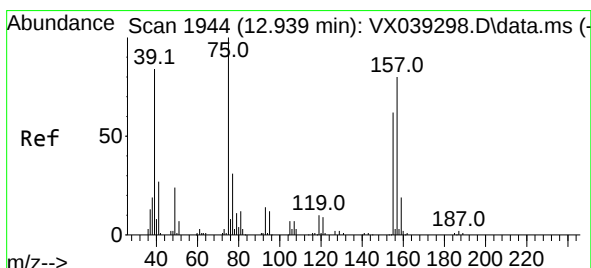
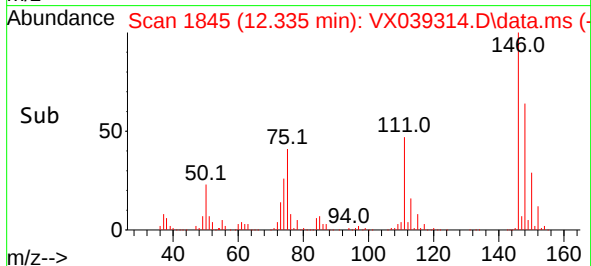
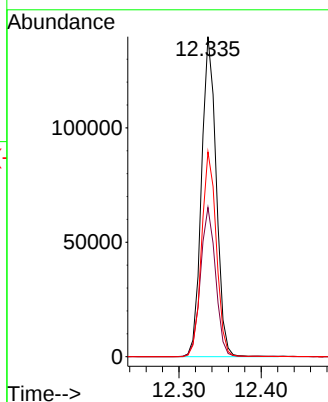
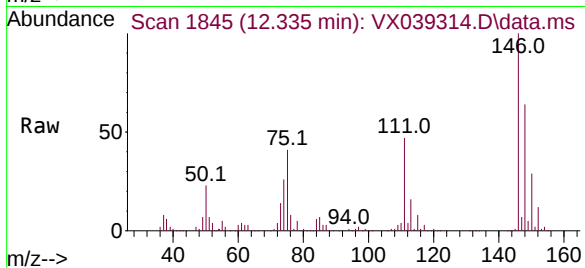
Tgt Ion:146 Resp: 173887

Ion Ratio Lower Upper

146 100

111 46.7 36.4 54.6

148 64.0 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 53.339 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

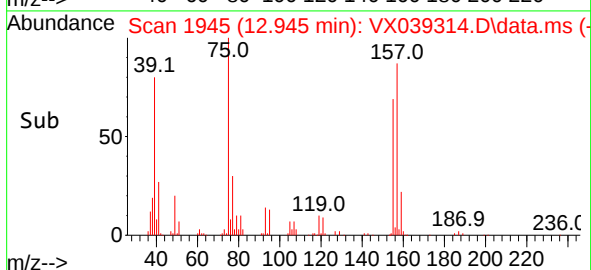
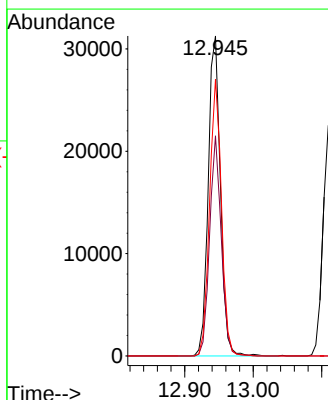
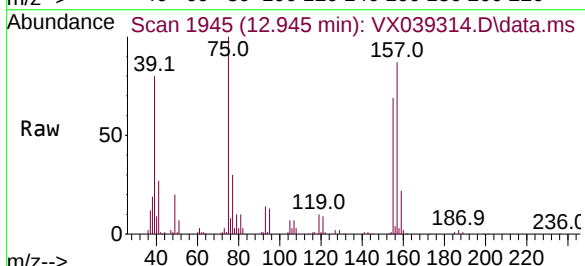
Tgt Ion: 75 Resp: 38616

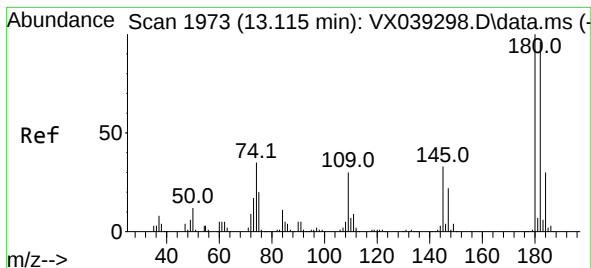
Ion Ratio Lower Upper

75 100

155 68.8 52.3 78.5

157 86.5 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 55.869 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.000 min

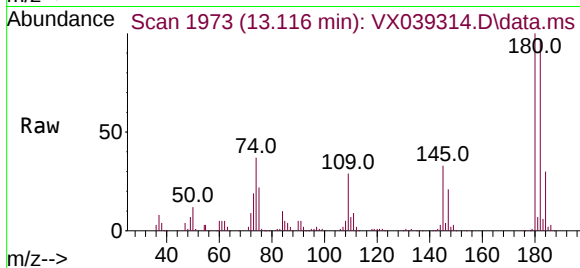
Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 122369

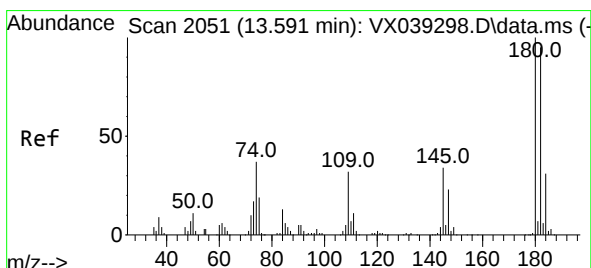
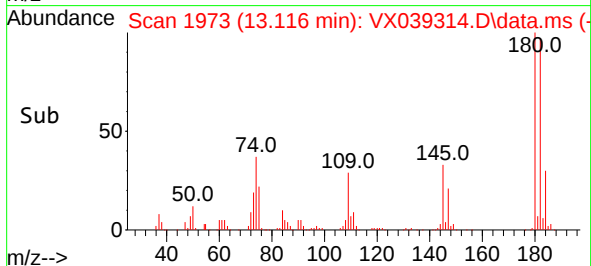
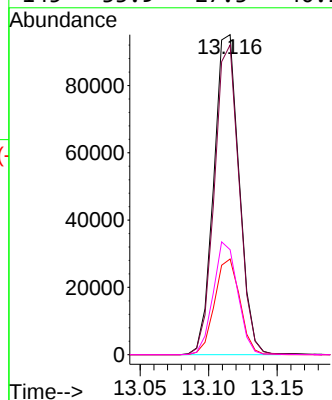
Ion Ratio Lower Upper

180 100

182 94.4 76.1 114.1

184 29.8 24.1 36.1

145 33.9 27.3 40.9



#70

1,2,4-trichlorobenzene

Concen: 56.058 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

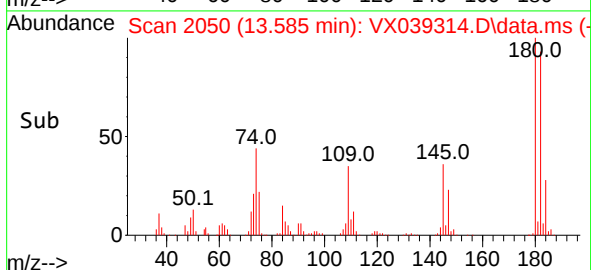
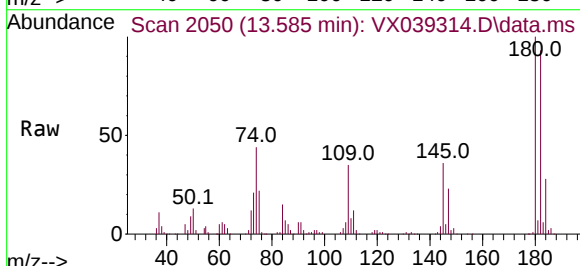
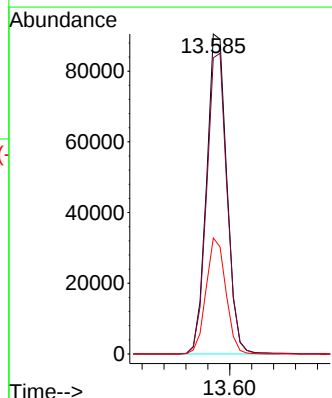
Tgt Ion:180 Resp: 115750

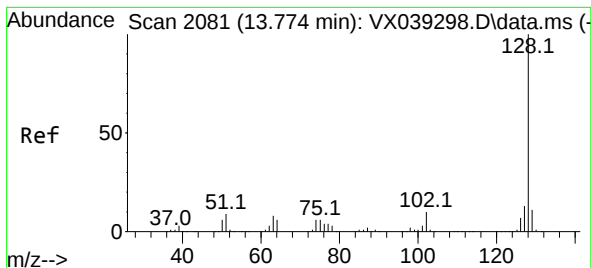
Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

145 35.5 27.8 41.6





#71

Naphthalene

Concen: 56.912 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Instrument :

MSVOA_X

ClientSampleId :

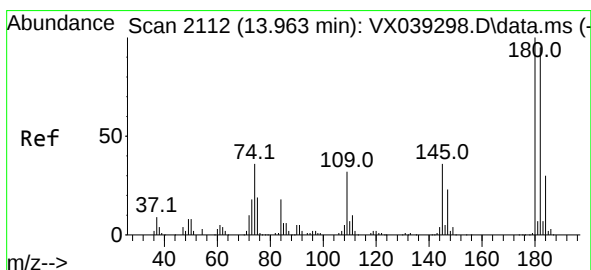
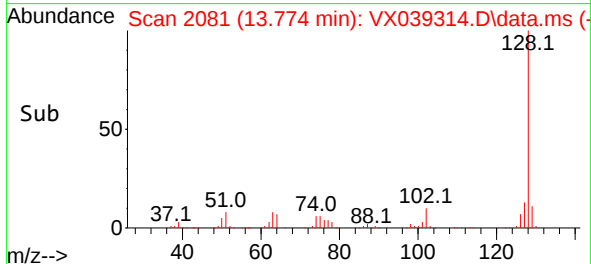
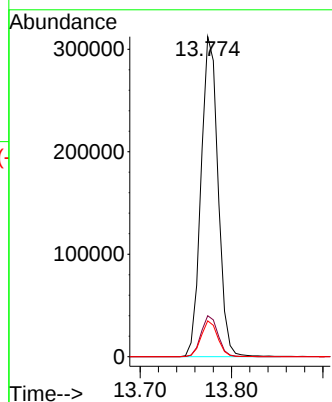
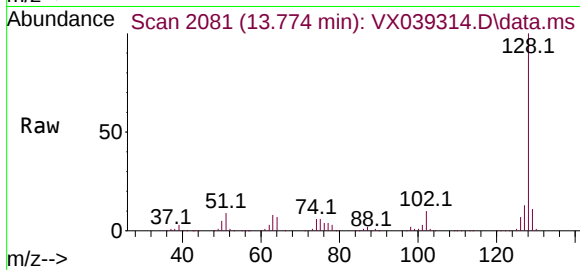
Tgt Ion:128 Resp: 403014

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 57.186 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX039314.D

Acq: 18 Dec 2023 16:13

Tgt Ion:180 Resp: 114332

Ion Ratio Lower Upper

180 100

182 94.0 75.9 113.9

145 37.0 28.6 42.8

