

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121123\
 Data File : VX039152.D
 Acq On : 11 Dec 2023 18:25
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050702

Quant Time: Dec 12 03:57:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 12 03:50:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	236352	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	218304	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	106520	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	74429	40.149	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.300%
7) Chloroethane-d5	1.666	69	56926	41.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.080%
11) 1,1-Dichloroethene-d2	2.306	65	36788	45.208	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.420%
21) 2-Butanone-d5	4.446	46	176962	105.456	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.460%
24) Chloroform-d	5.056	84	167325	50.987	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.980%
26) 1,2-Dichloroethane-d4	5.952	65	114372	53.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.620%
32) Benzene-d6	5.970	84	317918	47.188	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.380%
36) 1,2-Dichloropropane-d6	7.306	67	107036	49.366	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.740%
41) Toluene-d8	8.647	98	271200	44.419	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.840%
43) trans-1,3-Dichloroprop...	8.952	79	52297	47.398	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.800%
47) 2-Hexanone-d5	9.378	63	132327	102.183	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.180%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	158297	51.465	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.940%
66) 1,2-Dichlorobenzene-d4	12.317	152	95111	47.239	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	89715	47.597	ug/L	96
3) Chloromethane	1.294	50	100071	50.795	ug/L	100
5) Vinyl chloride	1.374	62	91635	47.194	ug/L	97
6) Bromomethane	1.605	94	55218	52.687	ug/L	97
8) Chloroethane	1.685	64	52783	48.084	ug/L	97
9) Trichlorofluoromethane	1.892	101	121790	48.398	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	77042	47.595	ug/L	97
12) 1,1-Dichloroethene	2.319	96	76856	50.477	ug/L	93
13) Acetone	2.373	43	124616	77.302	ug/L	96
14) Carbon disulfide	2.514	76	231795	47.841	ug/L	100
15) Methyl Acetate	2.697	43	128778	55.888	ug/L	98
16) Methylene chloride	2.788	84	94147	53.818	ug/L	96
17) trans-1,2-Dichloroethene	3.093	96	81687	50.918	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	316480	56.674	ug/L	98
19) 1,1-Dichloroethane	3.605	63	170427	53.727	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	98346	52.852	ug/L	98
22) 2-Butanone	4.550	43	186763	94.400	ug/L	100
23) Bromochloromethane	4.897	128	46823	53.529	ug/L	97
25) Chloroform	5.093	83	174951	55.295	ug/L	99

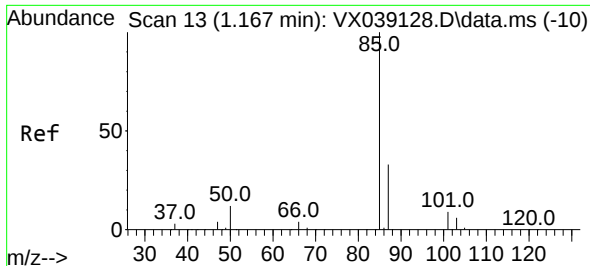
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121123\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 12 03:50:51 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	147950	59.247	ug/L #	93
29) Cyclohexane	5.471	56	138987	45.513	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	140160	52.916	ug/L	99
31) Carbon tetrachloride	5.672	117	112668	50.984	ug/L	99
33) Benzene	6.037	78	356434	51.378	ug/L	100
34) Trichloroethene	7.123	95	93648	51.078	ug/L	98
35) Methylcyclohexane	7.379	83	132423	43.368	ug/L	97
37) 1,2-Dichloropropane	7.427	63	103014	53.541	ug/L	100
38) Bromodichloromethane	7.818	83	128456	54.891	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	157100	51.195	ug/L	99
40) 4-Methyl-2-pentanone	8.568	43	352281	109.247	ug/L	99
42) Toluene	8.714	91	366287	49.789	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	151339	53.144	ug/L	98
45) 1,1,2-Trichloroethane	9.147	97	93257	52.890	ug/L	96
46) Tetrachloroethene	9.275	164	56637	46.829	ug/L	97
48) 2-Hexanone	9.427	43	278673	103.254	ug/L	98
49) Dibromochloromethane	9.519	129	94043	54.747	ug/L	98
50) 1,2-Dibromoethane	9.610	107	102403	54.210	ug/L	98
51) Chlorobenzene	10.079	112	224320	49.364	ug/L	97
52) Ethylbenzene	10.195	91	404351	49.164	ug/L	100
53) m,p-Xylene	10.299	106	146581	47.668	ug/L	98
54) o-Xylene	10.640	106	145628	49.355	ug/L	97
55) Styrene	10.653	104	253431	50.198	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.207	83	162830	52.915	ug/L	99
59) Bromoform	10.799	173	66501	53.120	ug/L	99
60) Isopropylbenzene	10.963	105	384944	49.456	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	130990	56.136	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	329836	50.194	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	324800	50.408	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	164338	49.329	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	170371	50.467	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	161824	50.779	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	42517	58.382	ug/L	97
69) 1,3,5-Trichlorobenzene	13.109	180	107032	48.580	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	107120	51.574	ug/L	98
71) Naphthalene	13.774	128	369098	51.817	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	101076	50.259	ug/L	99

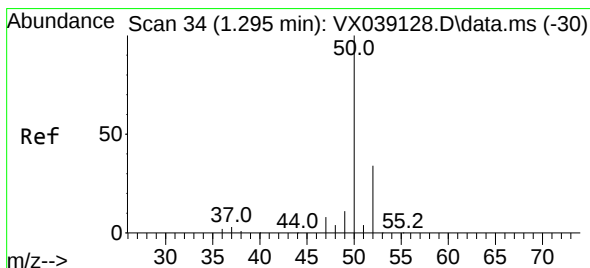
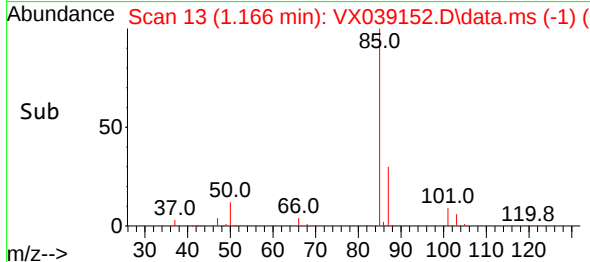
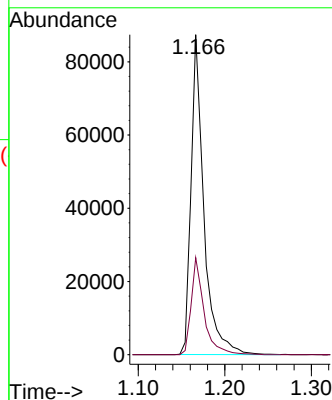
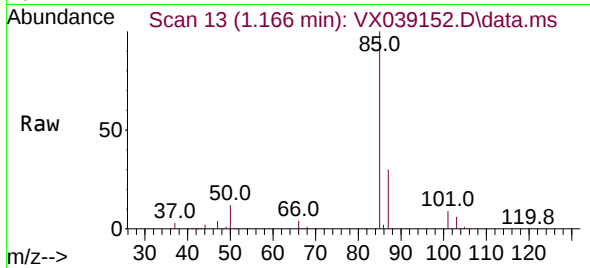
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 47.597 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

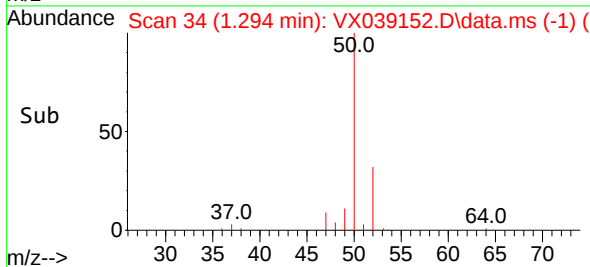
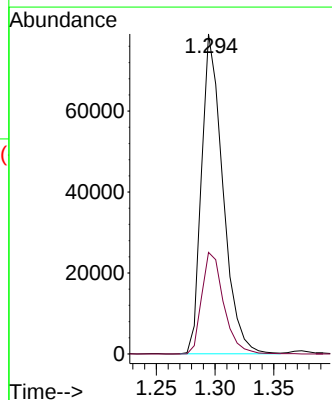
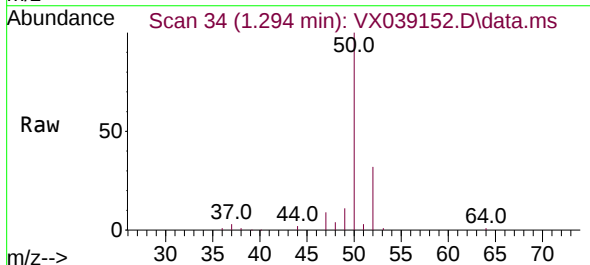
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

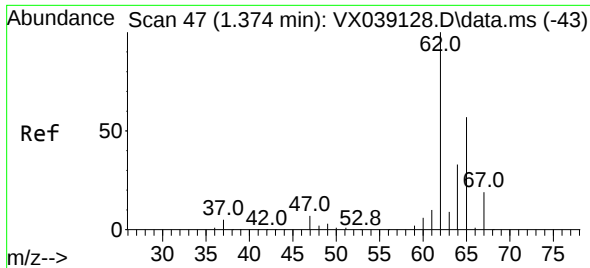
Tgt Ion: 85 Resp: 89715
Ion Ratio Lower Upper
85 100
87 30.6 26.2 39.4



#3
Chloromethane
Concen: 50.795 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 50 Resp: 100071
Ion Ratio Lower Upper
50 100
52 31.7 22.4 41.6

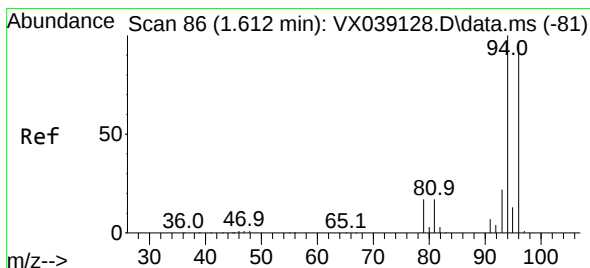
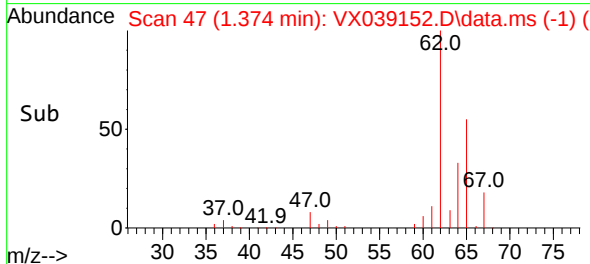
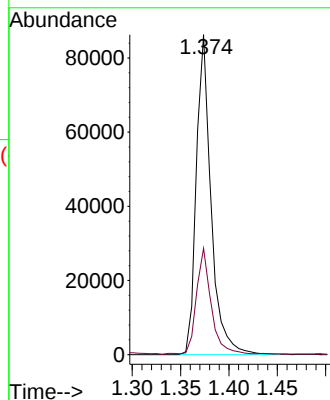
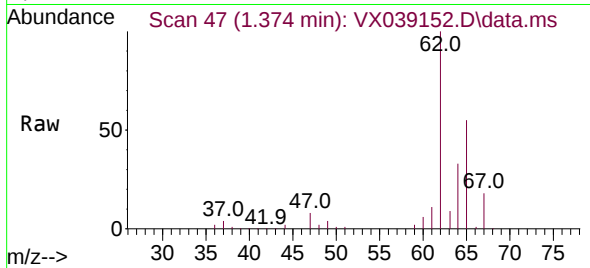




#5
 Vinyl chloride
 Concen: 47.194 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX039152.D
 Acq: 11 Dec 2023 18:25

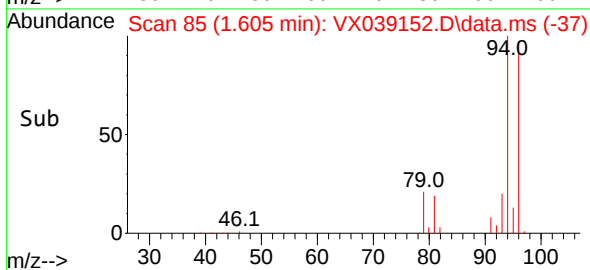
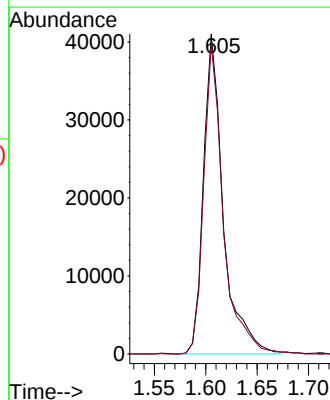
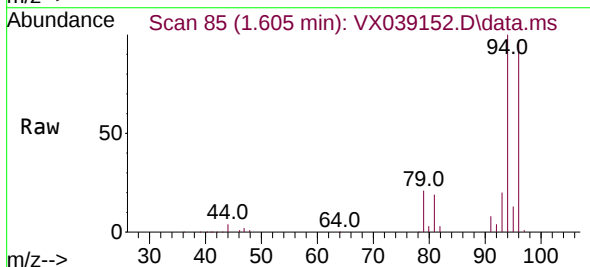
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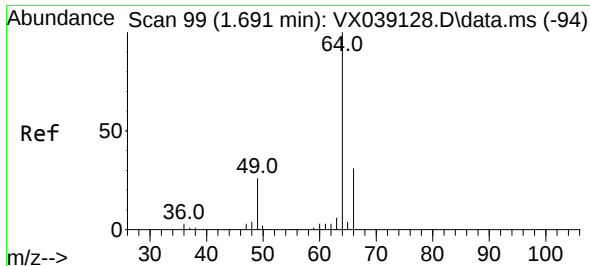
Tgt Ion: 62 Resp: 91635
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.3 41.3



#6
 Bromomethane
 Concen: 52.687 ug/L
 RT: 1.605 min Scan# 85
 Delta R.T. -0.006 min
 Lab File: VX039152.D
 Acq: 11 Dec 2023 18:25

Tgt Ion: 94 Resp: 55218
 Ion Ratio Lower Upper
 94 100
 96 96.8 65.8 122.2

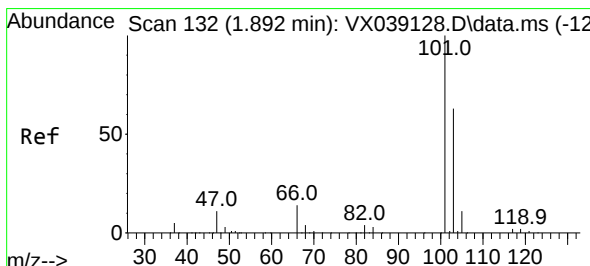
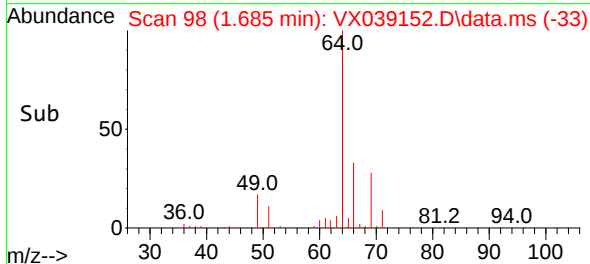
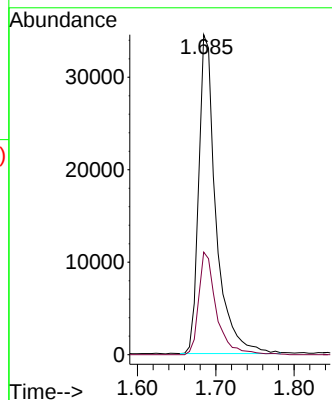
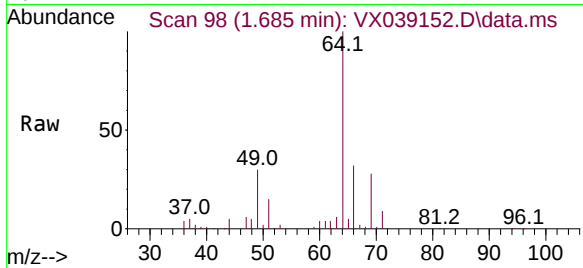




#8
Chloroethane
Concen: 48.084 ug/L
RT: 1.685 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

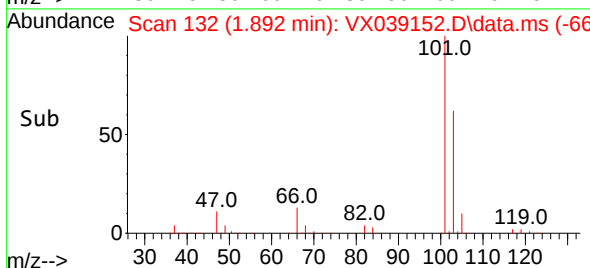
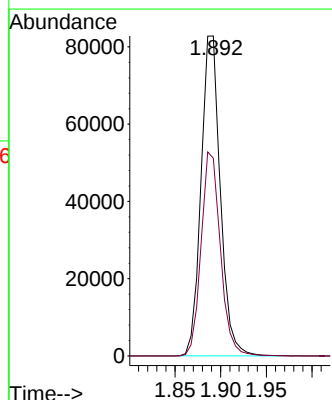
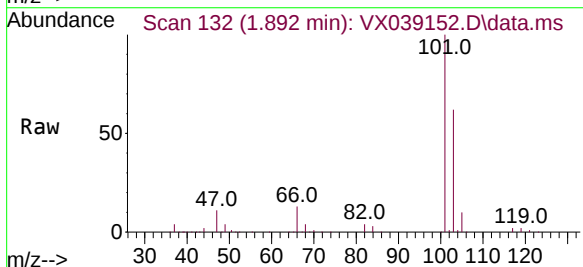
Instrument :
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ClientSampleId :
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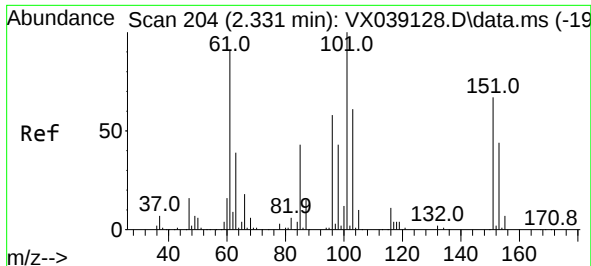
Tgt Ion: 64 Resp: 52783
Ion Ratio Lower Upper
64 100
66 32.0 23.4 43.6



#9
Trichlorofluoromethane
Concen: 48.398 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion:101 Resp: 121790
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.2

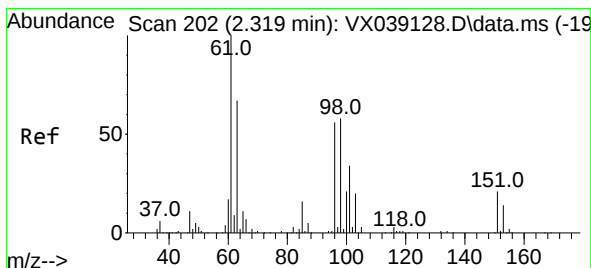
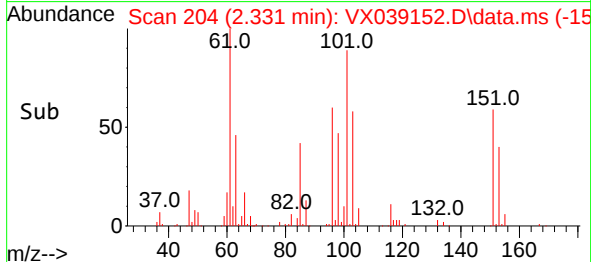
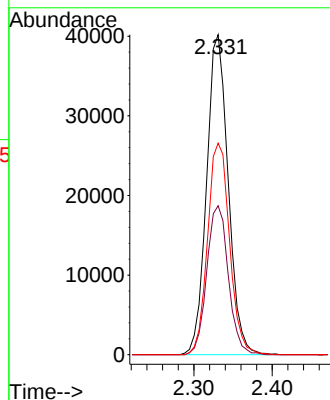
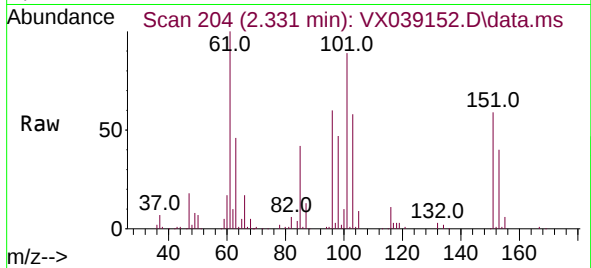




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.595 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX039152.D
 Acq: 11 Dec 2023 18:25

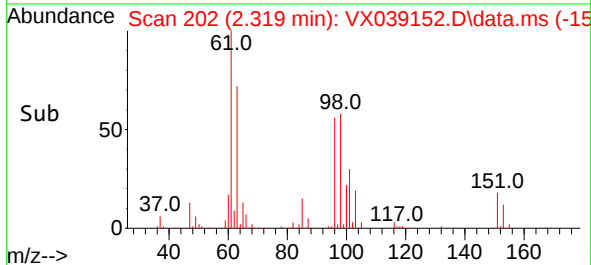
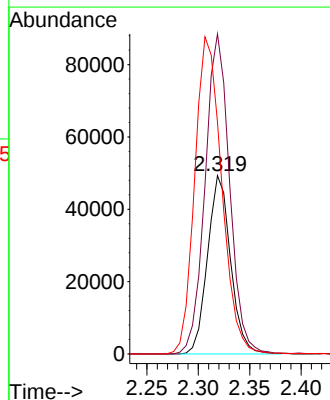
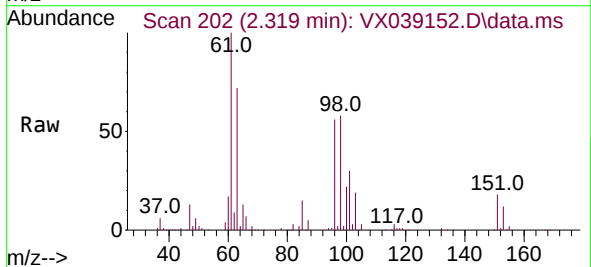
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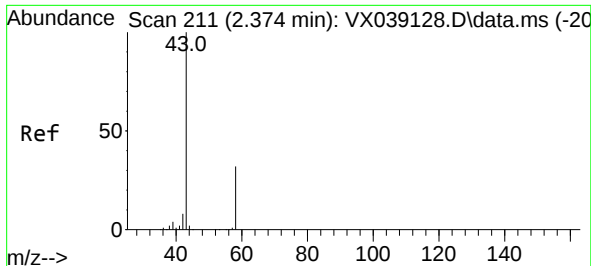
Tgt Ion:101 Resp: 77042
 Ion Ratio Lower Upper
 101 100
 85 46.4 35.8 53.6
 151 67.3 55.4 83.2



#12
 1,1-Dichloroethene
 Concen: 50.477 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX039152.D
 Acq: 11 Dec 2023 18:25

Tgt Ion: 96 Resp: 76856
 Ion Ratio Lower Upper
 96 100
 61 179.4 128.0 237.6
 63 130.0 101.5 188.5





#13

Acetone

Concen: 77.302 ug/L

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

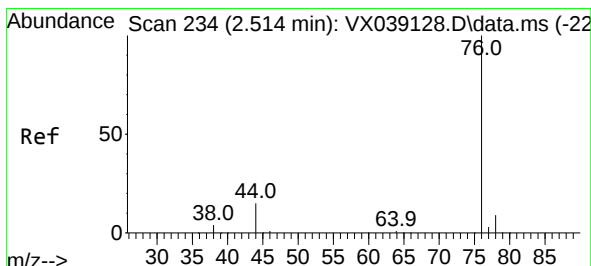
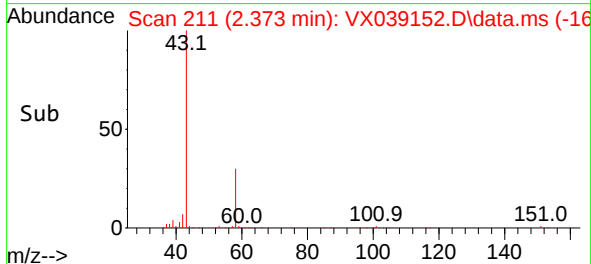
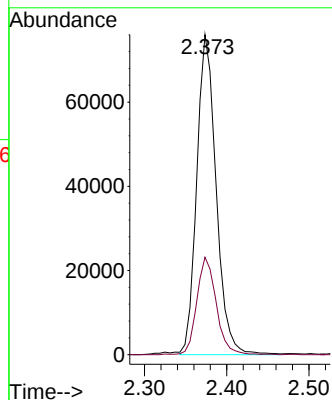
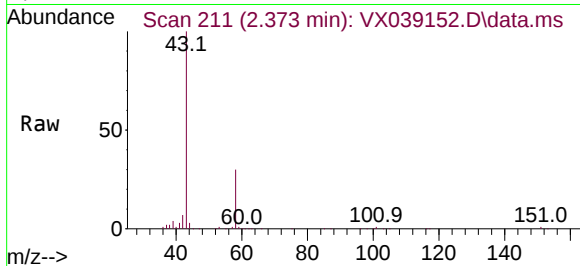
VSTD050702

Tgt Ion: 43 Resp: 124616

Ion Ratio Lower Upper

43 100

58 30.4 0.0 65.8



#14

Carbon disulfide

Concen: 47.841 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX039152.D

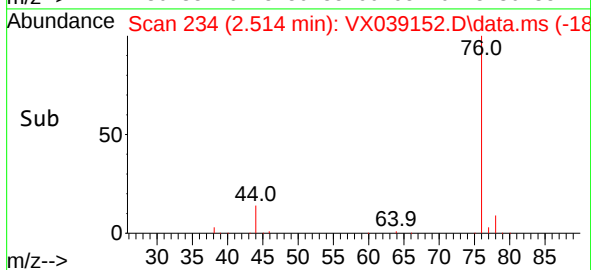
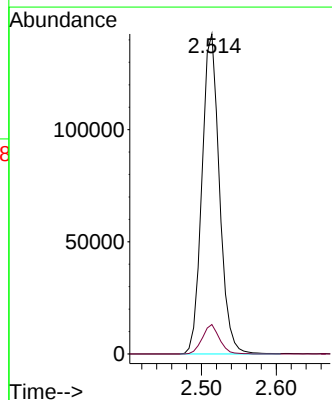
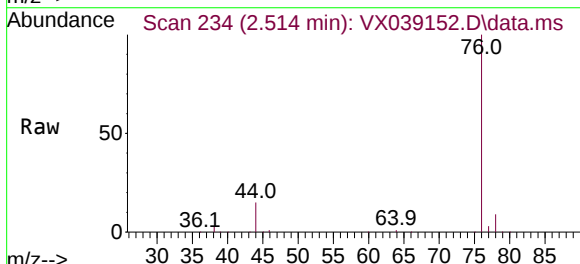
Acq: 11 Dec 2023 18:25

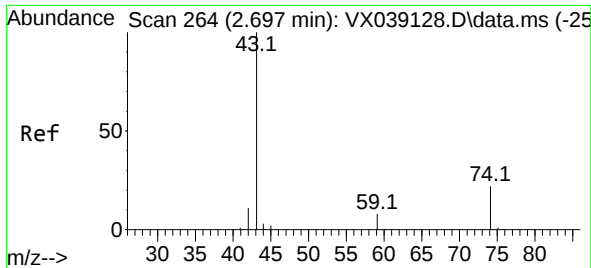
Tgt Ion: 76 Resp: 231795

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

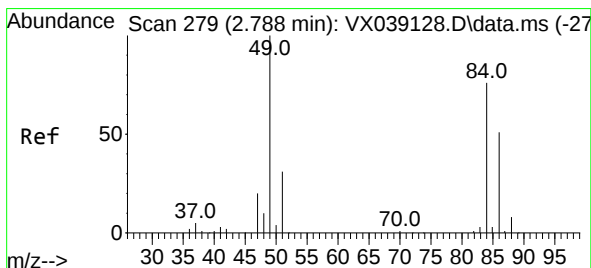
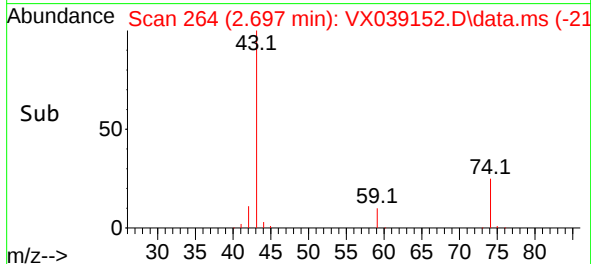
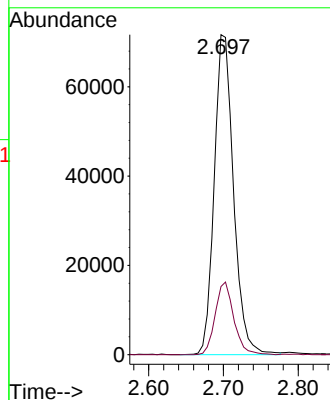
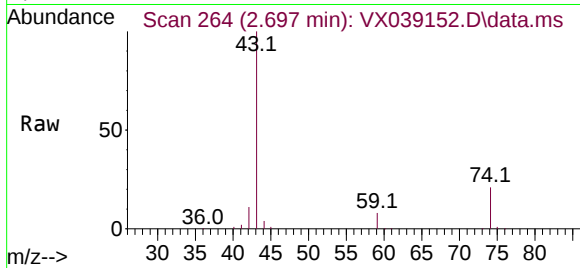




#15
Methyl Acetate
Concen: 55.888 ug/L
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

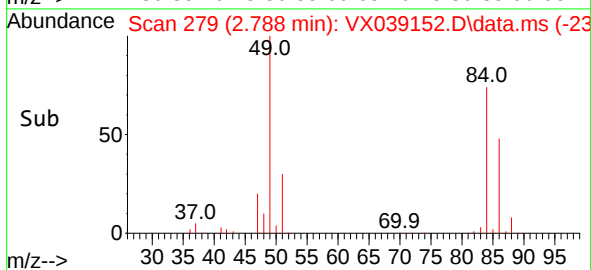
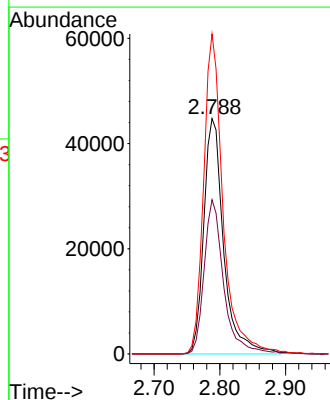
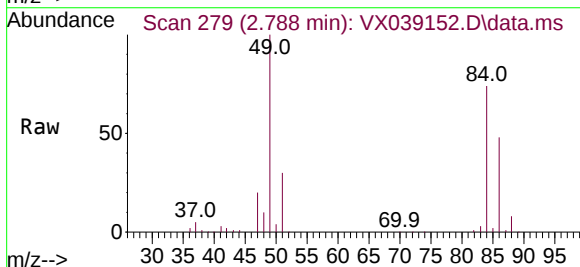
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

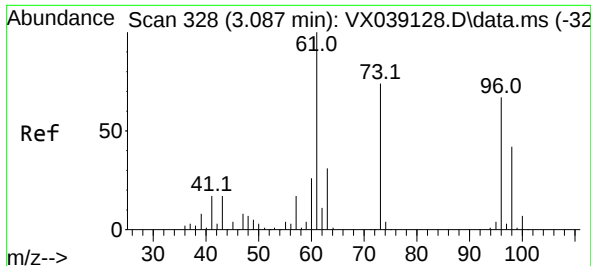
Tgt Ion: 43 Resp: 128778
Ion Ratio Lower Upper
43 100
74 21.8 18.2 27.4



#16
Methylene chloride
Concen: 53.818 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 84 Resp: 94147
Ion Ratio Lower Upper
84 100
86 65.5 44.7 82.9
49 135.9 90.9 168.7

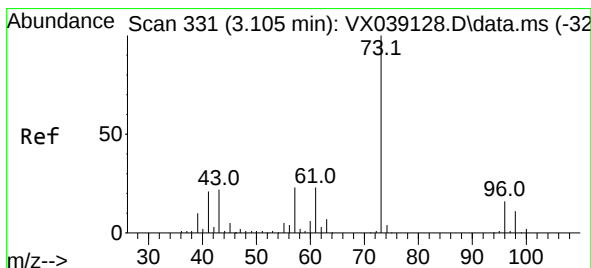
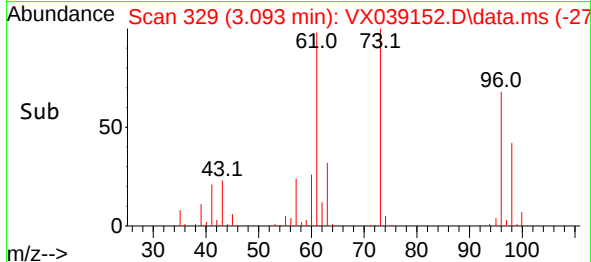
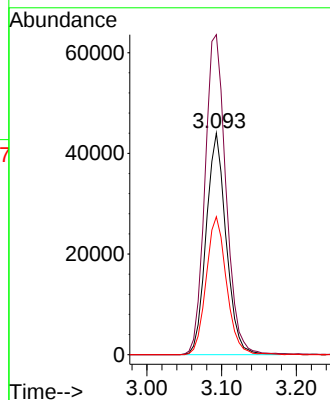
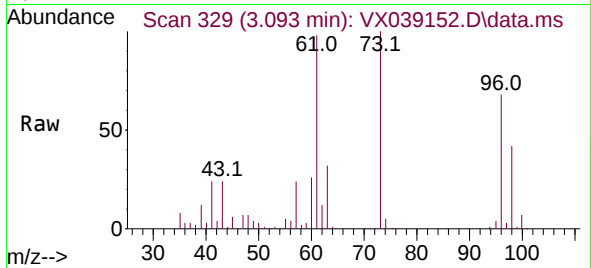




#17
trans-1,2-Dichloroethene
Concen: 50.918 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

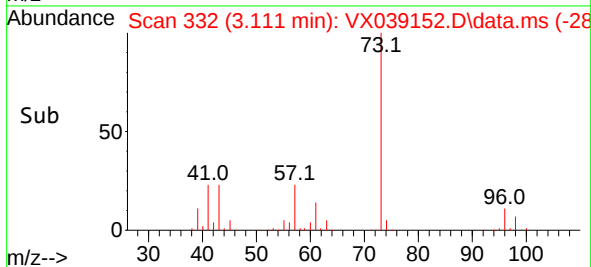
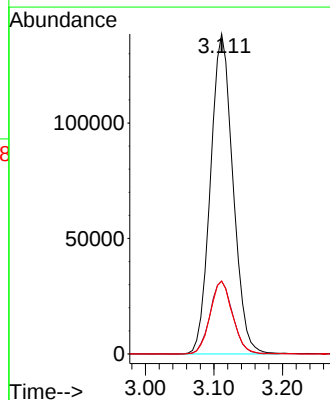
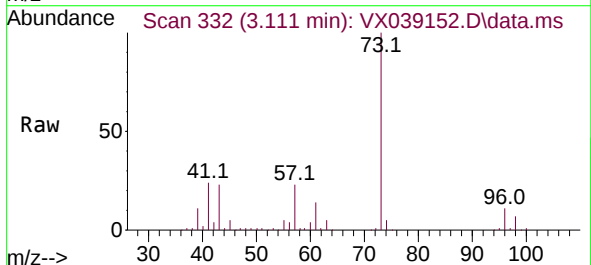
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

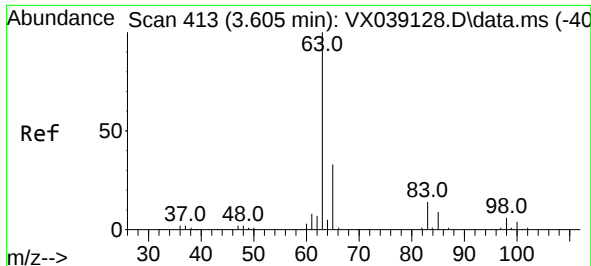
Tgt Ion: 96 Resp: 81687
Ion Ratio Lower Upper
96 100
61 144.4 99.8 185.3
98 62.2 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 56.674 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 73 Resp: 316480
Ion Ratio Lower Upper
73 100
43 22.9 16.9 25.3
57 22.5 18.5 27.7





#19

1,1-Dichloroethane

Concen: 53.727 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

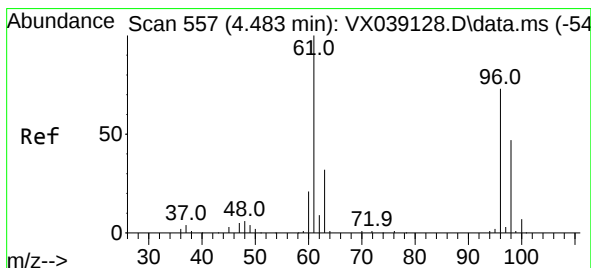
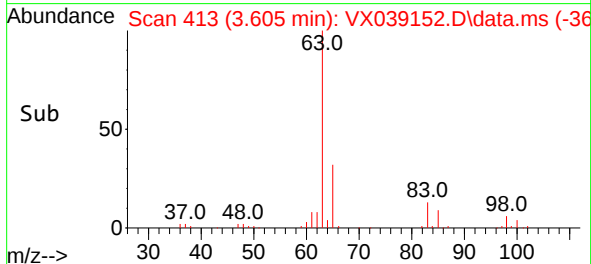
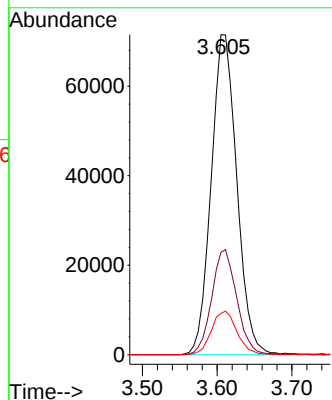
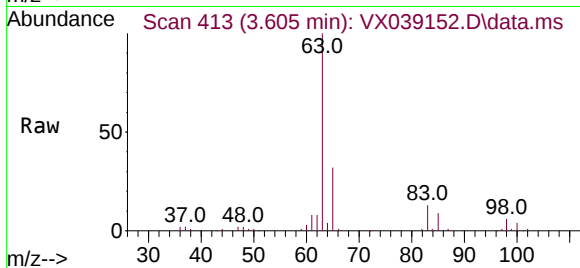
Tgt Ion: 63 Resp: 170427

Ion Ratio Lower Upper

63 100

65 32.0 21.1 39.3

83 12.9 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 52.852 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

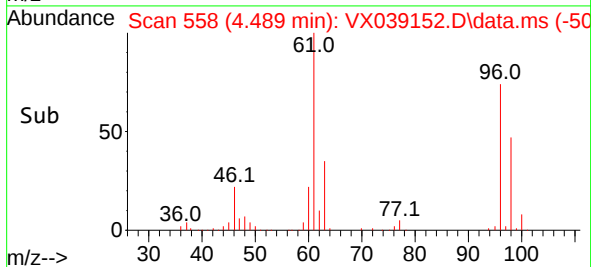
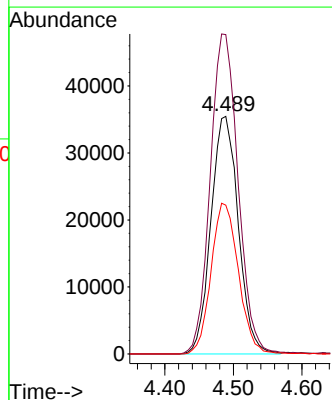
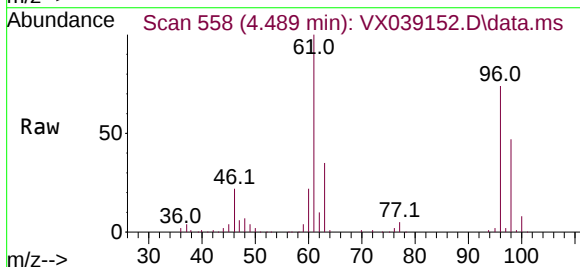
Tgt Ion: 96 Resp: 98346

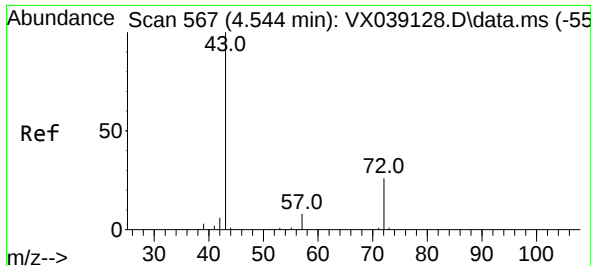
Ion Ratio Lower Upper

96 100

61 134.4 91.7 170.3

98 62.6 44.2 82.2

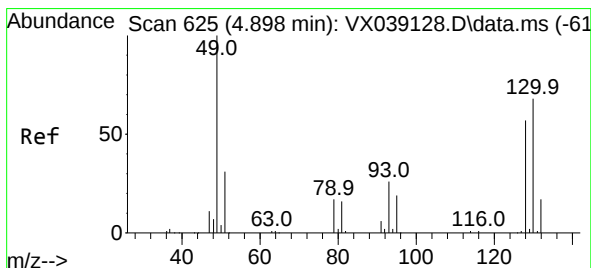
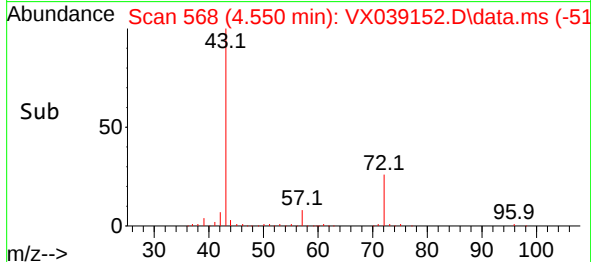
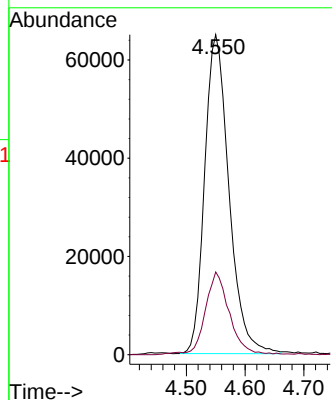
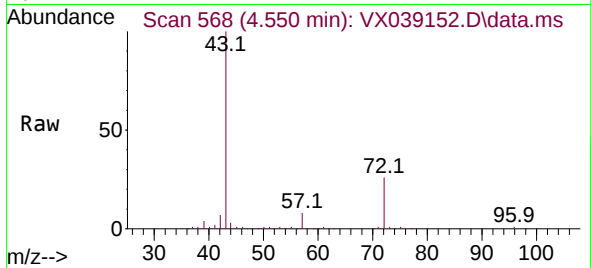




#22
2-Butanone
Concen: 94.400 ug/L
RT: 4.550 min Scan# 568
Delta R.T. 0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

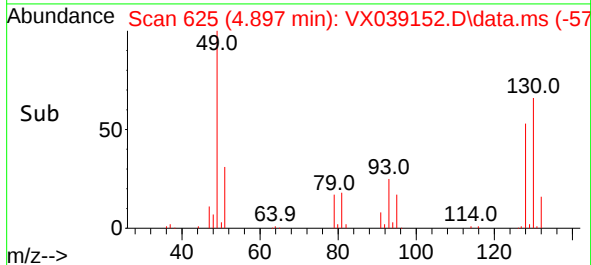
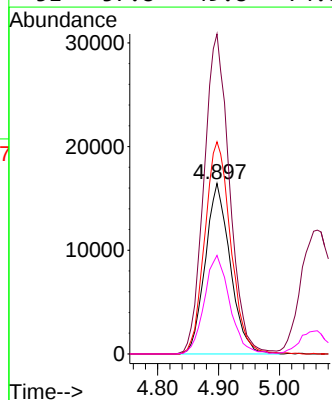
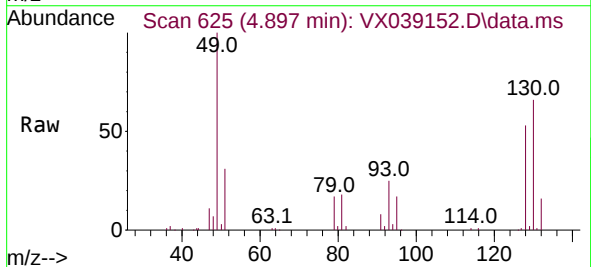
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

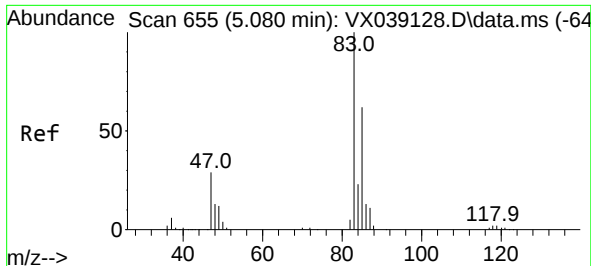
Tgt Ion: 43 Resp: 186763
Ion Ratio Lower Upper
43 100
72 25.1 12.6 37.6



#23
Bromochloromethane
Concen: 53.529 ug/L
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 128 Resp: 46823
Ion Ratio Lower Upper
128 100
49 187.7 130.8 243.0
130 124.4 90.6 168.3
51 57.8 49.8 74.8





#25

Chloroform

Concen: 55.295 ug/L

RT: 5.093 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

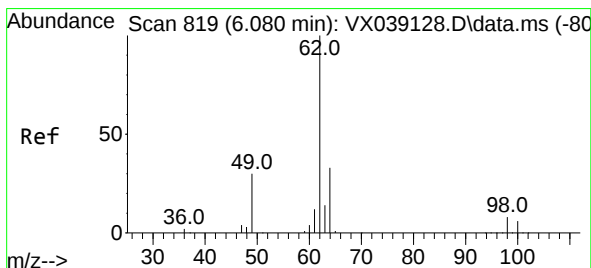
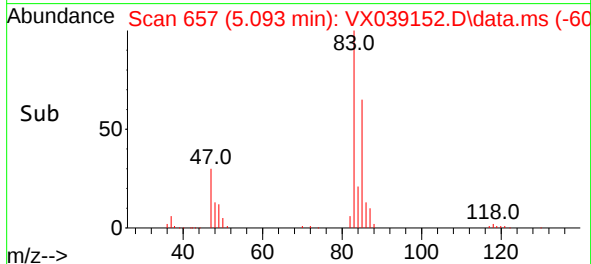
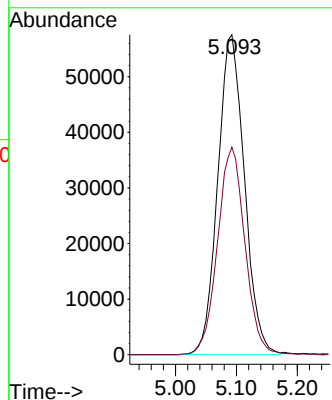
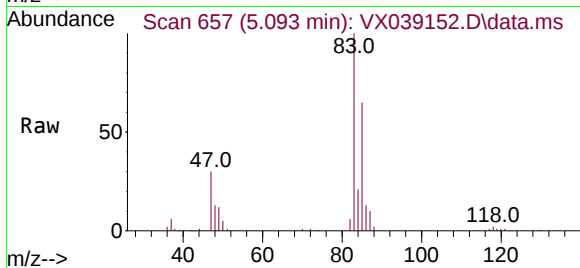
VSTD050702

Tgt Ion: 83 Resp: 174951

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7



#27

1,2-Dichloroethane

Concen: 59.247 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX039152.D

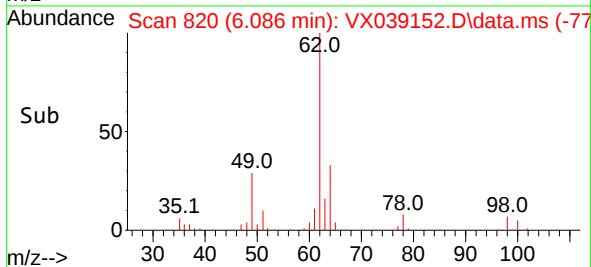
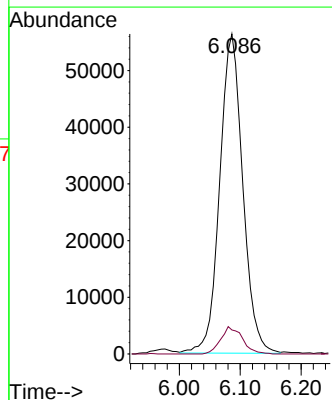
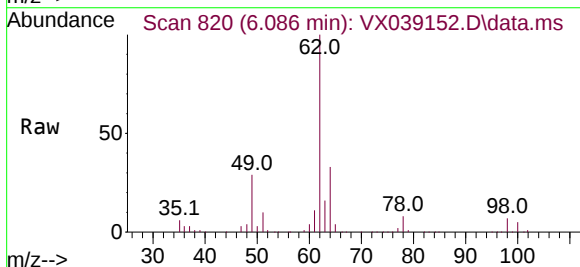
Acq: 11 Dec 2023 18:25

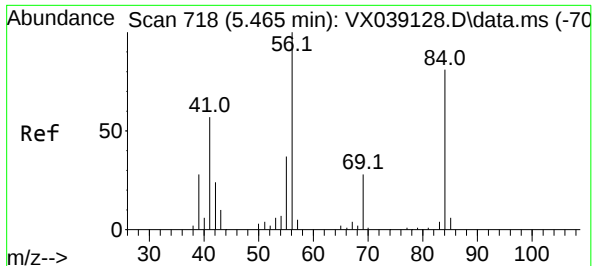
Tgt Ion: 62 Resp: 147950

Ion Ratio Lower Upper

62 100

98 7.5 8.0 12.0#





#29

Cyclohexane

Concen: 45.513 ug/L

RT: 5.471 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

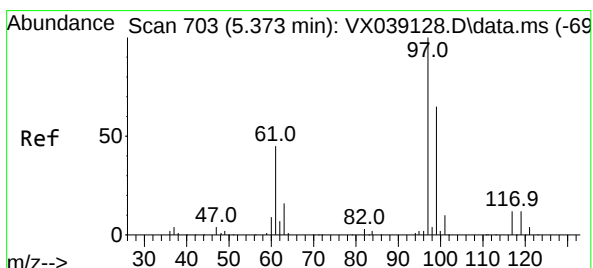
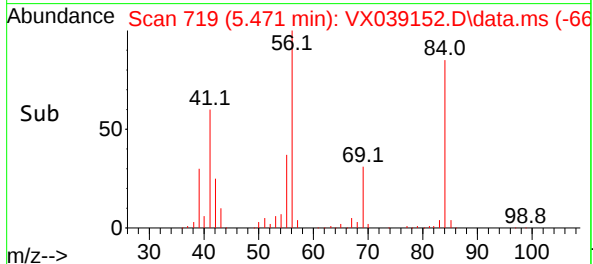
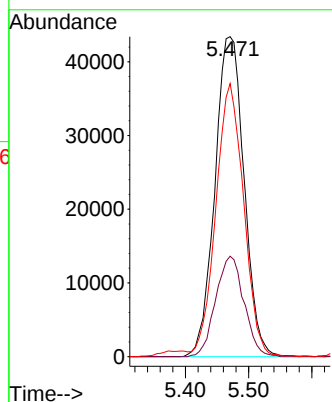
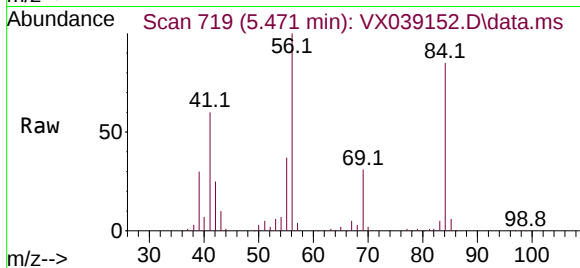
Tgt Ion: 56 Resp: 138987

Ion Ratio Lower Upper

56 100

69 30.4 24.5 36.7

84 81.1 67.0 100.4



#30

1,1,1-Trichloroethane

Concen: 52.916 ug/L

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

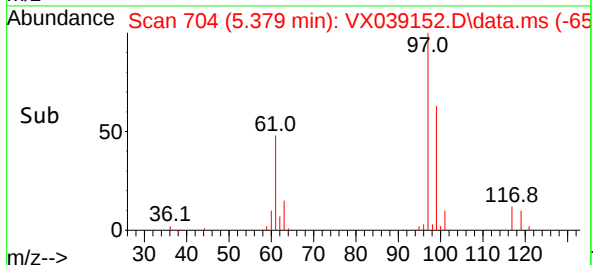
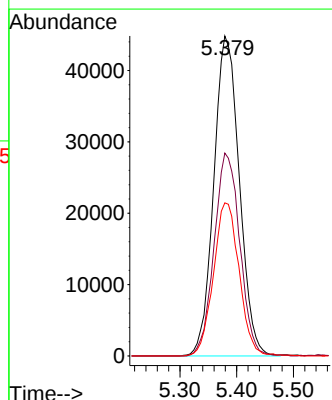
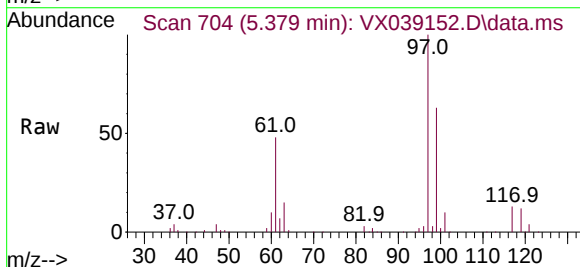
Tgt Ion: 97 Resp: 140160

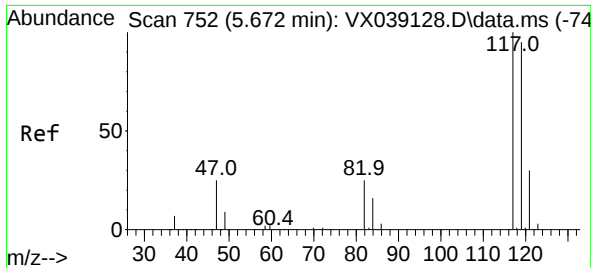
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 48.0 36.7 55.1

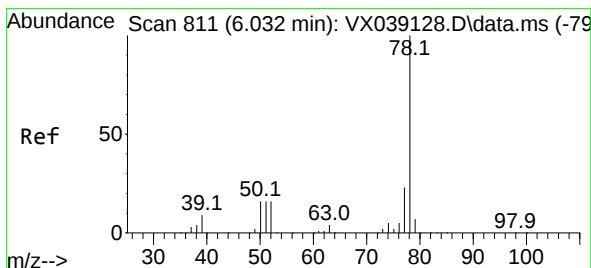
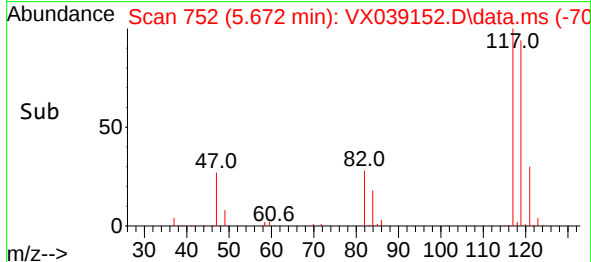
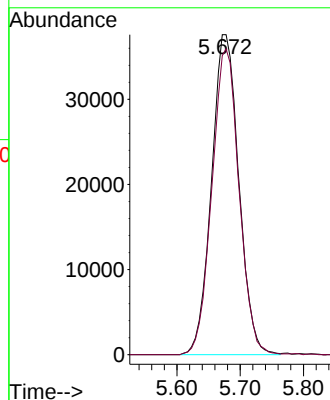
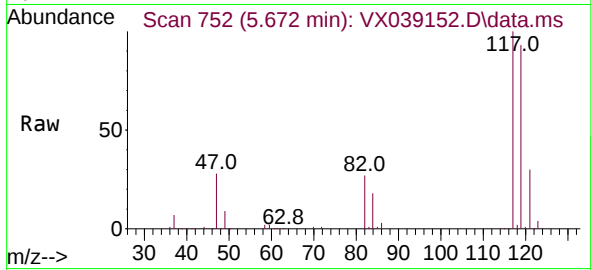




#31
Carbon tetrachloride
Concen: 50.984 ug/L
RT: 5.672 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

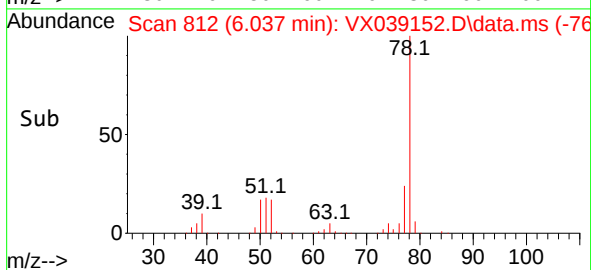
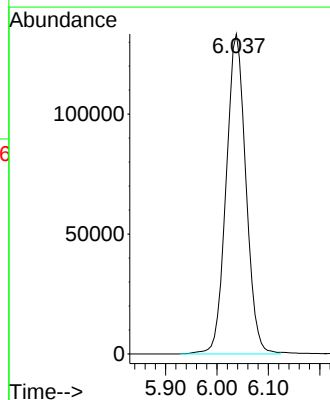
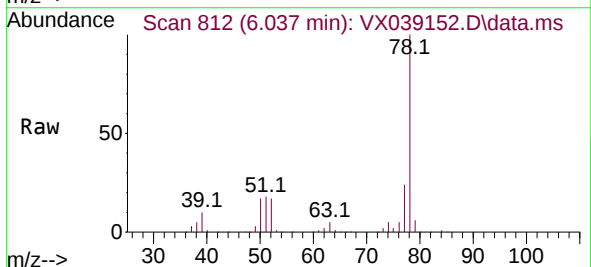
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

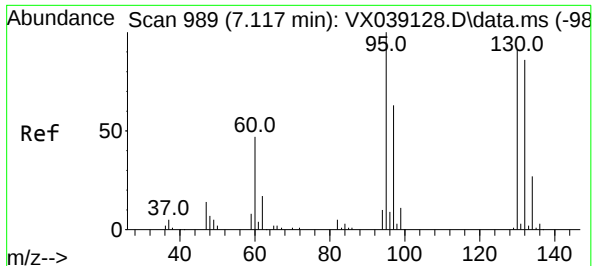
Tgt Ion:117 Resp: 112668
Ion Ratio Lower Upper
117 100
119 95.0 77.0 115.4



#33
Benzene
Concen: 51.378 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 78 Resp: 356434



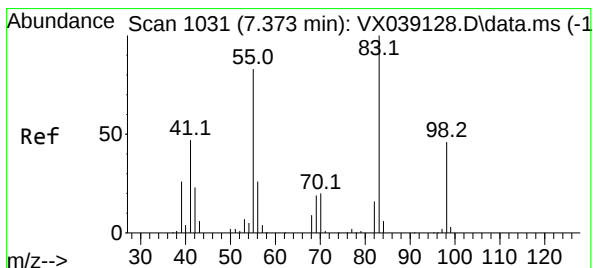
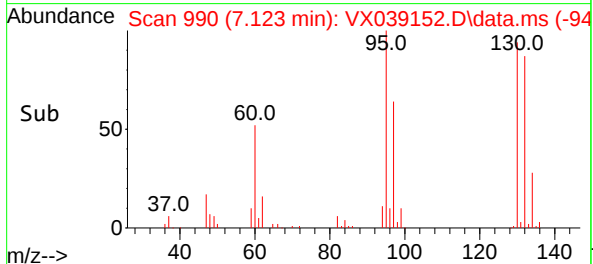
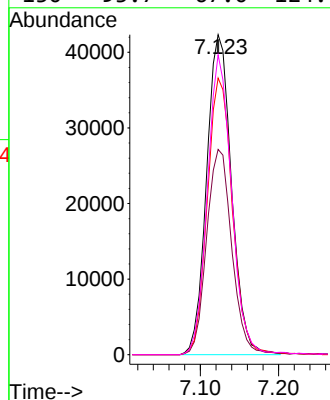
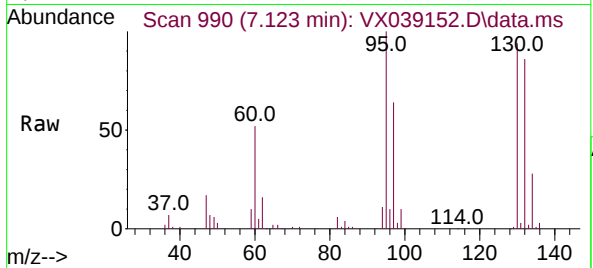


#34
Trichloroethene
Concen: 51.078 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

Tgt Ion: 95 Resp: 93648

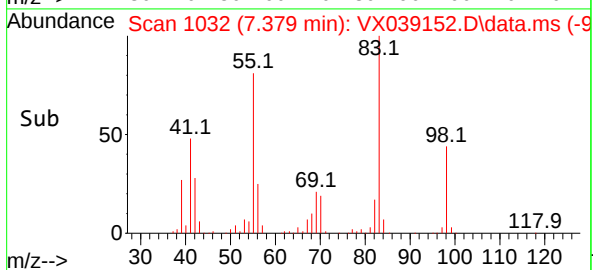
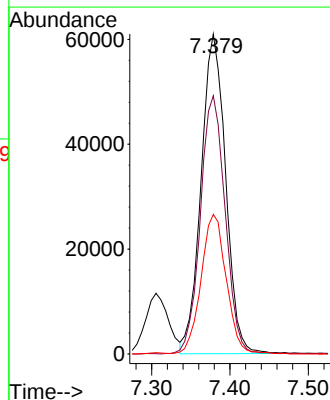
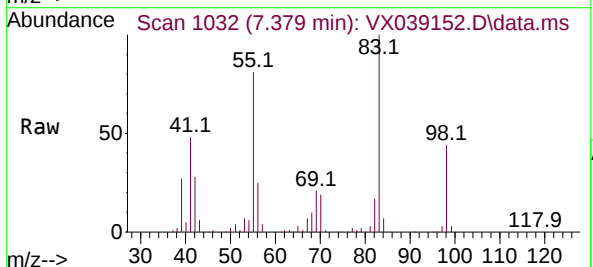
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.5	84.5
132	86.4	62.2	115.4
130	93.7	67.0	124.4

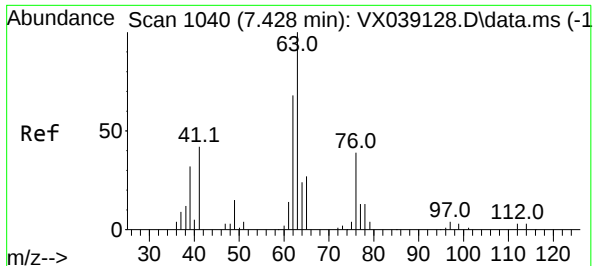


#35
Methylcyclohexane
Concen: 43.368 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 83 Resp: 132423

Ion	Ratio	Lower	Upper
83	100		
55	81.7	62.5	93.7
98	44.9	36.1	54.1





#37

1,2-Dichloropropane

Concen: 53.541 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

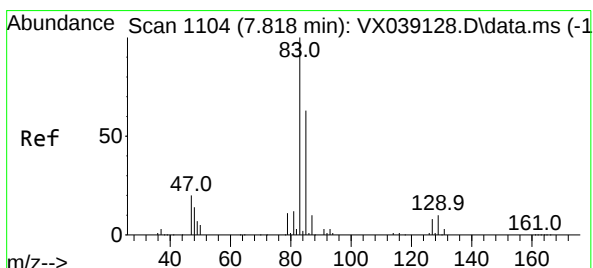
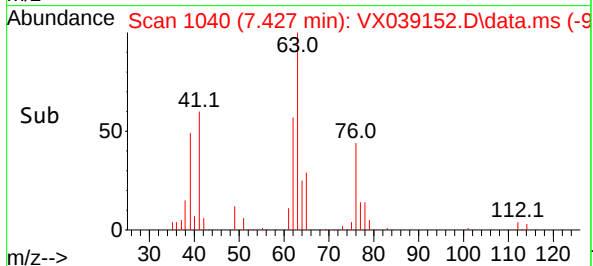
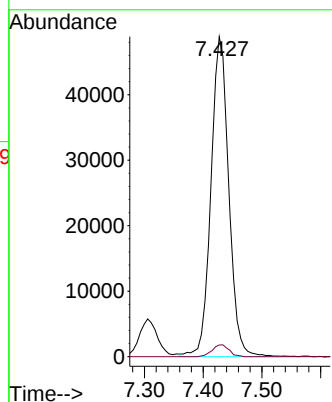
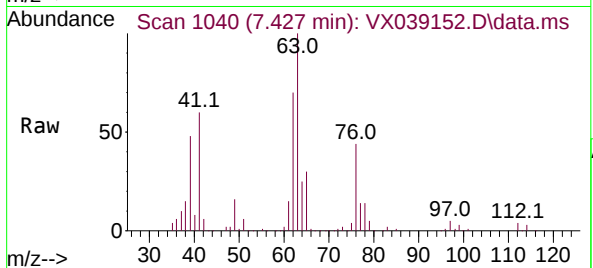
VSTD050702

Tgt Ion: 63 Resp: 103014

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 54.891 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

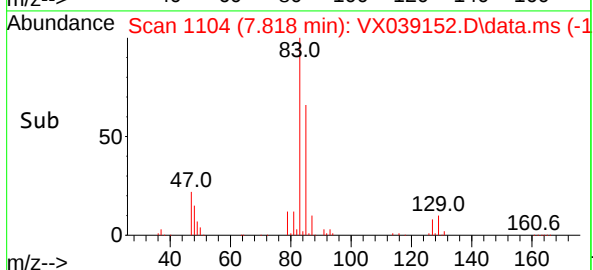
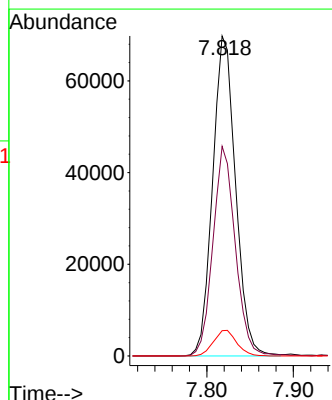
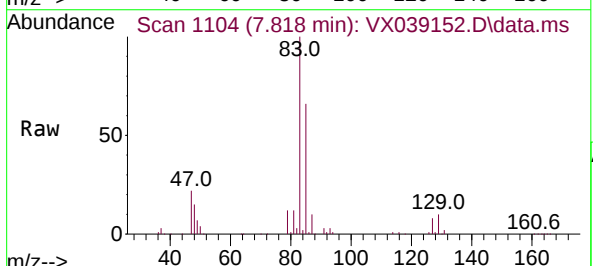
Tgt Ion: 83 Resp: 128456

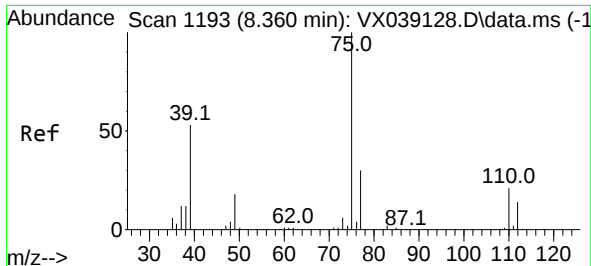
Ion Ratio Lower Upper

83 100

85 65.5 43.3 80.5

127 7.9 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 51.195 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

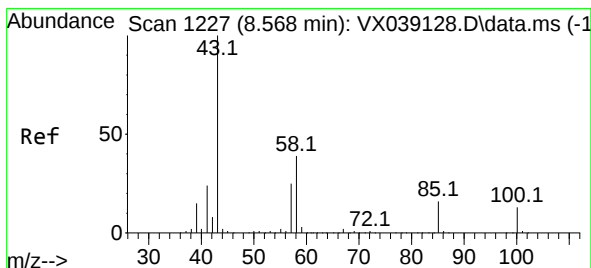
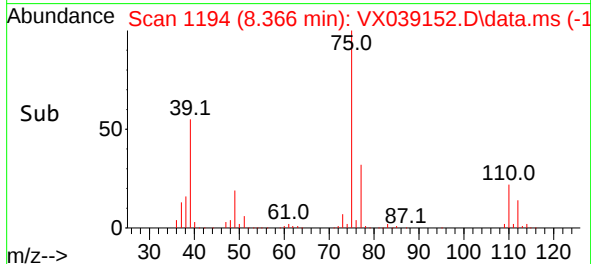
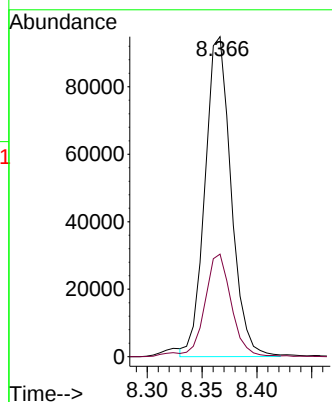
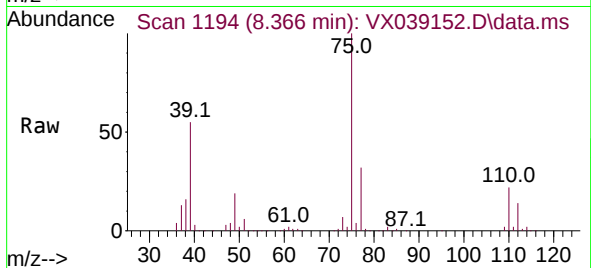
VSTD050702

Tgt Ion: 75 Resp: 157100

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 109.247 ug/L

RT: 8.568 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

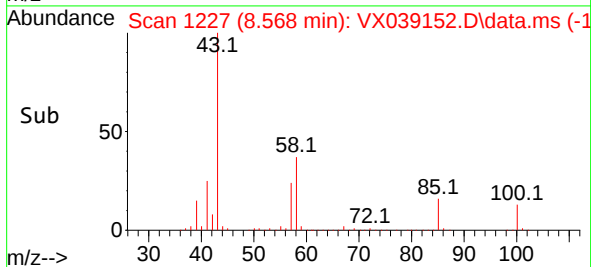
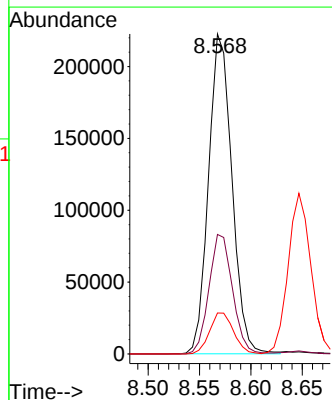
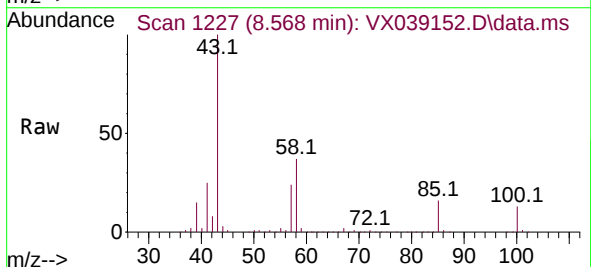
Tgt Ion: 43 Resp: 352281

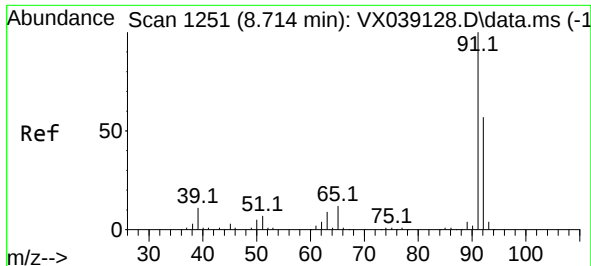
Ion Ratio Lower Upper

43 100

58 37.5 30.9 46.3

100 13.2 10.6 16.0





#42

Toluene

Concen: 49.789 ug/L

RT: 8.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

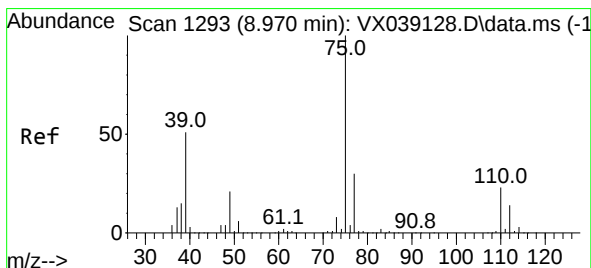
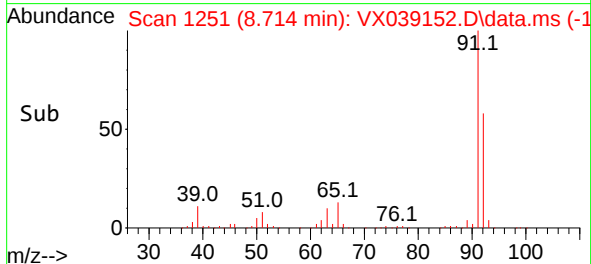
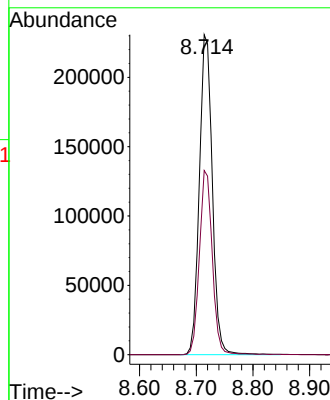
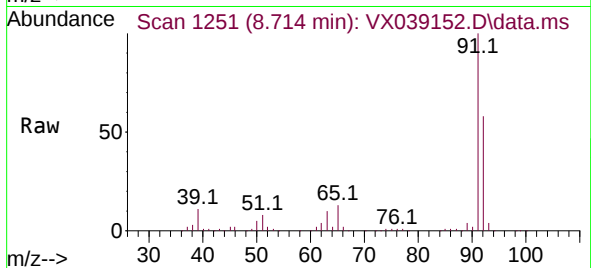
VSTD050702

Tgt Ion: 91 Resp: 366287

Ion Ratio Lower Upper

91 100

92 57.6 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 53.144 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.006 min

Lab File: VX039152.D

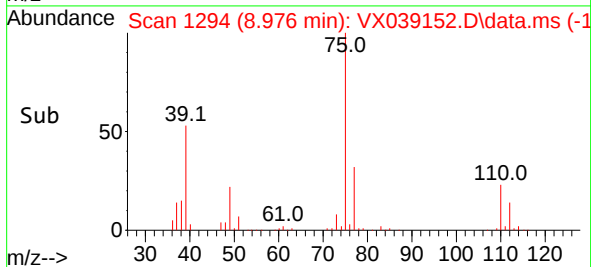
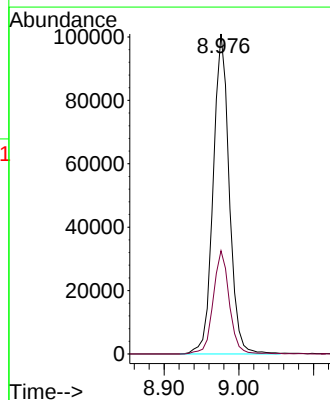
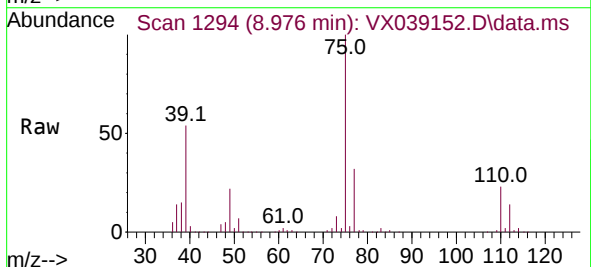
Acq: 11 Dec 2023 18:25

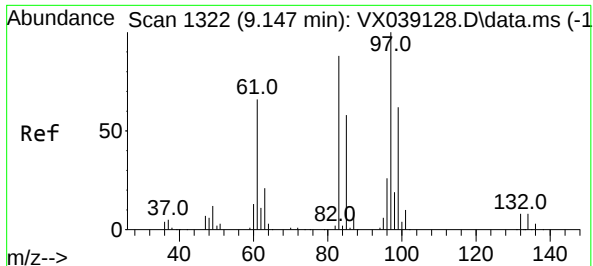
Tgt Ion: 75 Resp: 151339

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 52.890 ug/L

RT: 9.147 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

Tgt Ion: 97 Resp: 93257

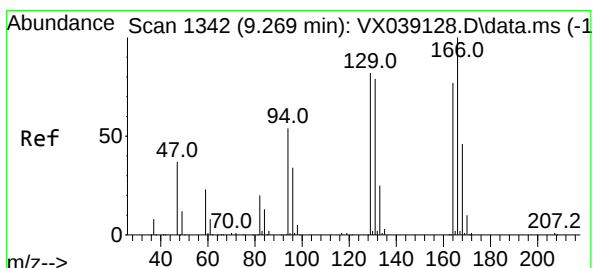
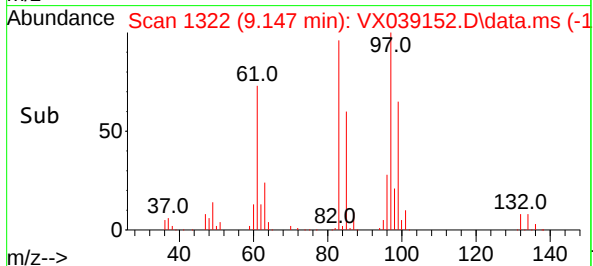
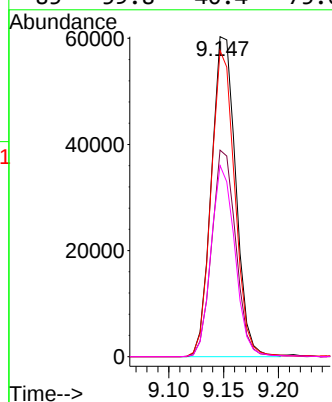
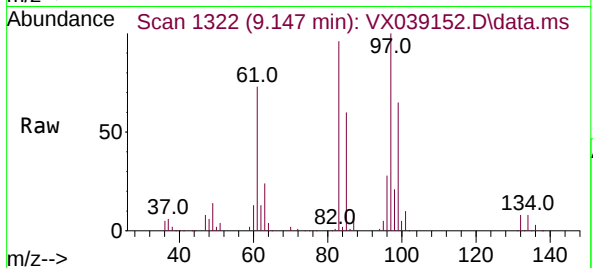
Ion Ratio Lower Upper

97 100

99 64.6 43.1 80.1

83 95.7 64.0 118.8

85 59.8 40.4 75.0



#46

Tetrachloroethene

Concen: 46.829 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Tgt Ion:164 Resp: 56637

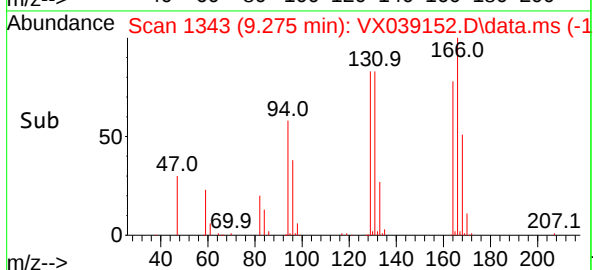
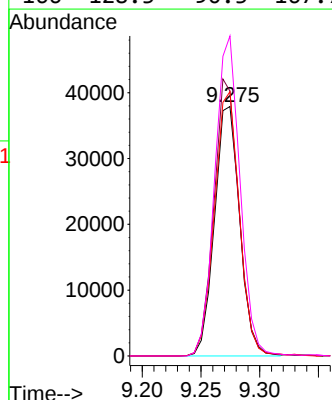
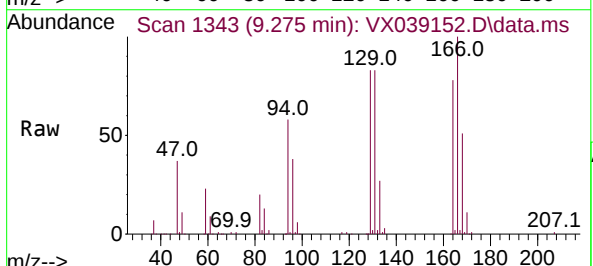
Ion Ratio Lower Upper

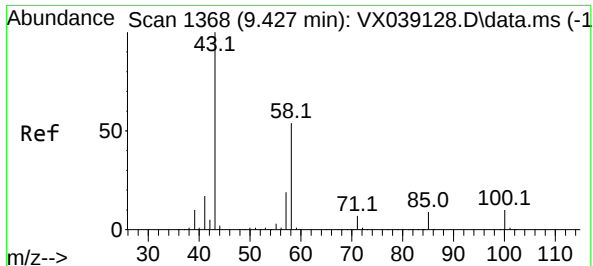
164 100

129 106.1 71.9 133.5

131 106.0 69.5 129.1

166 128.3 90.3 167.7





#48

2-Hexanone

Concen: 103.254 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

Tgt Ion: 43 Resp: 278673

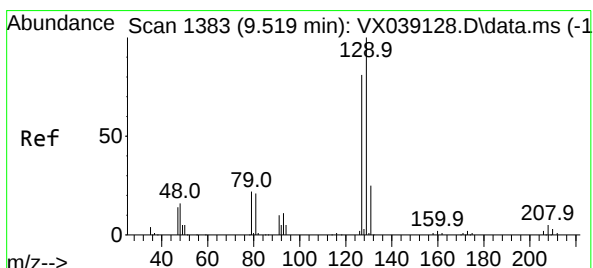
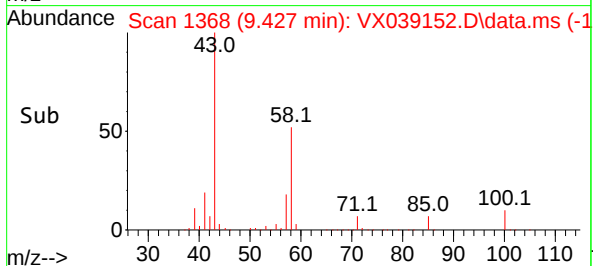
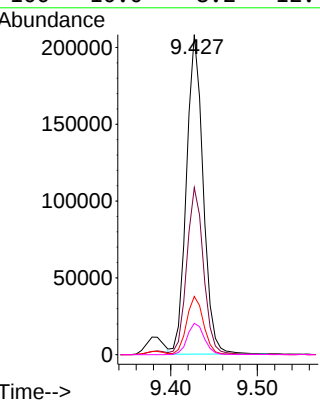
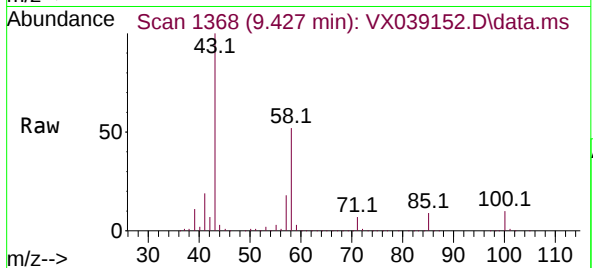
Ion Ratio Lower Upper

43 100

58 52.5 43.0 64.6

57 18.8 14.6 21.8

100 10.0 8.2 12.4



#49

Dibromochloromethane

Concen: 54.747 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX039152.D

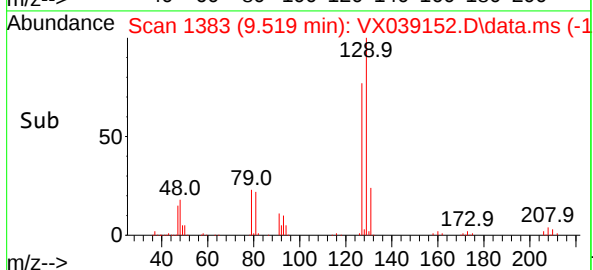
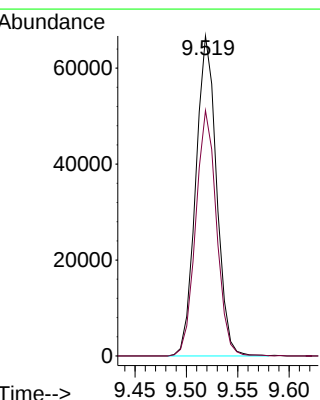
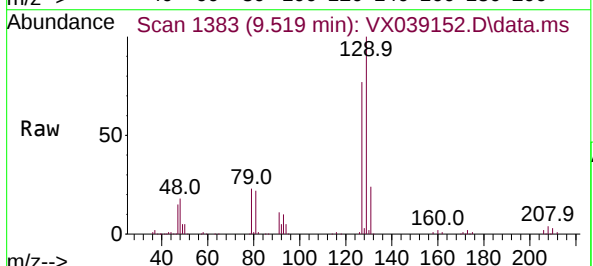
Acq: 11 Dec 2023 18:25

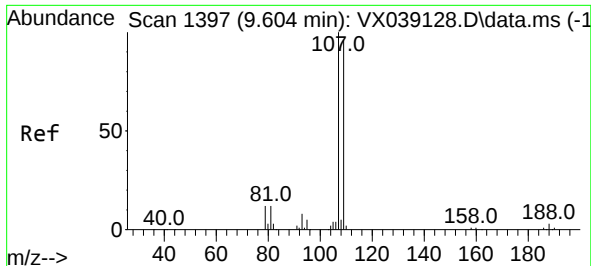
Tgt Ion:129 Resp: 94043

Ion Ratio Lower Upper

129 100

127 76.7 55.2 102.4





#50

1,2-Dibromoethane

Concen: 54.210 ug/L

RT: 9.610 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

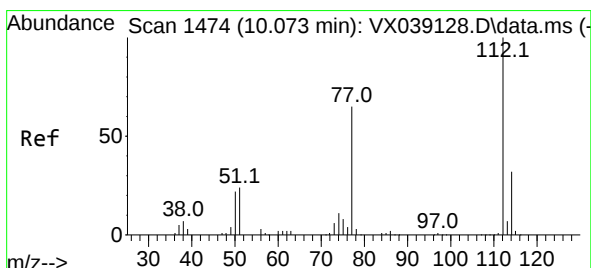
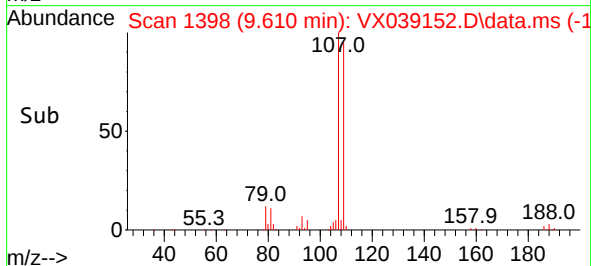
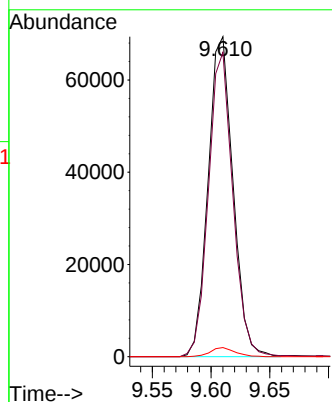
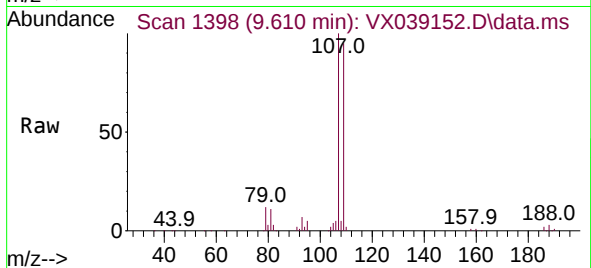
Tgt Ion:107 Resp: 102403

Ion Ratio Lower Upper

107 100

109 95.1 65.2 121.0

188 2.9 2.5 3.7



#51

Chlorobenzene

Concen: 49.364 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

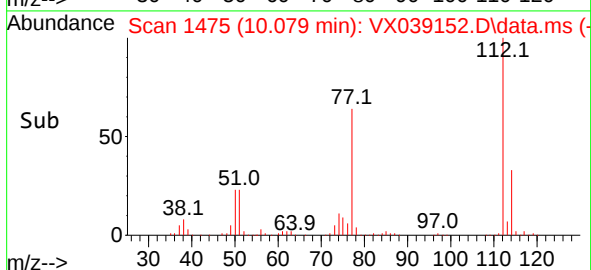
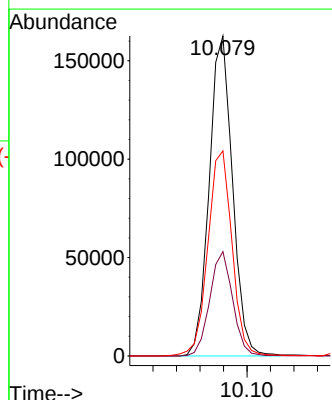
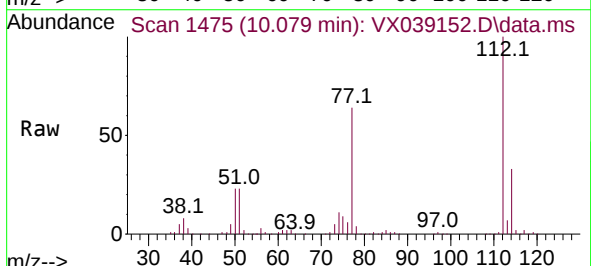
Tgt Ion:112 Resp: 224320

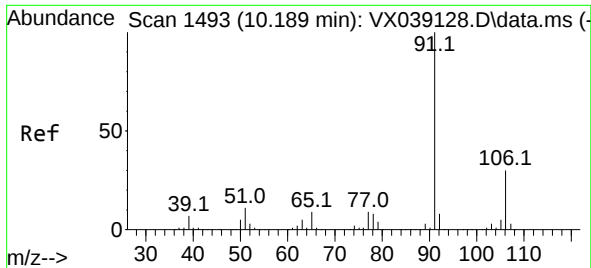
Ion Ratio Lower Upper

112 100

114 32.6 21.8 40.4

77 64.1 49.0 73.6





#52

Ethylbenzene

Concen: 49.164 ug/L

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

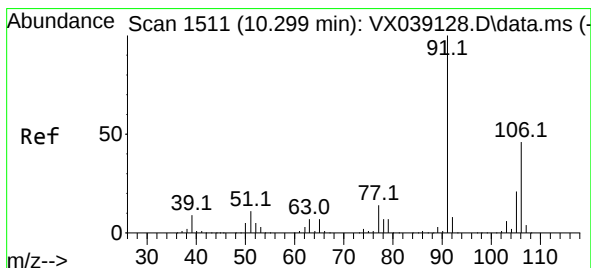
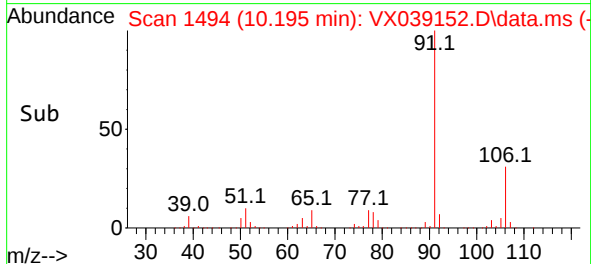
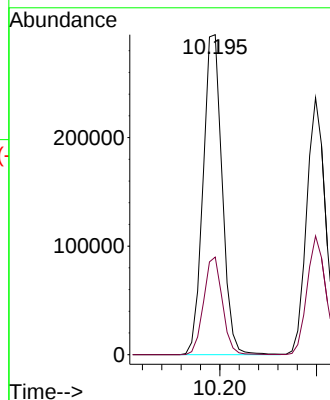
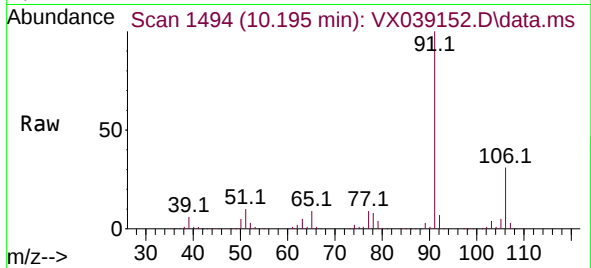
VSTD050702

Tgt Ion: 91 Resp: 404351

Ion Ratio Lower Upper

91 100

106 30.5 21.2 39.4



#53

m,p-Xylene

Concen: 47.668 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX039152.D

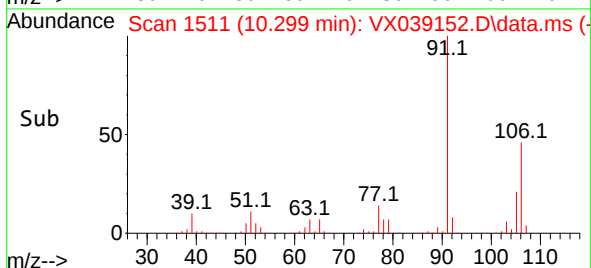
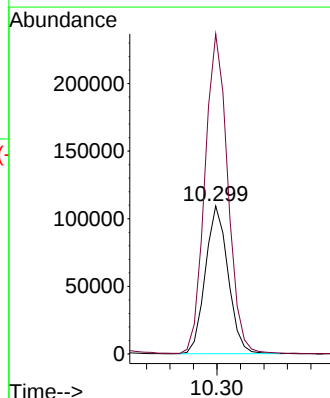
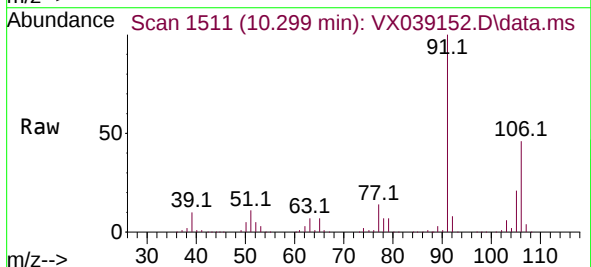
Acq: 11 Dec 2023 18:25

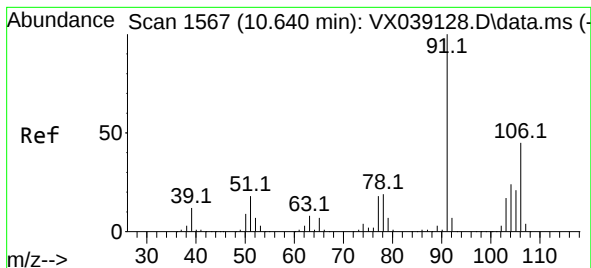
Tgt Ion:106 Resp: 146581

Ion Ratio Lower Upper

106 100

91 216.3 149.0 276.8





#54

o-Xylene

Concen: 49.355 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

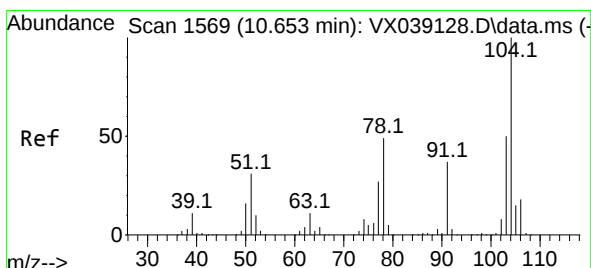
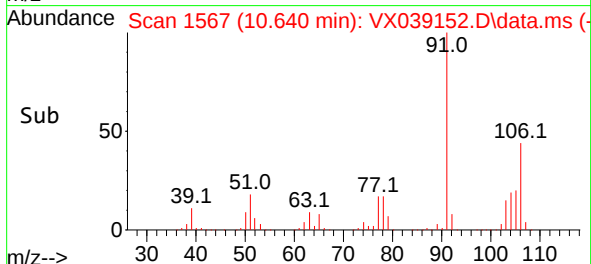
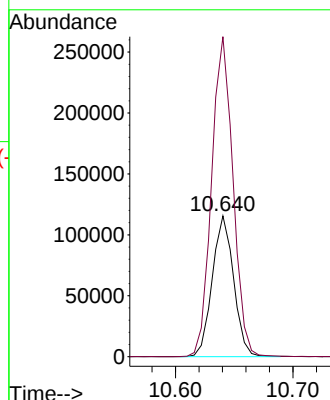
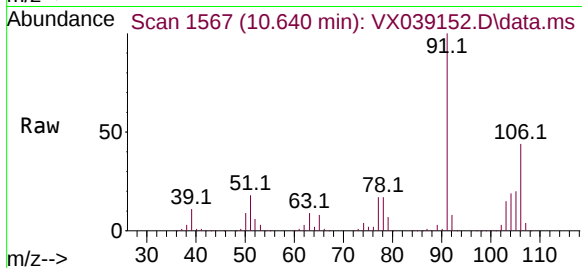
VSTD050702

Tgt Ion:106 Resp: 145628

Ion Ratio Lower Upper

106 100

91 227.3 156.2 290.0



#55

Styrene

Concen: 50.198 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX039152.D

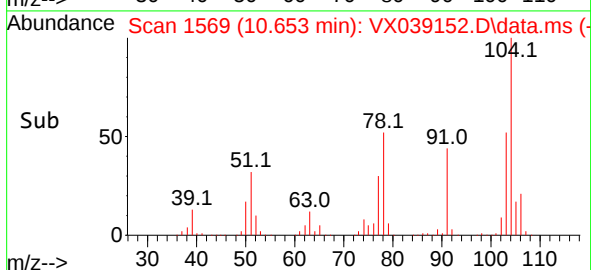
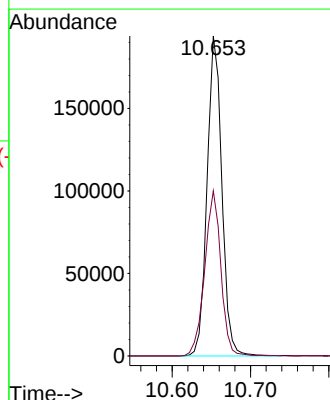
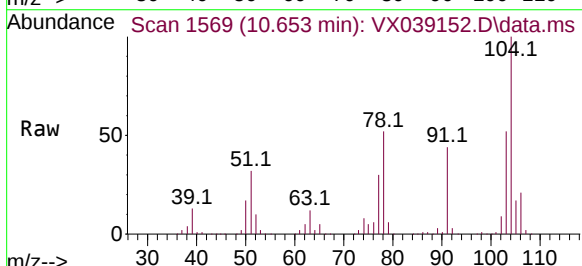
Acq: 11 Dec 2023 18:25

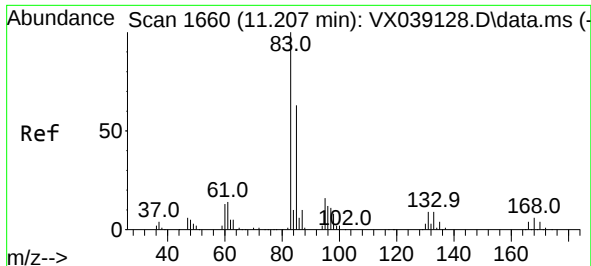
Tgt Ion:104 Resp: 253431

Ion Ratio Lower Upper

104 100

78 51.6 33.5 62.1





#57

1,1,2,2-Tetrachloroethane

Concen: 52.915 ug/L

RT: 11.207 min Scan# 1660

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

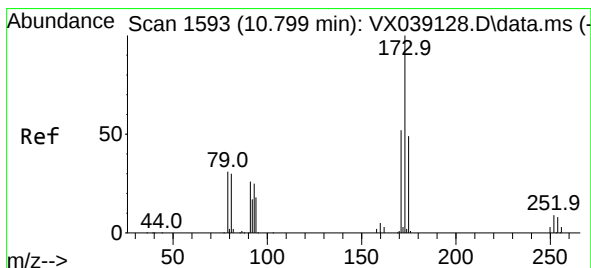
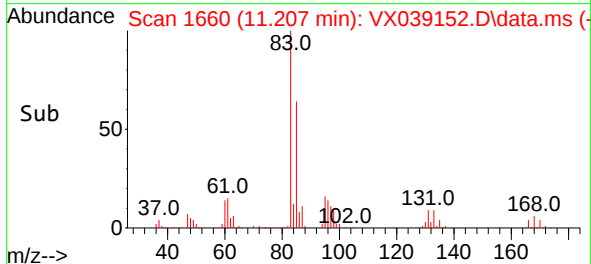
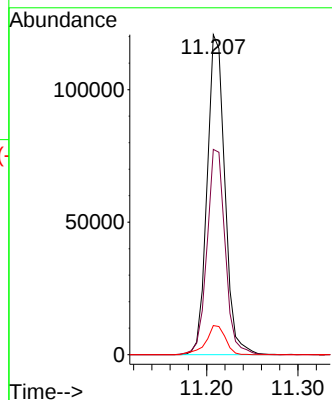
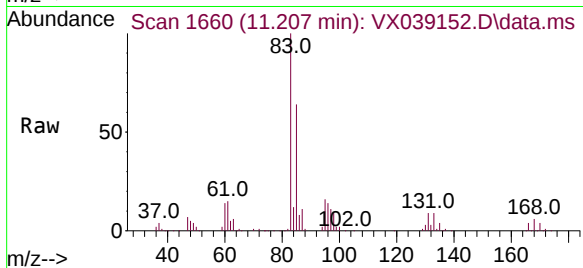
Tgt Ion: 83 Resp: 162830

Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

131 9.1 7.2 10.8



#59

Bromoform

Concen: 53.120 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

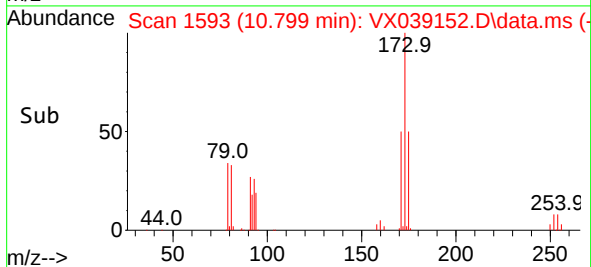
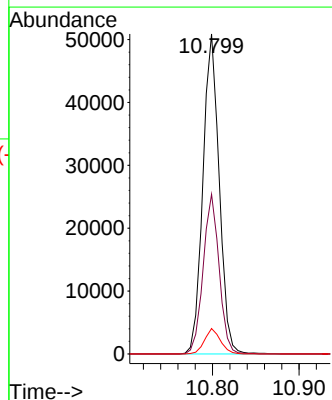
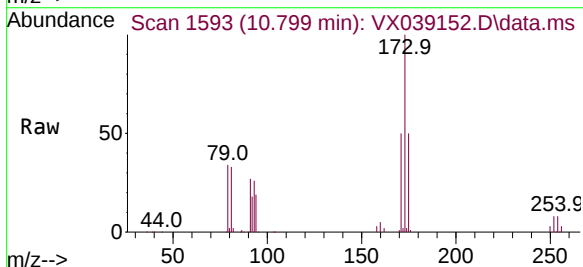
Tgt Ion: 173 Resp: 66501

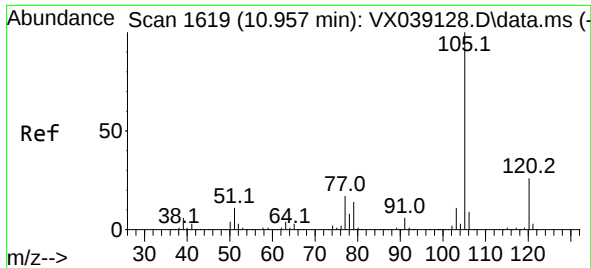
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 7.8 6.2 9.2

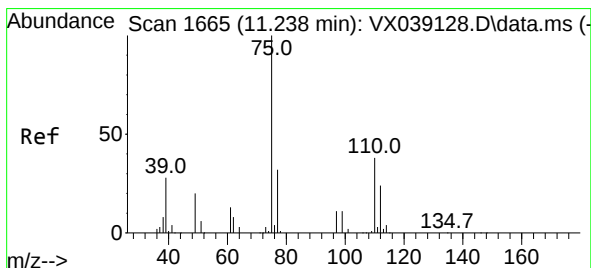
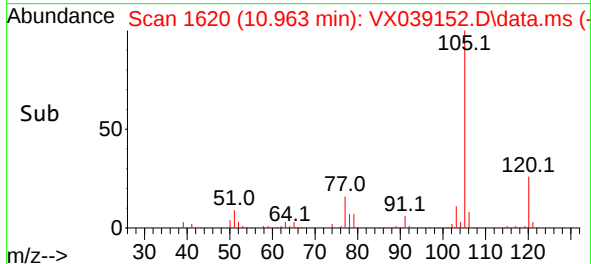
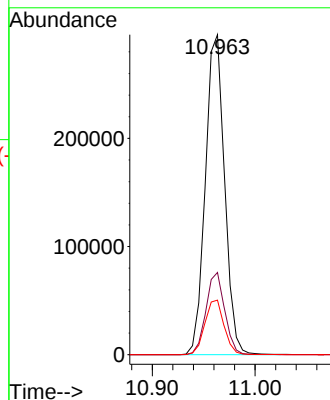
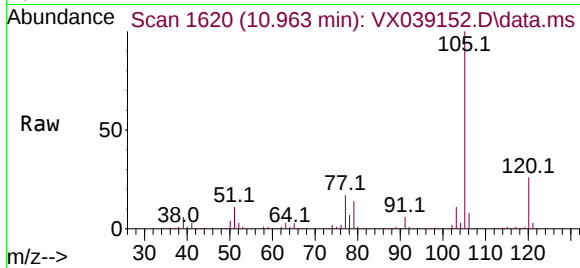




#60
Isopropylbenzene
Concen: 49.456 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

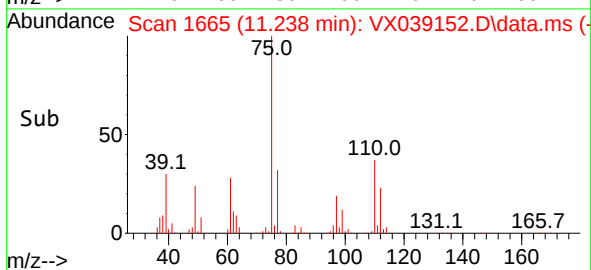
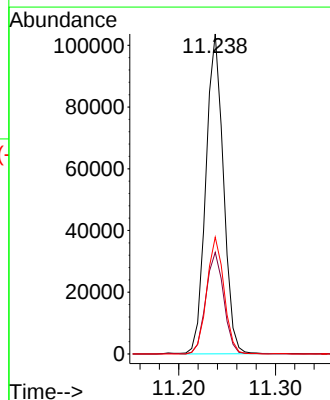
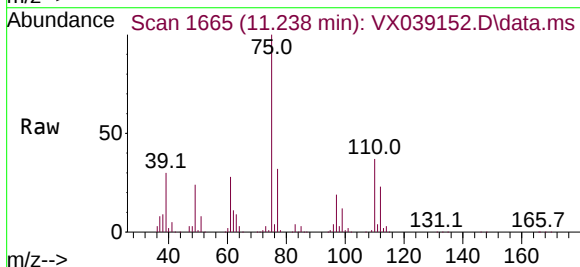
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

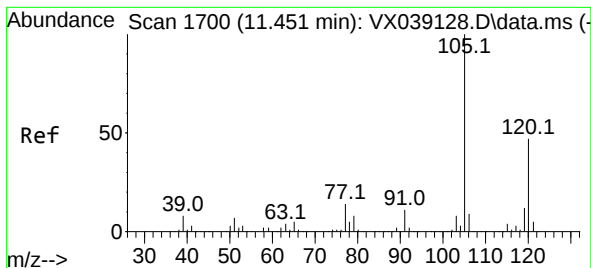
Tgt Ion:105 Resp: 384944
Ion Ratio Lower Upper
105 100
120 25.2 20.5 30.7
77 17.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 56.136 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 75 Resp: 130990
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6
110 35.9 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 50.194 ug/L

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

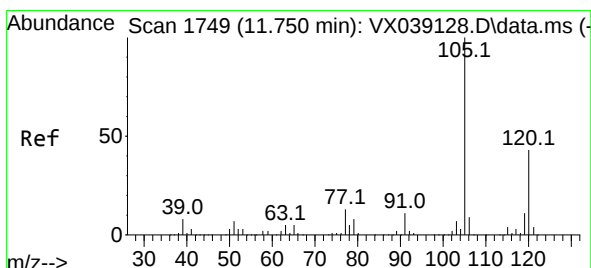
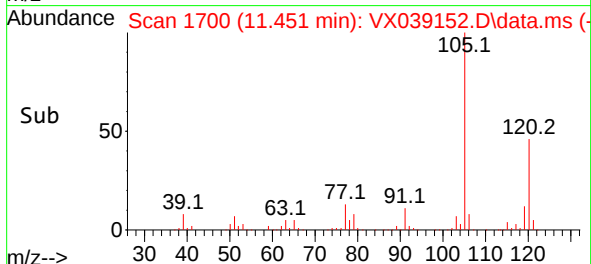
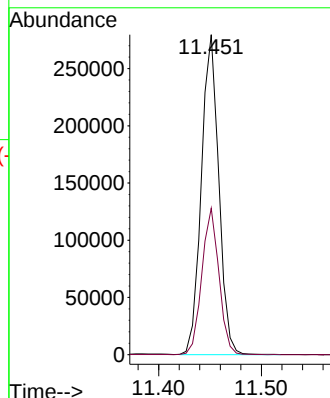
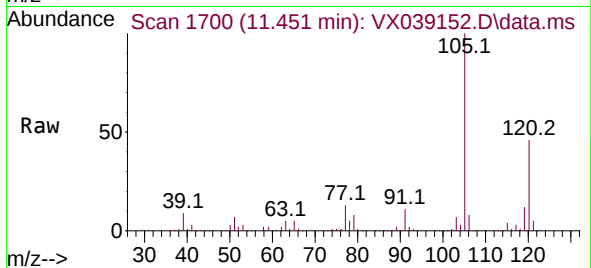
VSTD050702

Tgt Ion:105 Resp: 329836

Ion Ratio Lower Upper

105 100

120 45.0 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 50.408 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039152.D

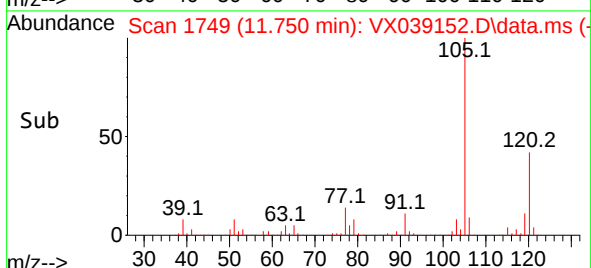
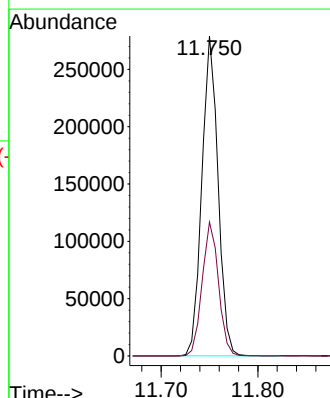
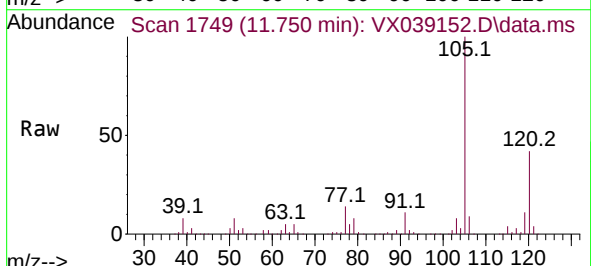
Acq: 11 Dec 2023 18:25

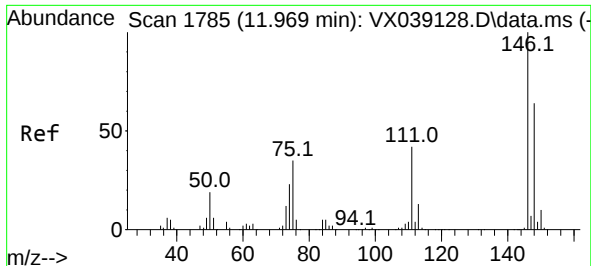
Tgt Ion:105 Resp: 324800

Ion Ratio Lower Upper

105 100

120 42.4 34.9 52.3

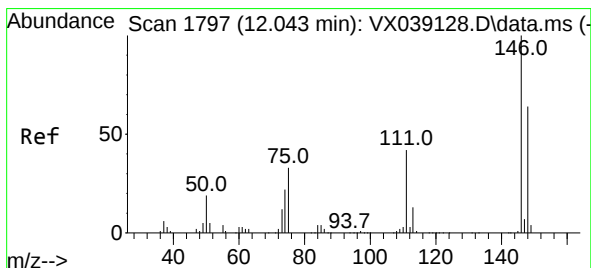
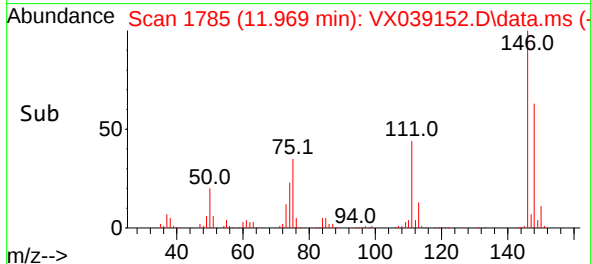
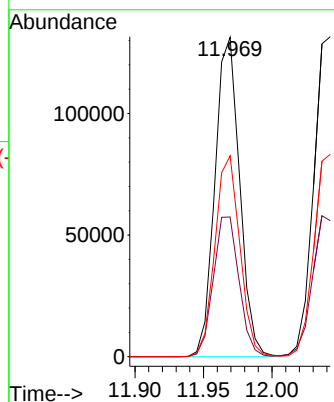
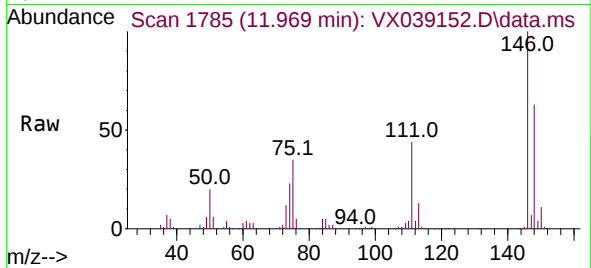




#64
1,3-Dichlorobenzene
Concen: 49.329 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

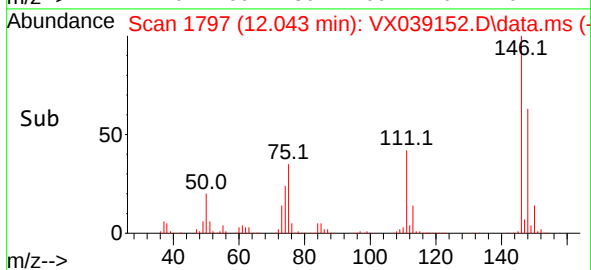
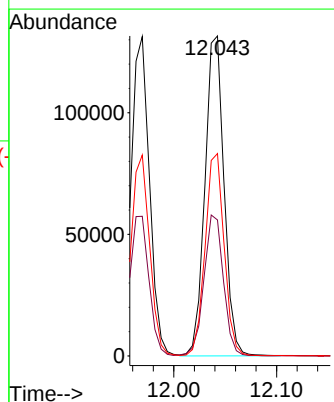
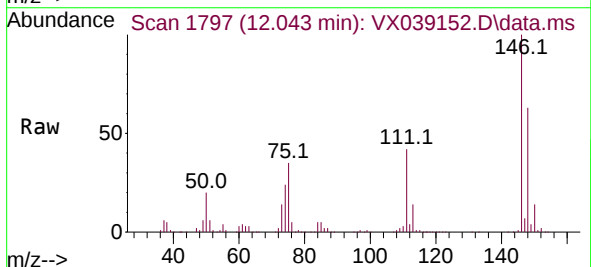
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

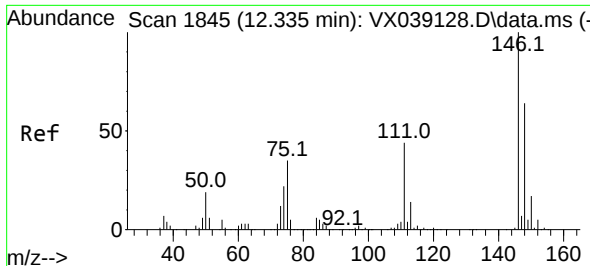
Tgt Ion:146 Resp: 164338
Ion Ratio Lower Upper
146 100
111 43.7 30.0 55.6
148 62.9 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 50.467 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion:146 Resp: 170371
Ion Ratio Lower Upper
146 100
111 42.5 29.7 55.1
148 63.2 45.8 85.2

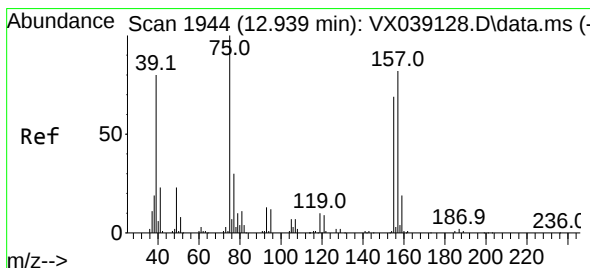
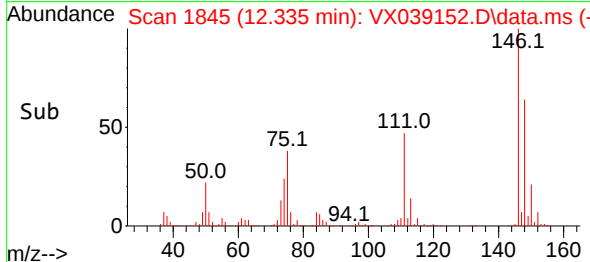
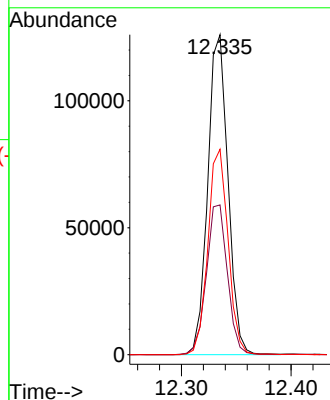
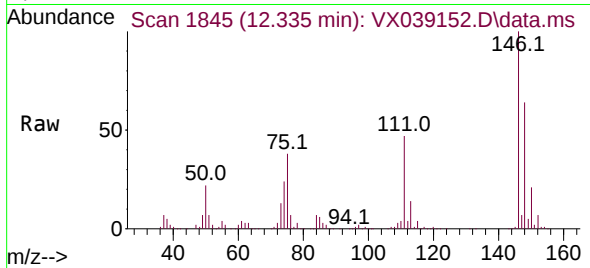




#67
1,2-Dichlorobenzene
Concen: 50.779 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

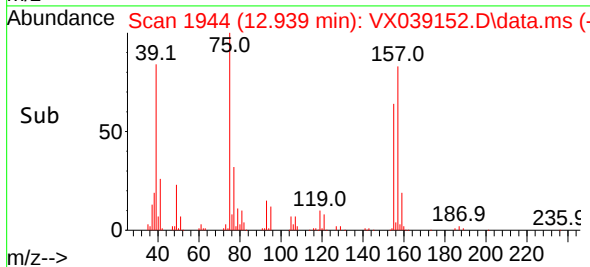
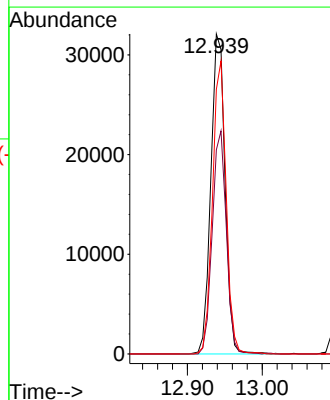
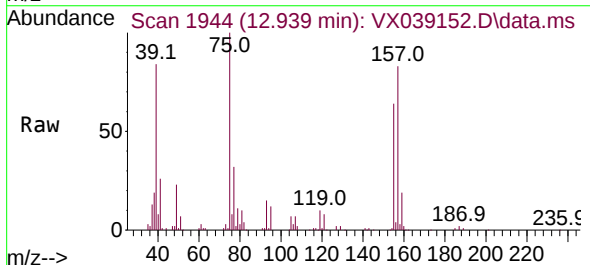
Instrument :
MSVOA_X
ClientSampleId :
VSTD050702

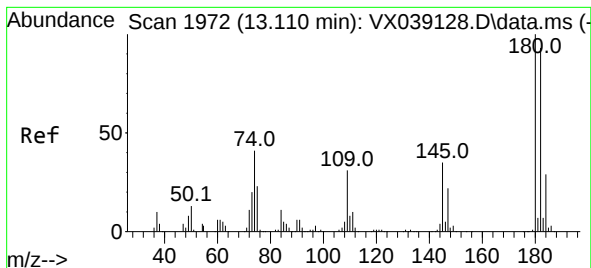
Tgt Ion:146 Resp: 161824
Ion Ratio Lower Upper
146 100
111 46.8 36.4 54.6
148 64.2 50.0 75.0



#68
1,2-Dibromo-3-chloropropane
Concen: 58.382 ug/L
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX039152.D
Acq: 11 Dec 2023 18:25

Tgt Ion: 75 Resp: 42517
Ion Ratio Lower Upper
75 100
155 63.8 52.3 78.5
157 82.7 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 48.580 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

Tgt Ion:180 Resp: 107032

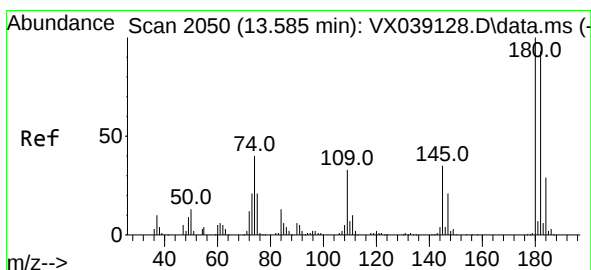
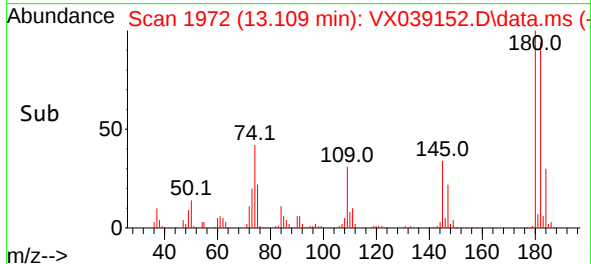
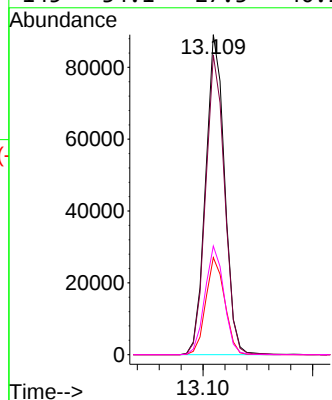
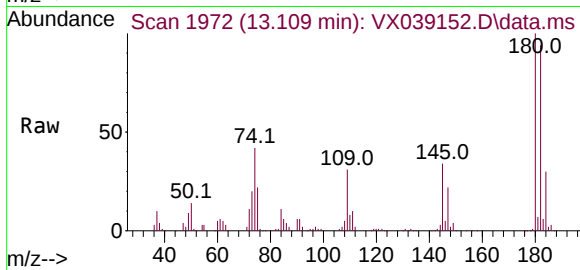
Ion Ratio Lower Upper

180 100

182 93.3 76.1 114.1

184 30.2 24.1 36.1

145 34.1 27.3 40.9



#70

1,2,4-trichlorobenzene

Concen: 51.574 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

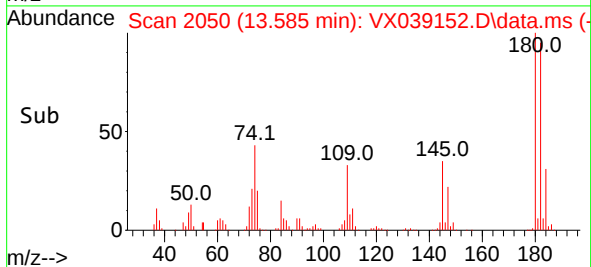
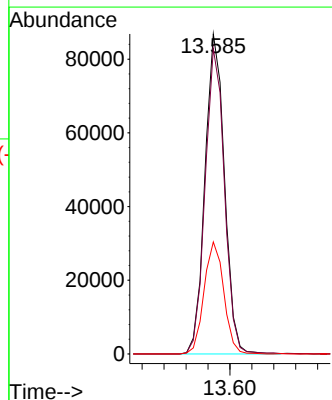
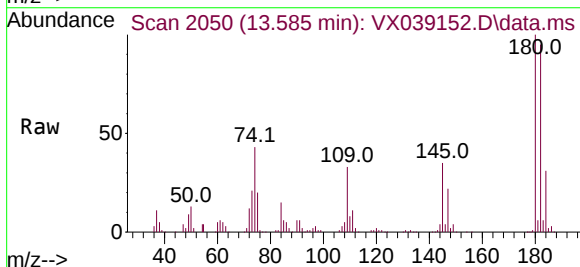
Tgt Ion:180 Resp: 107120

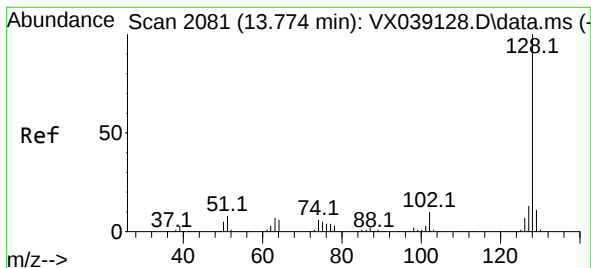
Ion Ratio Lower Upper

180 100

182 94.5 76.8 115.2

145 35.4 27.8 41.6





#71

Naphthalene

Concen: 51.817 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD050702

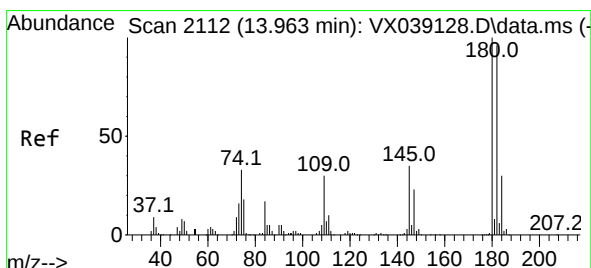
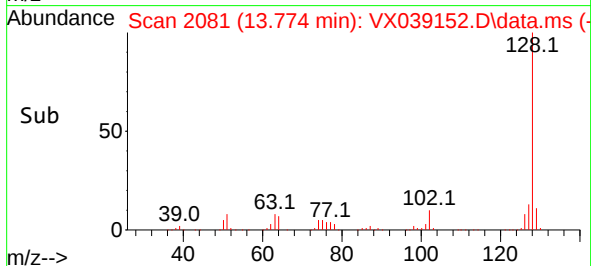
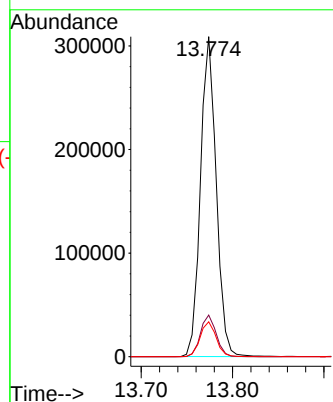
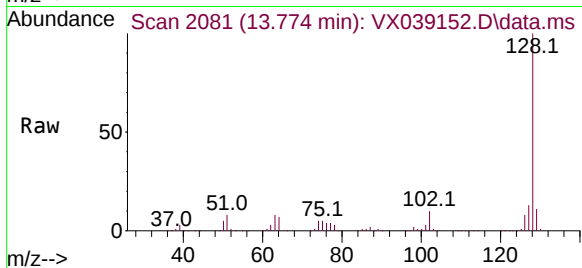
Tgt Ion:128 Resp: 369098

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.259 ug/L

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX039152.D

Acq: 11 Dec 2023 18:25

Tgt Ion:180 Resp: 101076

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 37.4 28.6 42.8

