

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081623\
 Data File : VW031817.D
 Acq On : 16 Aug 2023 12:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 17 01:50:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 16 02:07:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	407099	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	425366	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	257084	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	158312	38.146	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.300%
7) Chloroethane-d5	1.529	69	151279	39.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.560%
11) 1,1-Dichloroethene-d2	2.060	65	66201	34.461	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.920%
21) 2-Butanone-d5	3.793	46	268996	93.671	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.670%
24) Chloroform-d	4.252	84	373977	43.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.660%
26) 1,2-Dichloroethane-d4	4.947	65	235774	44.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.820%
32) Benzene-d6	4.966	84	685408	50.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.780%
36) 1,2-Dichloropropane-d6	5.995	67	234152	46.278	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.560%
41) Toluene-d8	7.249	98	642266	56.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.780%
43) trans-1,3-Dichloroprop...	7.558	79	107331	49.352	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.700%
47) 2-Hexanone-d5	8.030	63	193905	102.197	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.200%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	312173	44.779	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.560%
66) 1,2-Dichlorobenzene-d4	11.564	152	251498	48.317	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	209258	41.592	ug/L	100
3) Chloromethane	1.217	50	212815	44.474	ug/L	97
5) Vinyl chloride	1.281	62	223908	46.193	ug/L	99
6) Bromomethane	1.484	94	148462	44.437	ug/L	100
8) Chloroethane	1.548	64	145703	45.038	ug/L	98
9) Trichlorofluoromethane	1.712	101	353009	43.201	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	190709	40.403	ug/L	99
12) 1,1-Dichloroethene	2.072	96	152409	38.850	ug/L	89
13) Acetone	2.111	43	190666	69.365	ug/L	98
14) Carbon disulfide	2.240	76	340823	35.342	ug/L	100
15) Methyl Acetate	2.375	43	237136	49.541	ug/L	98
16) Methylene chloride	2.449	84	207559	47.093	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	169030	48.435	ug/L	94
18) Methyl tert-butyl Ether	2.709	73	614530	53.528	ug/L	99
19) 1,1-Dichloroethane	3.114	63	380478	47.098	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	196426	49.840	ug/L	95
22) 2-Butanone	3.873	43	326099	104.304	ug/L	96
23) Bromochloromethane	4.153	128	106359	48.740	ug/L	93
25) Chloroform	4.281	83	404532	47.274	ug/L	98

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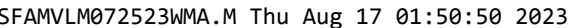
Instrument :
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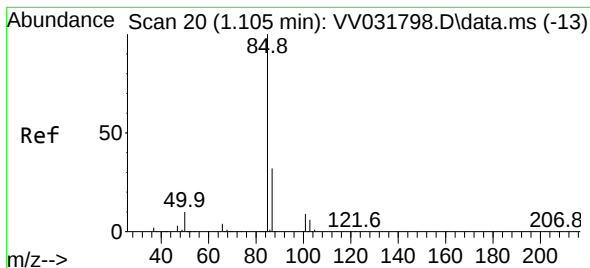
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	302356	47.509	ug/L	98
29) Cyclohexane	4.587	56	277874	53.054	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	347816	47.601	ug/L	98
31) Carbon tetrachloride	4.741	117	303424	47.559	ug/L	99
33) Benzene	5.014	78	767686	51.311	ug/L	100
34) Trichloroethene	5.838	95	231781	49.093	ug/L	99
35) Methylcyclohexane	6.056	83	286106	54.481	ug/L	98
37) 1,2-Dichloropropane	6.098	63	222265	50.009	ug/L	99
38) Bromodichloromethane	6.436	83	308404	48.645	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	312040	49.455	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	623751	110.192	ug/L	99
42) Toluene	7.320	91	837900	54.530	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	337422	53.588	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	222413	49.594	ug/L	97
46) Tetrachloroethene	7.911	164	160221	53.709	ug/L	96
48) 2-Hexanone	8.079	43	506368	112.150	ug/L	97
49) Dibromochloromethane	8.181	129	241191	50.965	ug/L	98
50) 1,2-Dibromoethane	8.288	107	234945	49.728	ug/L	96
51) Chlorobenzene	8.818	112	528270	51.453	ug/L	99
52) Ethylbenzene	8.950	91	903131	54.237	ug/L	97
53) m,p-Xylene	9.079	106	336109	55.972	ug/L	95
54) o-Xylene	9.484	106	320652	55.715	ug/L	97
55) Styrene	9.500	104	602277	57.287	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	313336	50.386	ug/L	99
59) Bromoform	9.670	173	178009	50.501	ug/L #	96
60) Isopropylbenzene	9.873	105	892906	55.652	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	295394	48.986	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	729879	56.223	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	741037	56.388	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	446533	53.241	ug/L	96
65) 1,4-Dichlorobenzene	11.214	146	470022	52.718	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	453282	52.490	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	81623	48.666	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	332067	54.286	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	294746	53.859	ug/L	99
71) Naphthalene	13.445	128	930126	58.962	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	318909	55.748	ug/L	99

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

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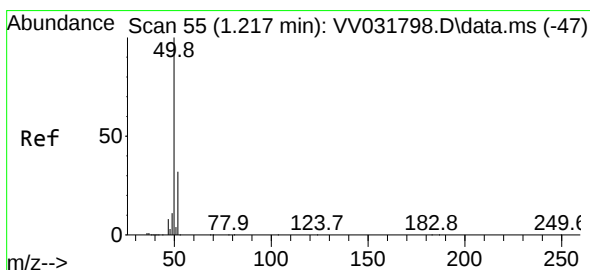
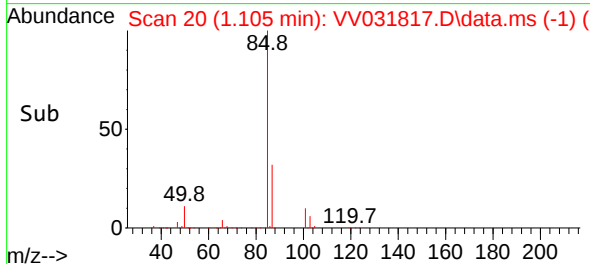
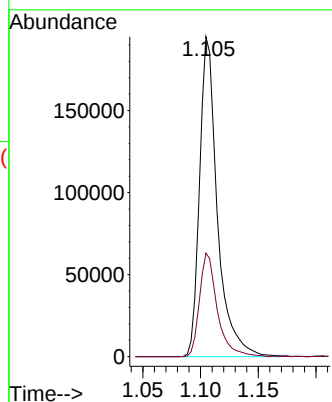
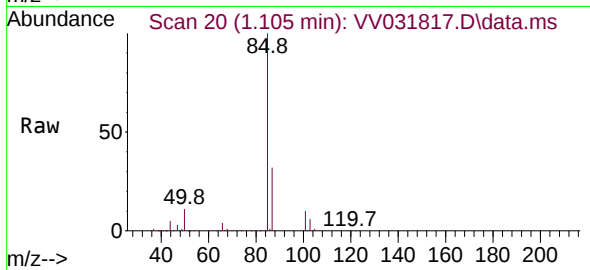




#2
Dichlorodifluoromethane
Concen: 41.592 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

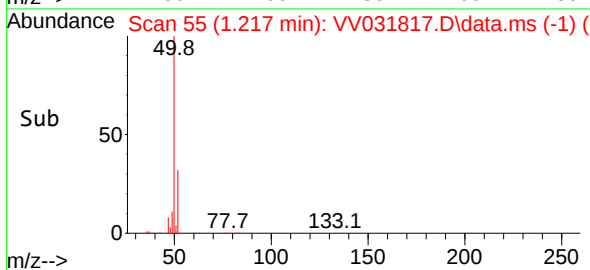
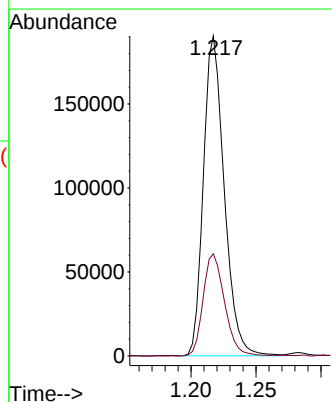
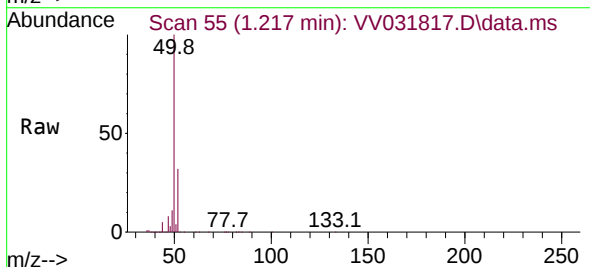
Instrument :
MSVOA_V
ClientSampleId :

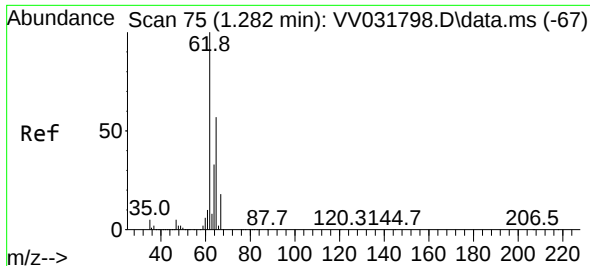
Tgt Ion: 85 Resp: 209258
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.6



#3
Chloromethane
Concen: 44.474 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 50 Resp: 212815
Ion Ratio Lower Upper
50 100
52 32.0 23.7 44.1



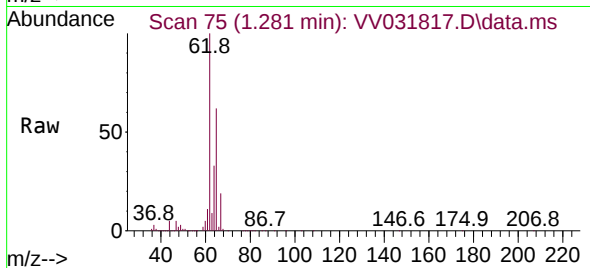


#5
 Vinyl chloride
 Concen: 46.193 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031817.D
 Acq: 16 Aug 2023 12:37

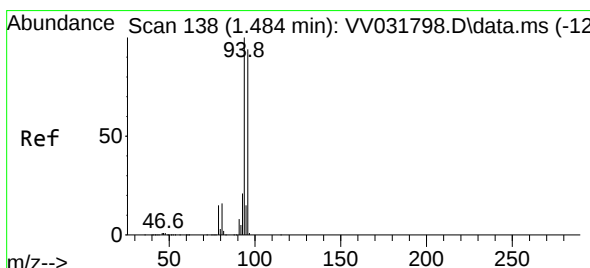
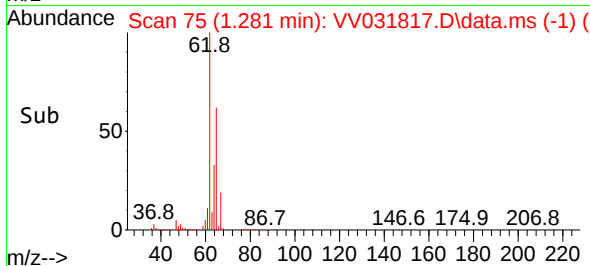
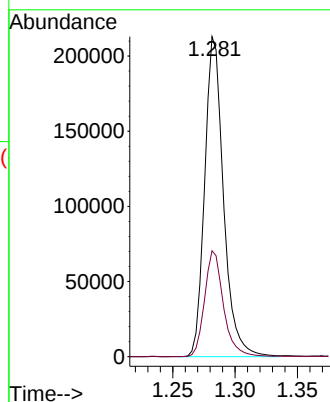
Instrument :

MSVOA_V

ClientSampleId :

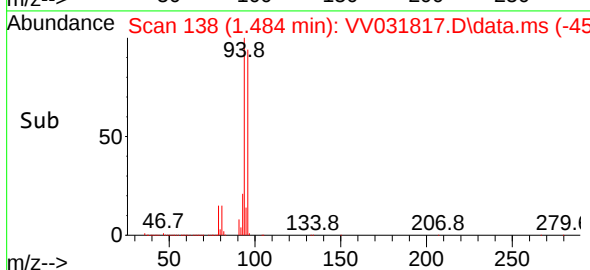
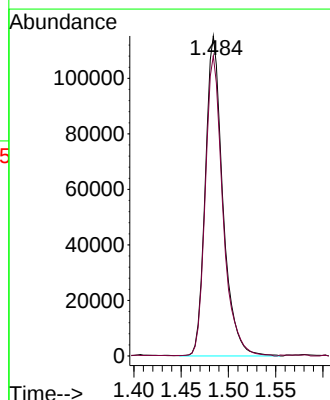
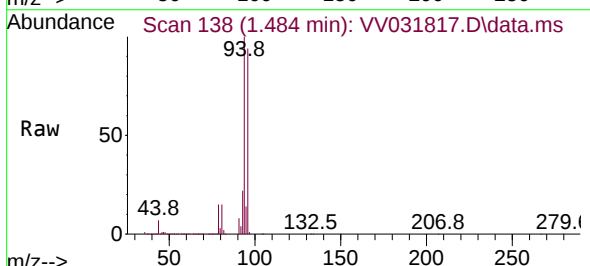


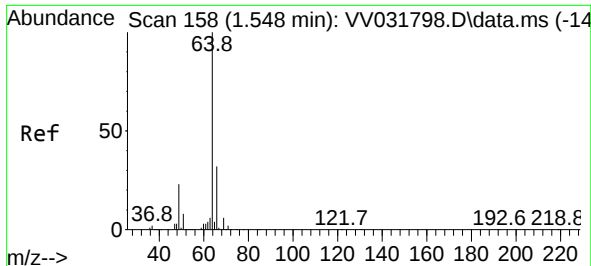
Tgt Ion: 62 Resp: 223908
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.9 42.5



#6
 Bromomethane
 Concen: 44.437 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV031817.D
 Acq: 16 Aug 2023 12:37

Tgt Ion: 94 Resp: 148462
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.7 121.9

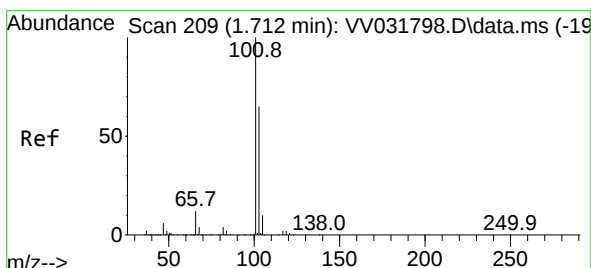
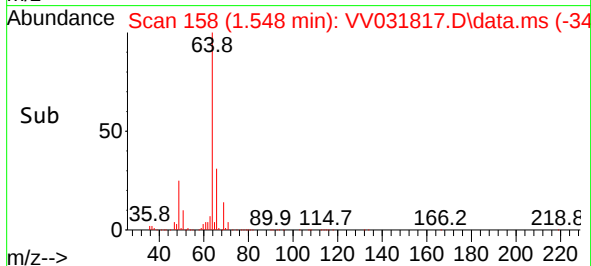
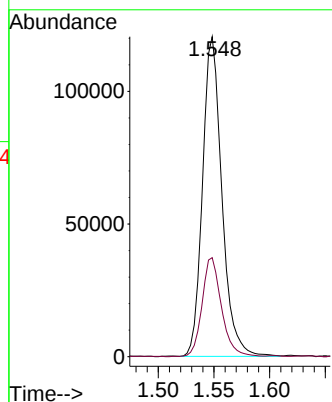
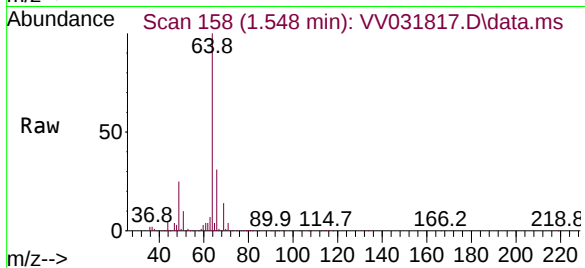




#8
Chloroethane
Concen: 45.038 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

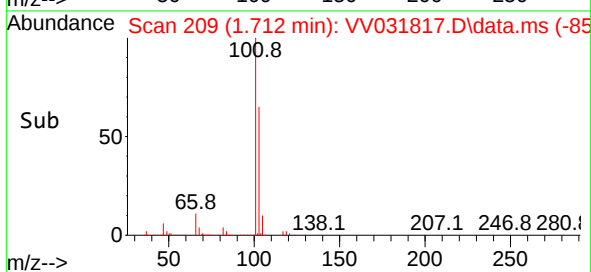
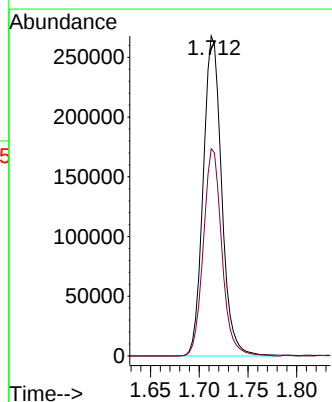
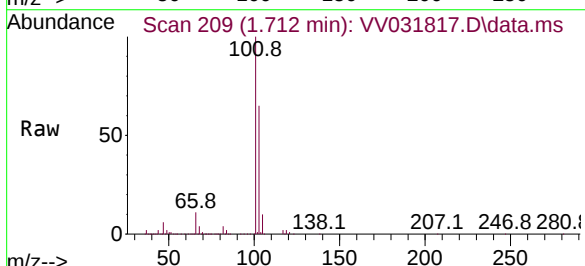
Instrument :
MSVOA_V
ClientSampleId :

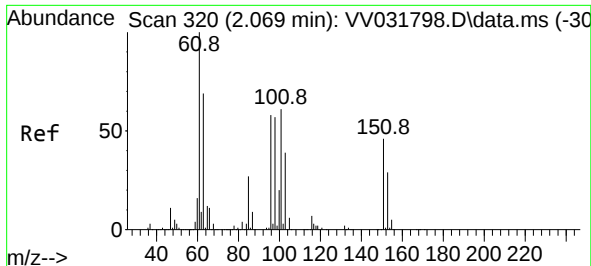
Tgt Ion: 64 Resp: 145703
Ion Ratio Lower Upper
64 100
66 31.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 43.201 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 101 Resp: 353009
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5





#10

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

Concen: 40.403 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

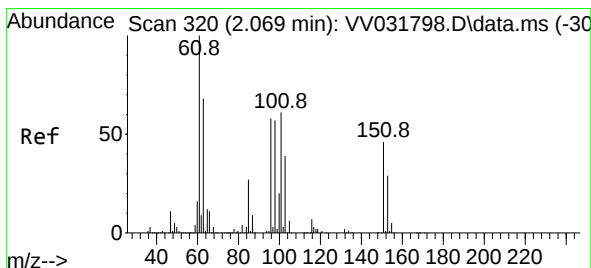
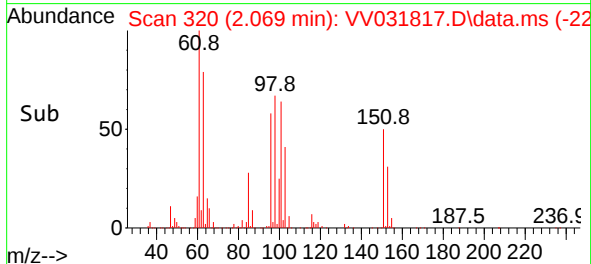
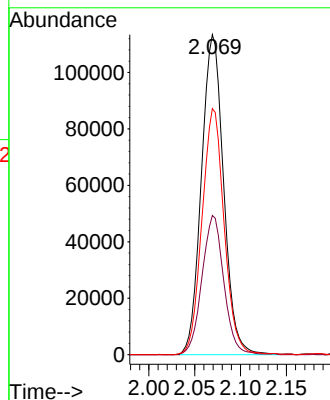
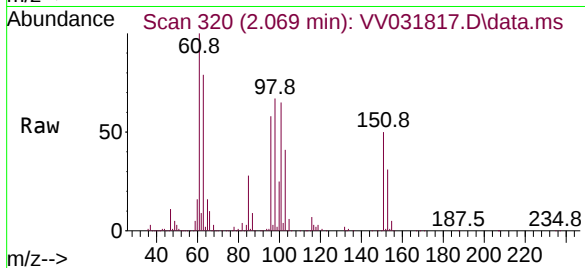
Tgt Ion:101 Resp: 190709

Ion Ratio Lower Upper

101 100

85 42.9 33.9 50.9

151 76.7 61.0 91.6



#12

1,1-Dichloroethene

Concen: 38.850 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

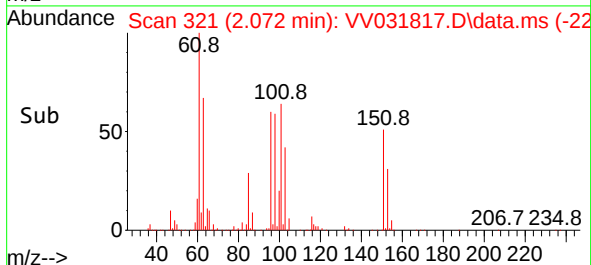
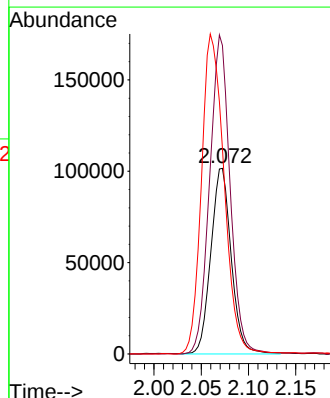
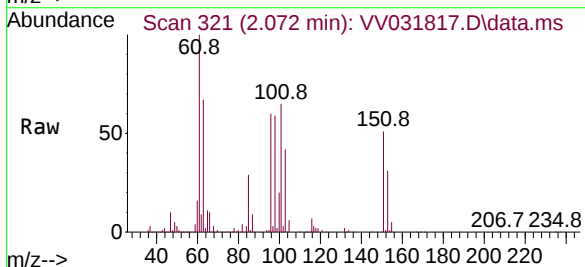
Tgt Ion: 96 Resp: 152409

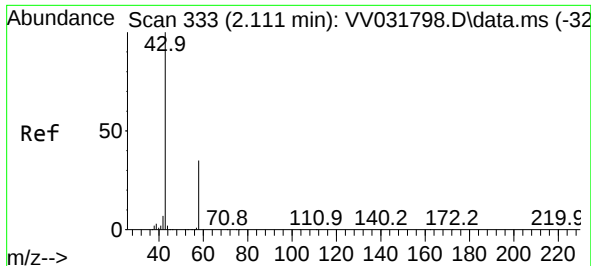
Ion Ratio Lower Upper

96 100

61 166.2 118.3 219.7

63 110.8 96.8 179.8





#13

Acetone

Concen: 69.365 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

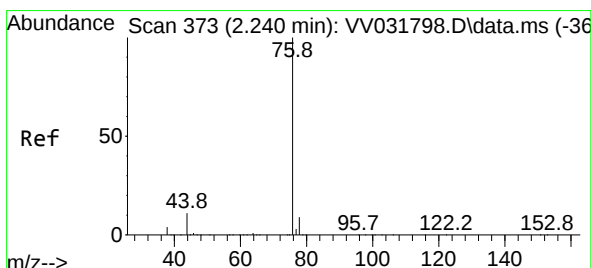
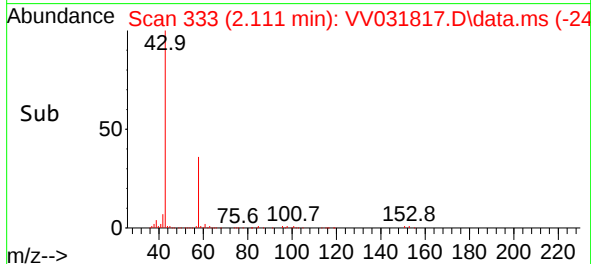
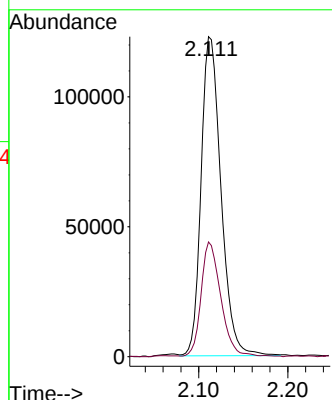
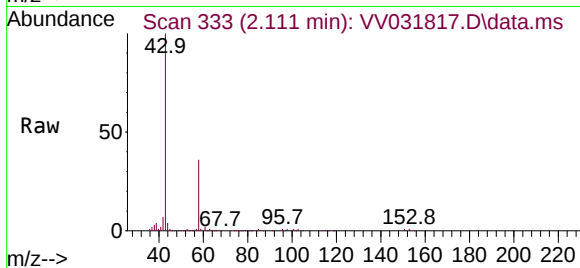
ClientSampleId :

Tgt Ion: 43 Resp: 190666

Ion Ratio Lower Upper

43 100

58 35.1 0.0 72.0



#14

Carbon disulfide

Concen: 35.342 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031817.D

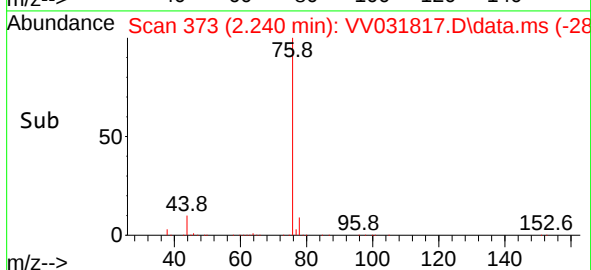
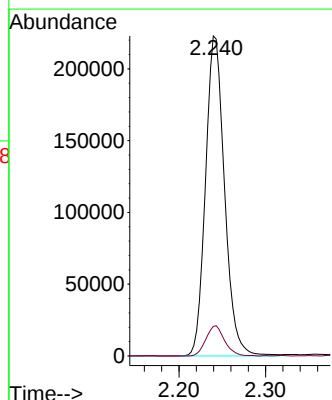
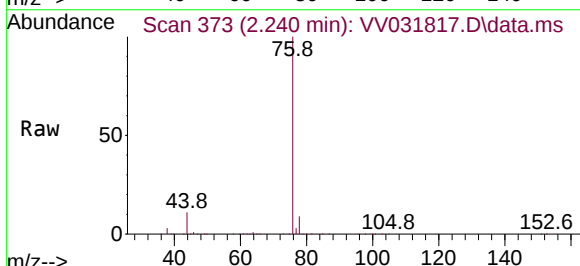
Acq: 16 Aug 2023 12:37

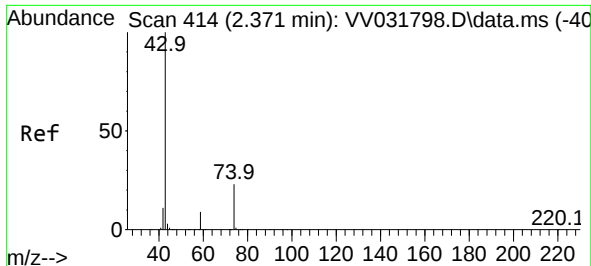
Tgt Ion: 76 Resp: 340823

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

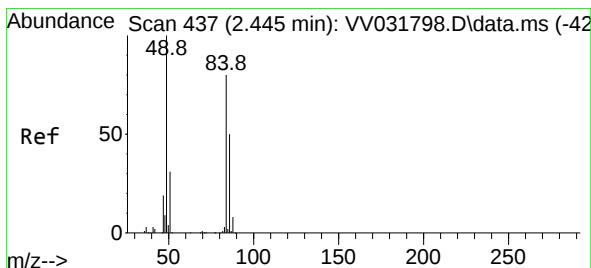
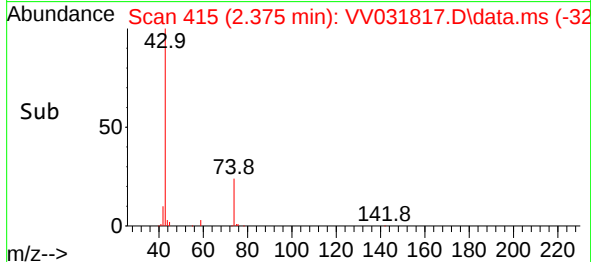
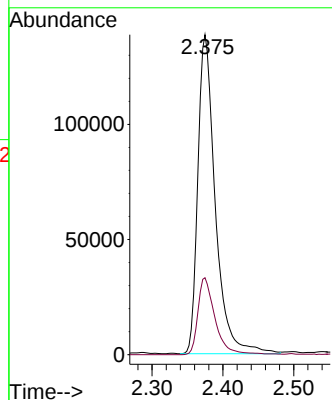
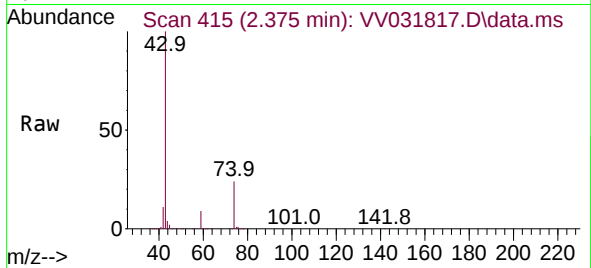




#15
Methyl Acetate
Concen: 49.541 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

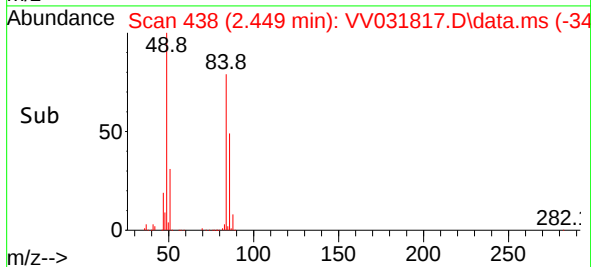
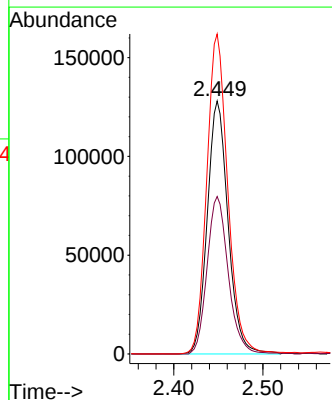
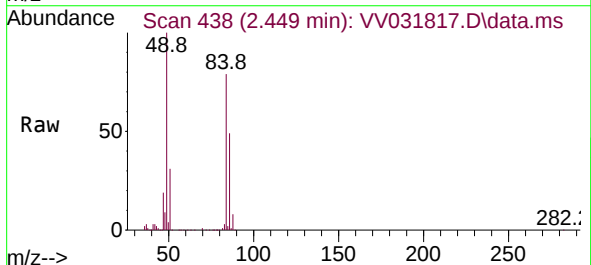
Instrument :
MSVOA_V
ClientSampleId :

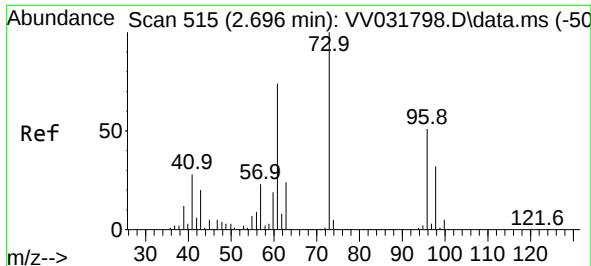
Tgt Ion: 43 Resp: 237136
Ion Ratio Lower Upper
43 100
74 23.6 19.5 29.3



#16
Methylene chloride
Concen: 47.093 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 84 Resp: 207559
Ion Ratio Lower Upper
84 100
86 62.2 44.5 82.7
49 126.5 85.3 158.5

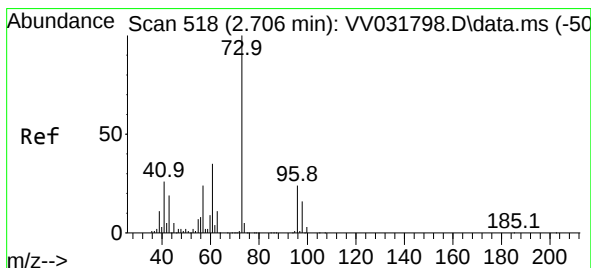
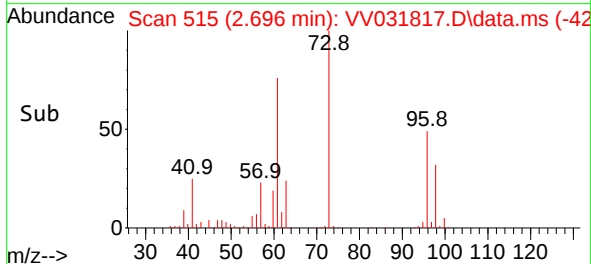
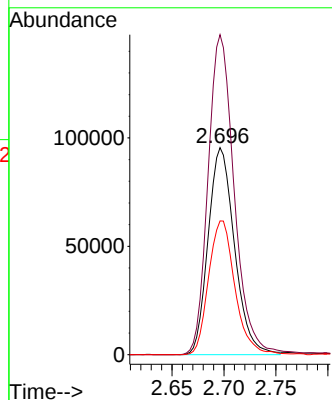
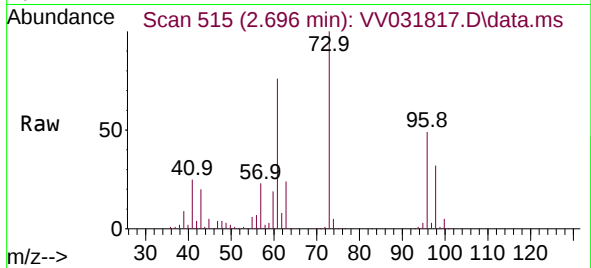




#17
trans-1,2-Dichloroethene
Concen: 48.435 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

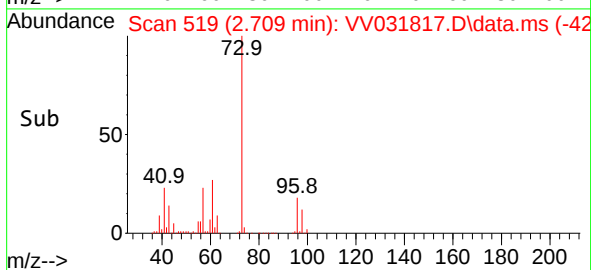
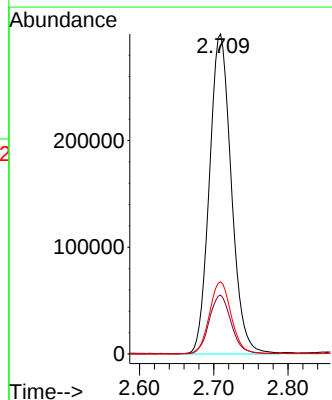
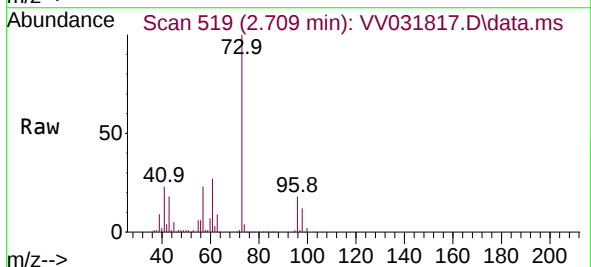
Instrument :
MSVOA_V
ClientSampleId :

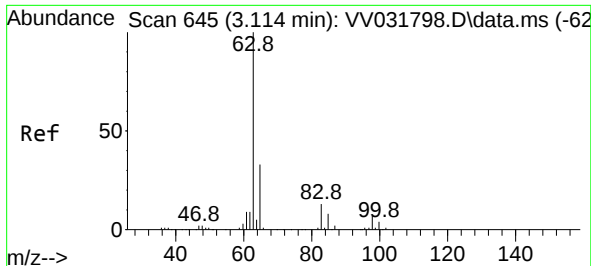
Tgt Ion: 96 Resp: 169030
Ion Ratio Lower Upper
96 100
61 154.6 101.6 188.6
98 64.6 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 53.528 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 73 Resp: 614530
Ion Ratio Lower Upper
73 100
43 18.2 15.0 22.4
57 22.4 18.3 27.5





#19

1,1-Dichloroethane

Concen: 47.098 ug/L

RT: 3.114 min Scan# 645

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

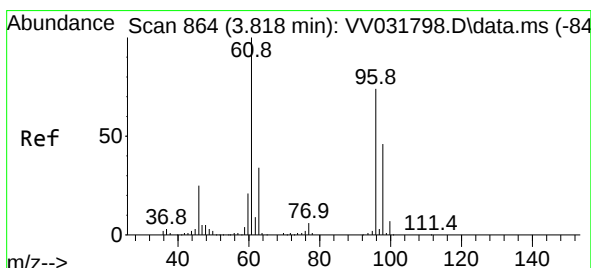
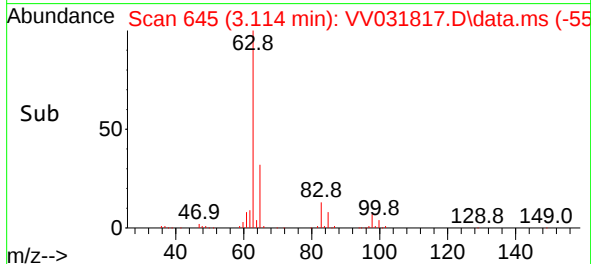
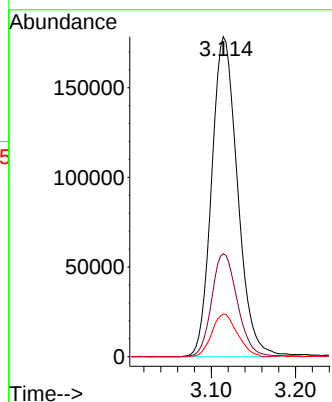
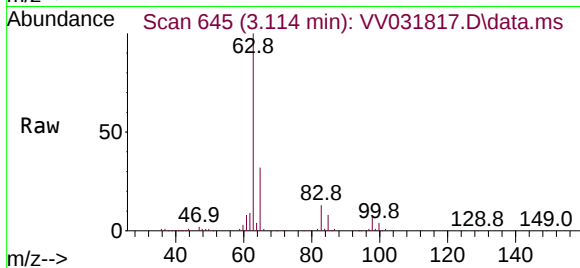
Tgt Ion: 63 Resp: 380478

Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.5

83 13.3 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 49.840 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

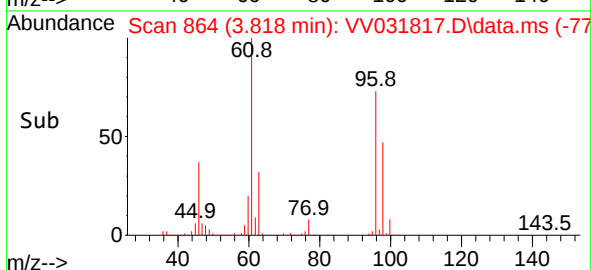
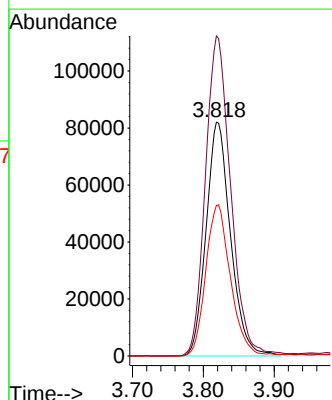
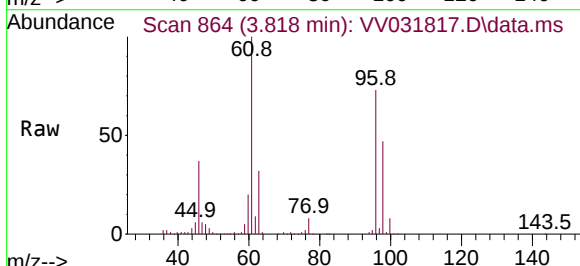
Tgt Ion: 96 Resp: 196426

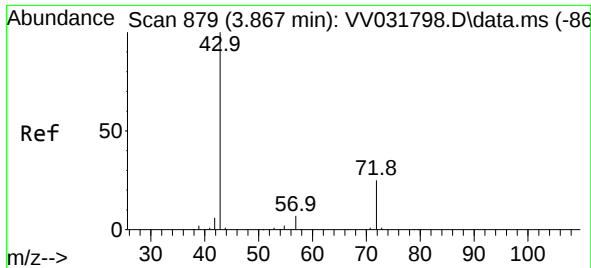
Ion Ratio Lower Upper

96 100

61 136.9 90.6 168.2

98 64.3 43.8 81.3

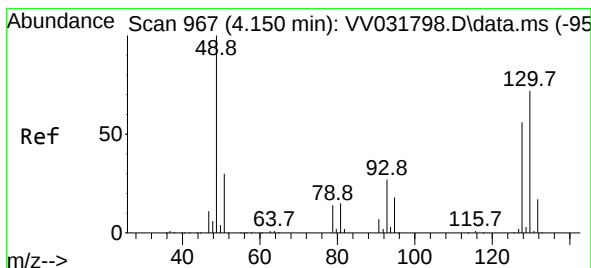
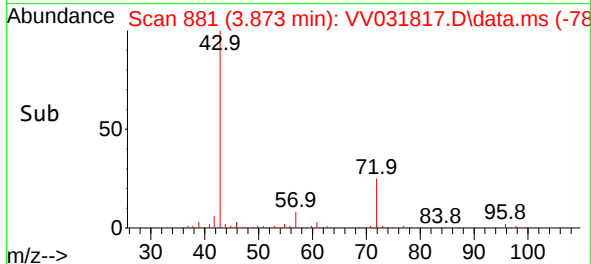
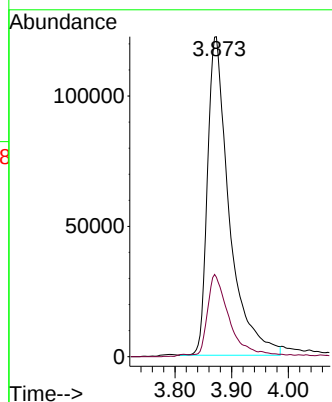
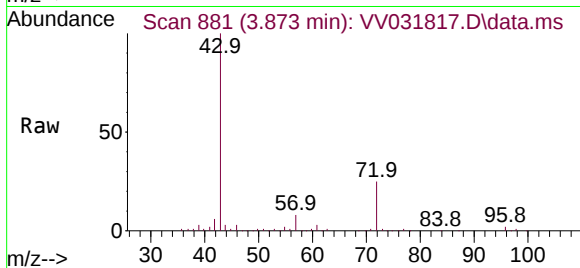




#22
2-Butanone
Concen: 104.304 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.006 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

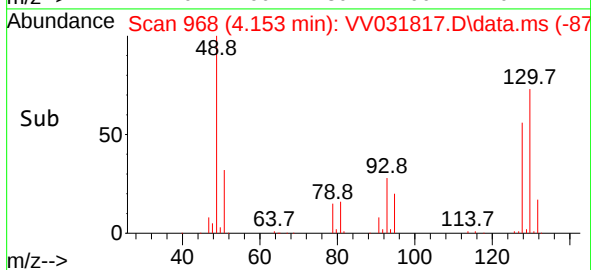
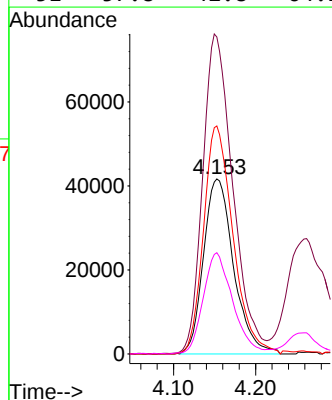
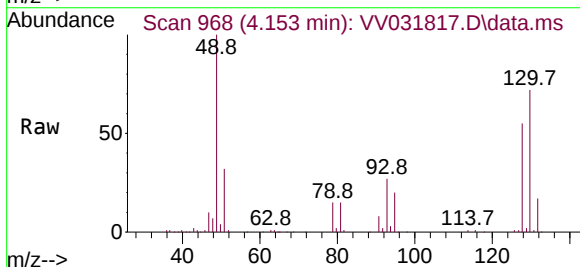
Instrument :
MSVOA_V
ClientSampleId :

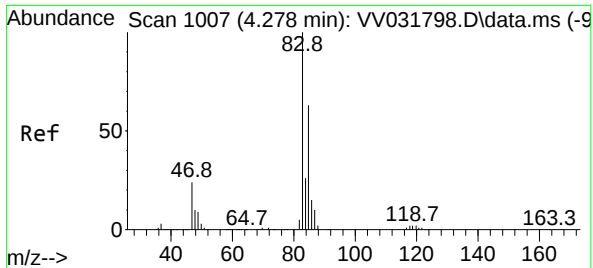
Tgt Ion: 43 Resp: 326099
Ion Ratio Lower Upper
43 100
72 23.4 12.7 38.0



#23
Bromochloromethane
Concen: 48.740 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion:128 Resp: 106359
Ion Ratio Lower Upper
128 100
49 181.1 117.9 218.9
130 132.3 89.1 165.5
51 57.8 42.8 64.2





#25

Chloroform

Concen: 47.274 ug/L

RT: 4.281 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

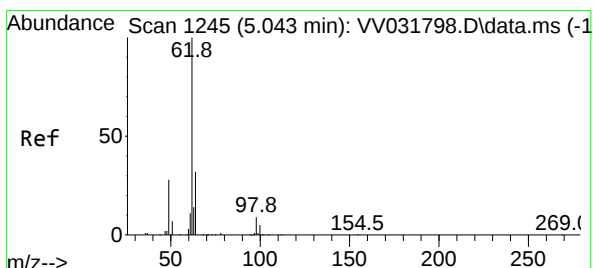
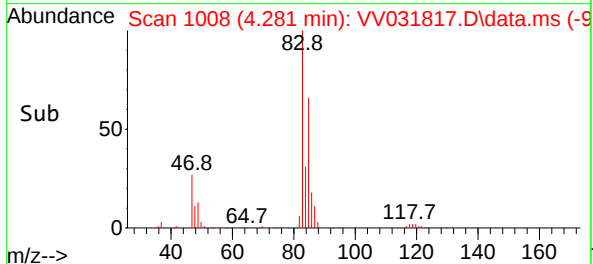
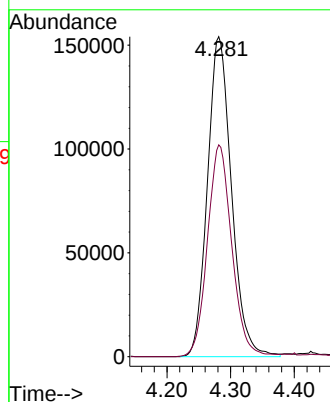
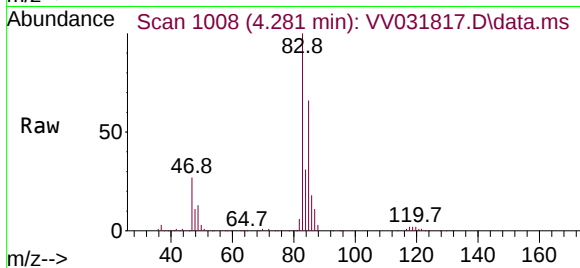
ClientSampleId :

Tgt Ion: 83 Resp: 404532

Ion Ratio Lower Upper

83 100

85 66.2 45.1 83.9



#27

1,2-Dichloroethane

Concen: 47.509 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV031817.D

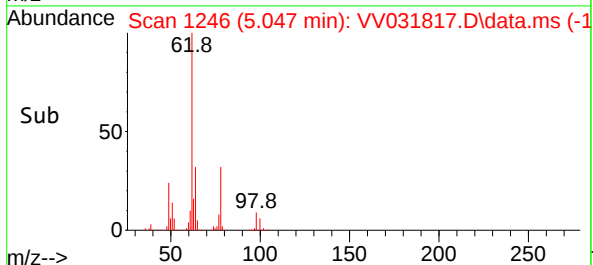
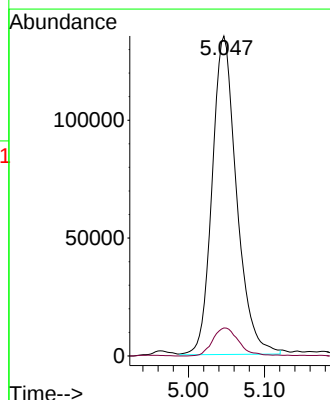
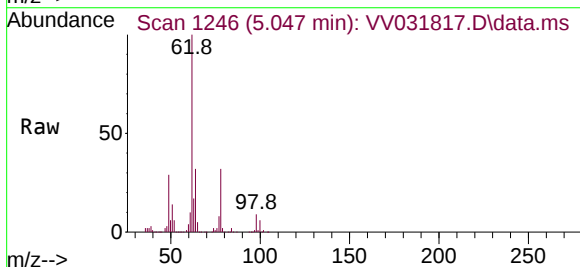
Acq: 16 Aug 2023 12:37

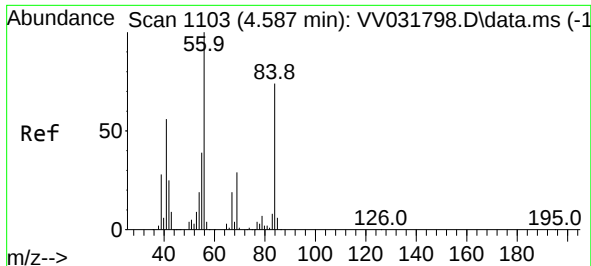
Tgt Ion: 62 Resp: 302356

Ion Ratio Lower Upper

62 100

98 8.8 7.5 11.3





#29

Cyclohexane

Concen: 53.054 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

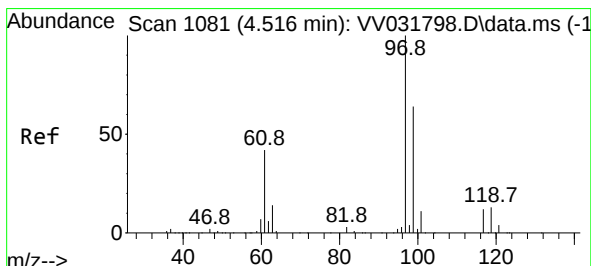
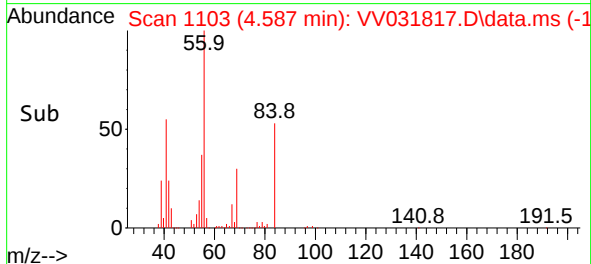
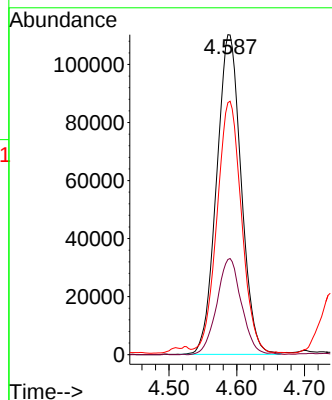
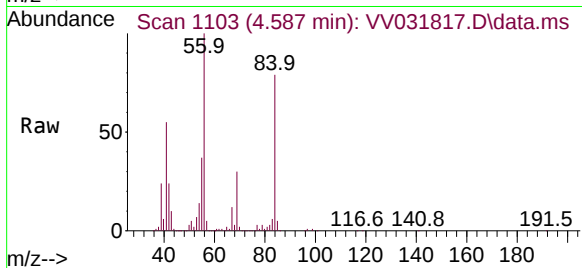
Tgt Ion: 56 Resp: 277874

Ion Ratio Lower Upper

56 100

69 30.0 24.1 36.1

84 78.2 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 47.601 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

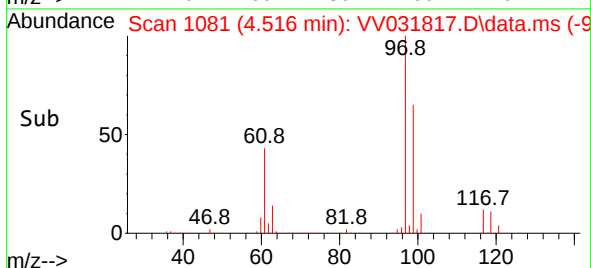
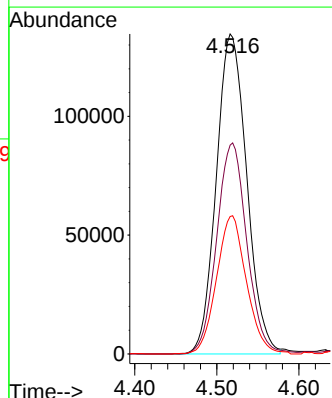
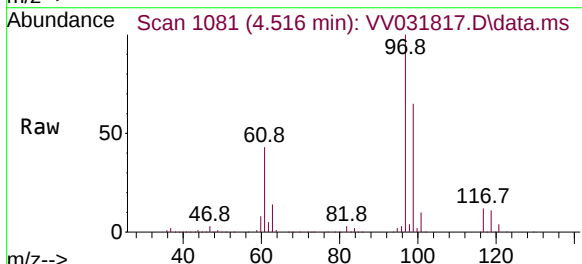
Tgt Ion: 97 Resp: 347816

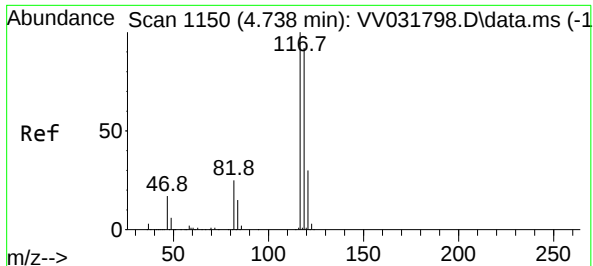
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

61 42.4 32.2 48.2

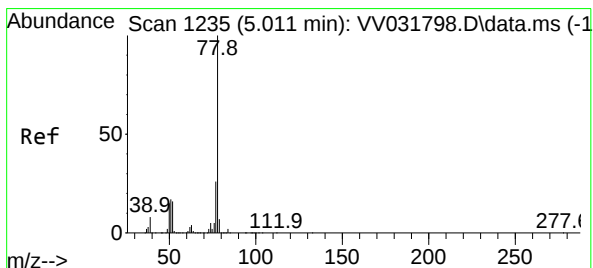
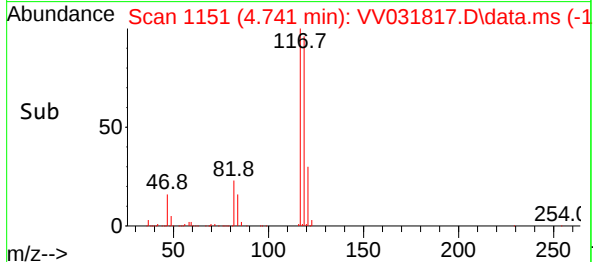
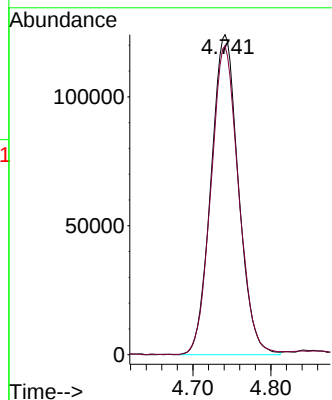
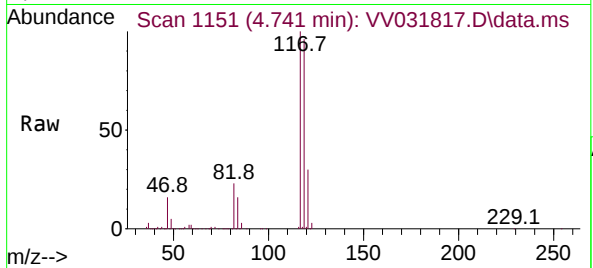




#31
Carbon tetrachloride
Concen: 47.559 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

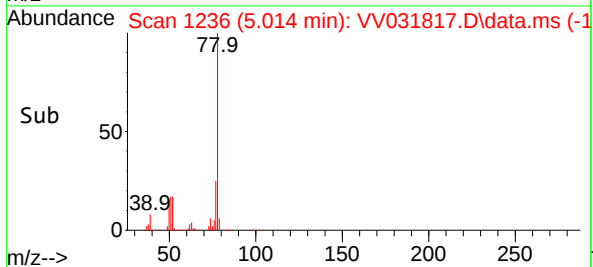
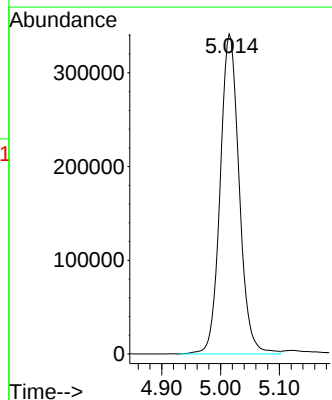
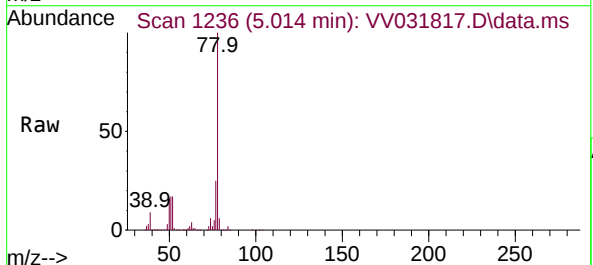
Instrument :
MSVOA_V
ClientSampleId :

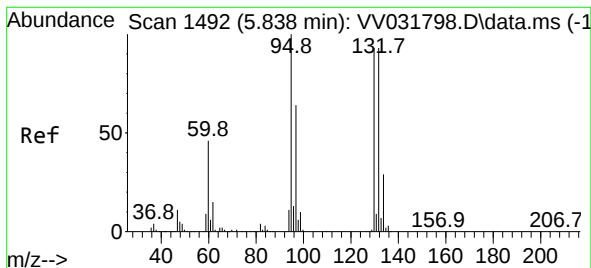
Tgt Ion:117 Resp: 303424
Ion Ratio Lower Upper
117 100
119 96.7 78.0 117.0



#33
Benzene
Concen: 51.311 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 78 Resp: 767686





#34

Trichloroethene

Concen: 49.093 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. -0.000 min

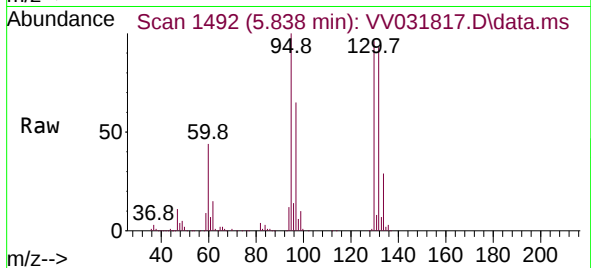
Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 231781

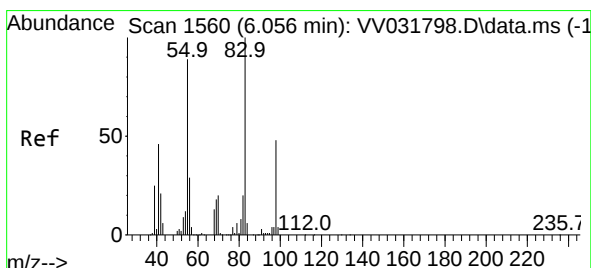
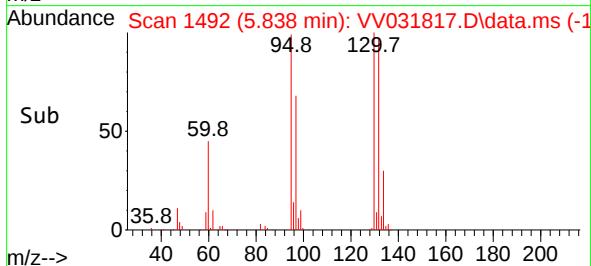
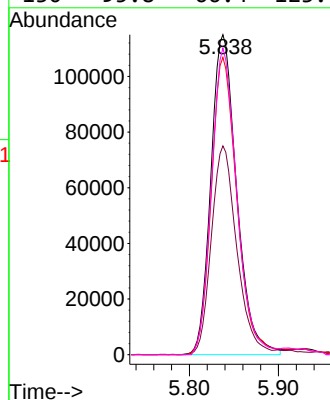
Ion Ratio Lower Upper

95 100

97 65.3 47.0 87.2

132 92.9 64.8 120.4

130 95.8 66.4 123.4



#35

Methylcyclohexane

Concen: 54.481 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

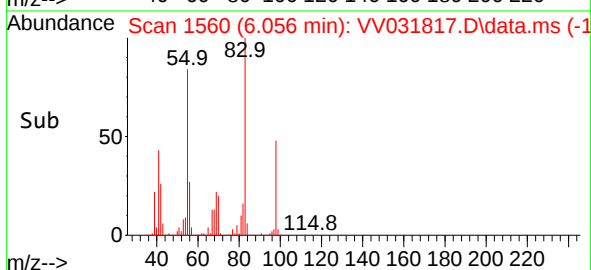
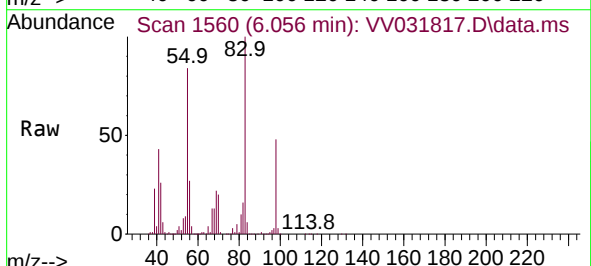
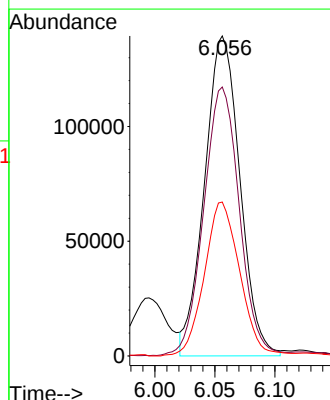
Tgt Ion: 83 Resp: 286106

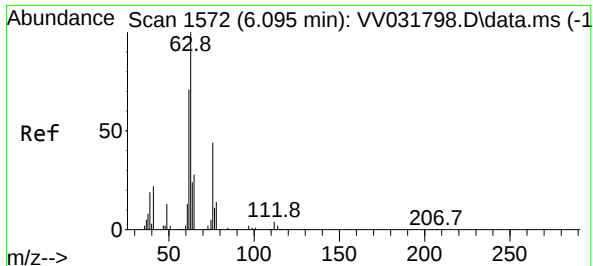
Ion Ratio Lower Upper

83 100

55 84.6 69.4 104.2

98 48.2 38.2 57.2

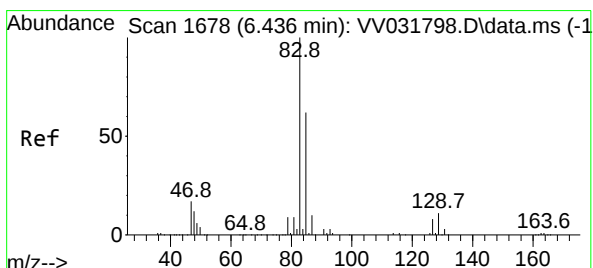
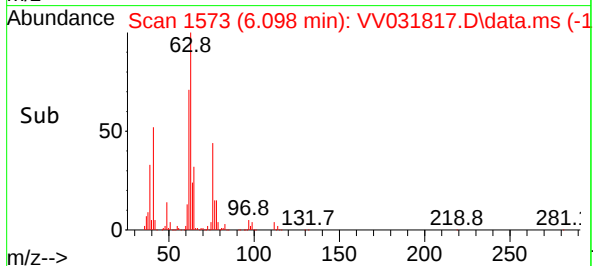
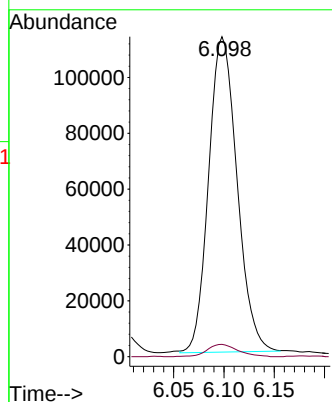
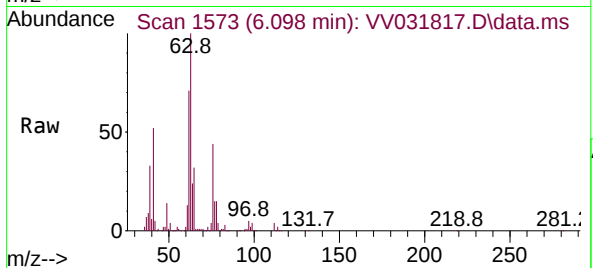




#37
1,2-Dichloropropane
Concen: 50.009 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

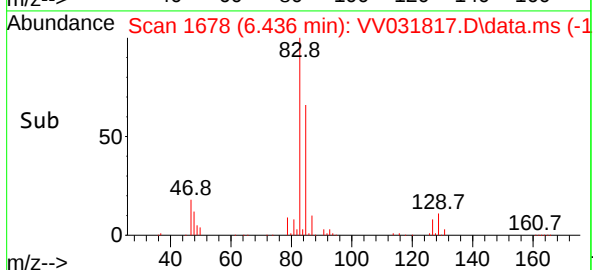
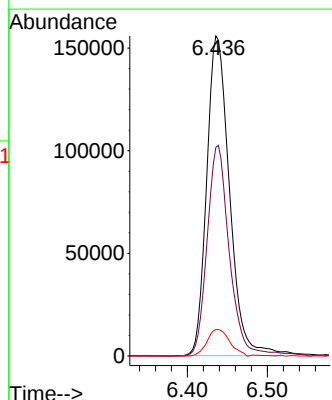
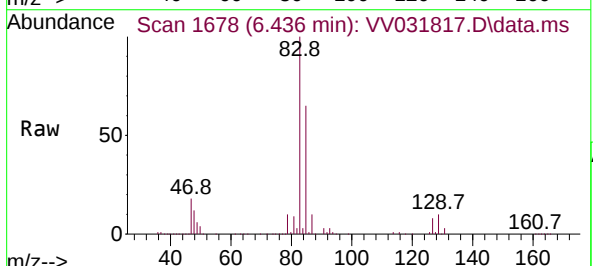
Instrument :
MSVOA_V
ClientSampleId :

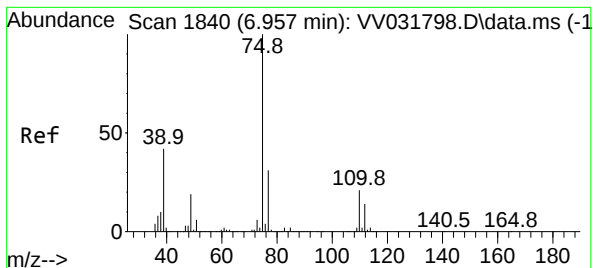
Tgt Ion: 63 Resp: 222265
Ion Ratio Lower Upper
63 100
112 4.2 3.7 5.5



#38
Bromodichloromethane
Concen: 48.645 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 83 Resp: 308404
Ion Ratio Lower Upper
83 100
85 65.2 44.2 82.0
127 9.2 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 49.455 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

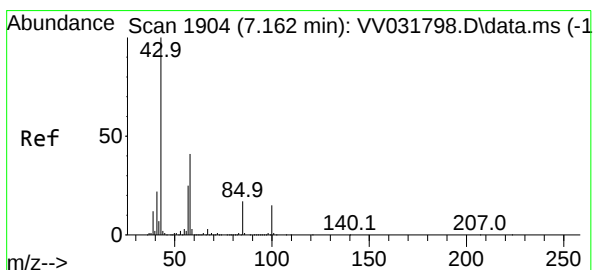
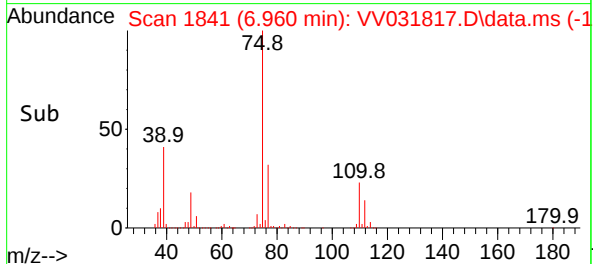
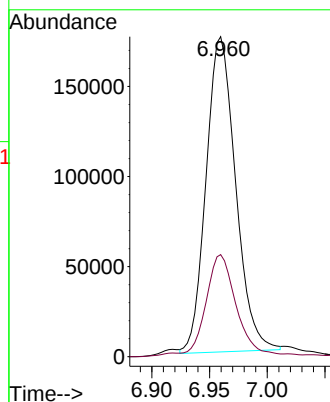
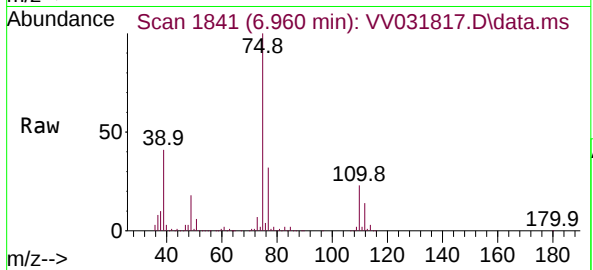
ClientSampleId :

Tgt Ion: 75 Resp: 312040

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 110.192 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

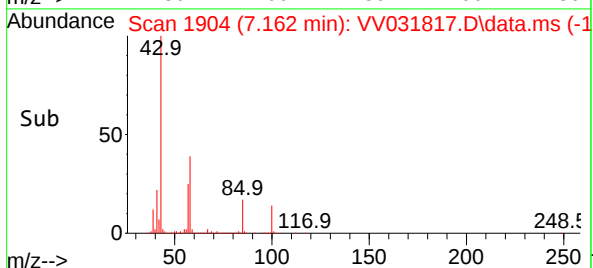
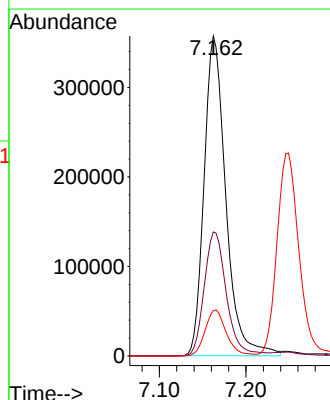
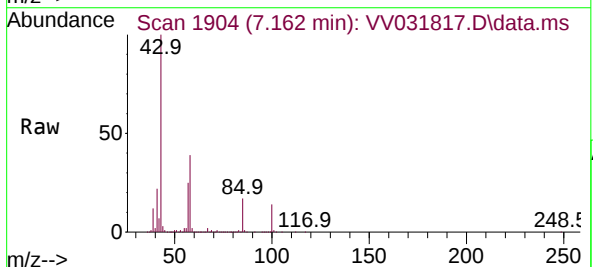
Tgt Ion: 43 Resp: 623751

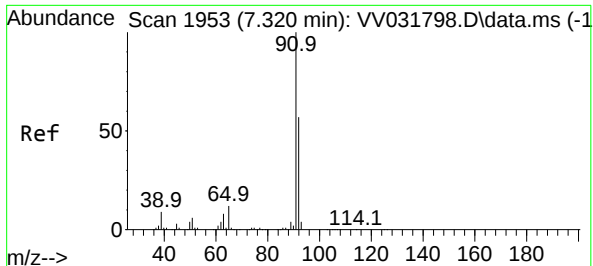
Ion Ratio Lower Upper

43 100

58 39.7 32.1 48.1

100 14.2 12.1 18.1





#42

Toluene

Concen: 54.530 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

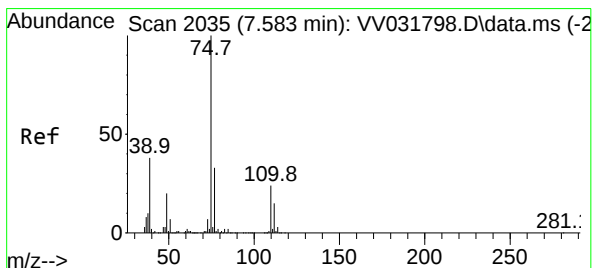
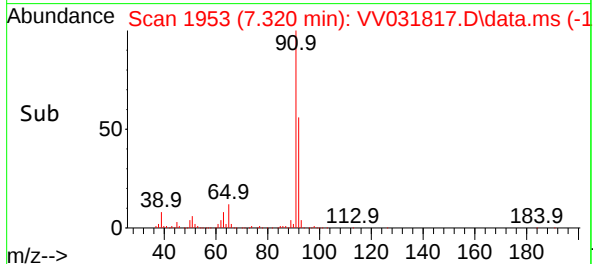
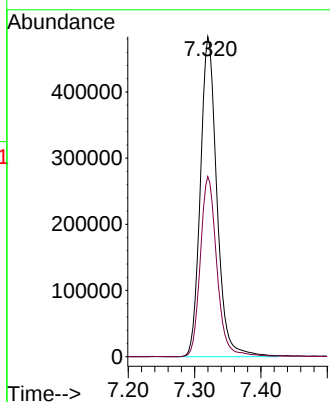
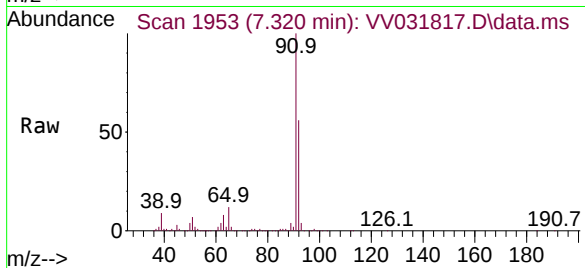
ClientSampleId :

Tgt Ion: 91 Resp: 837900

Ion Ratio Lower Upper

91 100

92 56.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.588 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031817.D

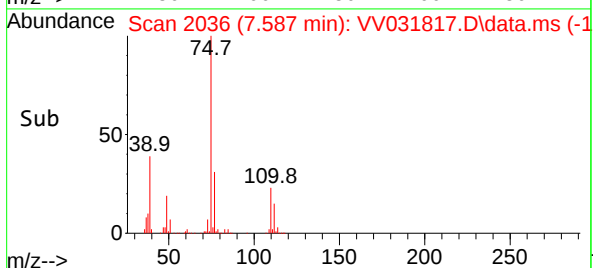
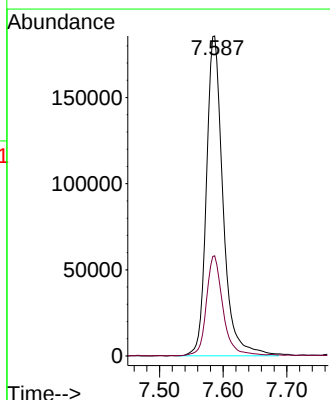
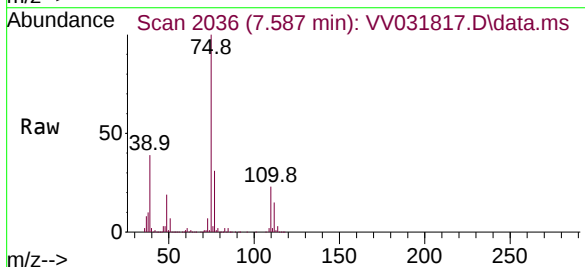
Acq: 16 Aug 2023 12:37

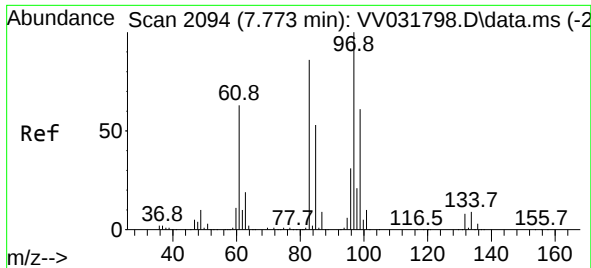
Tgt Ion: 75 Resp: 337422

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.3



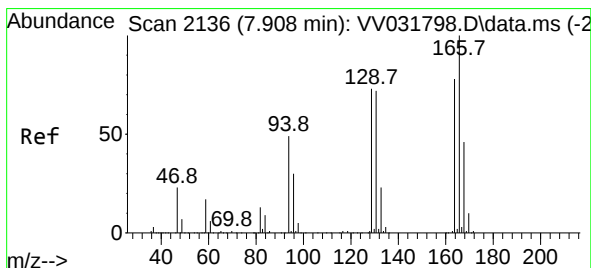
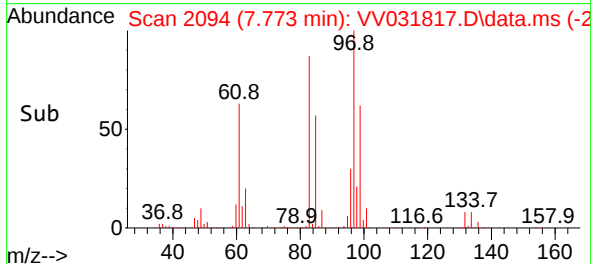
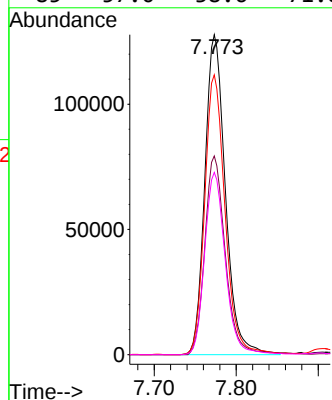
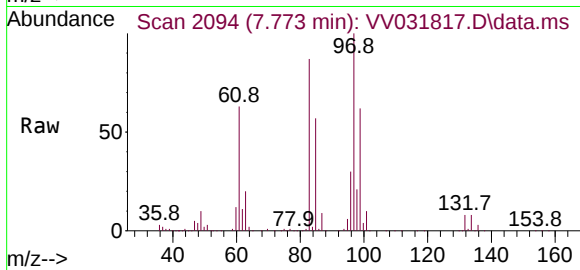


#45
1,1,2-Trichloroethane
Concen: 49.594 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 222413

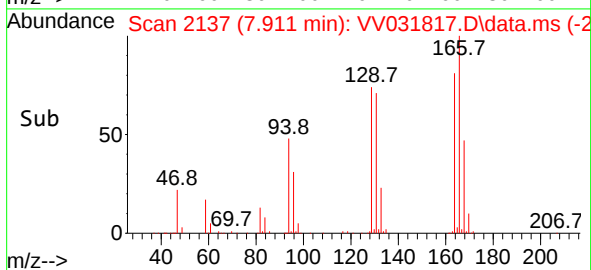
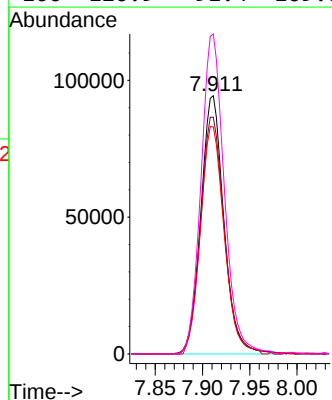
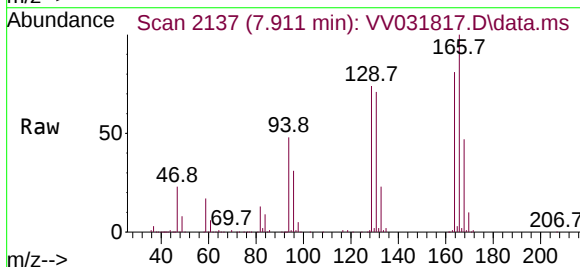
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.2	84.0
83	87.5	59.5	110.5
85	57.0	38.6	71.8

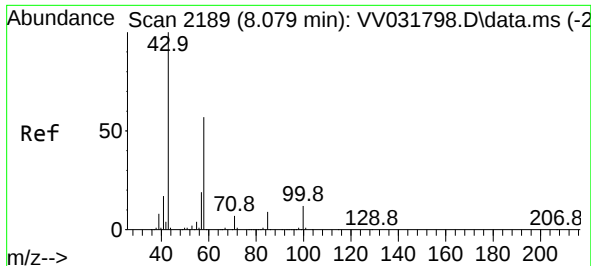


#46
Tetrachloroethene
Concen: 53.709 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 164 Resp: 160221

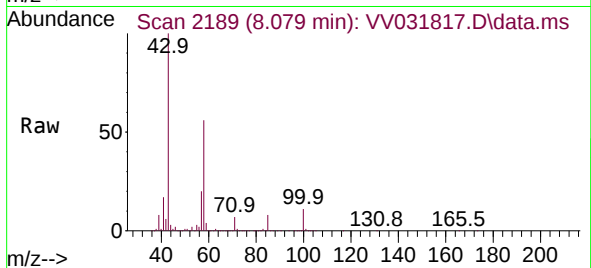
Ion	Ratio	Lower	Upper
164	100		
129	91.7	65.2	121.0
131	89.9	67.1	124.7
166	126.9	91.4	169.8



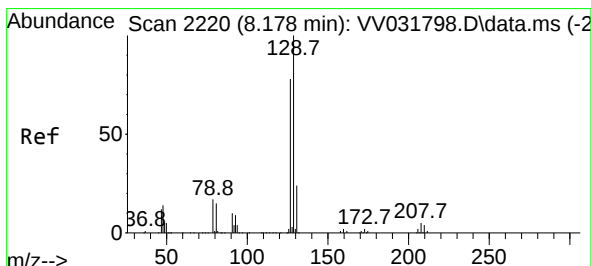
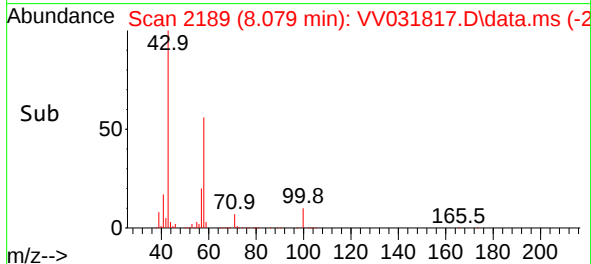
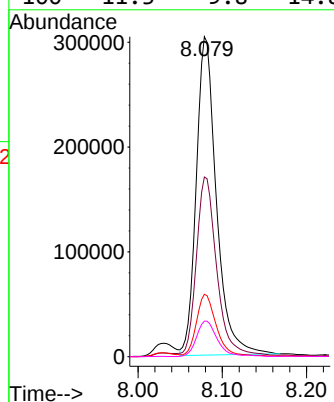


#48
2-Hexanone
Concen: 112.150 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Instrument :
MSVOA_V
ClientSampleId :

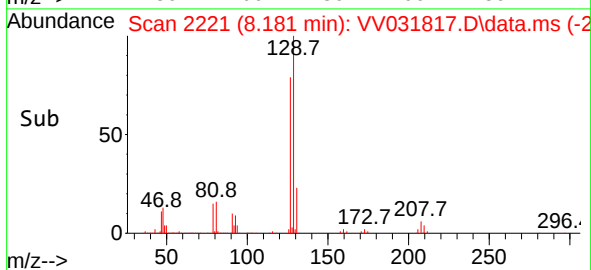
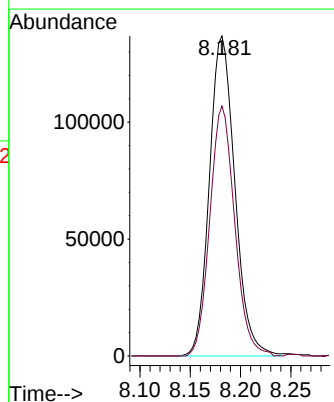
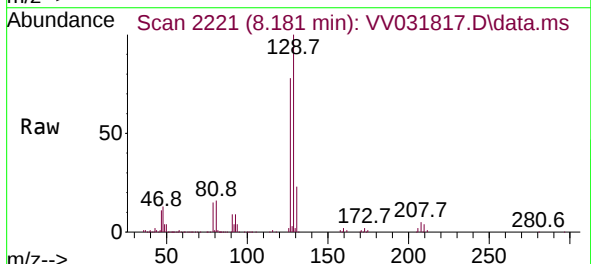


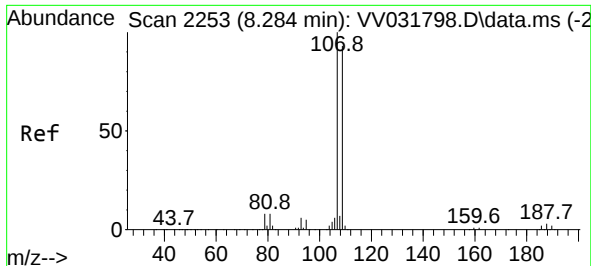
Tgt Ion: 43 Resp: 506368
Ion Ratio Lower Upper
43 100
58 56.3 46.3 69.5
57 18.5 16.8 25.2
100 11.3 9.8 14.8



#49
Dibromochloromethane
Concen: 50.965 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 129 Resp: 241191
Ion Ratio Lower Upper
129 100
127 76.9 55.2 102.6





#50

1,2-Dibromoethane

Concen: 49.728 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

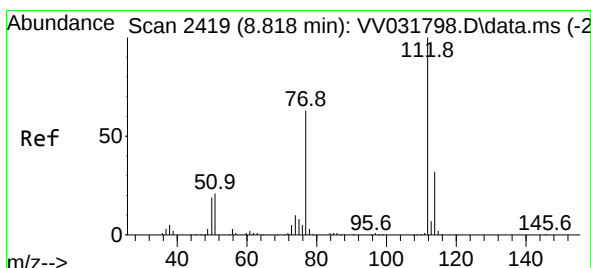
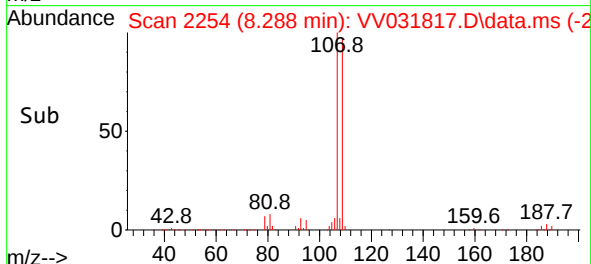
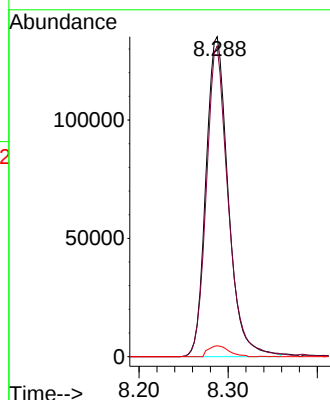
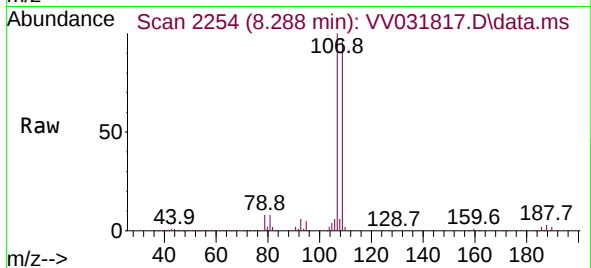
Tgt Ion:107 Resp: 234945

Ion Ratio Lower Upper

107 100

109 97.1 65.4 121.4

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 51.453 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

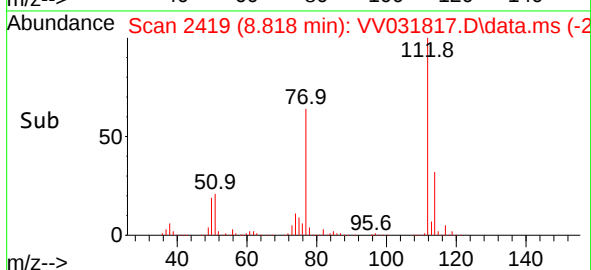
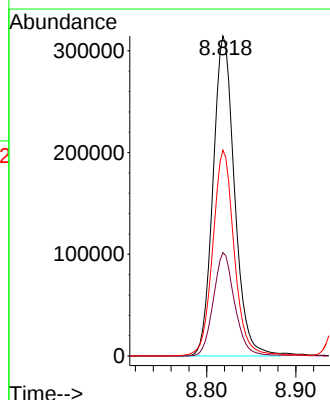
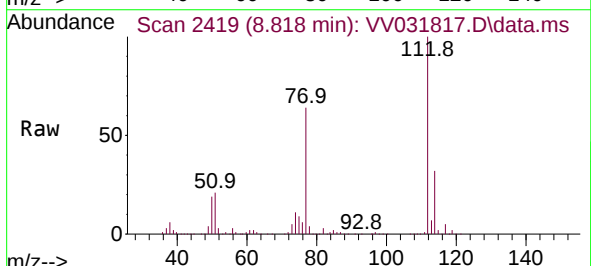
Tgt Ion:112 Resp: 528270

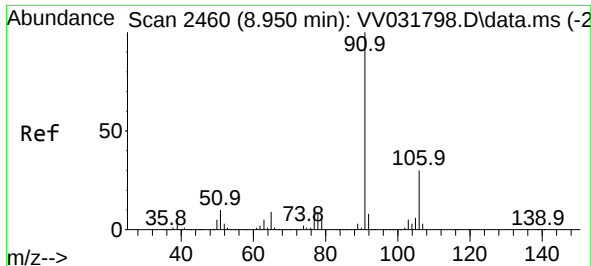
Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

77 64.3 50.6 76.0

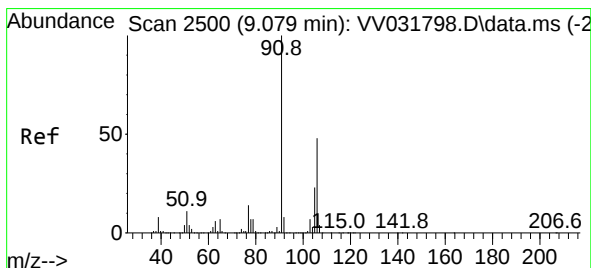
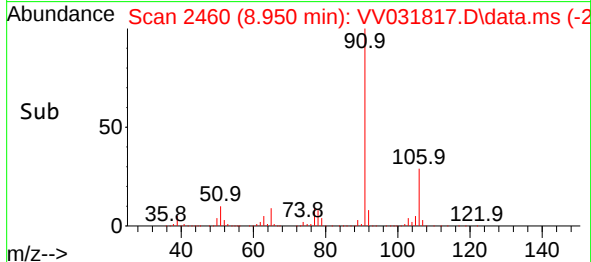
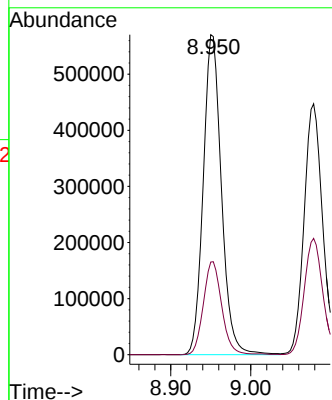
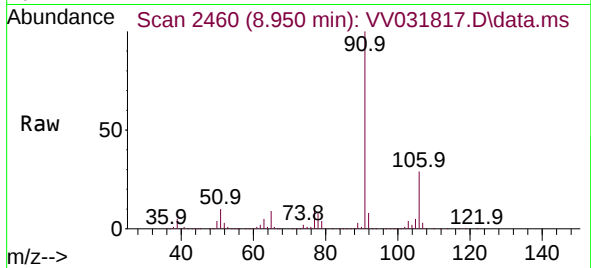




#52
Ethylbenzene
Concen: 54.237 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

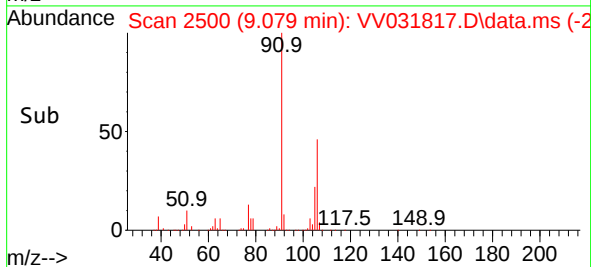
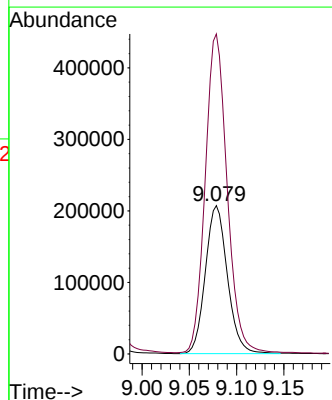
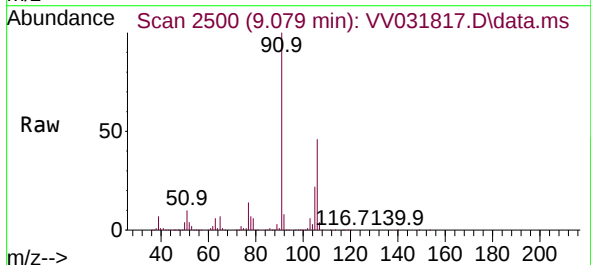
Instrument :
MSVOA_V
ClientSampleId :

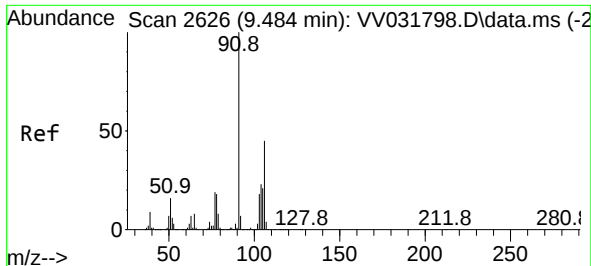
Tgt Ion: 91 Resp: 903131
Ion Ratio Lower Upper
91 100
106 29.0 21.5 39.9



#53
m,p-Xylene
Concen: 55.972 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 106 Resp: 336109
Ion Ratio Lower Upper
106 100
91 215.8 145.6 270.4

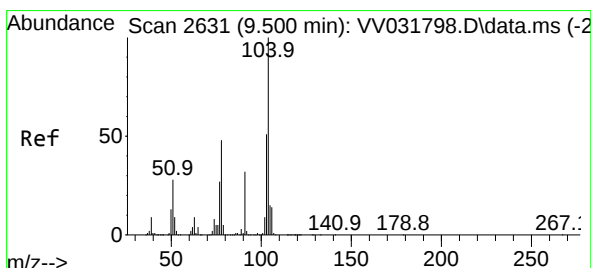
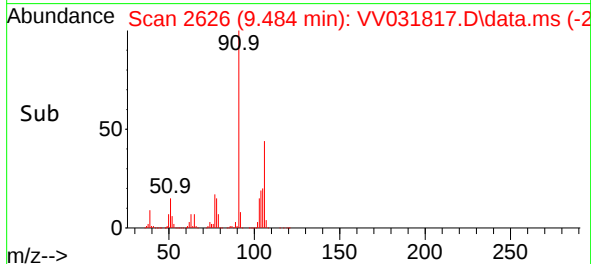
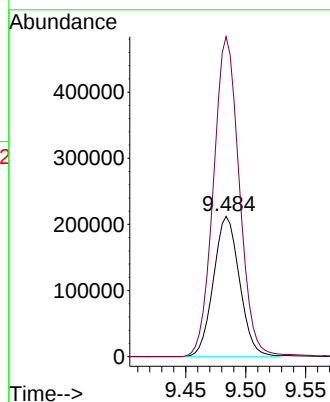
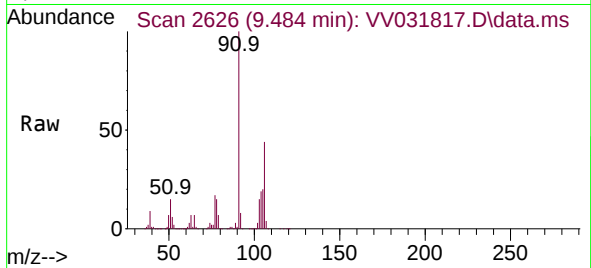




#54
o-Xylene
Concen: 55.715 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

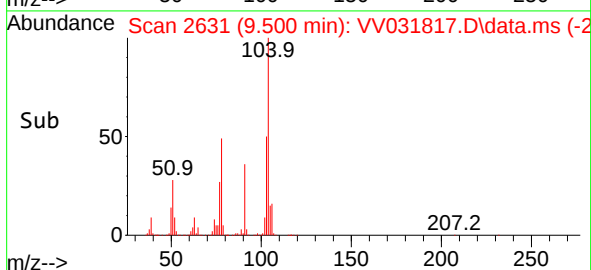
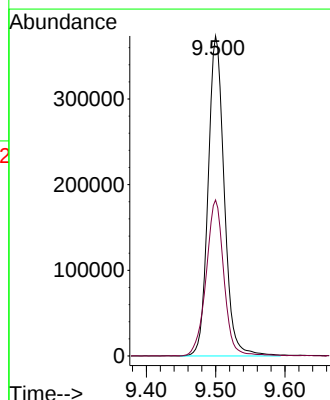
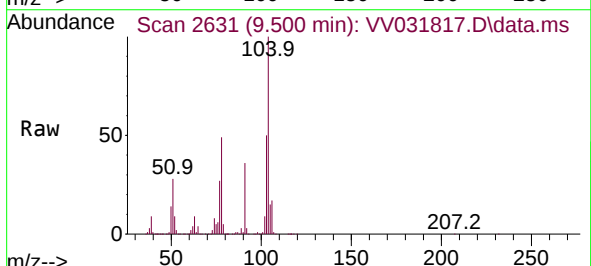
Instrument :
MSVOA_V
ClientSampleId :

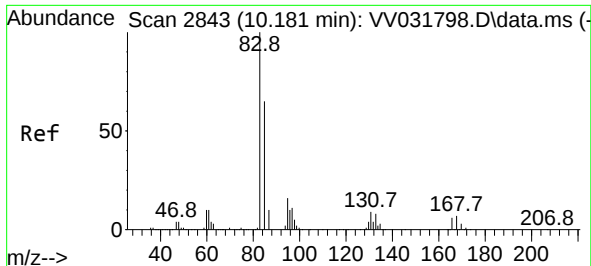
Tgt Ion:106 Resp: 320652
Ion Ratio Lower Upper
106 100
91 227.9 163.0 302.6



#55
Styrene
Concen: 57.287 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion:104 Resp: 602277
Ion Ratio Lower Upper
104 100
78 48.7 34.4 64.0

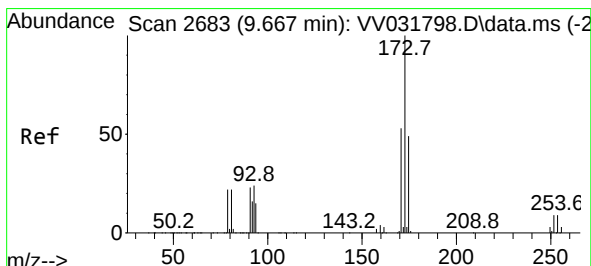
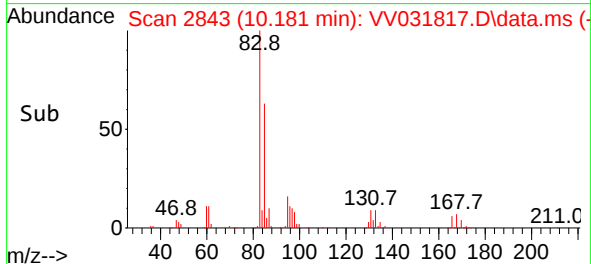
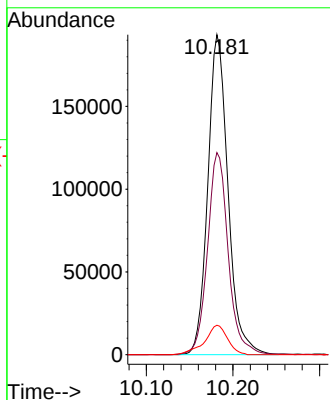
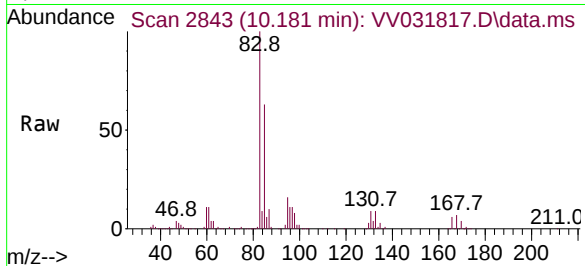




#57
1,1,2,2-Tetrachloroethane
Concen: 50.386 ug/L
RT: 10.181 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

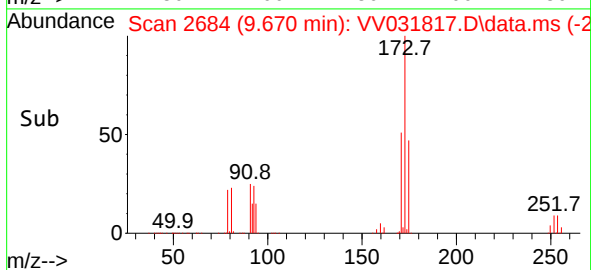
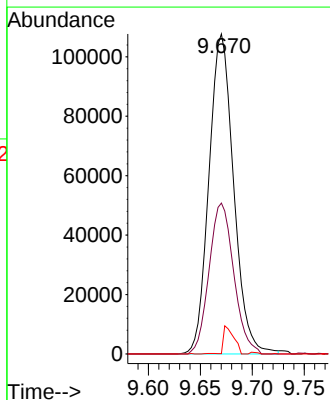
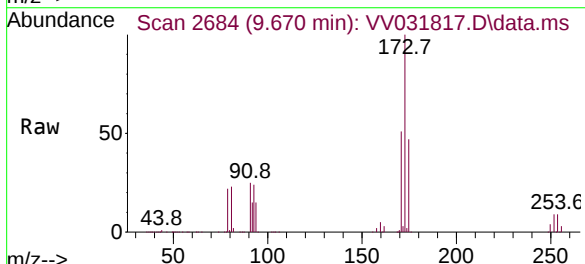
Instrument :
MSVOA_V
ClientSampleId :

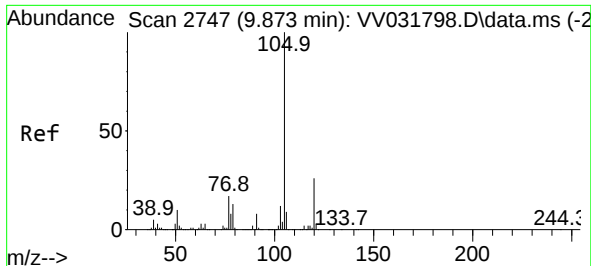
Tgt Ion: 83 Resp: 313336
Ion Ratio Lower Upper
83 100
85 63.1 43.4 80.6
131 13.1 10.9 16.3



#59
Bromoform
Concen: 50.501 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

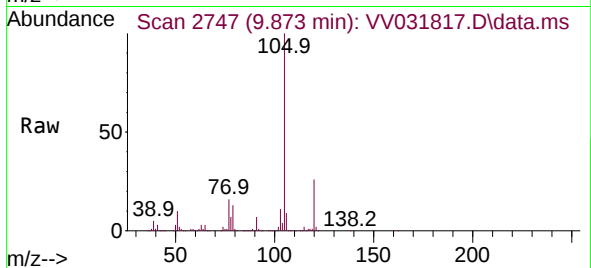
Tgt Ion: 173 Resp: 178009
Ion Ratio Lower Upper
173 100
175 47.1 38.6 58.0
254 3.6 6.9 10.3#



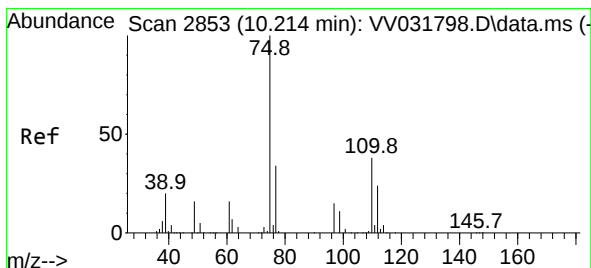
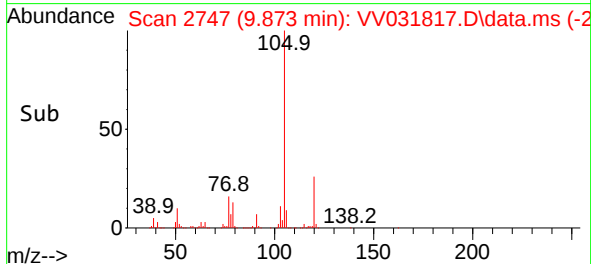
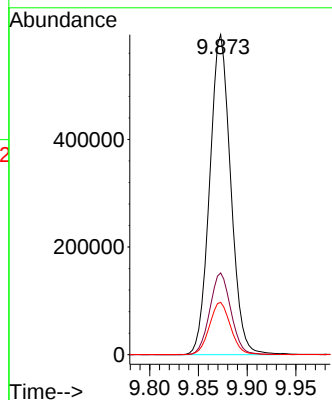


#60
Isopropylbenzene
Concen: 55.652 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Instrument :
MSVOA_V
ClientSampleId :

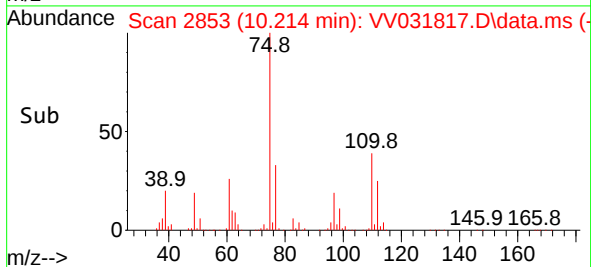
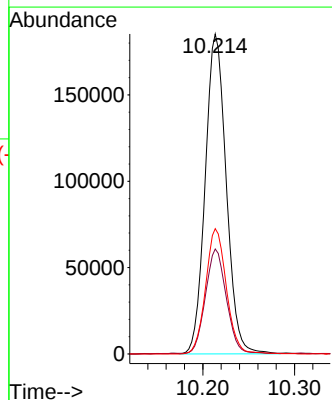
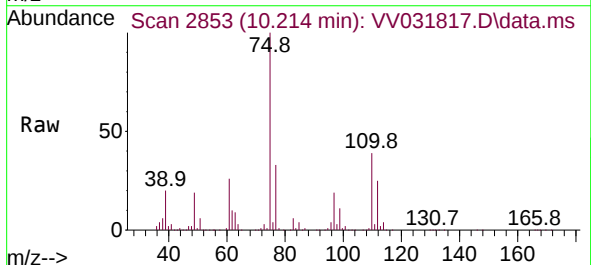


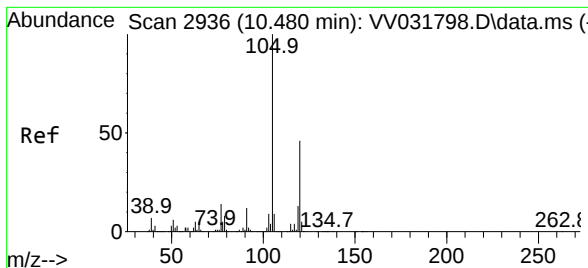
Tgt Ion:105 Resp: 892906
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 16.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 48.986 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion: 75 Resp: 295394
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
110 38.7 31.4 47.0

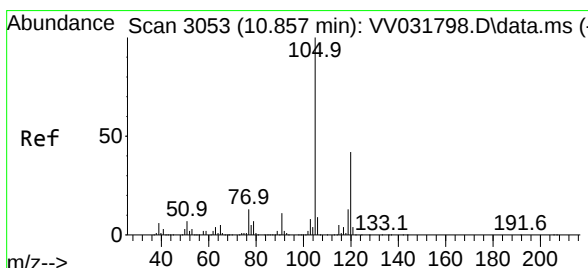
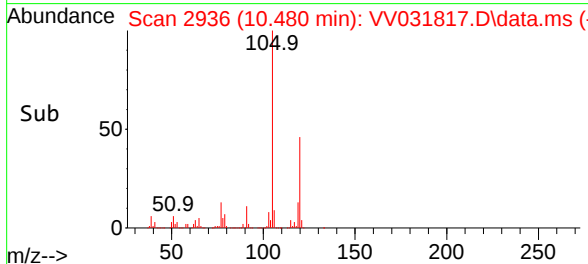
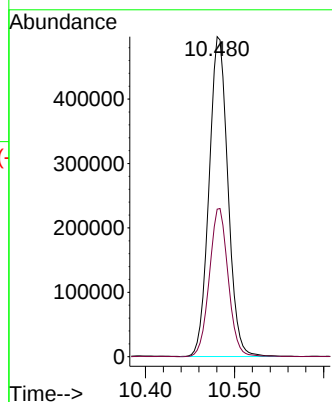
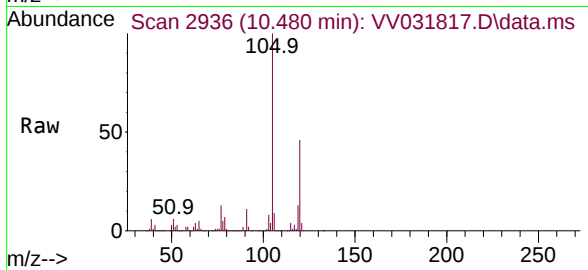




#62
 1,3,5-Trimethylbenzene
 Concen: 56.223 ug/L
 RT: 10.480 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VV031817.D
 Acq: 16 Aug 2023 12:37

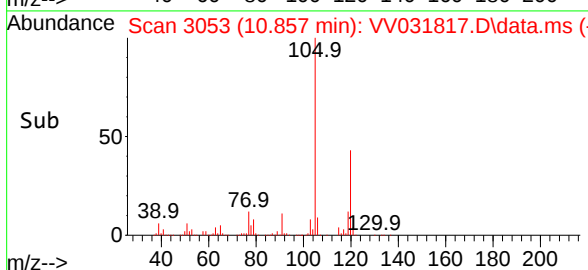
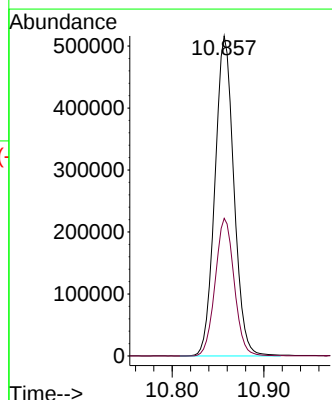
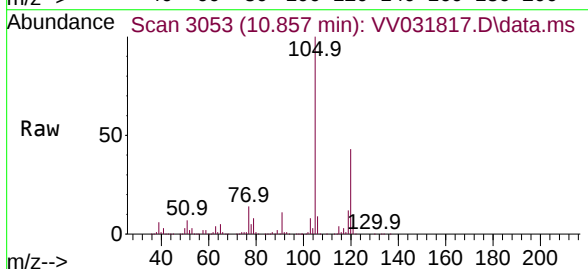
Instrument :
 MSVOA_V
 ClientSampleId :

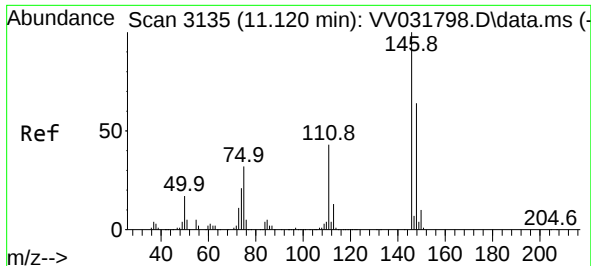
Tgt Ion:105 Resp: 729879
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 56.388 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.000 min
 Lab File: VV031817.D
 Acq: 16 Aug 2023 12:37

Tgt Ion:105 Resp: 741037
 Ion Ratio Lower Upper
 105 100
 120 43.1 34.7 52.1

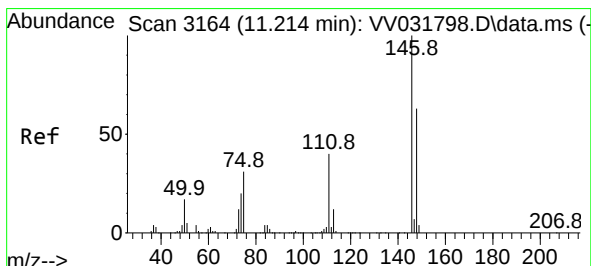
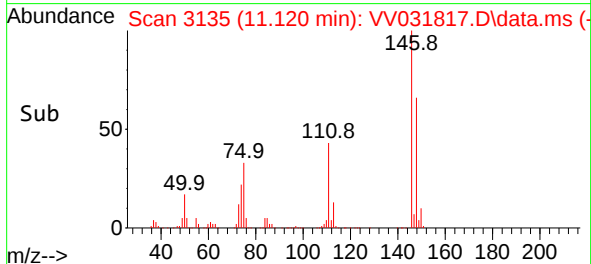
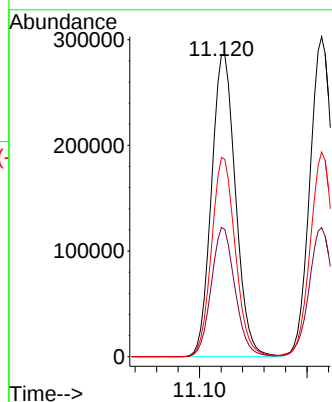
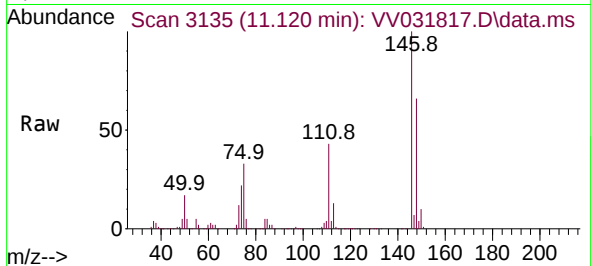




#64
1,3-Dichlorobenzene
Concen: 53.241 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

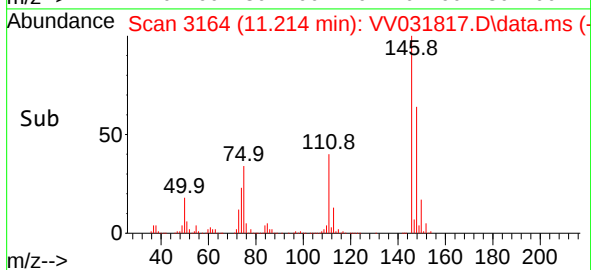
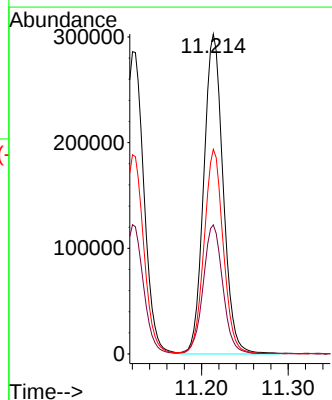
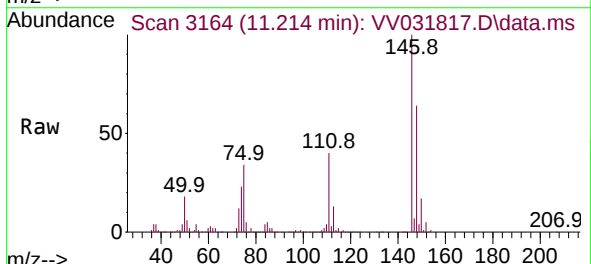
Instrument :
MSVOA_V
ClientSampleId :

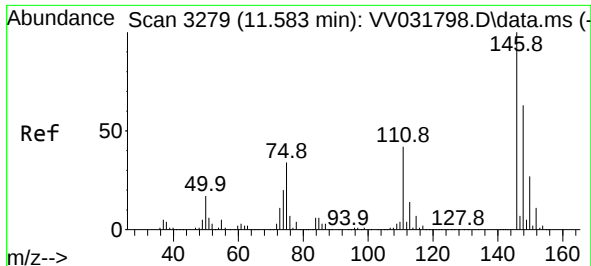
Tgt Ion:146 Resp: 446533
Ion Ratio Lower Upper
146 100
111 42.8 28.3 52.5
148 65.9 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 52.718 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031817.D
Acq: 16 Aug 2023 12:37

Tgt Ion:146 Resp: 470022
Ion Ratio Lower Upper
146 100
111 40.4 28.3 52.7
148 63.9 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 52.490 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

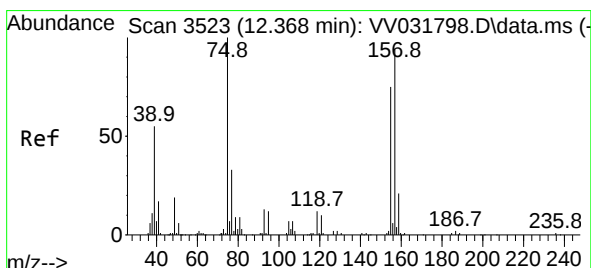
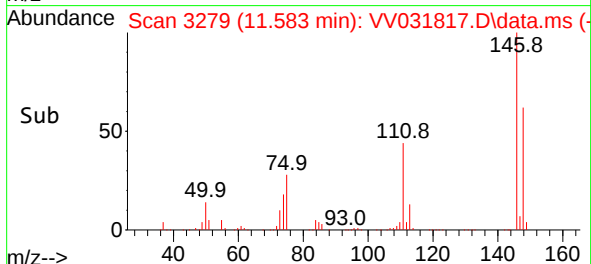
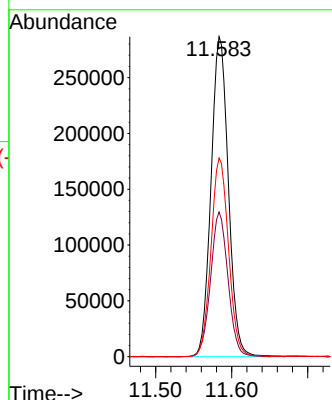
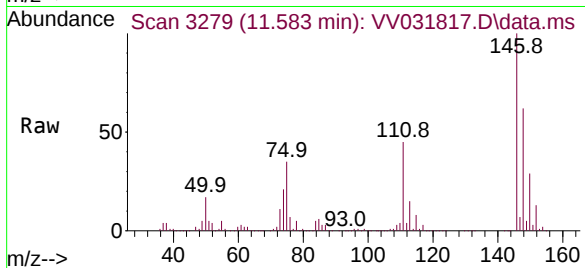
Tgt Ion:146 Resp: 453282

Ion Ratio Lower Upper

146 100

111 45.2 34.8 52.2

148 62.1 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 48.666 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

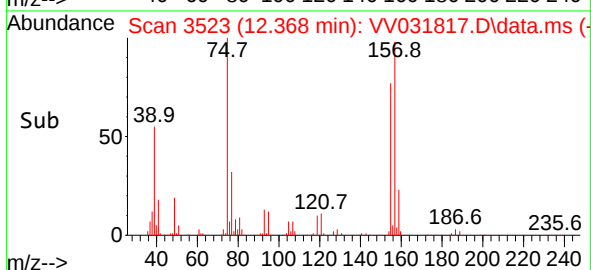
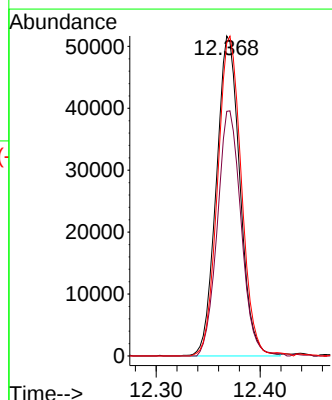
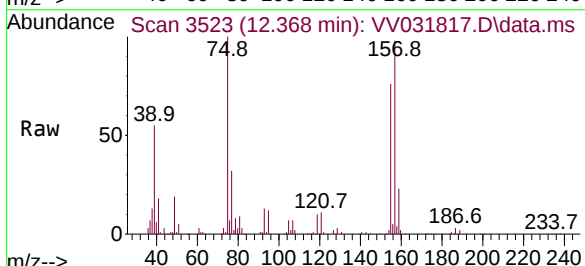
Tgt Ion: 75 Resp: 81623

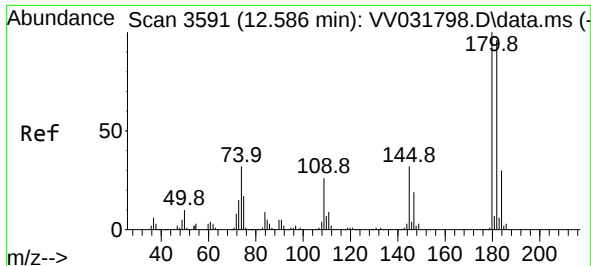
Ion Ratio Lower Upper

75 100

155 76.5 59.9 89.9

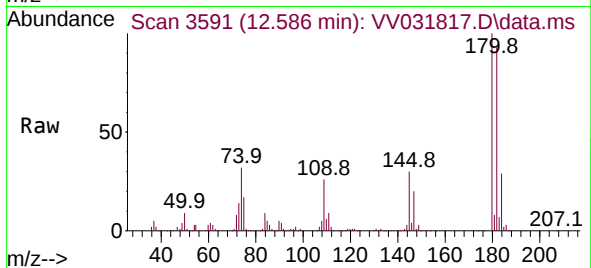
157 97.9 77.6 116.4



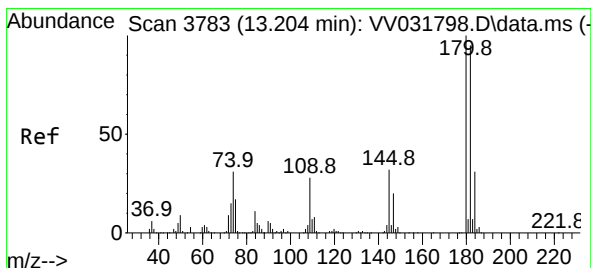
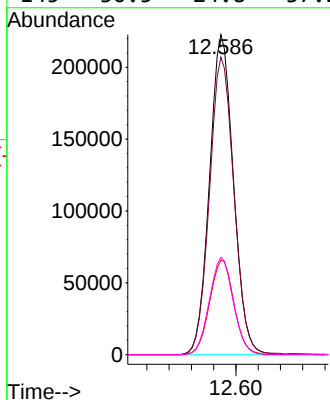
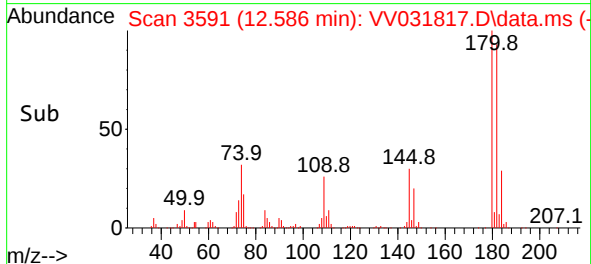


#69
 1,3,5-Trichlorobenzene
 Concen: 54.286 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. -0.000 min
 Lab File: VV031817.D
 Acq: 16 Aug 2023 12:37

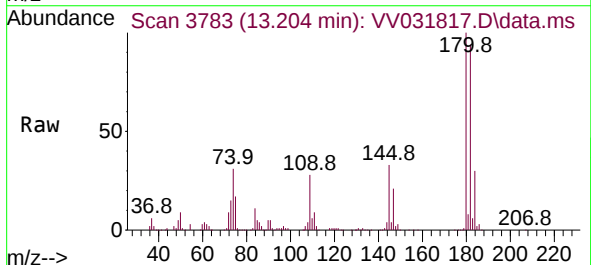
Instrument :
 MSVOA_V
 ClientSampleId :



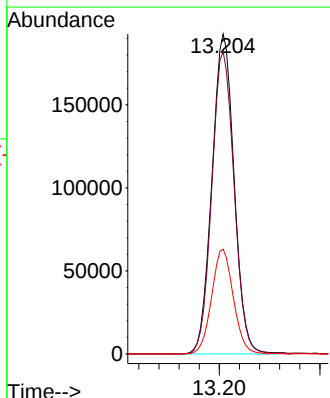
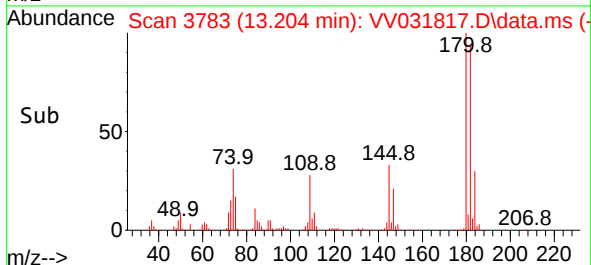
Tgt Ion:180 Resp: 332067
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.5 113.3
 184 29.9 23.7 35.5
 145 30.5 24.8 37.2

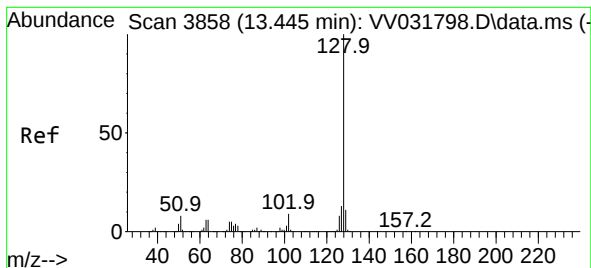


#70
 1,2,4-trichlorobenzene
 Concen: 53.859 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031817.D
 Acq: 16 Aug 2023 12:37



Tgt Ion:180 Resp: 294746
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 145 32.1 25.4 38.2





#71

Naphthalene

Concen: 58.962 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031817.D

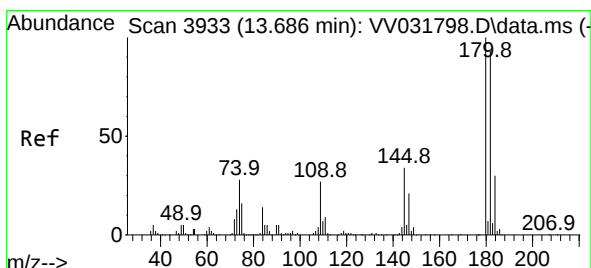
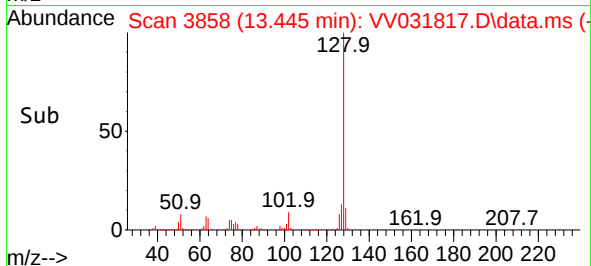
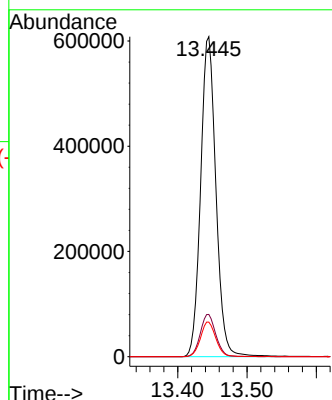
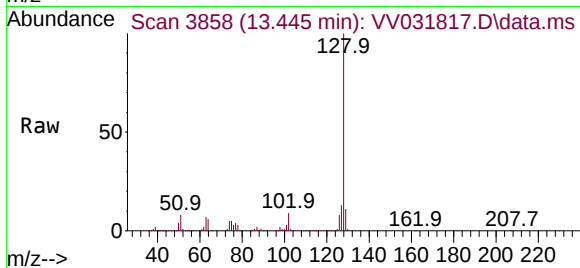
Acq: 16 Aug 2023 12:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	930126
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.0	16.4
129	10.9	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 55.748 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031817.D

Acq: 16 Aug 2023 12:37

Tgt Ion:	180	Resp:	318909
Ion Ratio	Lower	Upper	
180	100		
182	96.7	76.7	115.1
145	33.9	27.7	41.5

