

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032756.D
 Acq On : 28 Oct 2023 20:57
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 01:57:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 30 01:47:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	124624	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	144170	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	76454	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	45449	4.441	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.536	69	46631	5.361	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.200%
11) 1,1-Dichloroethene-d2	2.060	65	19909	4.334	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.600%
20) 2-Butanone-d5	3.809	46	110038	49.786	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.580%
24) Chloroform-d	4.253	84	95761	5.635	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.600%
26) 1,2-Dichloroethane-d4	4.950	65	46579	5.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.000%
32) Benzene-d6	4.963	84	174823	5.093	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.800%
36) 1,2-Dichloropropane-d6	5.995	67	52714	5.303	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.000%
41) Toluene-d8	7.246	98	180242	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
43) trans-1,3-Dichloroprop...	7.558	79	22318	5.089	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.800%
46) 2-Hexanone-d5	8.031	63	97722	56.220	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.440%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	48533	5.491	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	64964	5.204	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	61887	4.838	ug/L	99
3) Chloromethane	1.217	50	80958	5.365	ug/L	99
5) Vinyl chloride	1.285	62	76723	5.123	ug/L	98
6) Bromomethane	1.491	94	47144	5.394	ug/L	96
8) Chloroethane	1.552	64	56416	5.760	ug/L	99
9) Trichlorofluoromethane	1.716	101	104172	5.167	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	51227	4.308	ug/L	98
12) 1,1-Dichloroethene	2.073	96	53864	4.836	ug/L	92
13) Acetone	2.134	43	109266	50.077	ug/L	87
14) Carbon disulfide	2.243	76	172931	4.901	ug/L	99
15) Methyl Acetate	2.388	43	22137	5.066	ug/L	99
16) Methylene chloride	2.449	84	71189	5.193	ug/L	98
17) Methyl tert-butyl Ether	2.709	73	130456	5.425	ug/L	99
18) trans-1,2-Dichloroethene	2.700	96	56079	5.091	ug/L	98
19) 1,1-Dichloroethane	3.114	63	106588	5.458	ug/L	99
21) 2-Butanone	3.886	43	150654	52.225	ug/L	88
22) cis-1,2-Dichloroethene	3.818	96	60273	5.397	ug/L	95
23) Bromochloromethane	4.153	128	30363	5.845	ug/L	93
25) Chloroform	4.281	83	117773	5.548	ug/L	98

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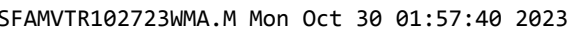
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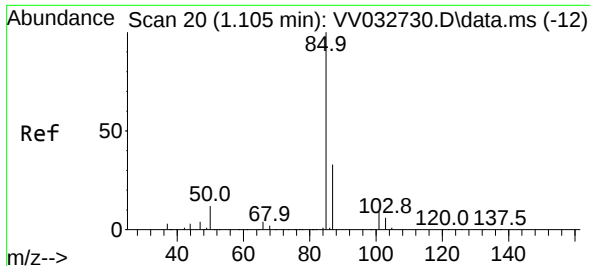
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	72711	5.510	ug/L	97
29) 1,1,1-Trichloroethane	4.516	97	94238	5.067	ug/L	98
30) Cyclohexane	4.587	56	62898	4.013	ug/L	99
31) Carbon tetrachloride	4.738	117	77212	4.772	ug/L	99
33) Benzene	5.015	78	242685	5.340	ug/L	100
34) Trichloroethene	5.838	95	57524	4.738	ug/L	97
35) Methylcyclohexane	6.053	83	72701	4.008	ug/L	98
37) 1,2-Dichloropropane	6.098	63	62161	5.669	ug/L	99
38) Bromodichloromethane	6.436	83	81523	5.032	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	82048	4.915	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	417427	58.997	ug/L	100
42) Toluene	7.320	91	281339	5.329	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	77832	5.418	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	52601	5.680	ug/L	98
47) Tetrachloroethene	7.908	164	51447	4.795	ug/L	94
48) 2-Hexanone	8.079	43	307767	59.472	ug/L	99
49) Dibromochloromethane	8.178	129	61271	5.577	ug/L	97
50) 1,2-Dibromoethane	8.288	107	49686	5.749	ug/L	100
51) Chlorobenzene	8.818	112	178898	5.129	ug/L	99
52) Ethylbenzene	8.950	91	266728	4.806	ug/L	99
53) m,p-Xylene	9.076	106	105170	5.004	ug/L	97
54) o-Xylene	9.481	106	101875	4.997	ug/L	96
55) Styrene	9.500	104	184109	5.451	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	61186	5.664	ug/L	97
59) Bromoform	9.667	173	32307	5.386	ug/L	97
60) Isopropylbenzene	9.870	105	241483	4.654	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	44122	5.457	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	193591	4.564	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	197919	4.722	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	139784	5.021	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	135778	4.913	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	133864	5.228	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	8830	4.570	ug/L	95
69) 1,3,5-Trichlorobenzene	12.587	180	90487	4.553	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	75902	4.501	ug/L	99
71) Naphthalene	13.442	128	120103	4.494	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	71790	4.842	ug/L	100

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

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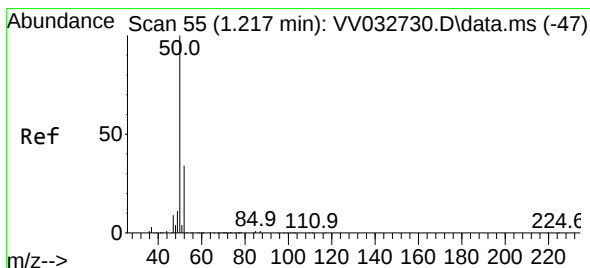
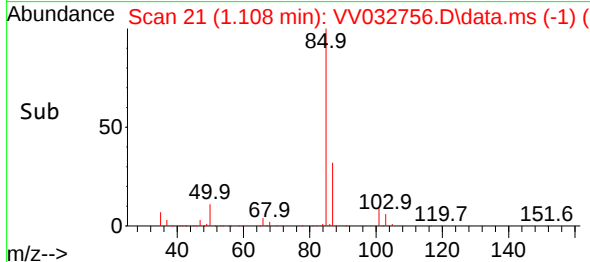
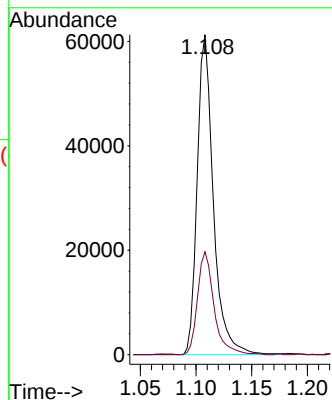
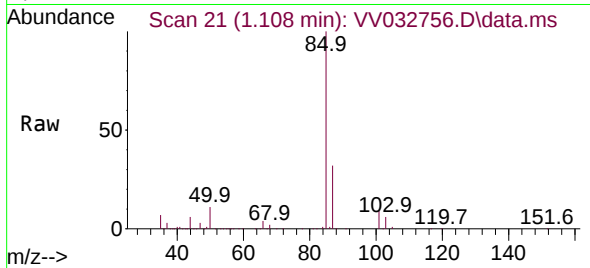




#2
 Dichlorodifluoromethane
 Concen: 4.838 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

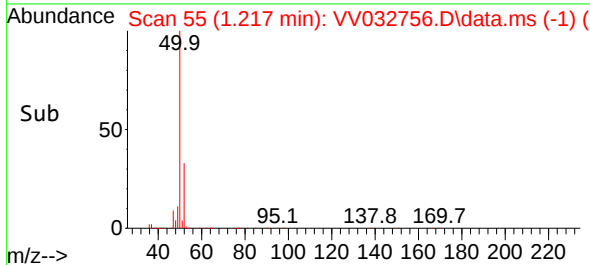
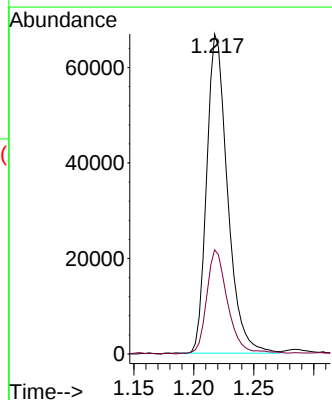
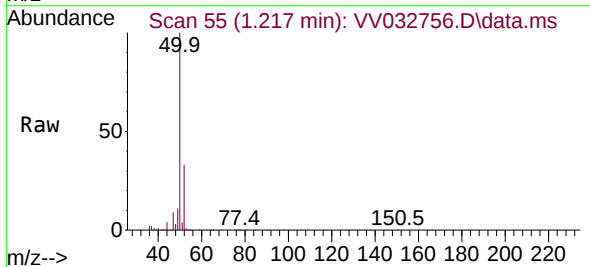
Instrument :
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 ClientSampleId :

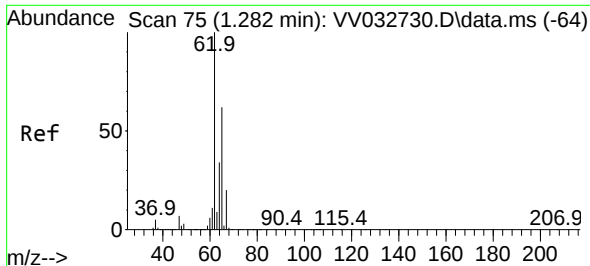
Tgt Ion: 85 Resp: 61887
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.9 38.9



#3
 Chloromethane
 Concen: 5.365 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

Tgt Ion: 50 Resp: 80958
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.3 41.5

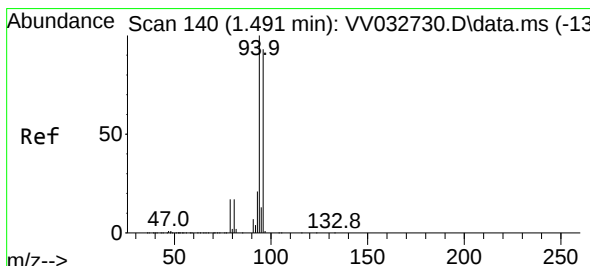
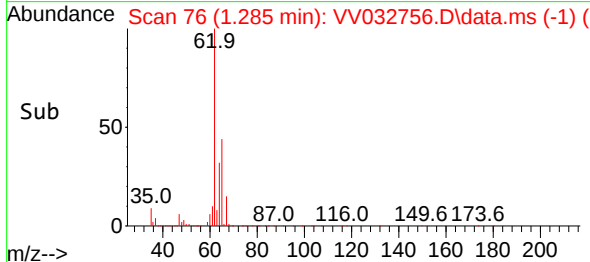
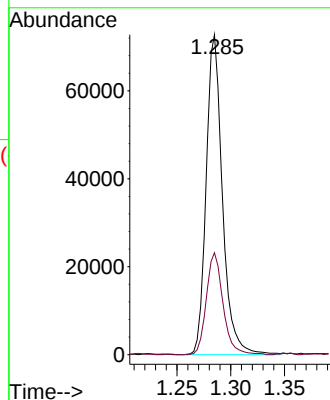
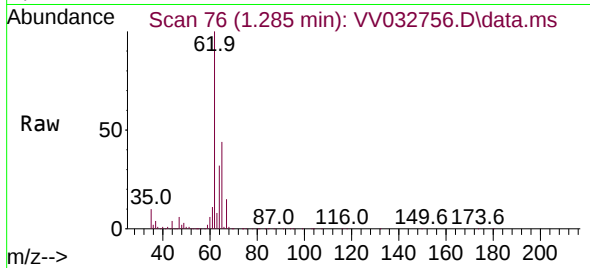




#5
 Vinyl chloride
 Concen: 5.123 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

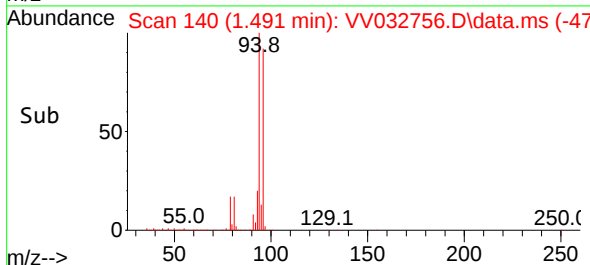
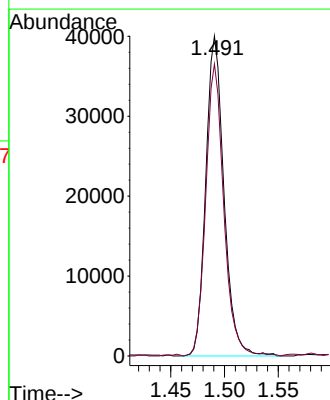
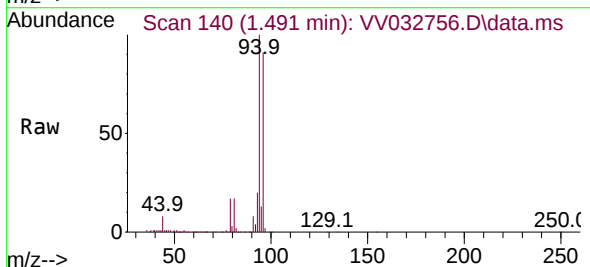
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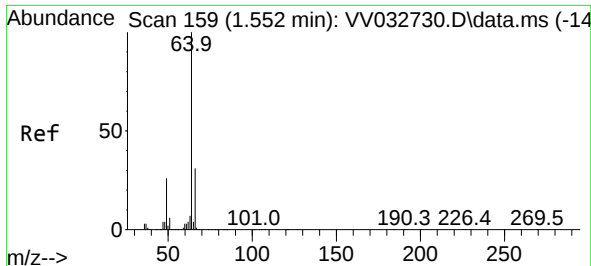
Tgt Ion: 62 Resp: 76723
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.2 43.0



#6
 Bromomethane
 Concen: 5.394 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

Tgt Ion: 94 Resp: 47144
 Ion Ratio Lower Upper
 94 100
 96 91.3 66.4 123.2

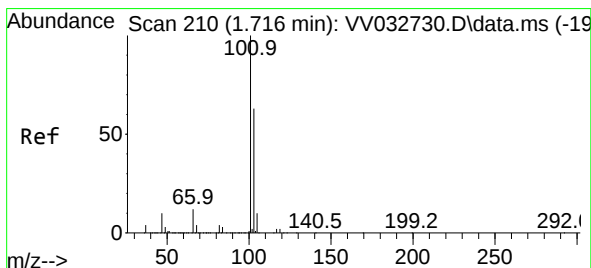
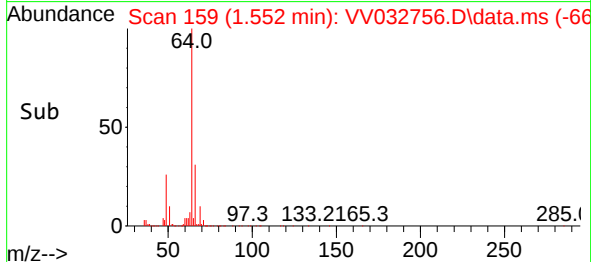
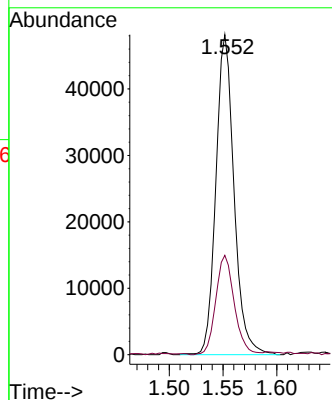
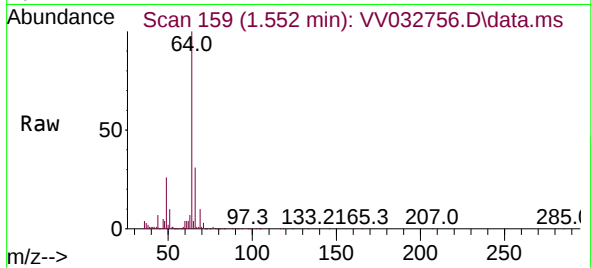




#8
Chloroethane
Concen: 5.760 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

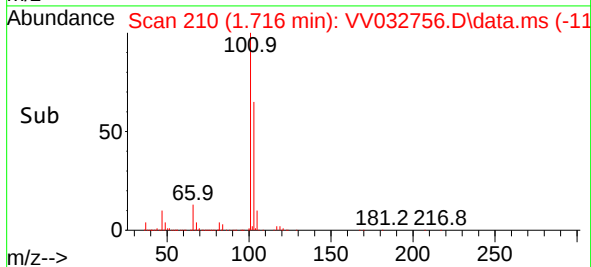
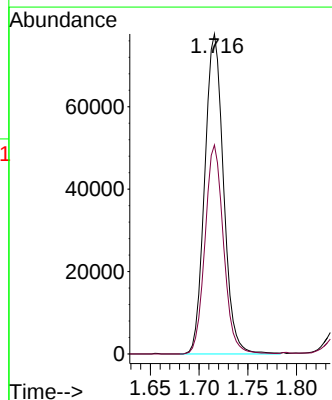
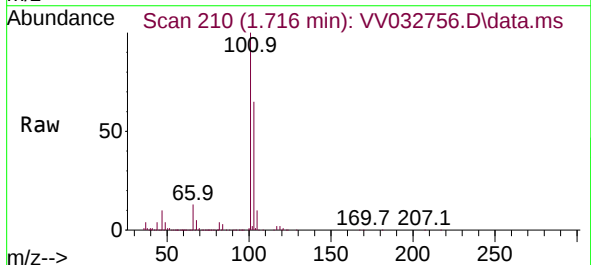
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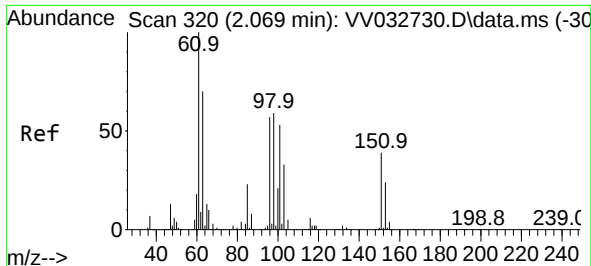
Tgt Ion: 64 Resp: 56416
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.167 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 101 Resp: 104172
Ion Ratio Lower Upper
101 100
103 64.4 52.1 78.1

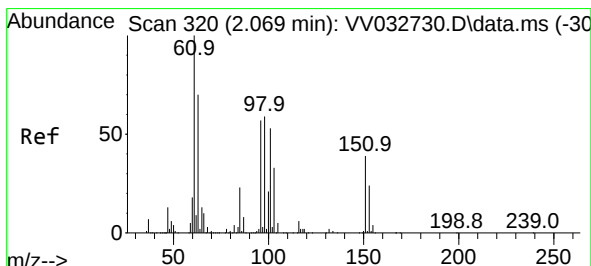
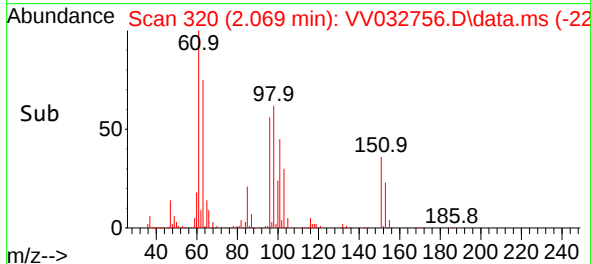
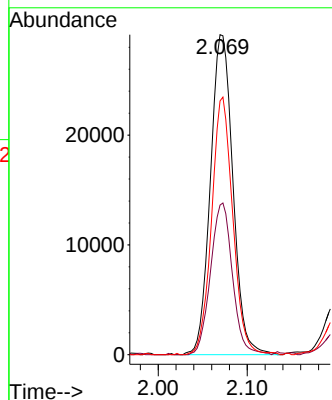
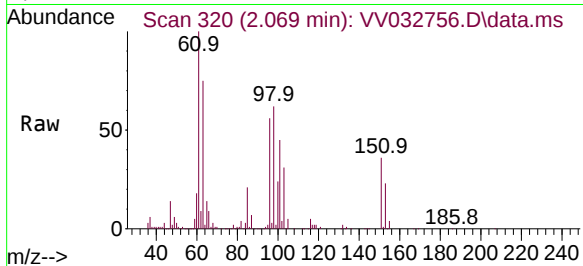




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.308 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

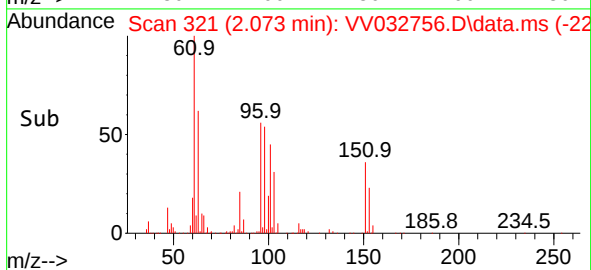
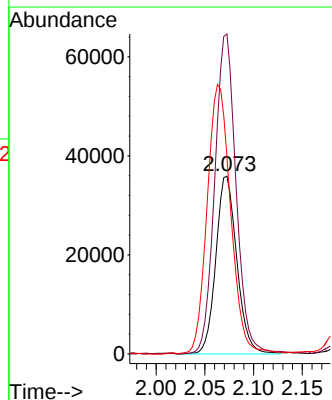
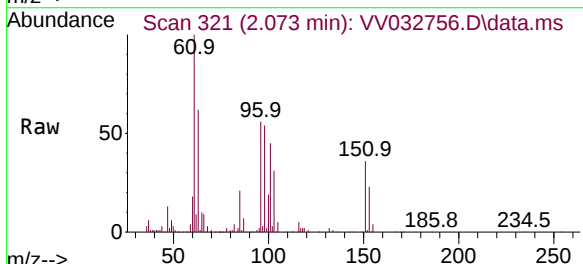
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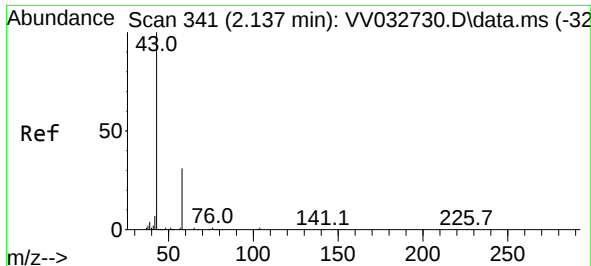
Tgt Ion:101 Resp: 51227
 Ion Ratio Lower Upper
 101 100
 85 46.0 36.2 54.4
 151 75.9 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 4.836 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

Tgt Ion: 96 Resp: 53864
 Ion Ratio Lower Upper
 96 100
 61 179.9 122.3 227.1
 63 111.2 89.4 166.0





#13

Acetone

Concen: 50.077 ug/L

RT: 2.134 min Scan# 341

Delta R.T. -0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

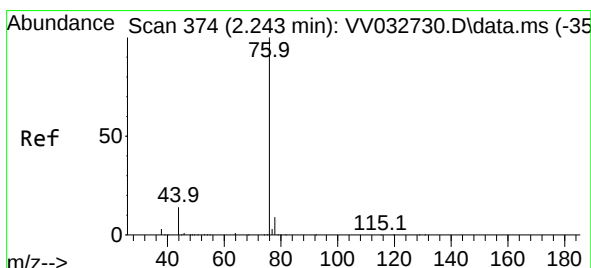
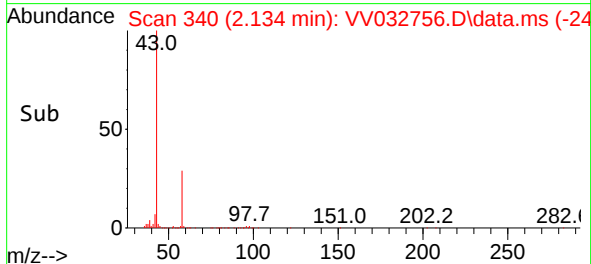
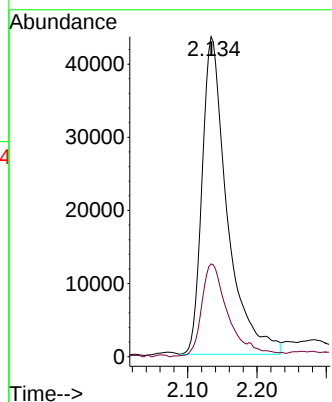
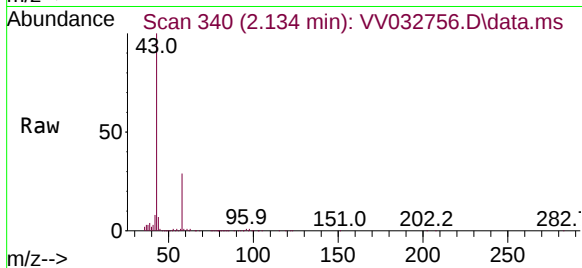
ClientSampleId :

Tgt Ion: 43 Resp: 109266

Ion Ratio Lower Upper

43 100

58 31.7 0.0 50.6



#14

Carbon disulfide

Concen: 4.901 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032756.D

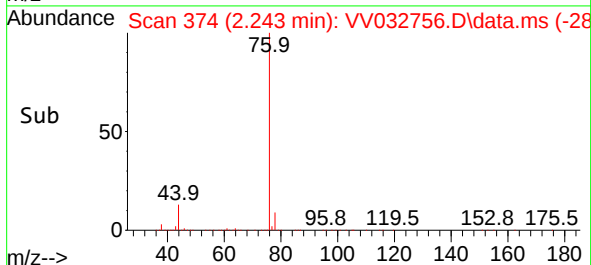
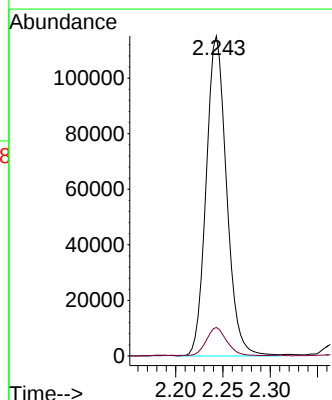
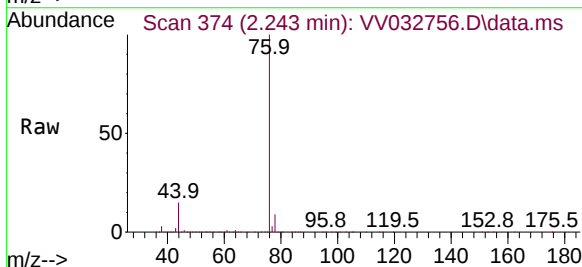
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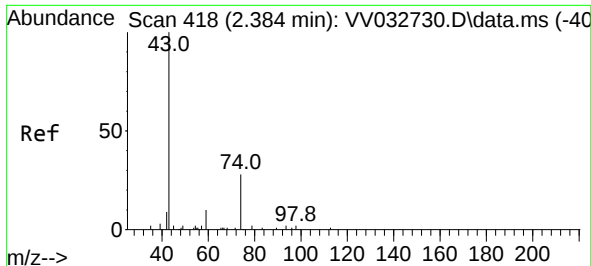
Tgt Ion: 76 Resp: 172931

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

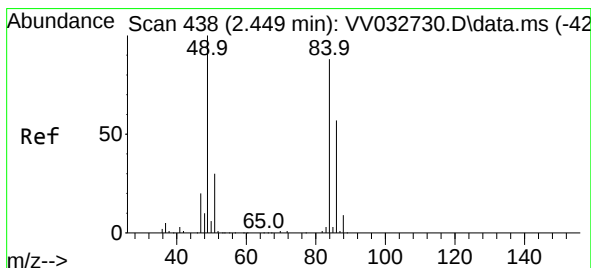
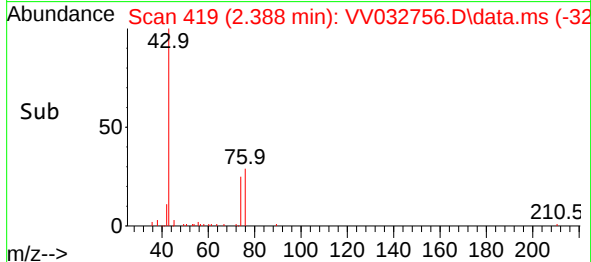
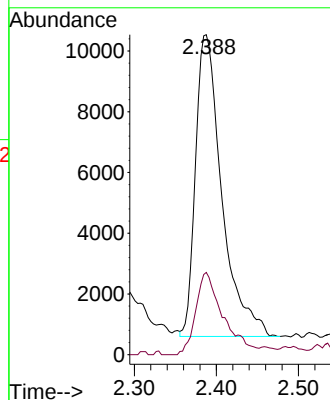
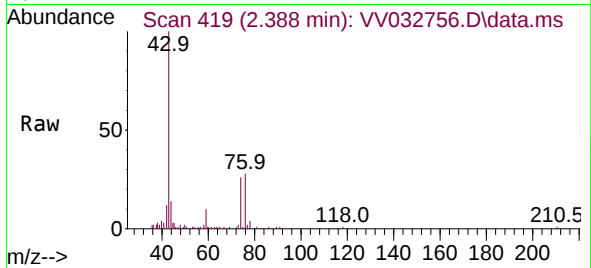




#15
Methyl Acetate
Concen: 5.066 ug/L
RT: 2.388 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

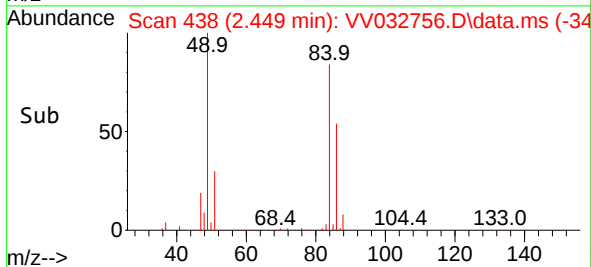
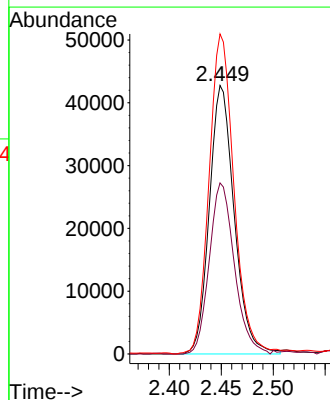
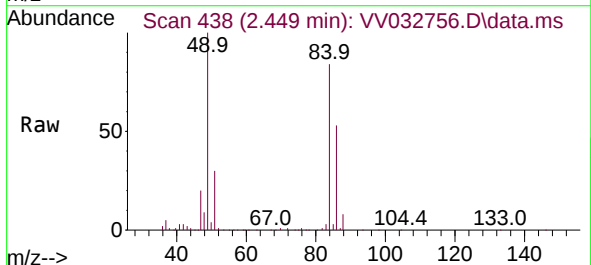
Instrument :
MSVOA_V
ClientSampleId :

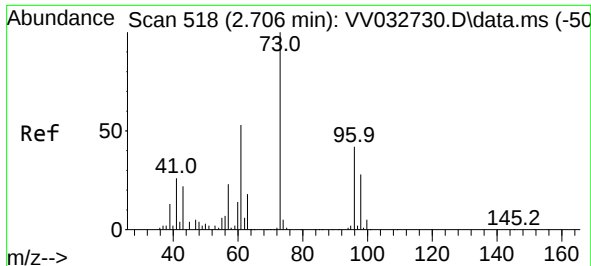
Tgt Ion: 43 Resp: 22137
Ion Ratio Lower Upper
43 100
74 28.6 23.1 34.7



#16
Methylene chloride
Concen: 5.193 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 84 Resp: 71189
Ion Ratio Lower Upper
84 100
86 63.8 44.8 83.2
49 119.2 81.1 150.5

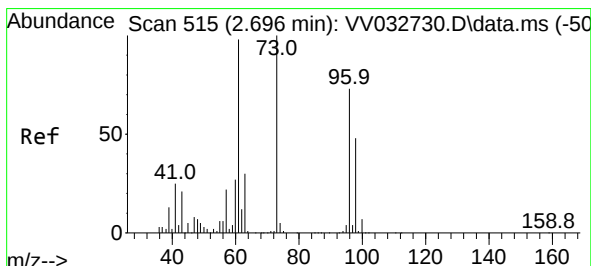
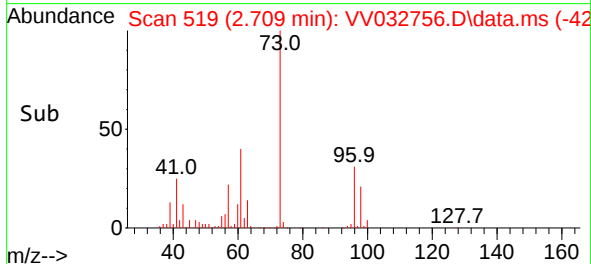
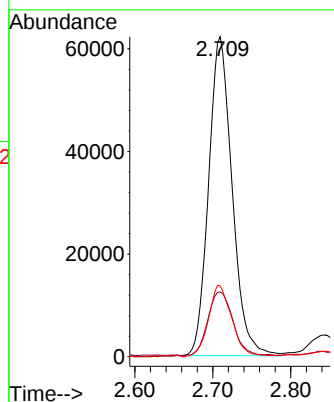
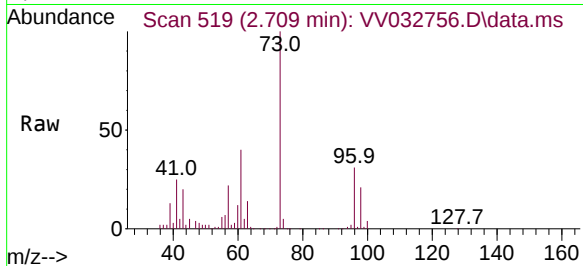




#17
Methyl tert-butyl Ether
Concen: 5.425 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

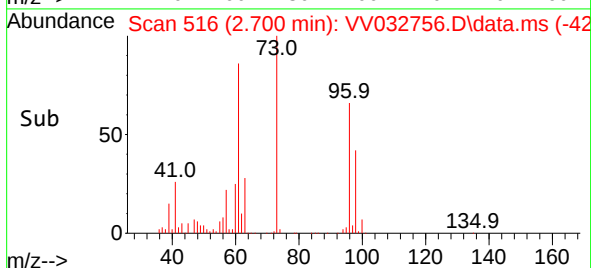
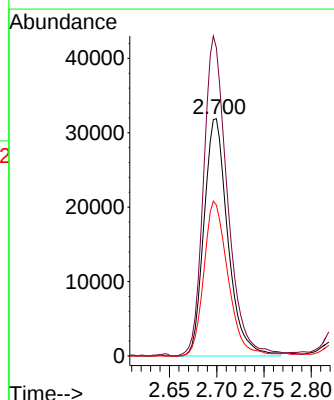
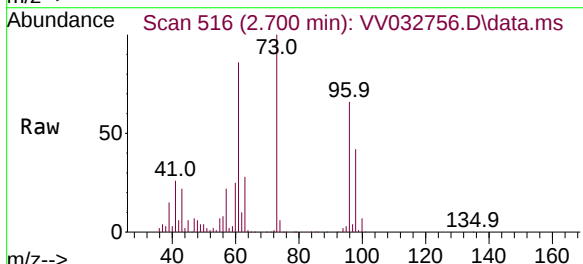
Instrument :
MSVOA_V
ClientSampleId :

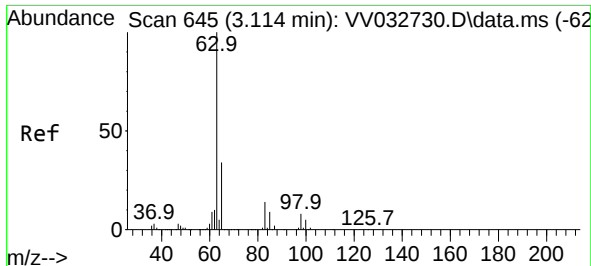
Tgt Ion: 73 Resp: 130456
Ion Ratio Lower Upper
73 100
43 21.1 16.6 24.8
57 22.2 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 5.091 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 96 Resp: 56079
Ion Ratio Lower Upper
96 100
61 129.9 88.7 164.7
98 63.6 44.4 82.4

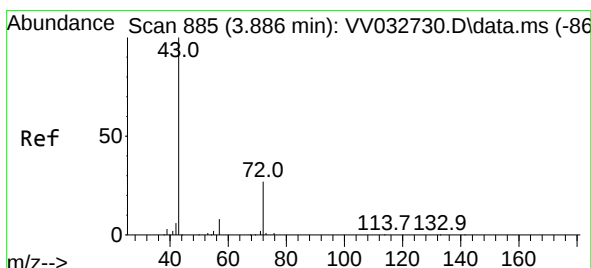
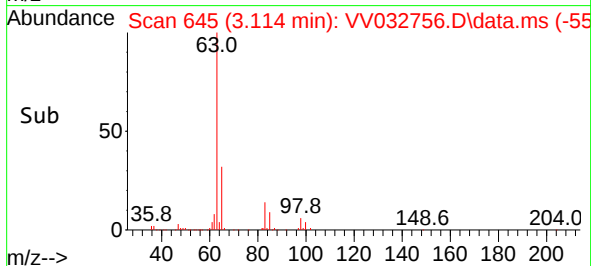
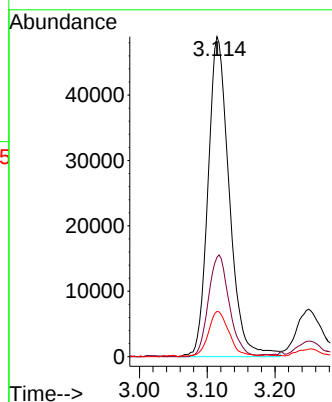
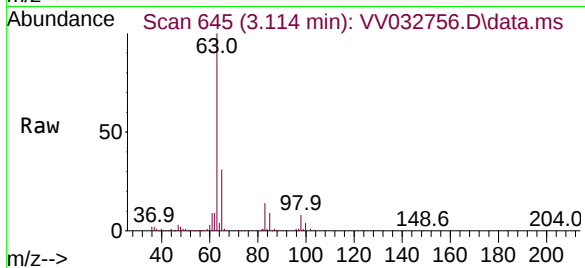




#19
1,1-Dichloroethane
Concen: 5.458 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

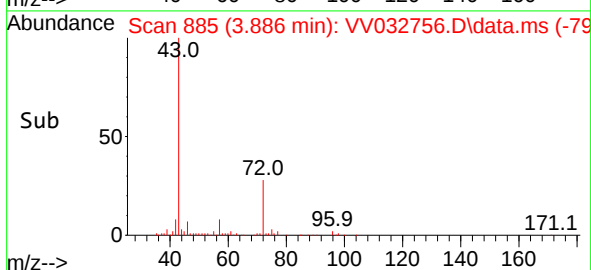
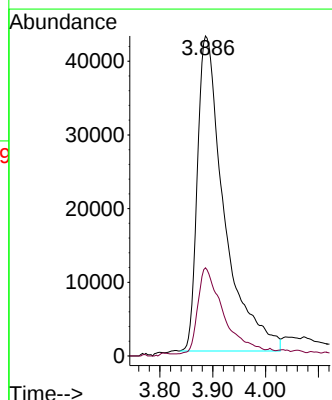
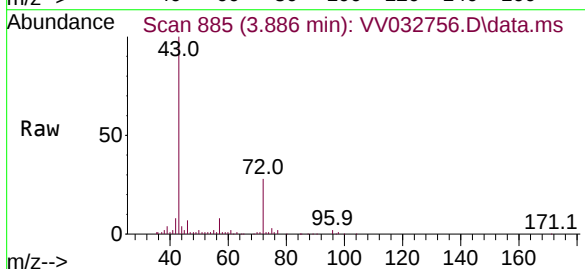
Instrument :
MSVOA_V
ClientSampleId :

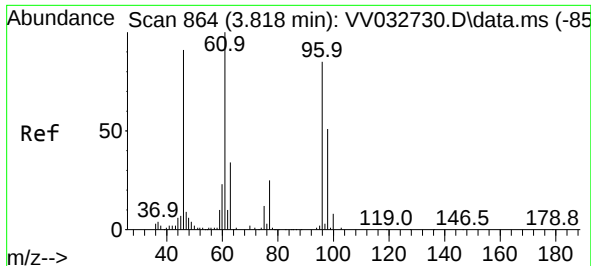
Tgt Ion: 63 Resp: 106588
Ion Ratio Lower Upper
63 100
65 31.0 21.5 39.9
83 14.2 9.2 17.0



#21
2-Butanone
Concen: 52.225 ug/L
RT: 3.886 min Scan# 885
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

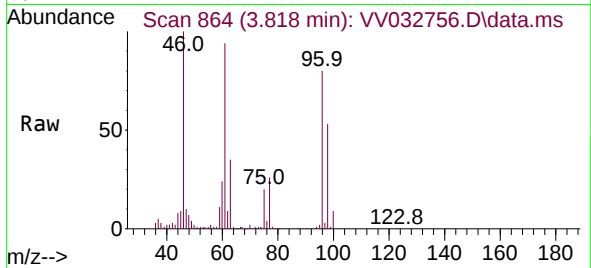
Tgt Ion: 43 Resp: 150654
Ion Ratio Lower Upper
43 100
72 26.6 10.4 31.2





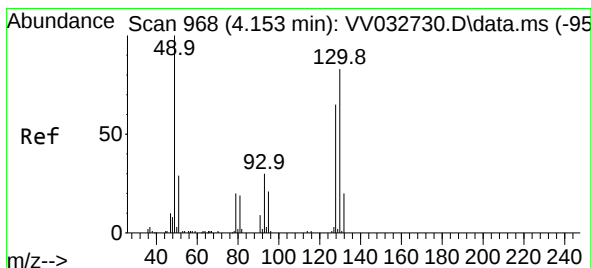
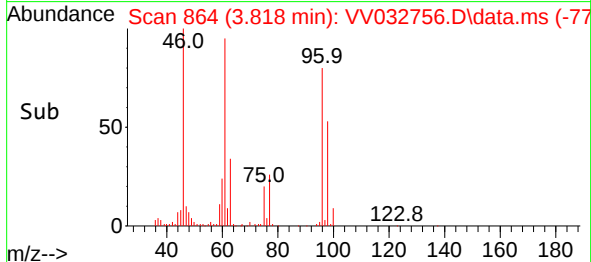
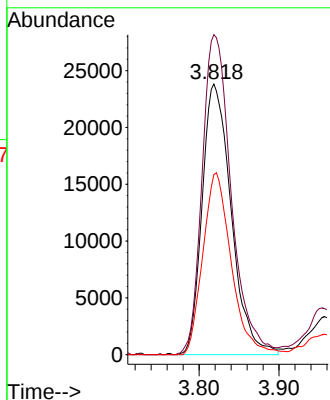
#22
 cis-1,2-Dichloroethene
 Concen: 5.397 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 60273

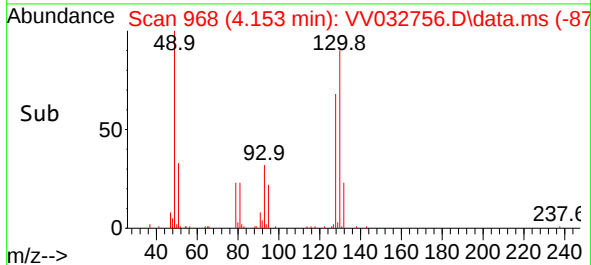
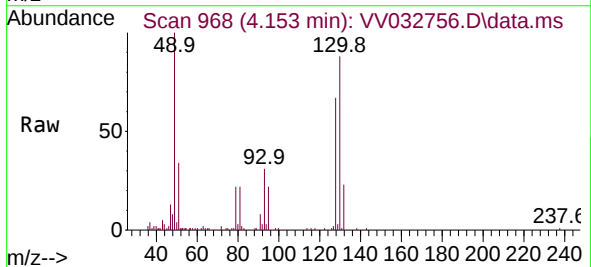
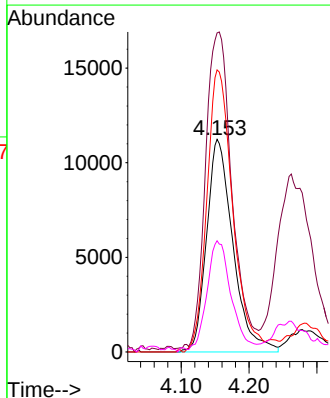
Ion	Ratio	Lower	Upper
96	100		
61	118.2	87.7	162.9
98	66.5	45.0	83.6

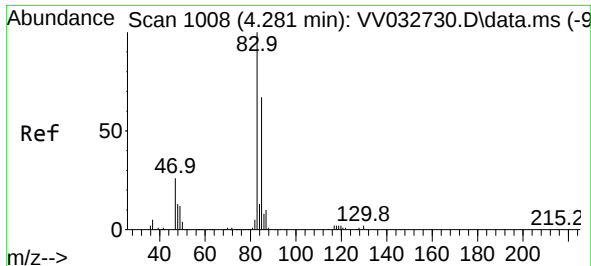


#23
 Bromochloromethane
 Concen: 5.845 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV032756.D
 Acq: 28 Oct 2023 20:57

Tgt Ion: 128 Resp: 30363

Ion	Ratio	Lower	Upper
128	100		
49	150.1	110.4	205.0
130	132.7	86.8	161.2
51	52.3	37.6	56.4

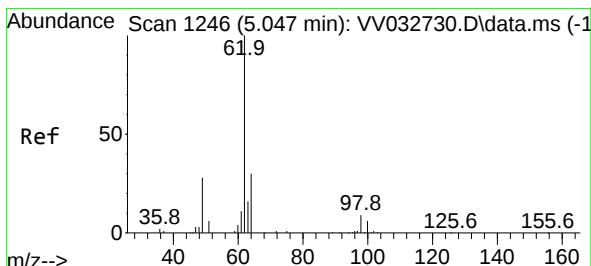
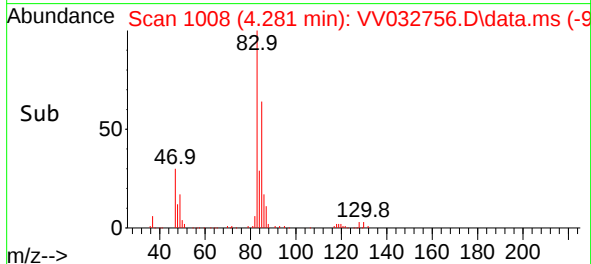
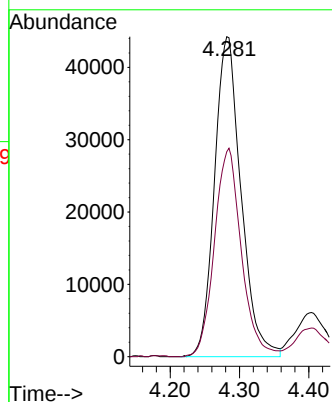
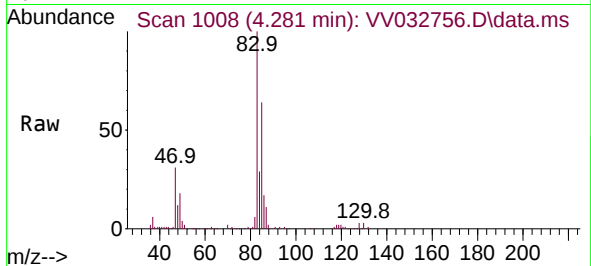




#25
Chloroform
Concen: 5.548 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

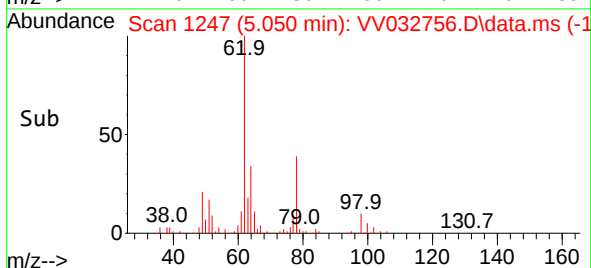
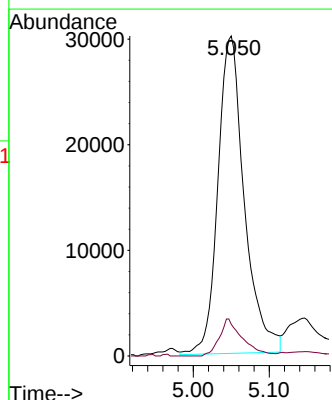
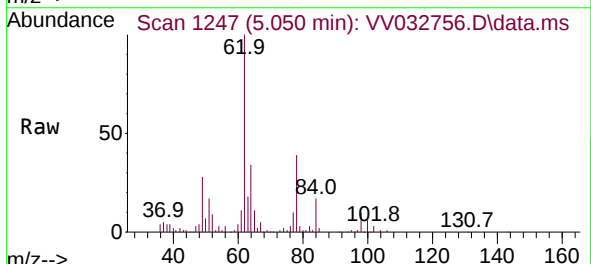
Instrument :
MSVOA_V
ClientSampleId :

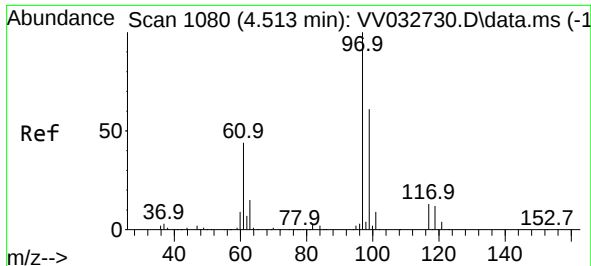
Tgt Ion: 83 Resp: 117773
Ion Ratio Lower Upper
83 100
85 64.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.510 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 62 Resp: 72711
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.067 ug/L

RT: 4.516 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

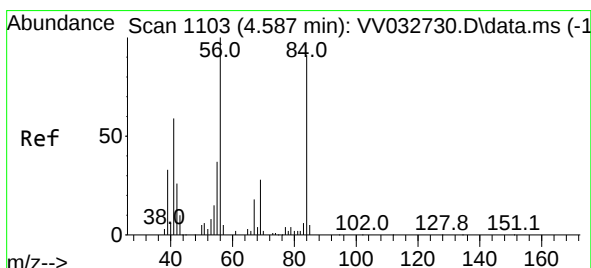
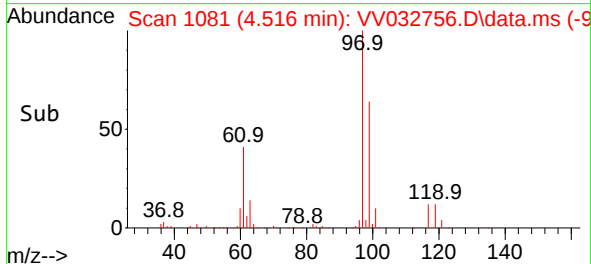
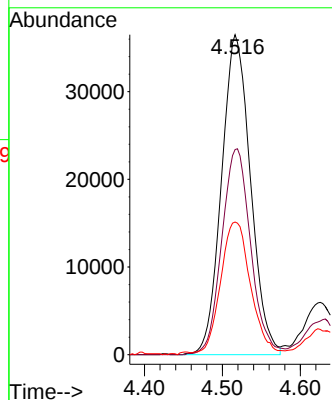
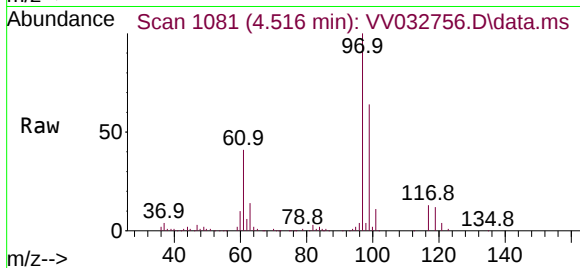
Tgt Ion: 97 Resp: 94238

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 41.8 36.1 54.1



#30

Cyclohexane

Concen: 4.013 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

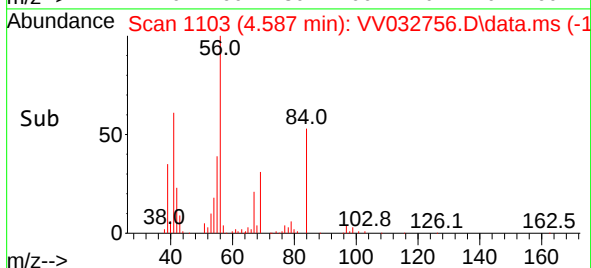
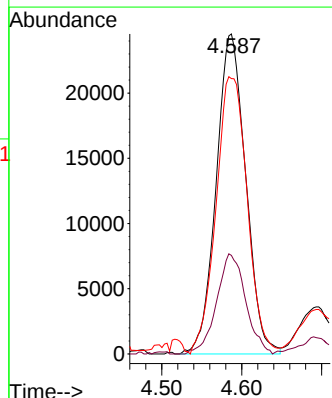
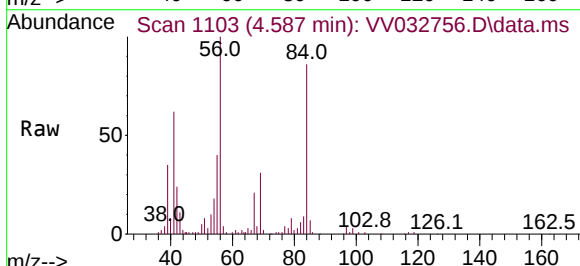
Tgt Ion: 56 Resp: 62898

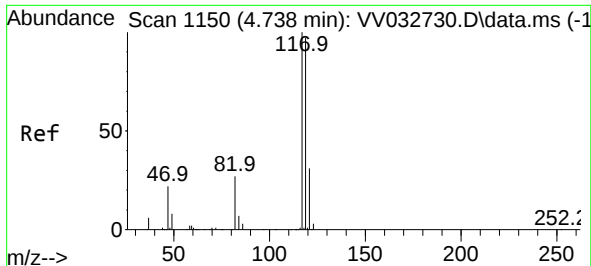
Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.6

84 91.7 72.9 109.3

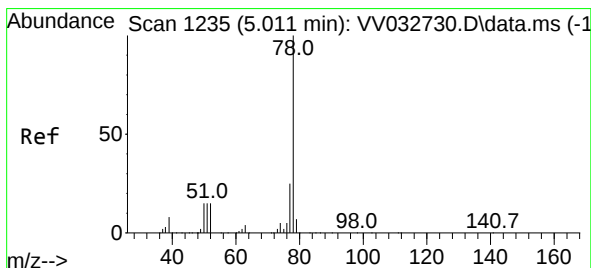
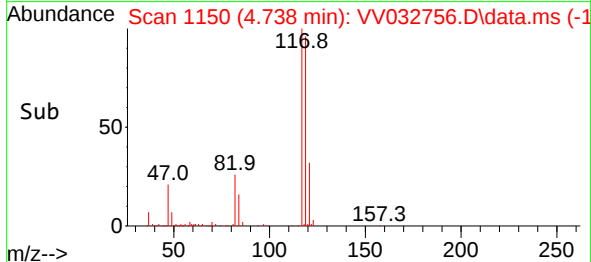
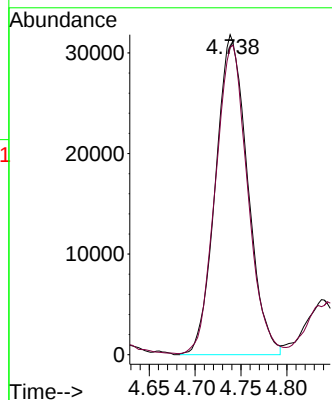
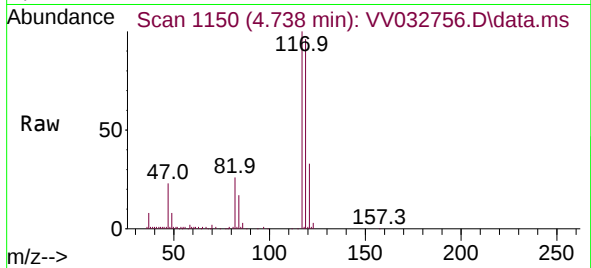




#31
Carbon tetrachloride
Concen: 4.772 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

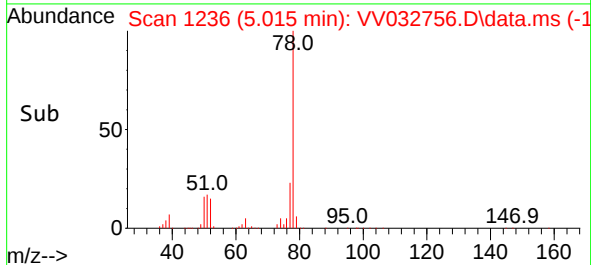
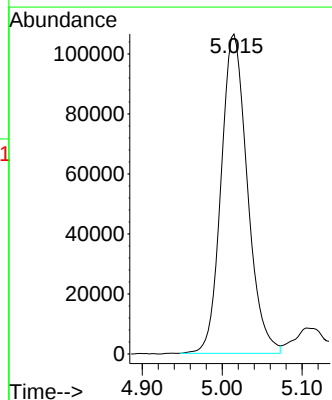
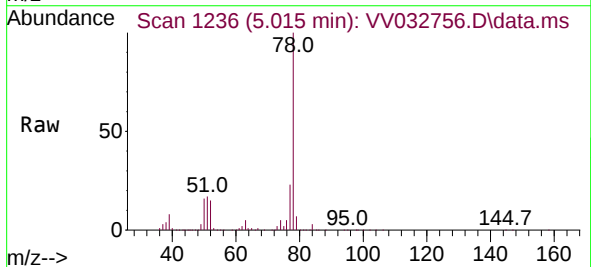
Instrument :
MSVOA_V
ClientSampleId :

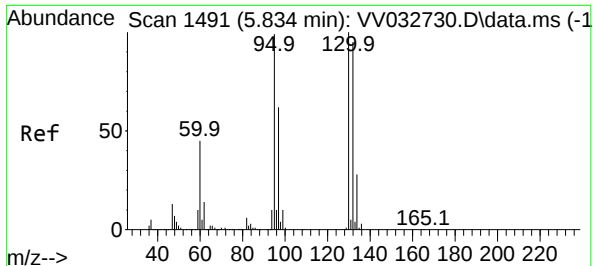
Tgt Ion:117 Resp: 77212
Ion Ratio Lower Upper
117 100
119 96.6 77.8 116.6



#33
Benzene
Concen: 5.340 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 78 Resp: 242685





#34

Trichloroethene

Concen: 4.738 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 57524

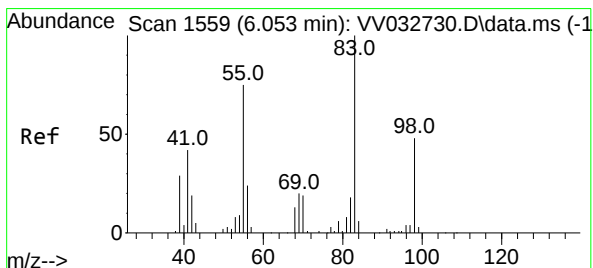
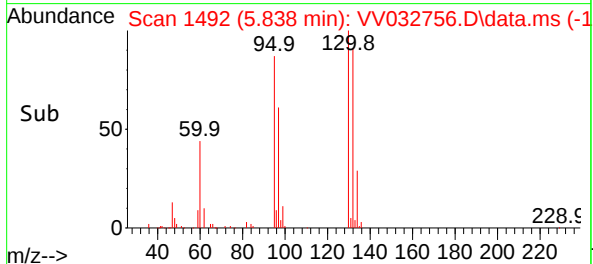
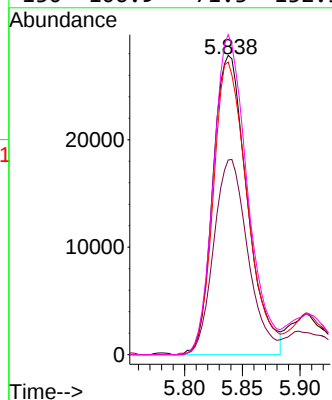
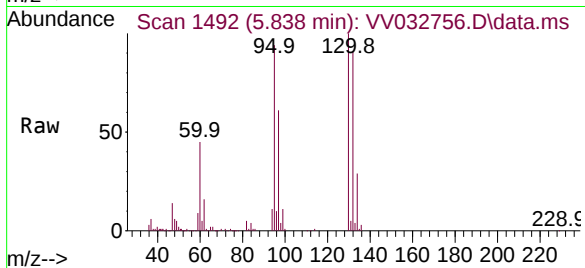
Ion Ratio Lower Upper

95 100

97 65.0 44.0 81.8

132 97.7 66.9 124.3

130 106.9 71.3 132.3



#35

Methylcyclohexane

Concen: 4.008 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

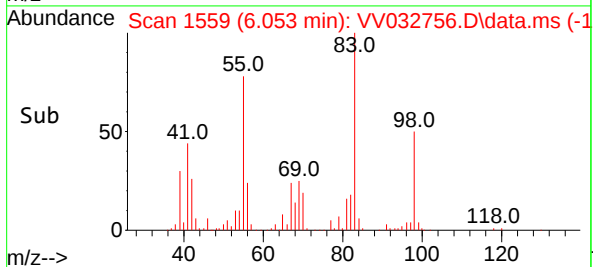
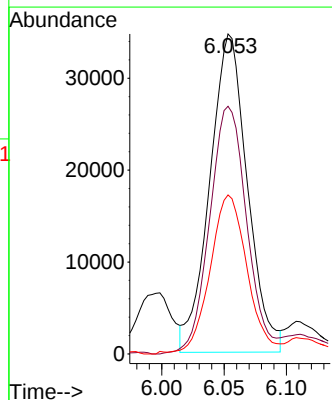
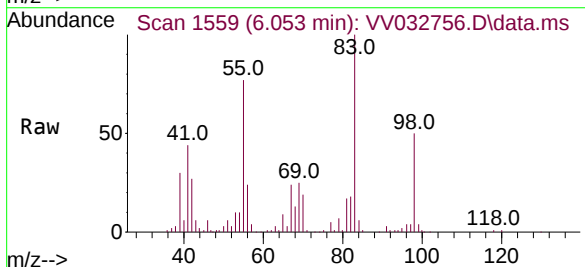
Tgt Ion: 83 Resp: 72701

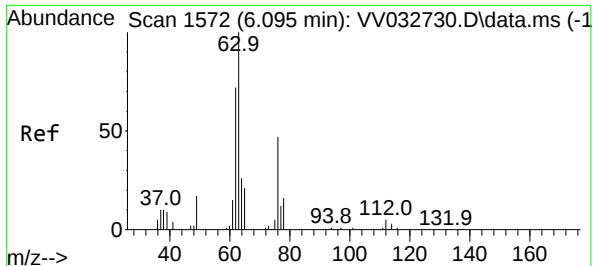
Ion Ratio Lower Upper

83 100

55 76.5 59.6 89.4

98 49.4 39.1 58.7





#37

1,2-Dichloropropane

Concen: 5.669 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

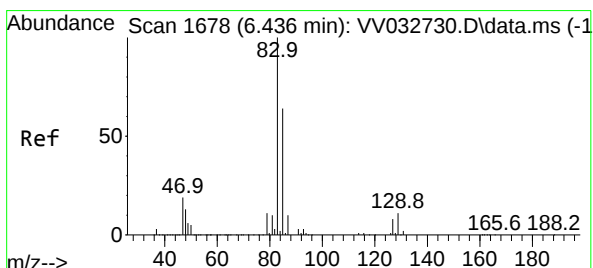
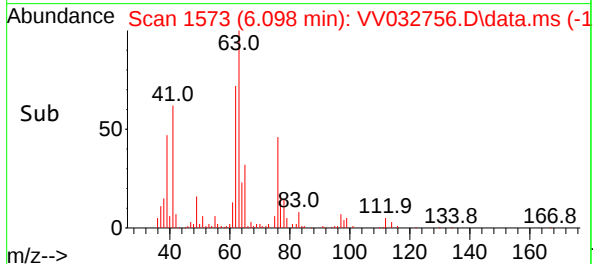
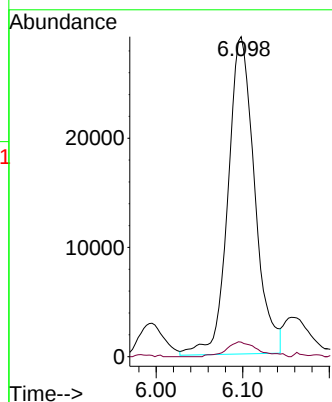
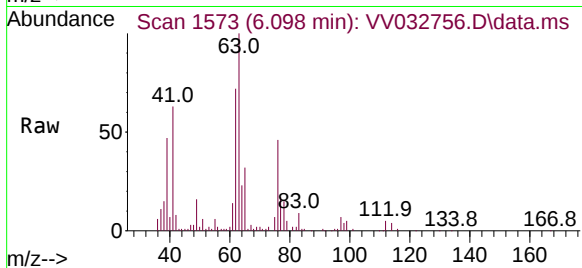
ClientSampleId :

Tgt Ion: 63 Resp: 62161

Ion Ratio Lower Upper

63 100

112 5.5 4.6 7.0



#38

Bromodichloromethane

Concen: 5.032 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

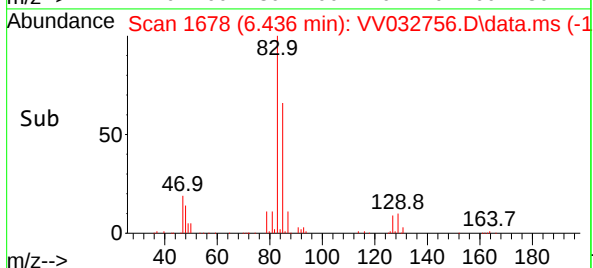
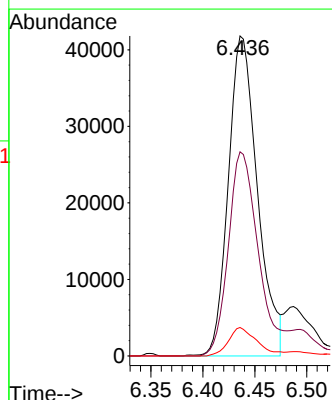
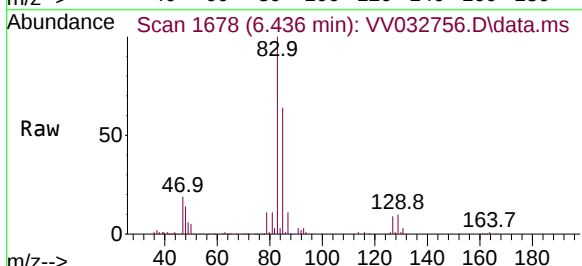
Tgt Ion: 83 Resp: 81523

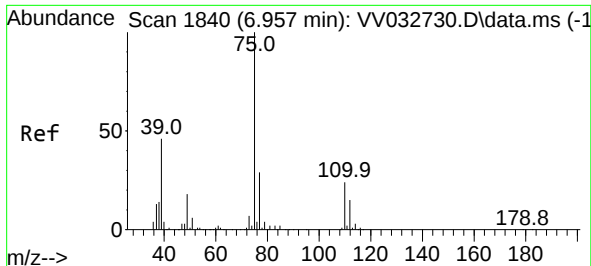
Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.5

127 8.9 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.915 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

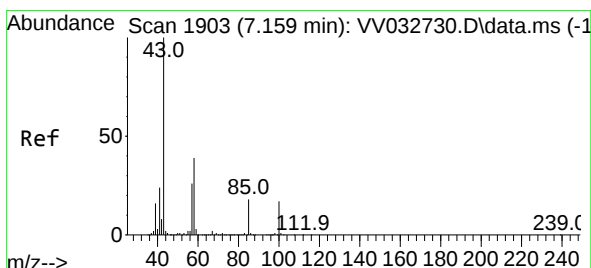
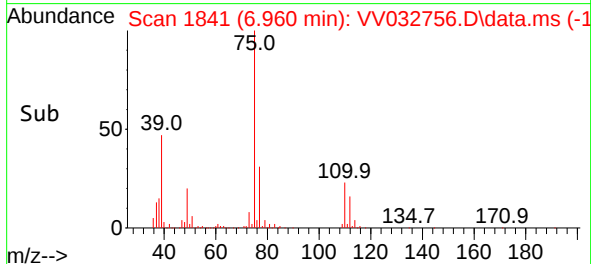
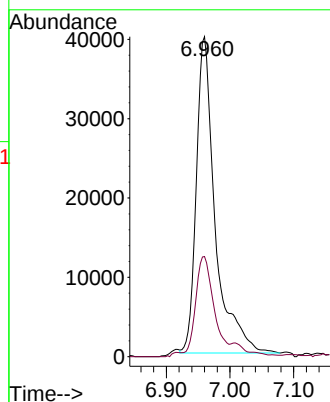
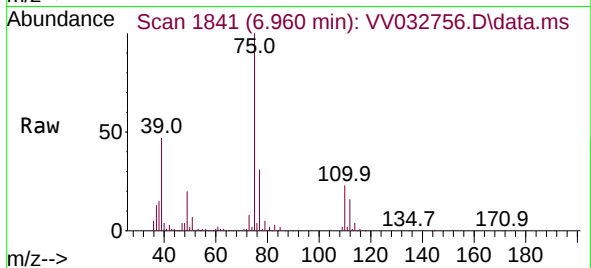
ClientSampleId :

Tgt Ion: 75 Resp: 82048

Ion Ratio Lower Upper

75 100

77 31.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 58.997 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

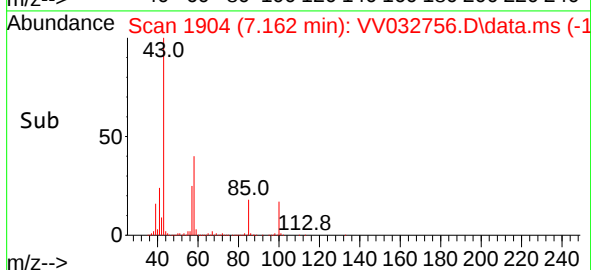
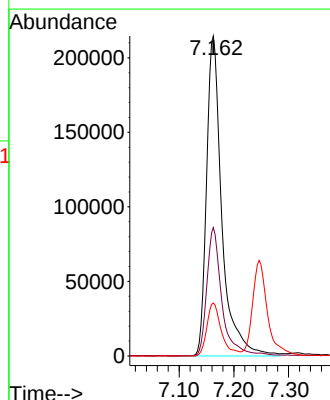
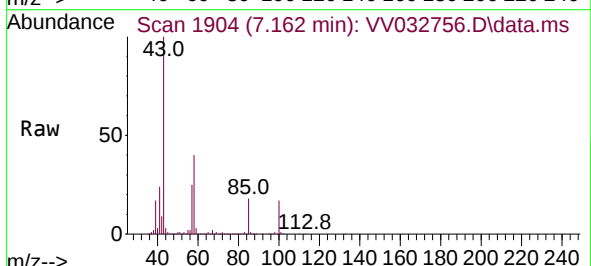
Tgt Ion: 43 Resp: 417427

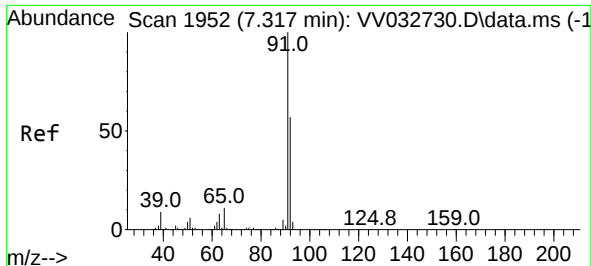
Ion Ratio Lower Upper

43 100

58 39.0 31.3 46.9

100 15.8 12.2 18.4





#42

Toluene

Concen: 5.329 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

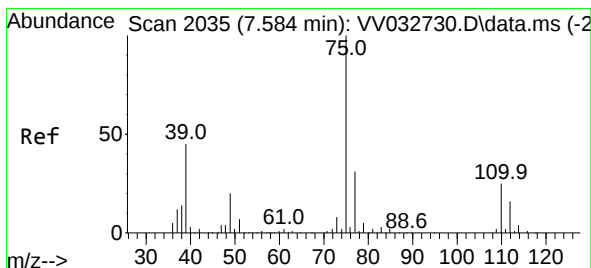
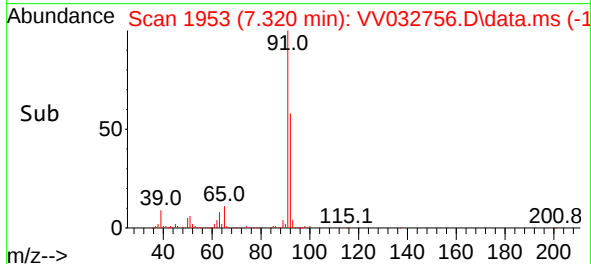
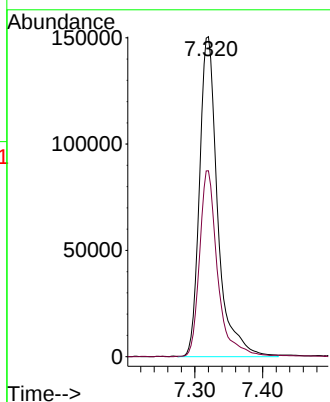
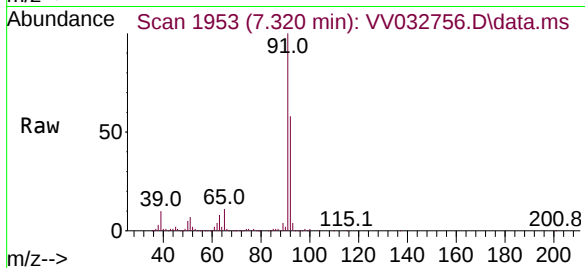
ClientSampleId :

Tgt Ion: 91 Resp: 281339

Ion Ratio Lower Upper

91 100

92 58.1 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.418 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032756.D

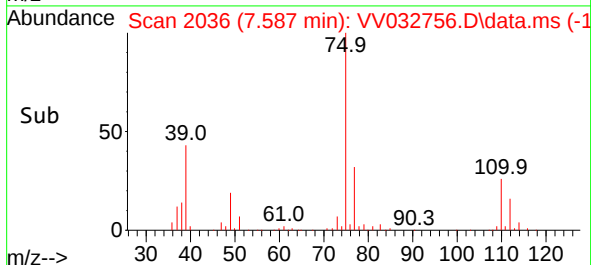
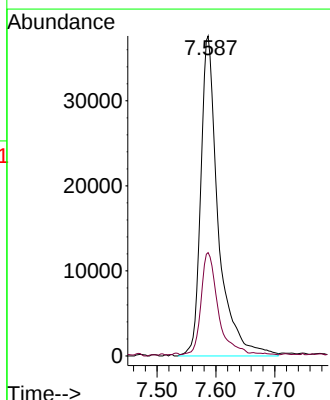
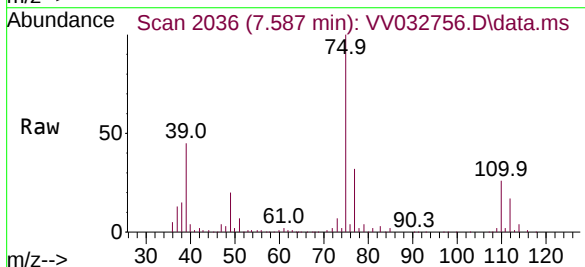
Acq: 28 Oct 2023 20:57

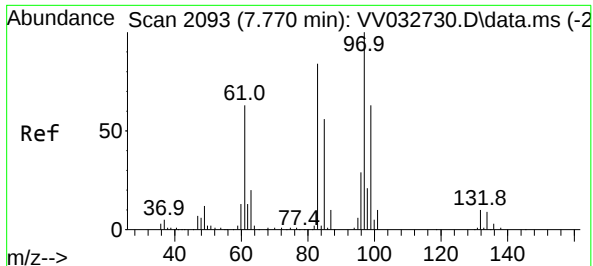
Tgt Ion: 75 Resp: 77832

Ion Ratio Lower Upper

75 100

77 32.3 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 5.680 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 52601

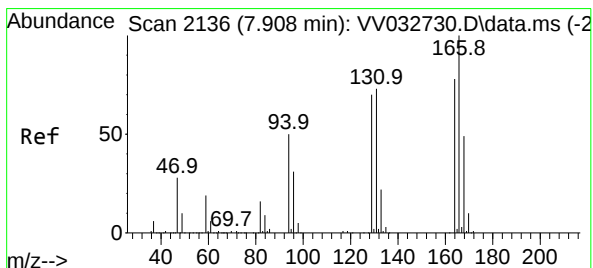
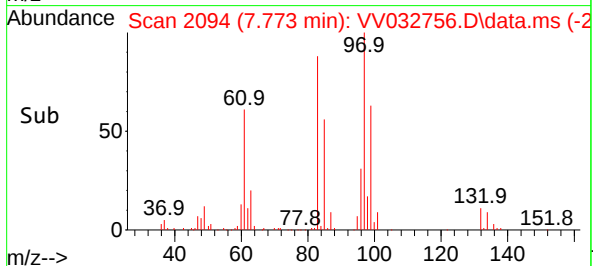
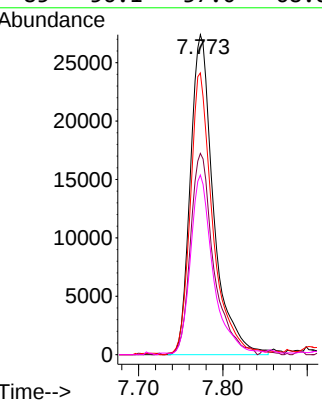
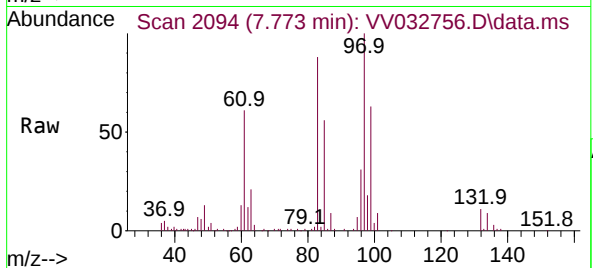
Ion Ratio Lower Upper

97 100

99 62.9 44.0 81.8

83 88.1 59.9 111.3

85 56.1 37.0 68.8



#47

Tetrachloroethene

Concen: 4.795 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Tgt Ion:164 Resp: 51447

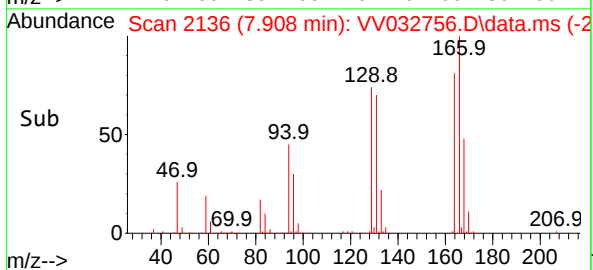
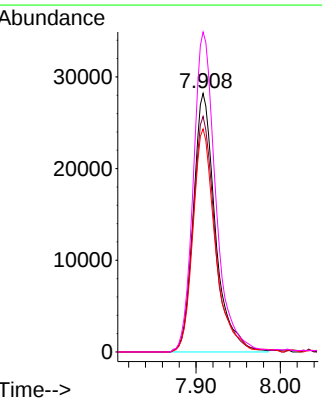
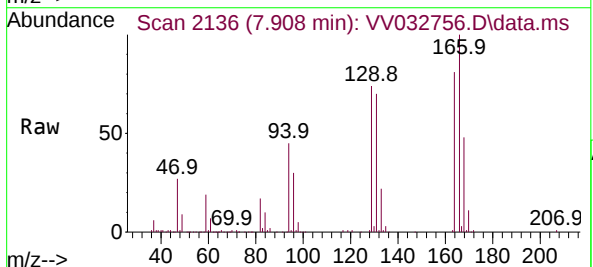
Ion Ratio Lower Upper

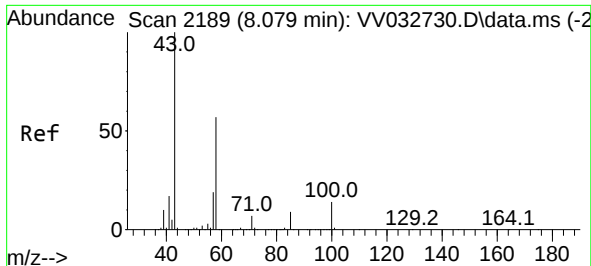
164 100

129 91.1 65.3 121.3

131 86.2 66.6 123.8

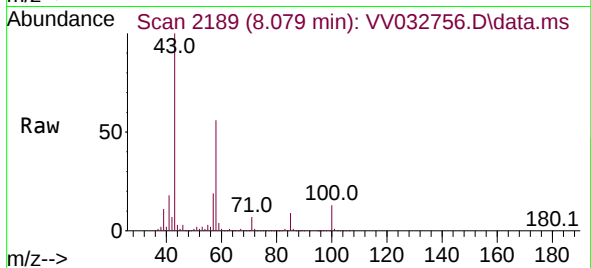
166 123.7 91.6 170.2





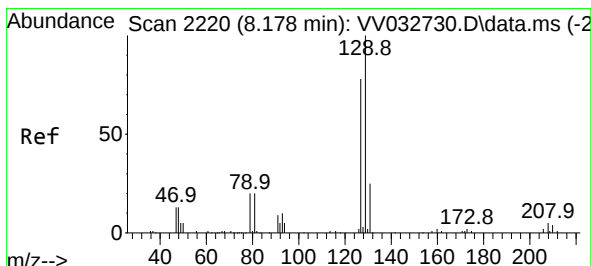
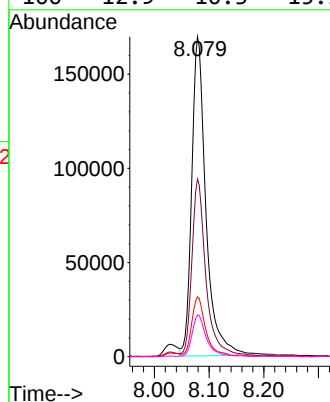
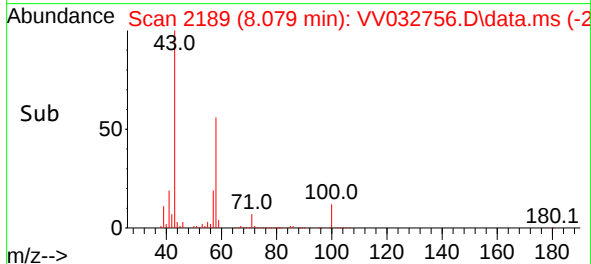
#48
2-Hexanone
Concen: 59.472 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 307767

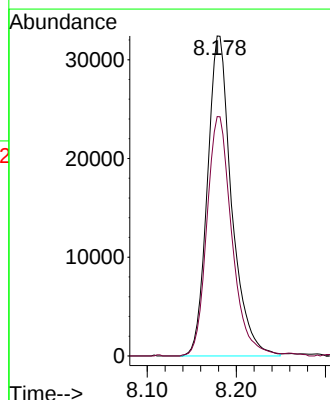
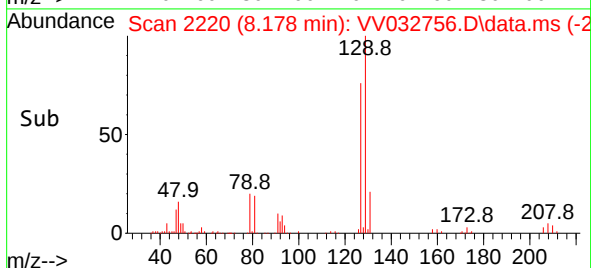
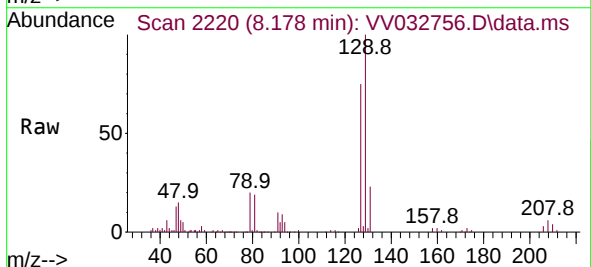
Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.8	65.6
57	17.7	15.1	22.7
100	12.9	10.3	15.5

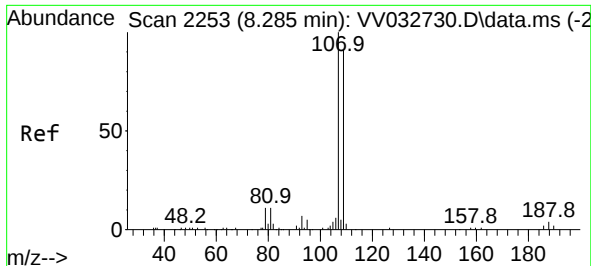


#49
Dibromochloromethane
Concen: 5.577 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 129 Resp: 61271

Ion	Ratio	Lower	Upper
129	100		
127	74.8	54.0	100.4





#50

1,2-Dibromoethane

Concen: 5.749 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032756.D

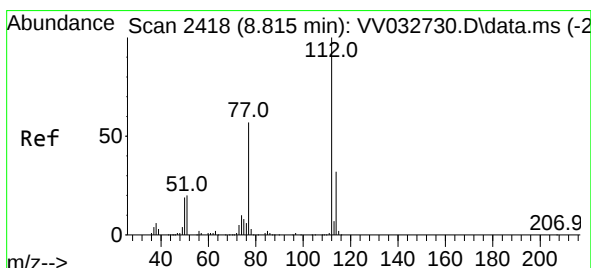
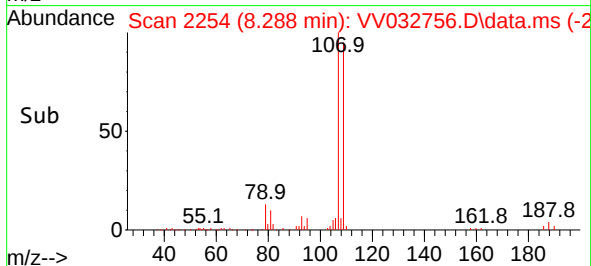
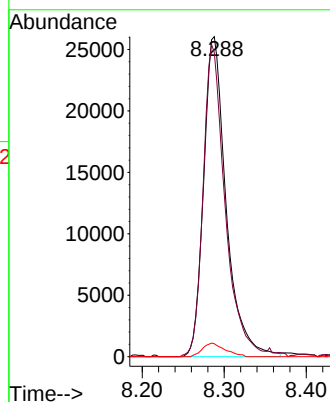
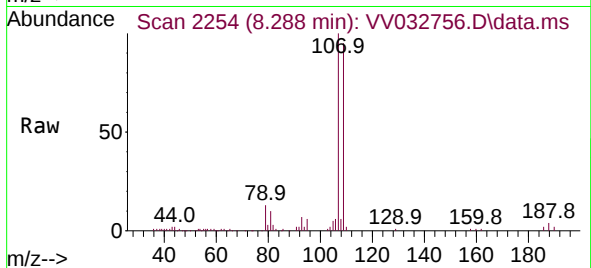
Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	49686
Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.4	123.4
188	4.1	2.9	4.3



#51

Chlorobenzene

Concen: 5.129 ug/L

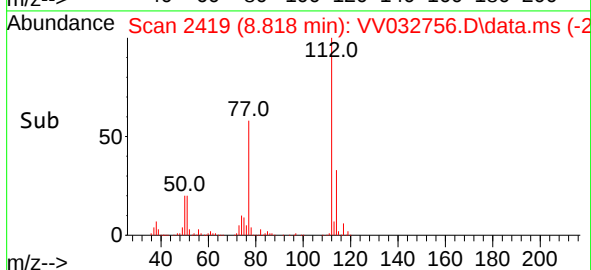
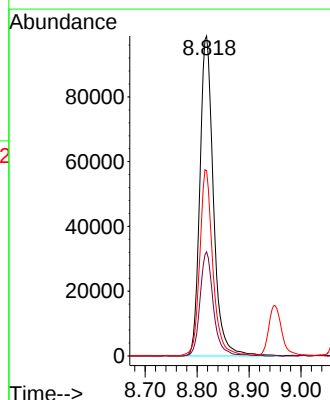
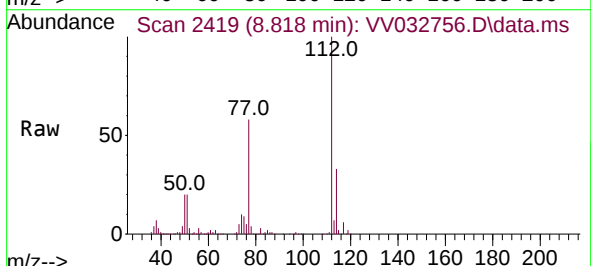
RT: 8.818 min Scan# 2419

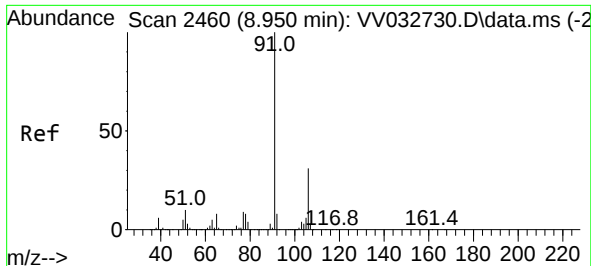
Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Tgt Ion:	112	Resp:	178898
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.3
77	57.9	45.7	68.5

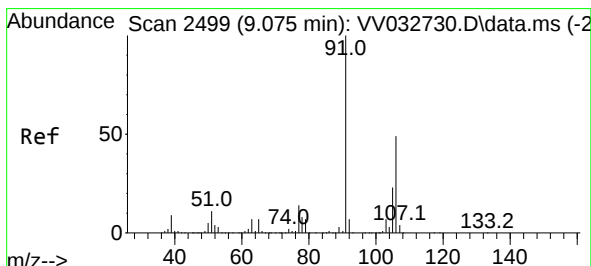
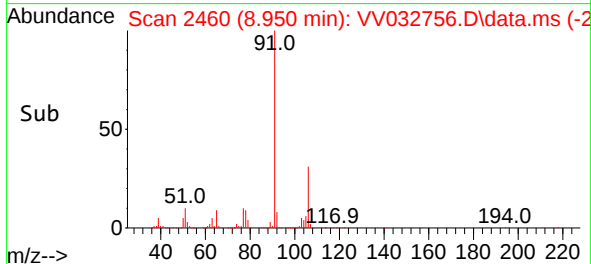
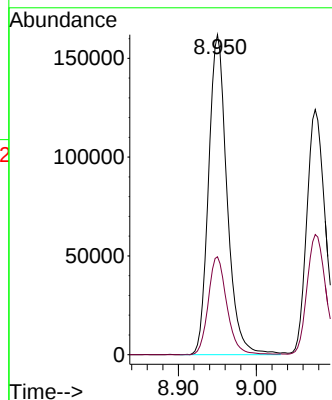
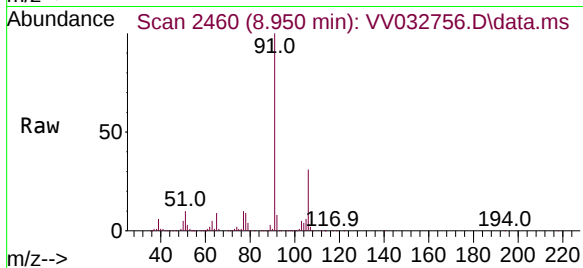




#52
Ethylbenzene
Concen: 4.806 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

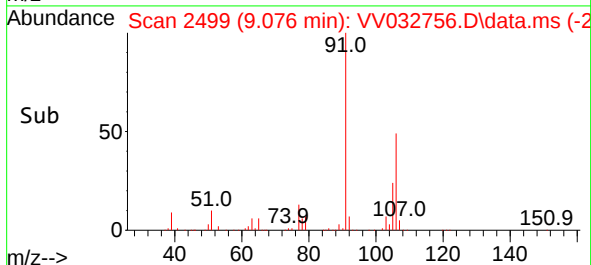
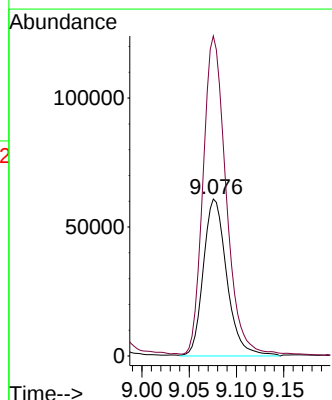
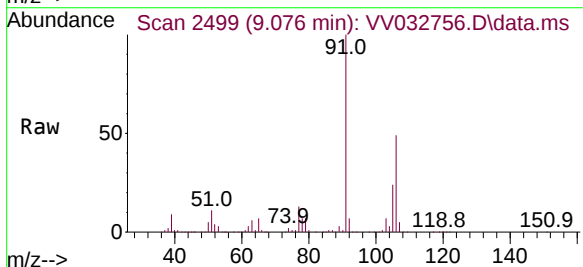
Instrument :
MSVOA_V
ClientSampleId :

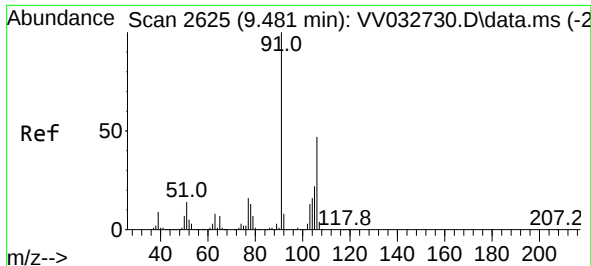
Tgt Ion: 91 Resp: 266728
Ion Ratio Lower Upper
91 100
106 30.6 20.9 38.9



#53
m,p-Xylene
Concen: 5.004 ug/L
RT: 9.076 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 106 Resp: 105170
Ion Ratio Lower Upper
106 100
91 203.9 139.3 258.7

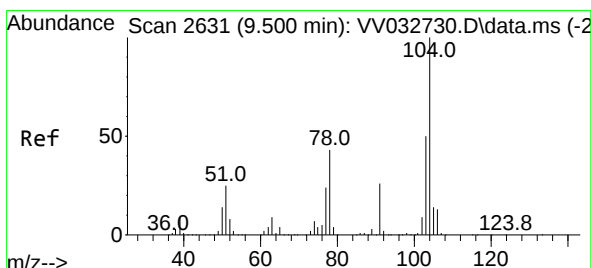
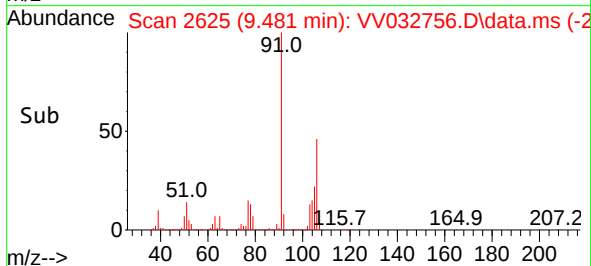
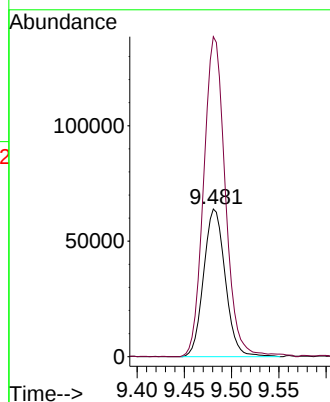
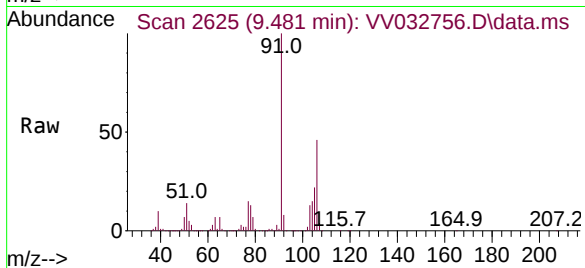




#54
o-Xylene
Concen: 4.997 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

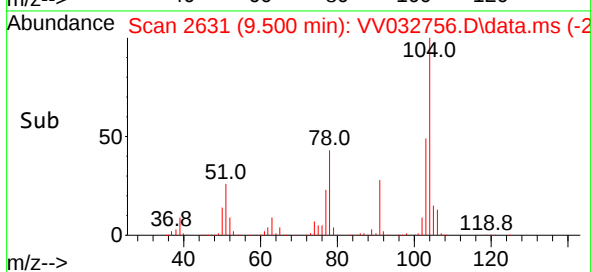
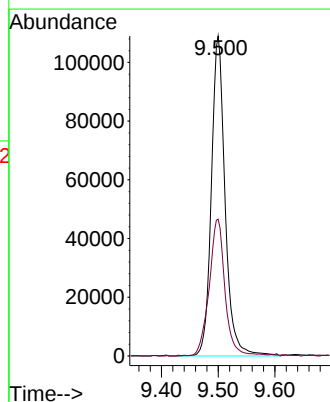
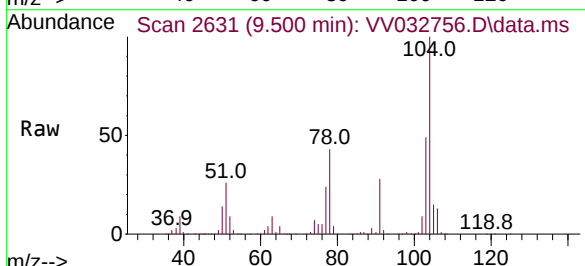
Instrument :
MSVOA_V
ClientSampleId :

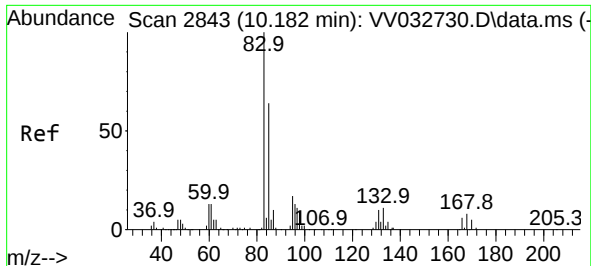
Tgt Ion:106 Resp: 101875
Ion Ratio Lower Upper
106 100
91 216.6 147.4 273.8



#55
Styrene
Concen: 5.451 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion:104 Resp: 184109
Ion Ratio Lower Upper
104 100
78 42.8 30.5 56.7

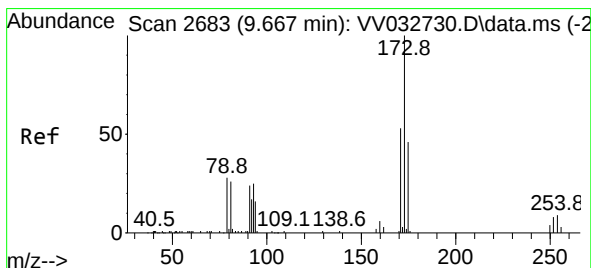
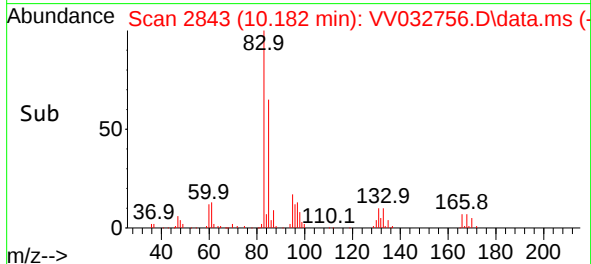
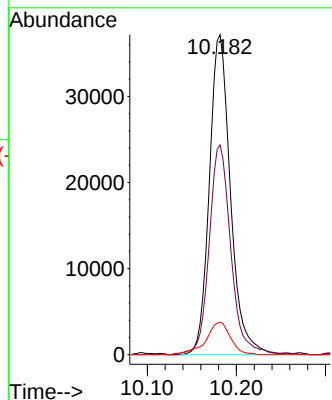
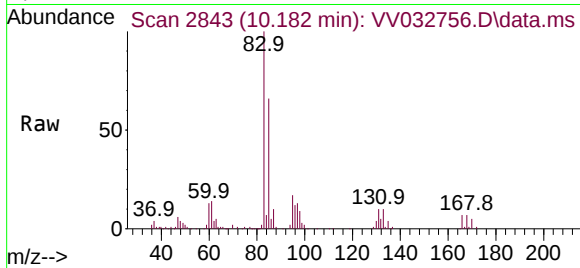




#57
1,1,2,2-Tetrachloroethane
Concen: 5.664 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

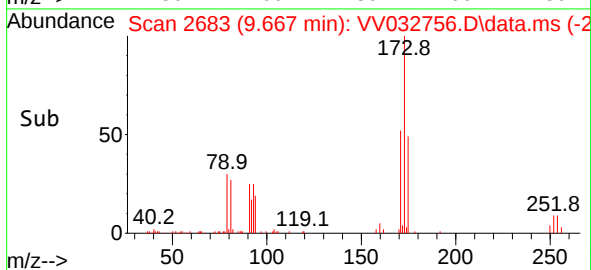
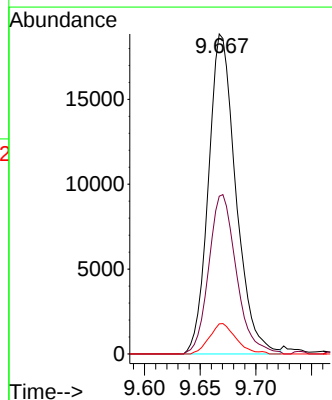
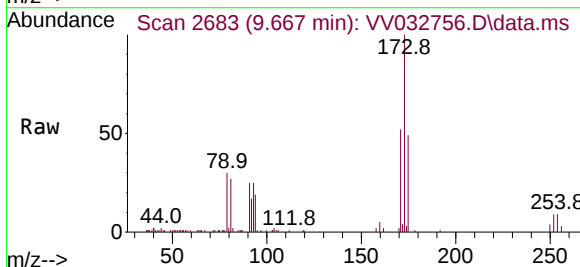
Instrument :
MSVOA_V
ClientSampleId :

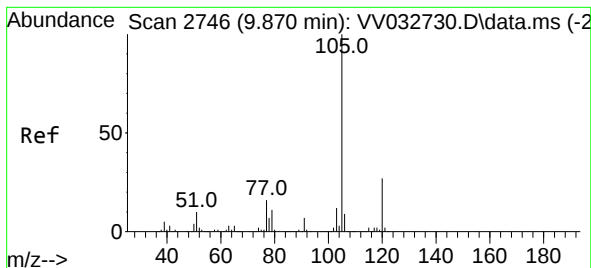
Tgt Ion: 83 Resp: 61186
Ion Ratio Lower Upper
83 100
85 65.6 44.0 81.8
131 10.1 7.8 11.8



#59
Bromoform
Concen: 5.386 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032756.D
Acq: 28 Oct 2023 20:57

Tgt Ion: 173 Resp: 32307
Ion Ratio Lower Upper
173 100
175 50.1 38.4 57.6
254 9.2 6.9 10.3





#60

Isopropylbenzene

Concen: 4.654 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

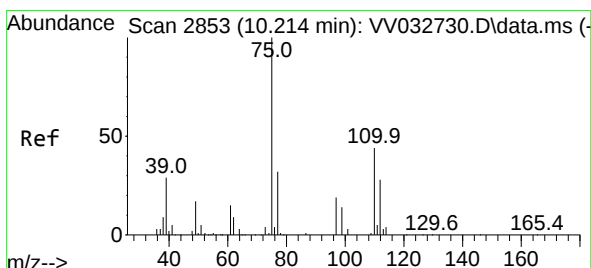
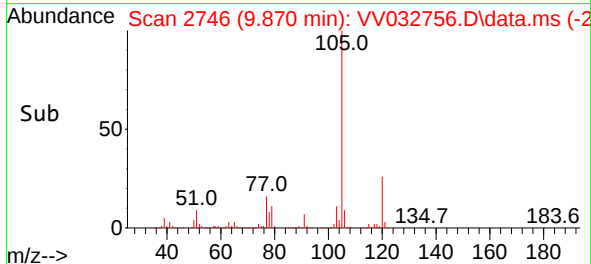
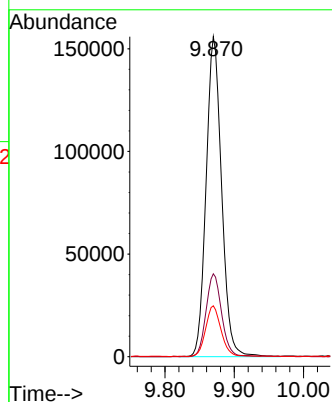
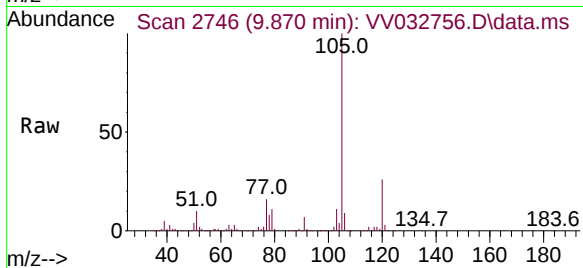
Tgt Ion:105 Resp: 241483

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

77 15.7 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.457 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

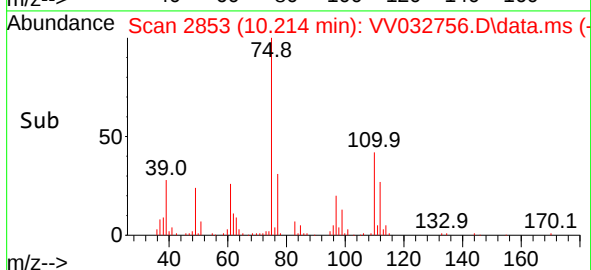
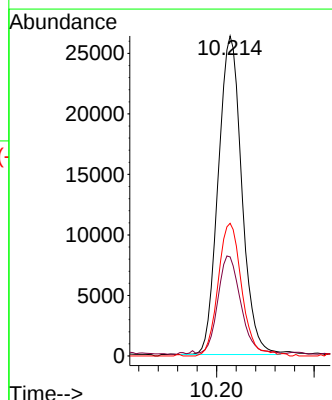
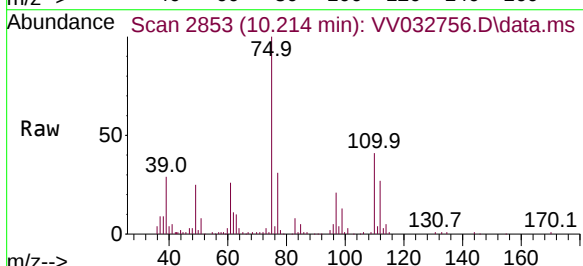
Tgt Ion: 75 Resp: 44122

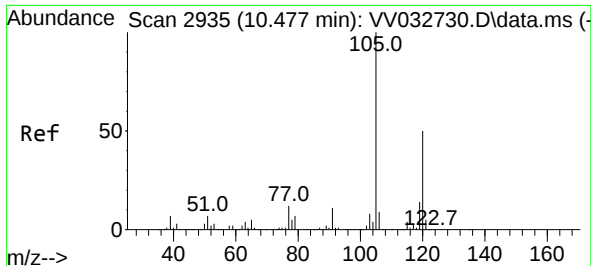
Ion Ratio Lower Upper

75 100

77 29.5 24.5 36.7

110 42.0 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 4.564 ug/L

RT: 10.481 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

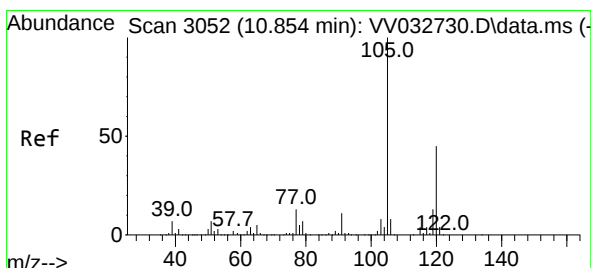
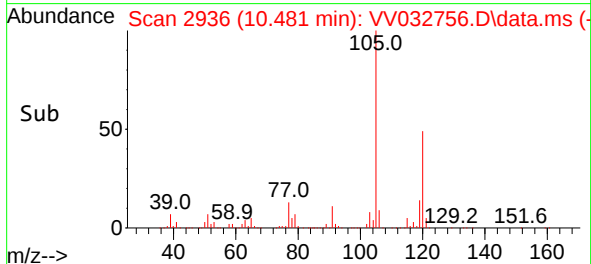
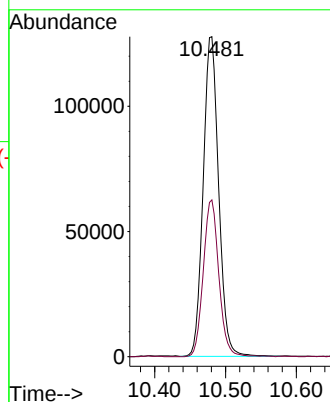
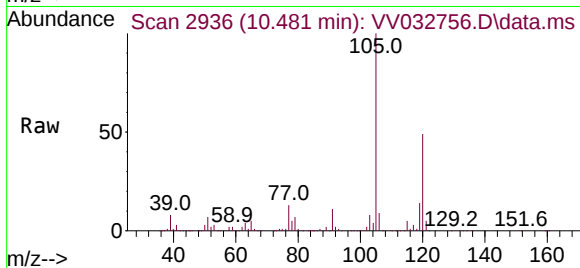
ClientSampleId :

Tgt Ion:105 Resp: 193591

Ion Ratio Lower Upper

105 100

120 49.4 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 4.722 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032756.D

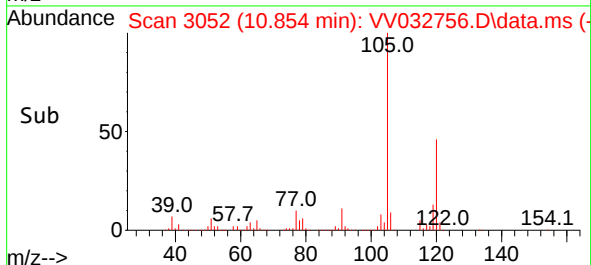
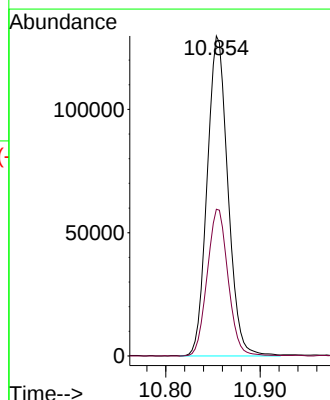
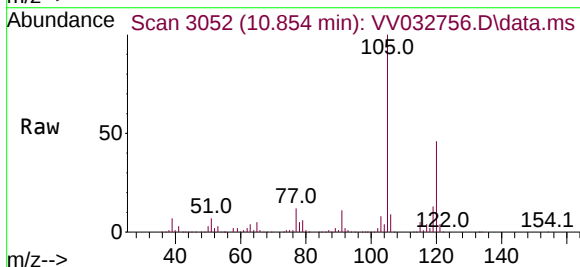
Acq: 28 Oct 2023 20:57

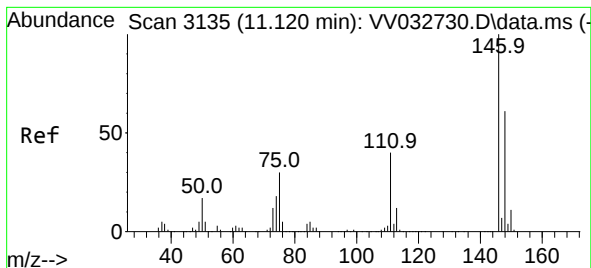
Tgt Ion:105 Resp: 197919

Ion Ratio Lower Upper

105 100

120 46.2 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 5.021 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

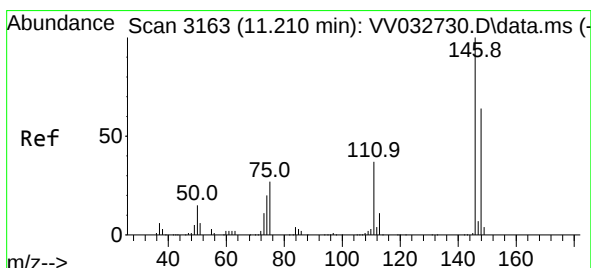
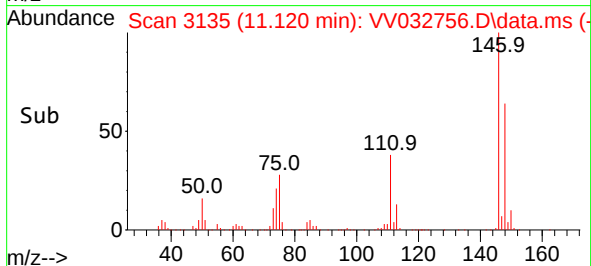
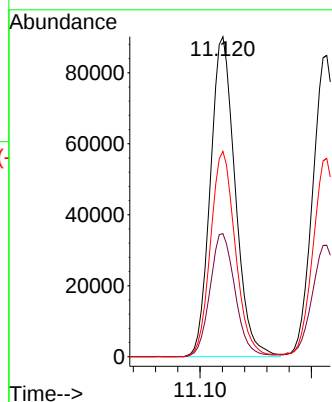
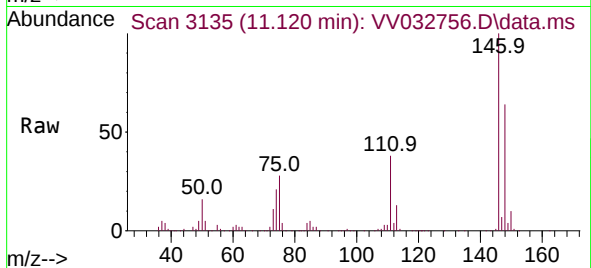
Tgt Ion:146 Resp: 139784

Ion Ratio Lower Upper

146 100

111 38.5 26.8 49.8

148 64.2 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 4.913 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

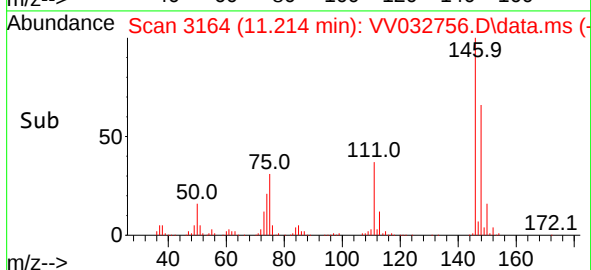
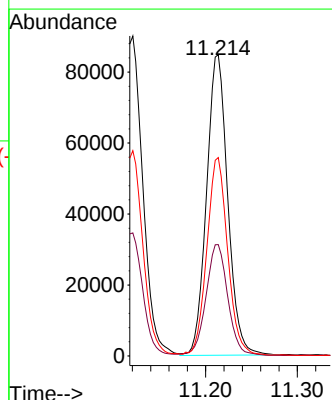
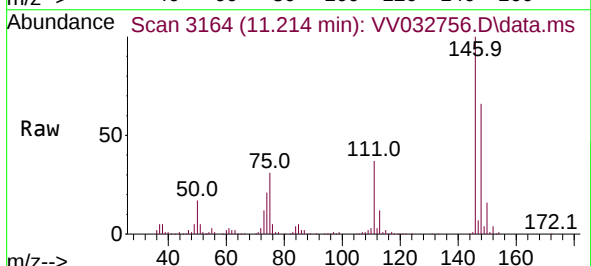
Tgt Ion:146 Resp: 135778

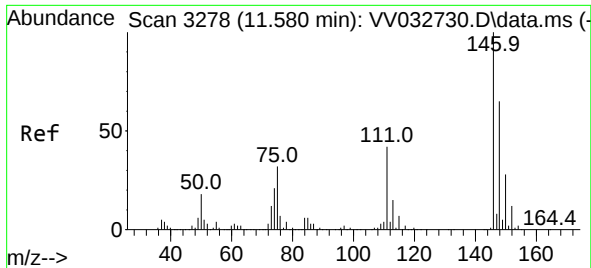
Ion Ratio Lower Upper

146 100

111 37.0 26.2 48.8

148 65.9 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.228 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

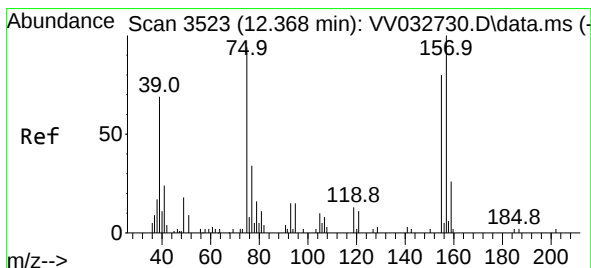
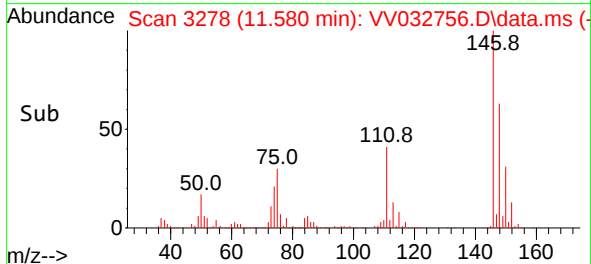
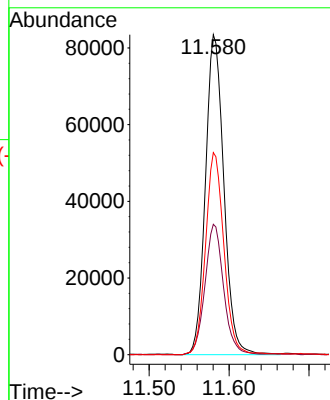
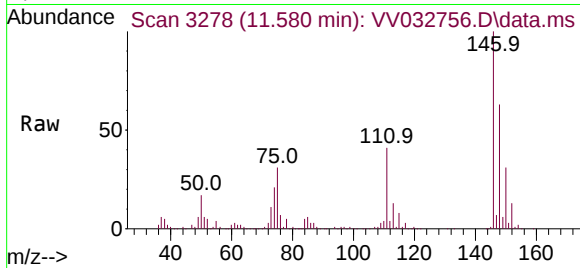
Tgt Ion:146 Resp: 133864

Ion Ratio Lower Upper

146 100

111 40.7 34.2 51.4

148 63.2 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.570 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

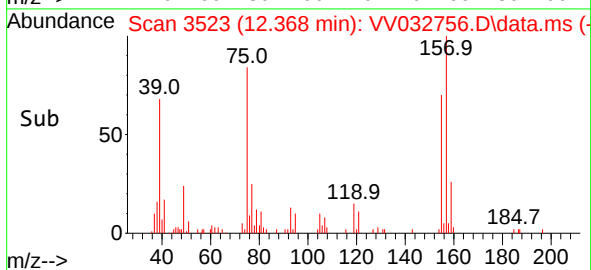
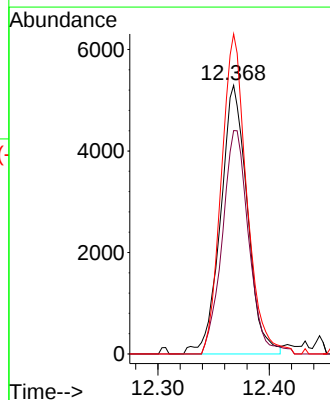
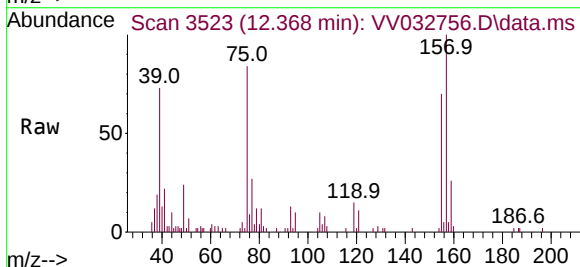
Tgt Ion: 75 Resp: 8830

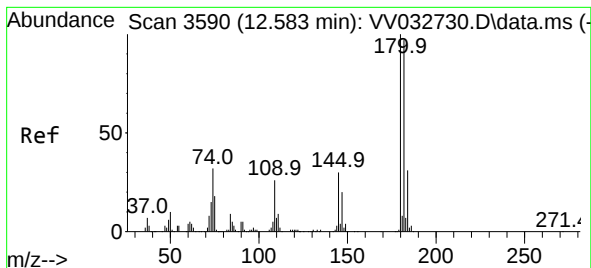
Ion Ratio Lower Upper

75 100

155 83.1 70.1 105.1

157 119.1 90.2 135.2





#69

1,3,5-Trichlorobenzene

Concen: 4.553 ug/L

RT: 12.587 min Scan# 3590

Delta R.T. 0.003 min

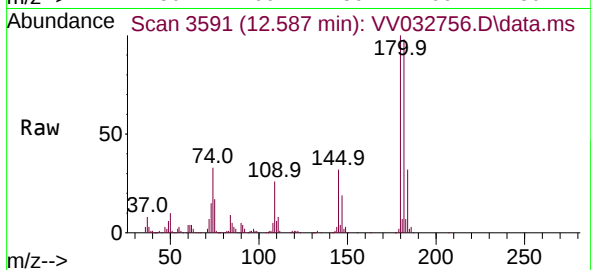
Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 90487

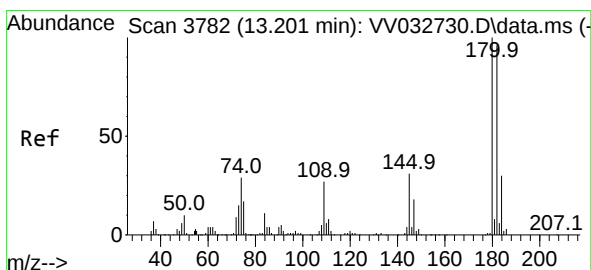
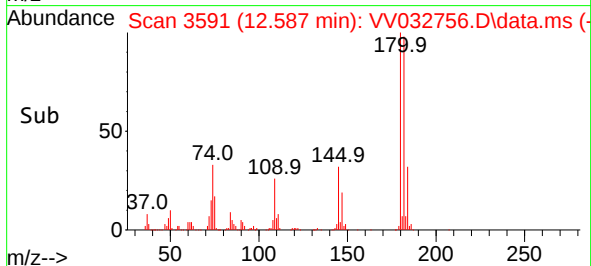
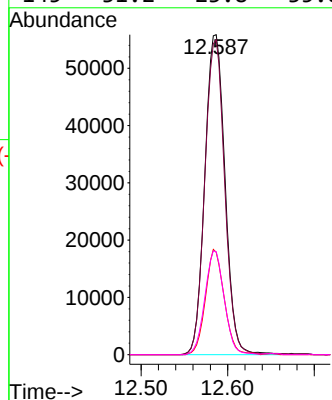
Ion Ratio Lower Upper

180 100

182 96.5 76.6 115.0

184 30.6 24.3 36.5

145 31.2 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 4.501 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

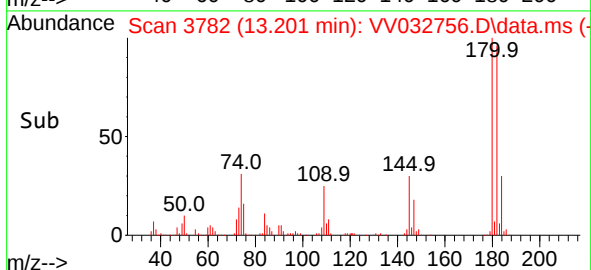
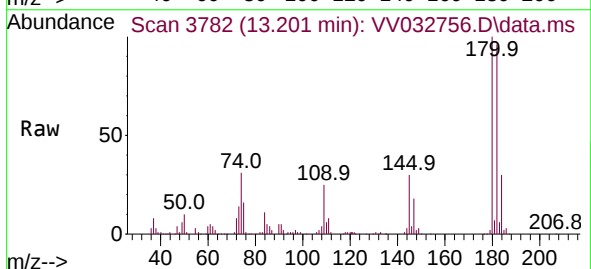
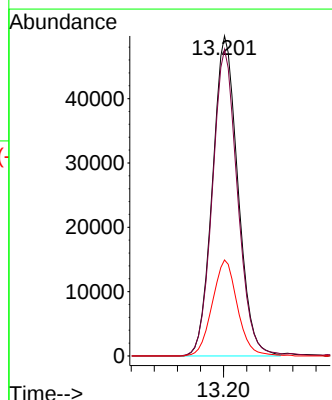
Tgt Ion:180 Resp: 75902

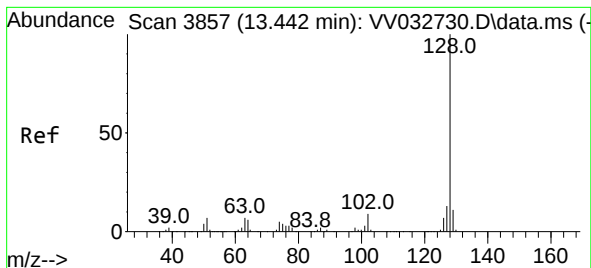
Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

145 29.8 25.0 37.4





#71

Naphthalene

Concen: 4.494 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032756.D

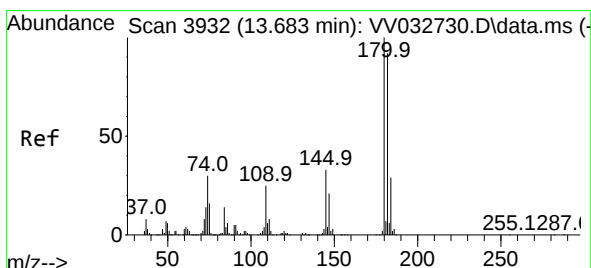
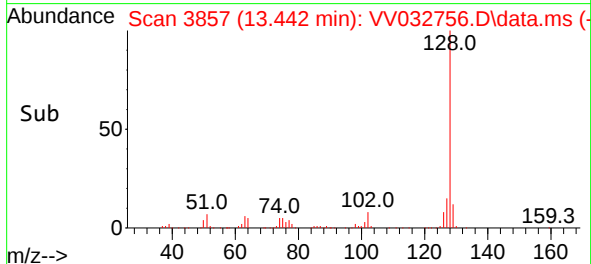
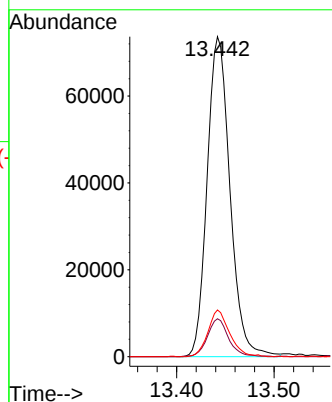
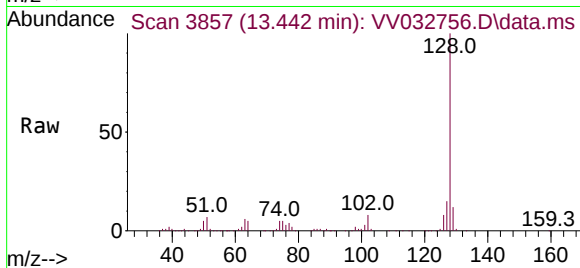
Acq: 28 Oct 2023 20:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	120103
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.8	10.4	15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.842 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032756.D

Acq: 28 Oct 2023 20:57

Tgt Ion:	180	Resp:	71790
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.4	113.2
145	32.9	26.4	39.6

