

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032728.D
 Acq On : 28 Oct 2023 09:29
 Operator : SY/MD
 Sample : 05019-02MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 01:15:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 02:08:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	137808	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	161765	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	88291	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	48824	4.314	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.536	69	47102	4.897	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.060	65	20996	4.133	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	3.802	46	97784	40.009	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.020%
24) Chloroform-d	4.252	84	96824	5.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	4.947	65	45263	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	4.963	84	180971	4.699	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	5.992	67	51272	4.597	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.246	98	189748	4.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	7.558	79	21347	4.338	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.027	63	83580	42.854	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.700%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	44489	4.486	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	66228	4.594	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	69395	4.906	ug/L	99
3) Chloromethane	1.217	50	79496	4.764	ug/L	100
5) Vinyl chloride	1.285	62	77333	4.670	ug/L	100
6) Bromomethane	1.491	94	44427	4.597	ug/L	100
8) Chloroethane	1.552	64	54249	5.009	ug/L	99
9) Trichlorofluoromethane	1.716	101	106855	4.793	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	61333	4.665	ug/L	97
12) 1,1-Dichloroethene	2.069	96	58987	4.789	ug/L	97
13) Acetone	2.130	43	97458	40.393	ug/L	87
14) Carbon disulfide	2.243	76	179020	4.588	ug/L	99
15) Methyl Acetate	2.388	43	16446	3.404	ug/L	98
16) Methylene chloride	2.449	84	67043	4.422	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	128737	4.841	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	60894	5.000	ug/L	99
19) 1,1-Dichloroethane	3.114	63	108570	5.028	ug/L	97
21) 2-Butanone	3.883	43	139851	43.842	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	62962	5.099	ug/L	98
23) Bromochloromethane	4.153	128	30413	5.295	ug/L	96
25) Chloroform	4.281	83	123467	5.259	ug/L	98

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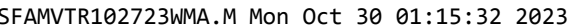
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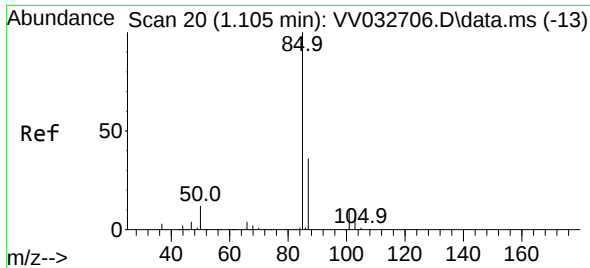
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	73967	5.069	ug/L	97
29) 1,1,1-Trichloroethane	4.516	97	99277	4.758	ug/L	98
30) Cyclohexane	4.584	56	76625	4.357	ug/L	95
31) Carbon tetrachloride	4.738	117	88545	4.878	ug/L	97
33) Benzene	5.011	78	251263	4.928	ug/L	100
34) Trichloroethene	5.834	95	62030	4.554	ug/L	98
35) Methylcyclohexane	6.053	83	88835	4.364	ug/L	97
37) 1,2-Dichloropropane	6.095	63	58247	4.734	ug/L	99
38) Bromodichloromethane	6.436	83	82909	4.561	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	84432	4.507	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	386262	48.654	ug/L	100
42) Toluene	7.317	91	299837	5.061	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	73502	4.560	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	50020	4.814	ug/L	99
47) Tetrachloroethene	7.908	164	54878	4.559	ug/L	98
48) 2-Hexanone	8.079	43	270348	46.559	ug/L	99
49) Dibromochloromethane	8.178	129	59893	4.859	ug/L	97
50) 1,2-Dibromoethane	8.288	107	47960	4.945	ug/L	100
51) Chlorobenzene	8.815	112	187463	4.790	ug/L	98
52) Ethylbenzene	8.950	91	301703	4.844	ug/L	99
53) m,p-Xylene	9.075	106	117898	4.999	ug/L	97
54) o-Xylene	9.481	106	112832	4.933	ug/L	100
55) Styrene	9.500	104	188836	4.983	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	57186	4.718	ug/L	96
59) Bromoform	9.670	173	31929	4.609	ug/L	99
60) Isopropylbenzene	9.870	105	279680	4.667	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	41429	4.437	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	215588	4.401	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	221357	4.573	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	149062	4.636	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	144451	4.526	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	141052	4.770	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	9051	4.056	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	98356	4.286	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	81001	4.160	ug/L	99
71) Naphthalene	13.442	128	117773	3.816	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	75316	4.399	ug/L	100

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

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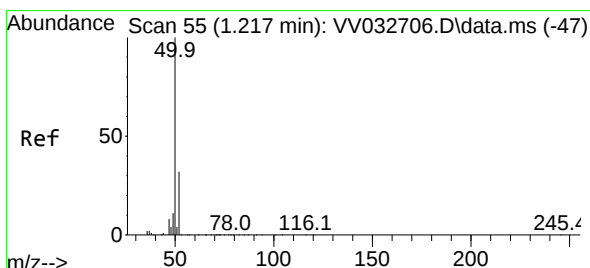
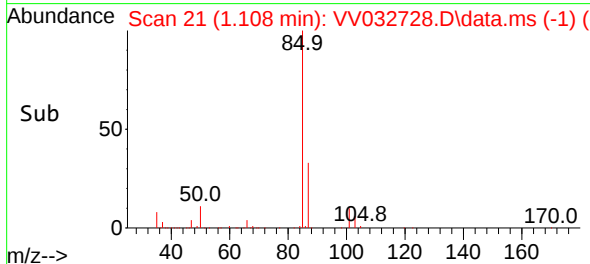
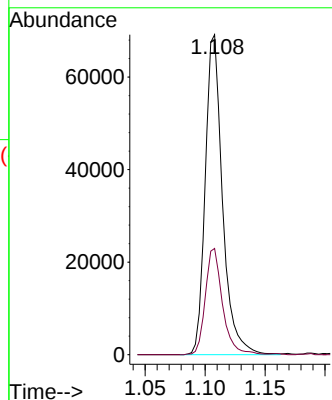
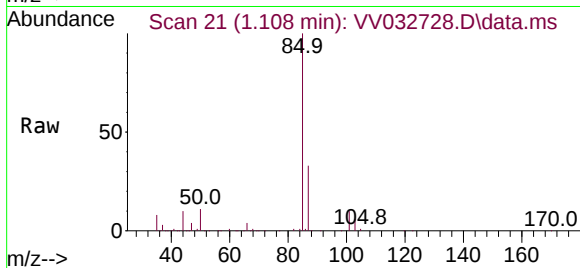




#2
 Dichlorodifluoromethane
 Concen: 4.906 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV032728.D
 Acq: 28 Oct 2023 09:29

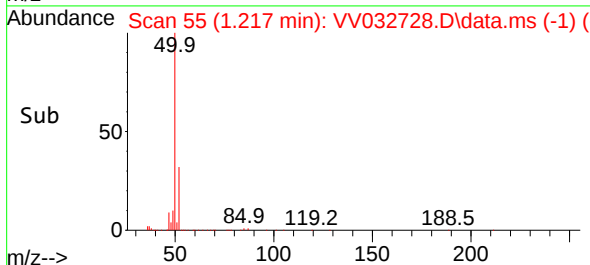
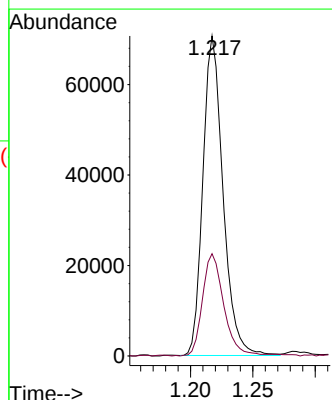
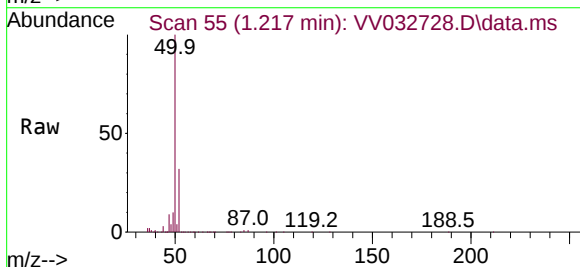
Instrument :
 MSVOA_V
 ClientSampleId :

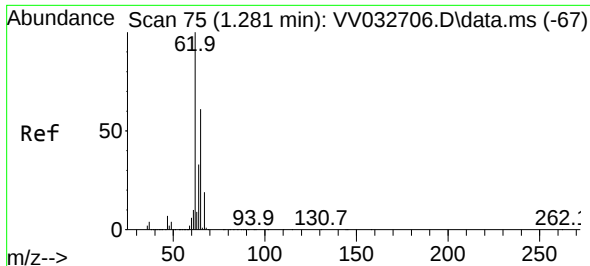
Tgt Ion: 85 Resp: 69395
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.9 38.9



#3
 Chloromethane
 Concen: 4.764 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032728.D
 Acq: 28 Oct 2023 09:29

Tgt Ion: 50 Resp: 79496
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.3 41.5

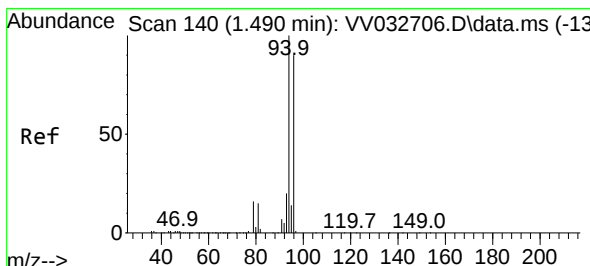
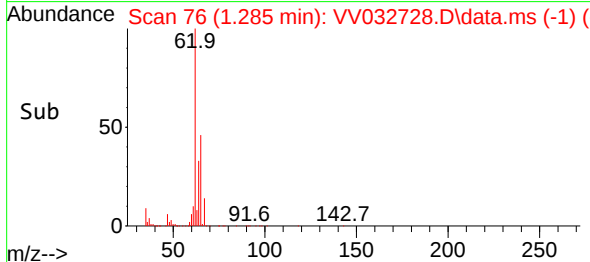
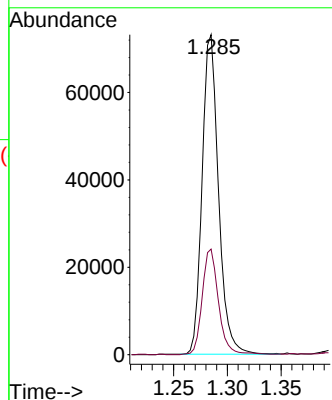
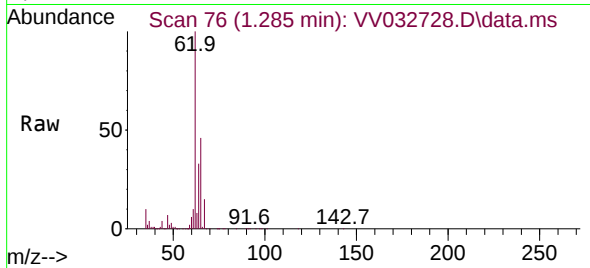




#5
 Vinyl chloride
 Concen: 4.670 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VV032728.D
 Acq: 28 Oct 2023 09:29

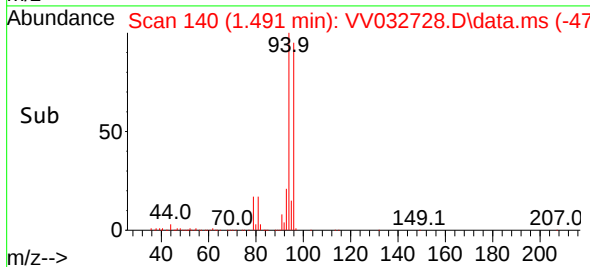
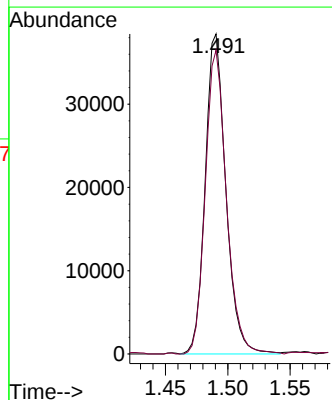
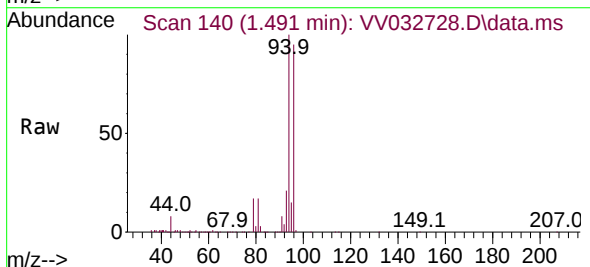
Instrument :
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 ClientSampleId :

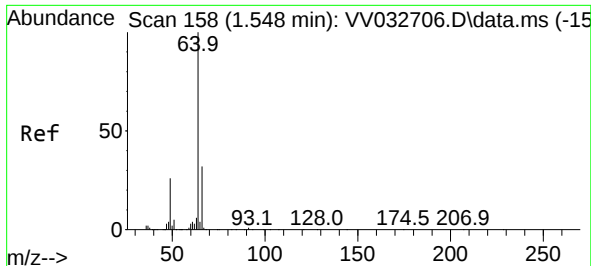
Tgt Ion: 62 Resp: 77333
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.0



#6
 Bromomethane
 Concen: 4.597 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV032728.D
 Acq: 28 Oct 2023 09:29

Tgt Ion: 94 Resp: 44427
 Ion Ratio Lower Upper
 94 100
 96 94.9 66.4 123.2

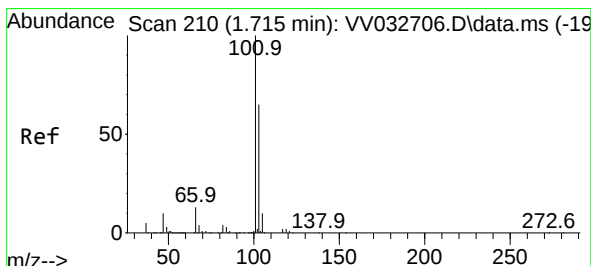
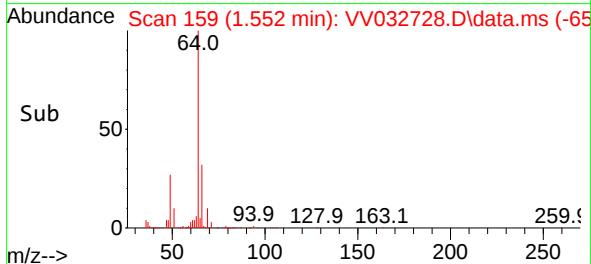
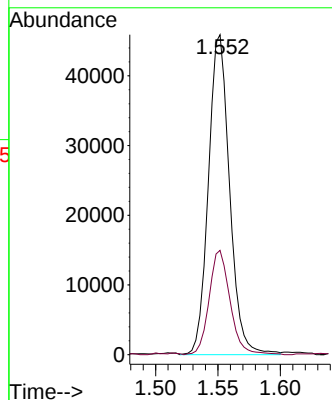
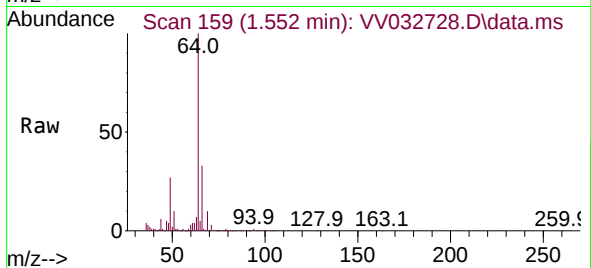




#8
Chloroethane
Concen: 5.009 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

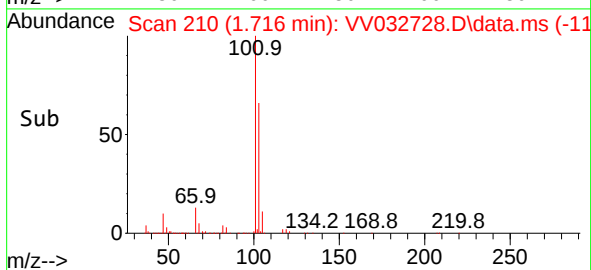
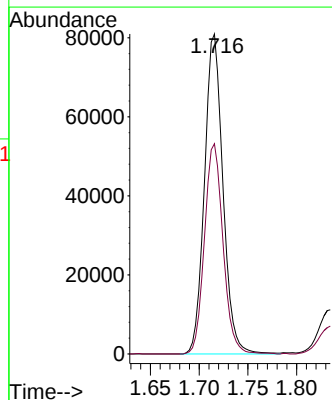
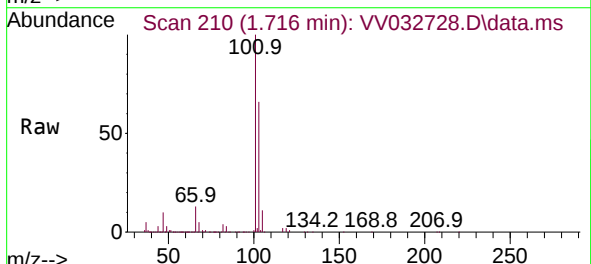
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ClientSampleId :

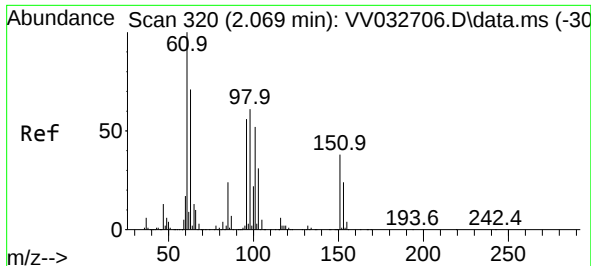
Tgt Ion: 64 Resp: 54249
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.793 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion:101 Resp: 106855
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1





#10

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

Concen: 4.665 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

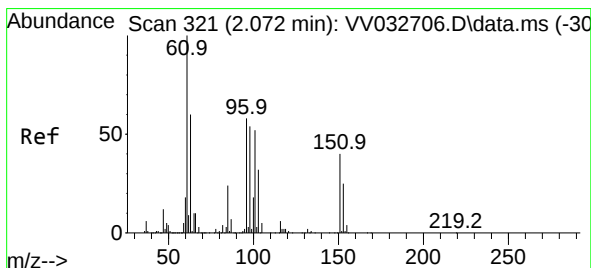
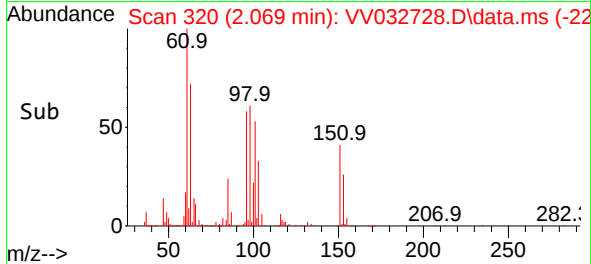
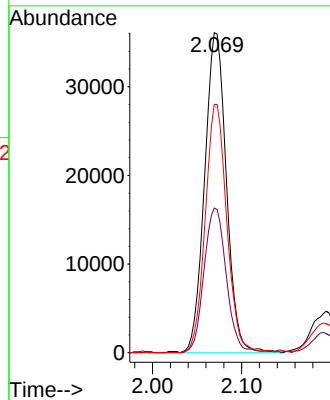
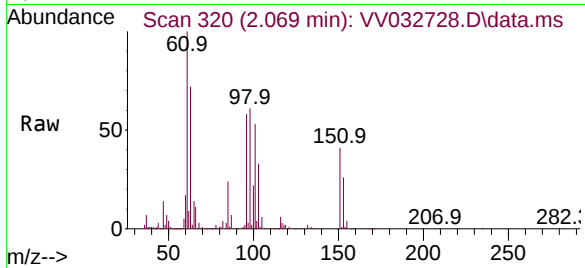
Tgt Ion:101 Resp: 61333

Ion Ratio Lower Upper

101 100

85 46.2 36.2 54.4

151 76.5 59.0 88.6



#12

1,1-Dichloroethene

Concen: 4.789 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

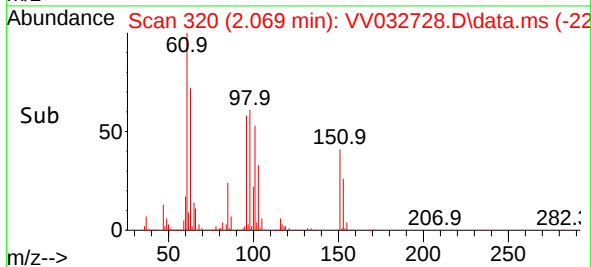
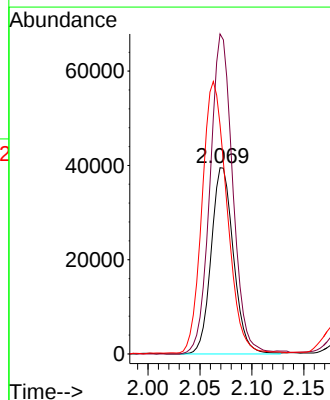
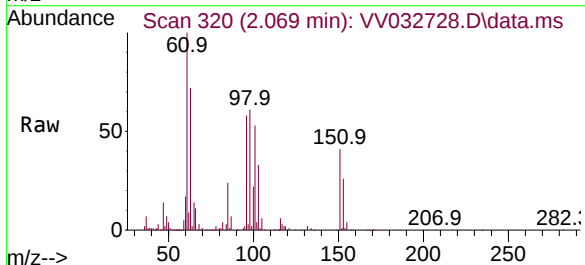
Tgt Ion: 96 Resp: 58987

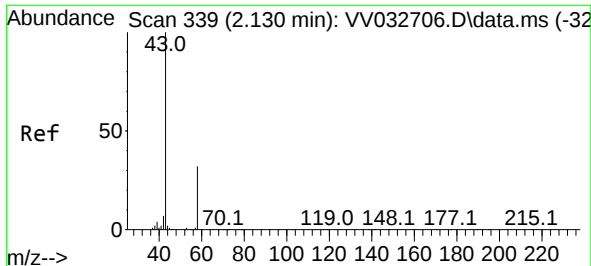
Ion Ratio Lower Upper

96 100

61 171.9 122.3 227.1

63 123.1 89.4 166.0





#13

Acetone

Concen: 40.393 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

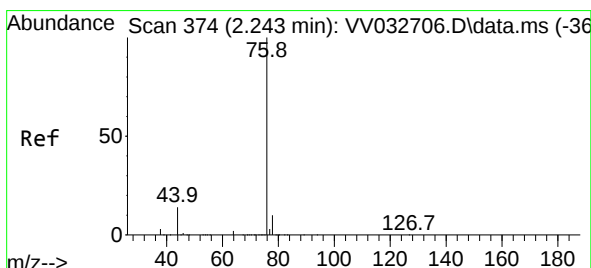
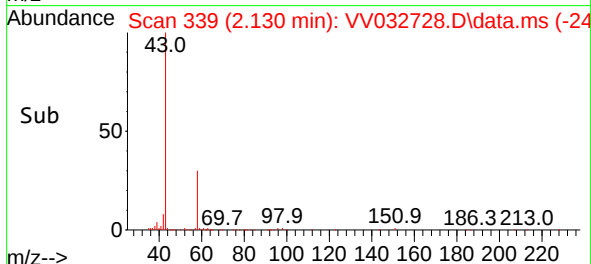
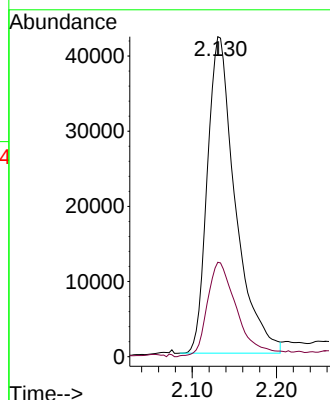
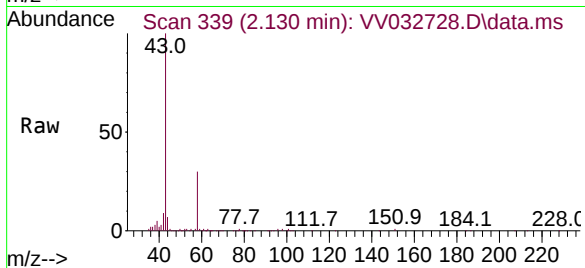
ClientSampleId :

Tgt Ion: 43 Resp: 97458

Ion Ratio Lower Upper

43 100

58 31.8 0.0 50.6



#14

Carbon disulfide

Concen: 4.588 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032728.D

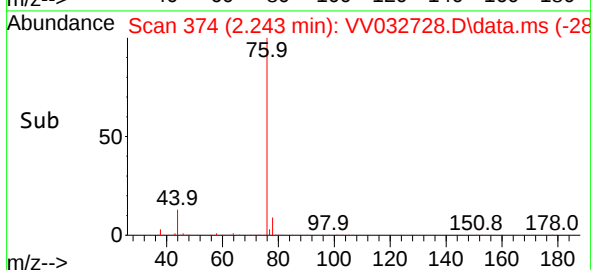
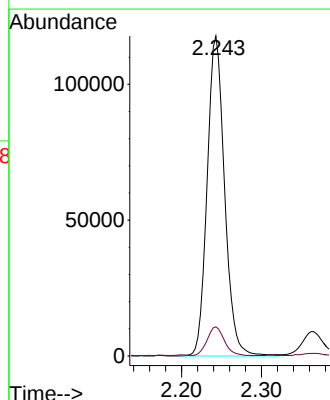
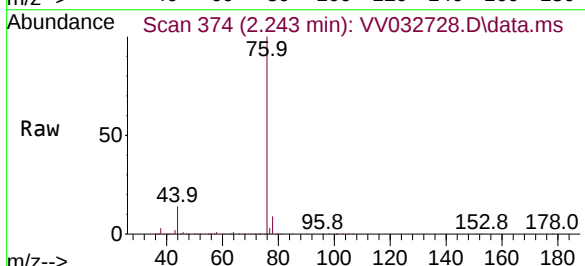
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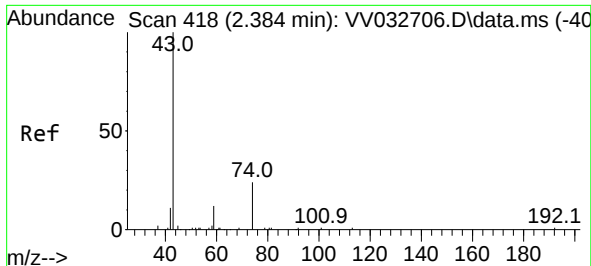
Tgt Ion: 76 Resp: 179020

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

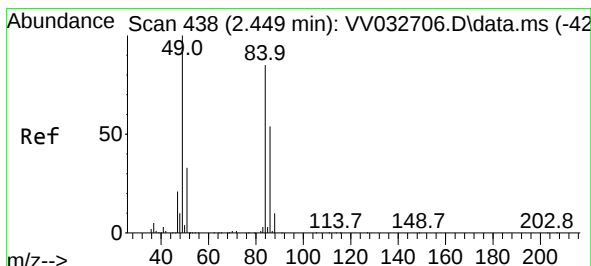
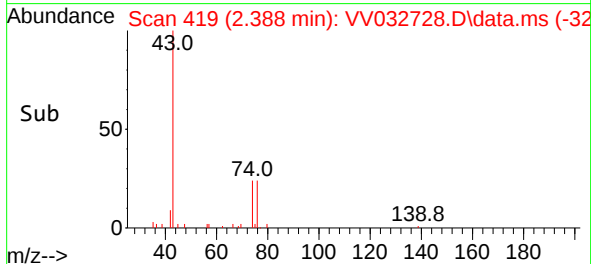
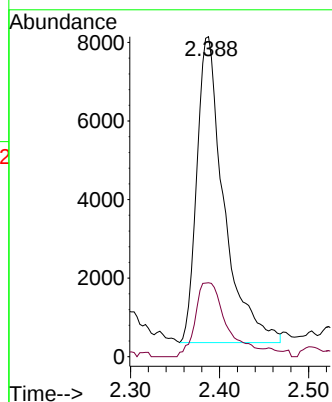
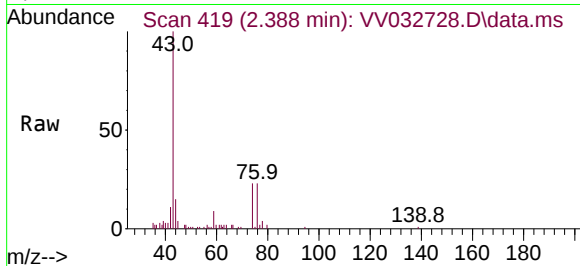




#15
Methyl Acetate
Concen: 3.404 ug/L
RT: 2.388 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

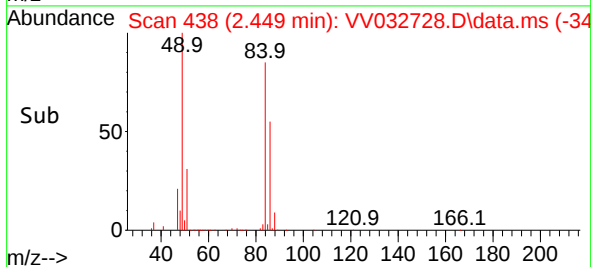
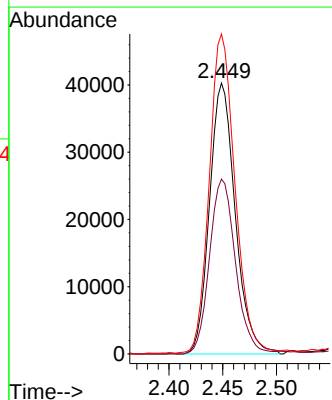
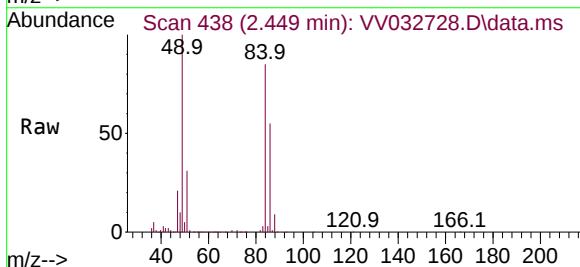
Instrument :
MSVOA_V
ClientSampleId :

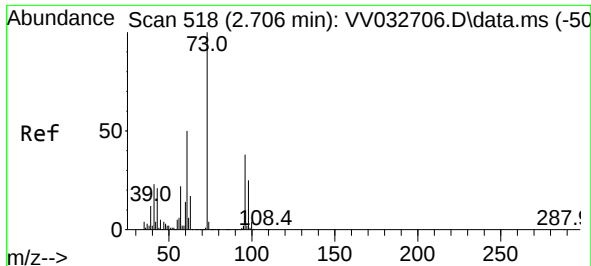
Tgt Ion: 43 Resp: 16446
Ion Ratio Lower Upper
43 100
74 28.1 23.1 34.7



#16
Methylene chloride
Concen: 4.422 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion: 84 Resp: 67043
Ion Ratio Lower Upper
84 100
86 64.6 44.8 83.2
49 118.1 81.1 150.5





#17

Methyl tert-butyl Ether

Concen: 4.841 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

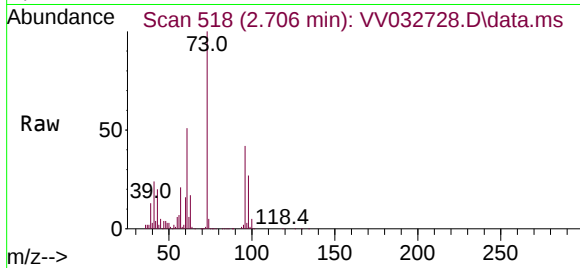
Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :



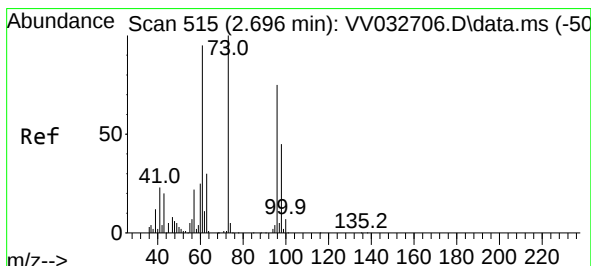
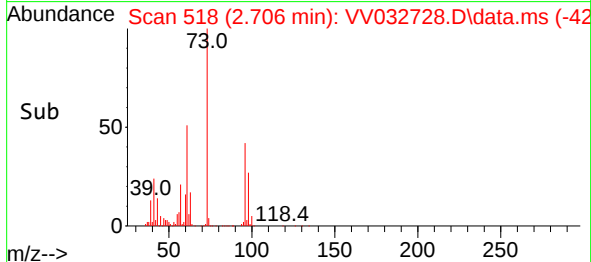
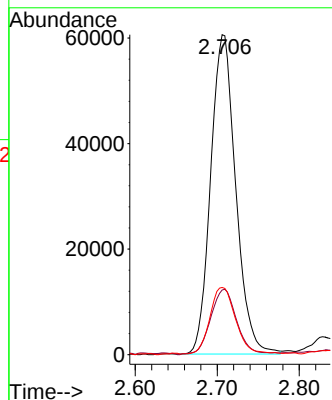
Tgt Ion: 73 Resp: 128737

Ion Ratio Lower Upper

73 100

43 21.3 16.6 24.8

57 21.2 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 5.000 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

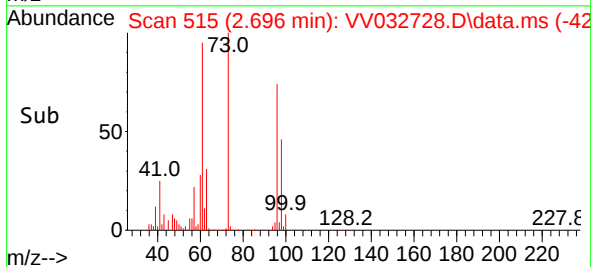
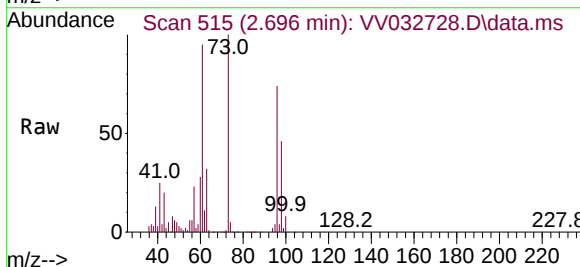
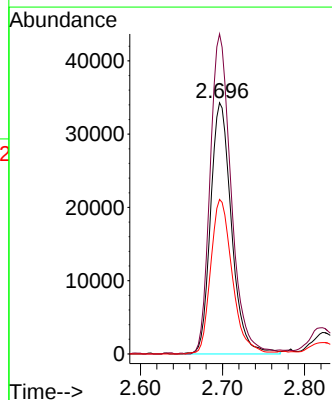
Tgt Ion: 96 Resp: 60894

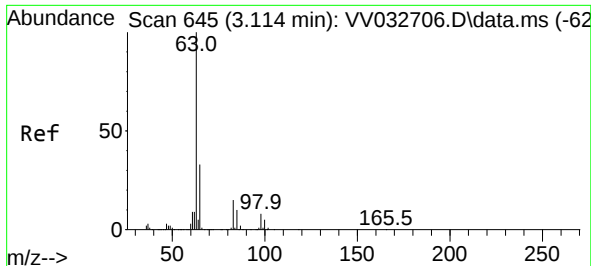
Ion Ratio Lower Upper

96 100

61 127.4 88.7 164.7

98 61.5 44.4 82.4





#19

1,1-Dichloroethane

Concen: 5.028 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

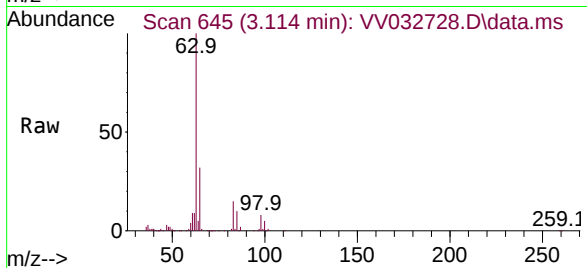
Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :



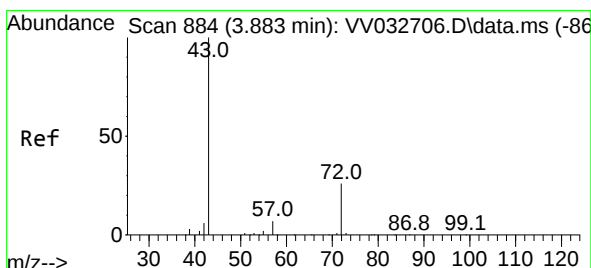
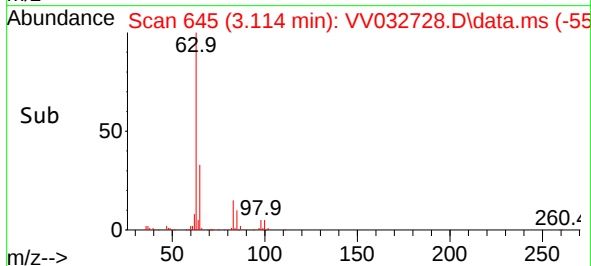
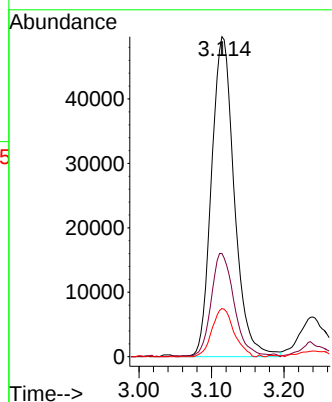
Tgt Ion: 63 Resp: 108570

Ion Ratio Lower Upper

63 100

65 32.2 21.5 39.9

83 15.0 9.2 17.0



#21

2-Butanone

Concen: 43.842 ug/L

RT: 3.883 min Scan# 884

Delta R.T. 0.000 min

Lab File: VV032728.D

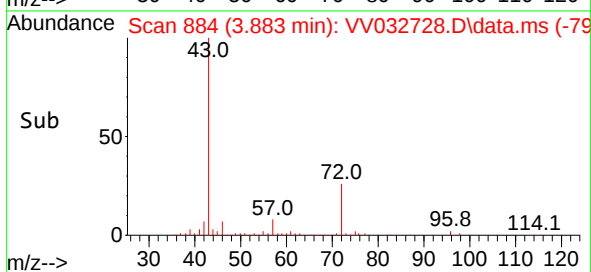
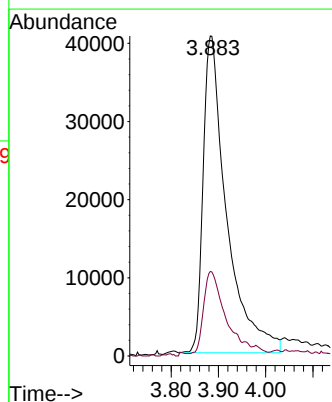
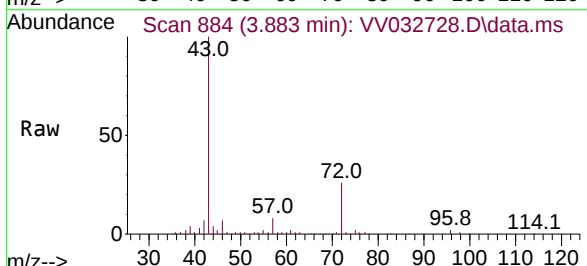
Acq: 28 Oct 2023 09:29

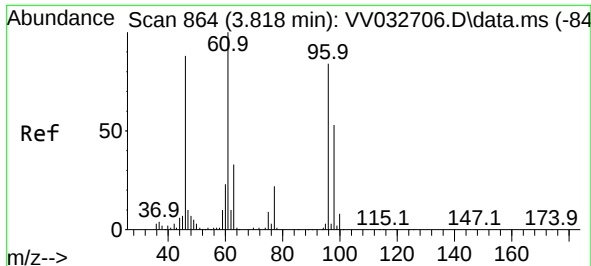
Tgt Ion: 43 Resp: 139851

Ion Ratio Lower Upper

43 100

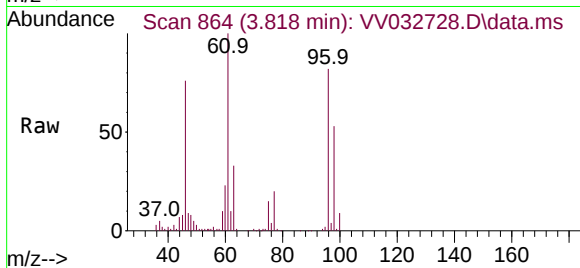
72 22.6 10.4 31.2



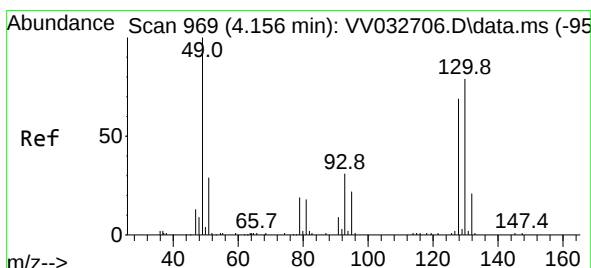
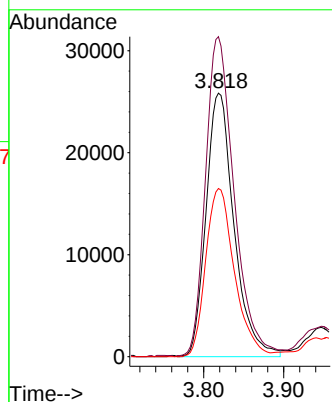
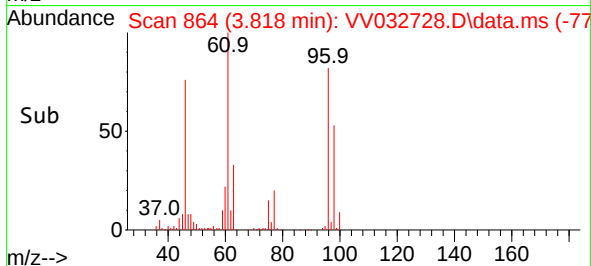


#22
 cis-1,2-Dichloroethene
 Concen: 5.099 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032728.D
 Acq: 28 Oct 2023 09:29

Instrument :
 MSVOA_V
 ClientSampleId :

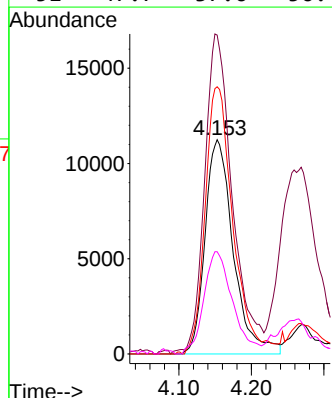
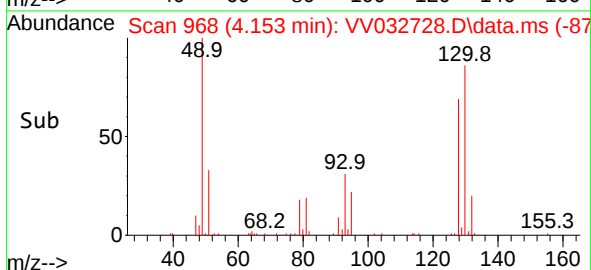
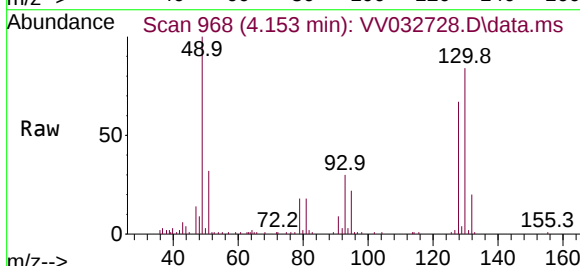


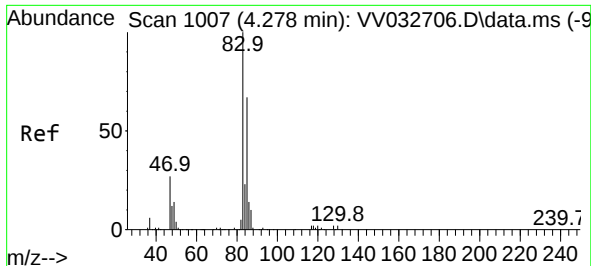
Tgt Ion: 96	Resp: 62962
Ion Ratio	Lower Upper
96 100	
61 121.5	87.7 162.9
98 63.8	45.0 83.6



#23
 Bromochloromethane
 Concen: 5.295 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.003 min
 Lab File: VV032728.D
 Acq: 28 Oct 2023 09:29

Tgt	Ion:128	Resp:	30413
Ion	Ratio	Lower	Upper
128	100		
49	148.8	110.4	205.0
130	124.7	86.8	161.2
51	47.7	37.6	56.4

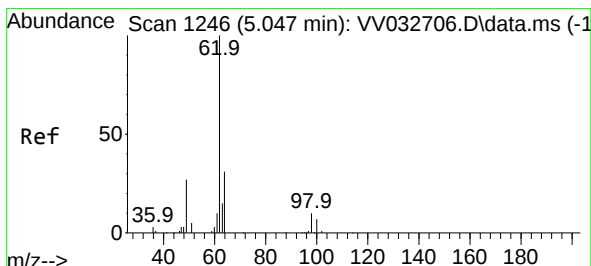
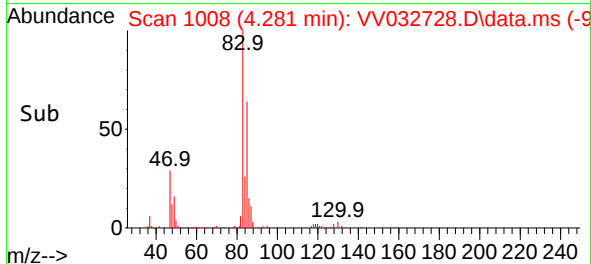
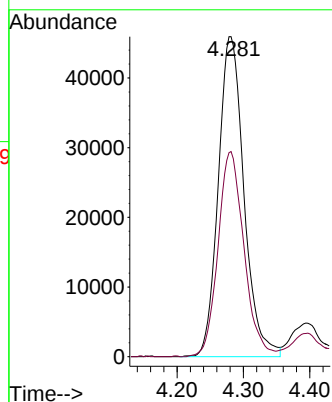
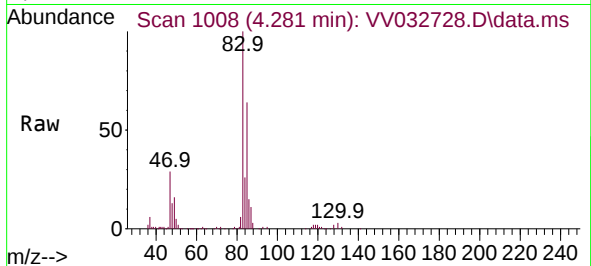




#25
Chloroform
Concen: 5.259 ug/L
RT: 4.281 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

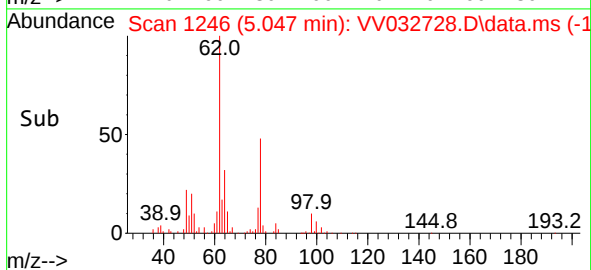
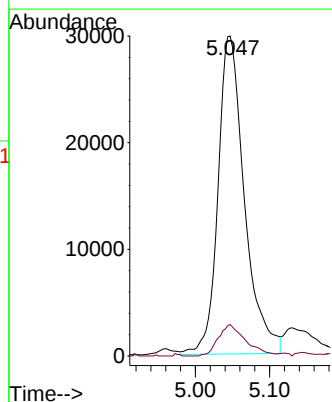
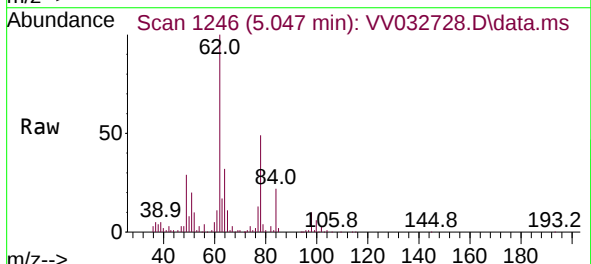
Instrument :
MSVOA_V
ClientSampleId :

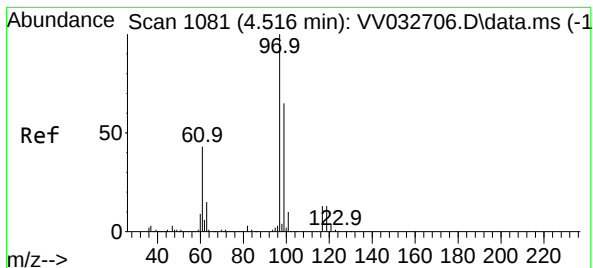
Tgt Ion: 83 Resp: 123467
Ion Ratio Lower Upper
83 100
85 64.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.069 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion: 62 Resp: 73967
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.758 ug/L

RT: 4.516 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

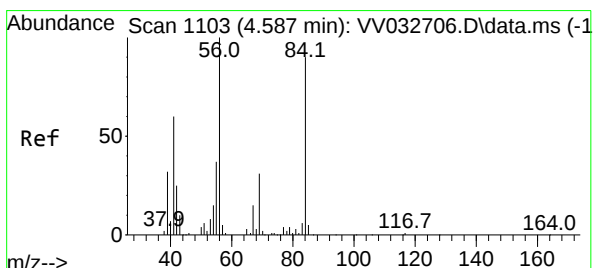
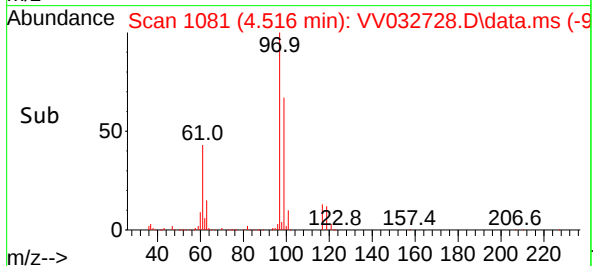
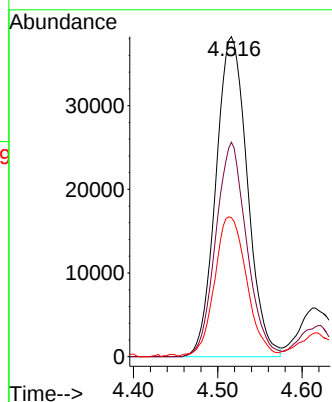
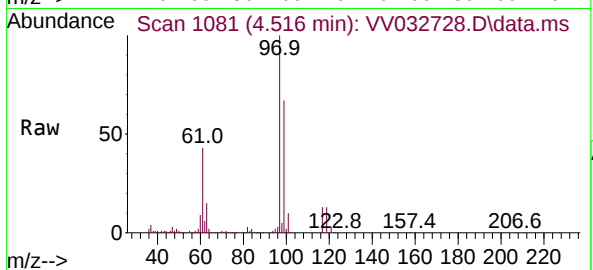
Tgt Ion: 97 Resp: 99277

Ion Ratio Lower Upper

97 100

99 66.0 51.4 77.0

61 44.1 36.1 54.1



#30

Cyclohexane

Concen: 4.357 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

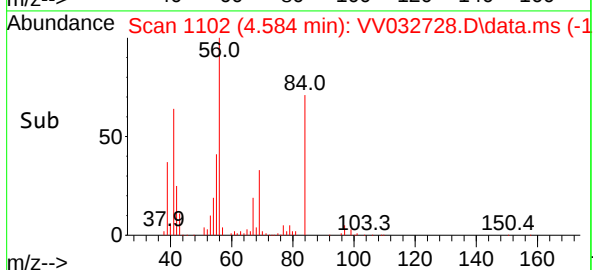
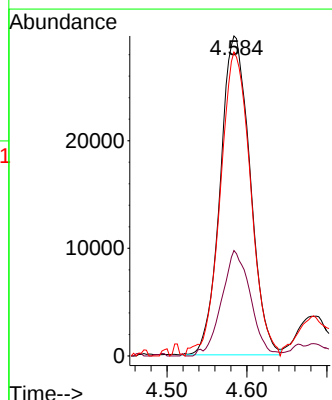
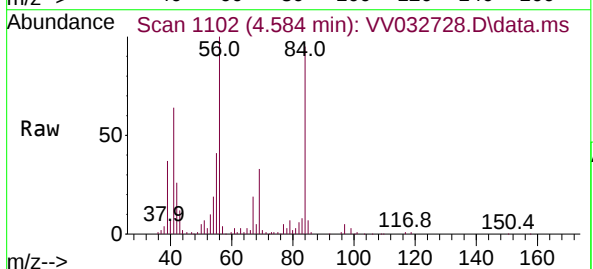
Tgt Ion: 56 Resp: 76625

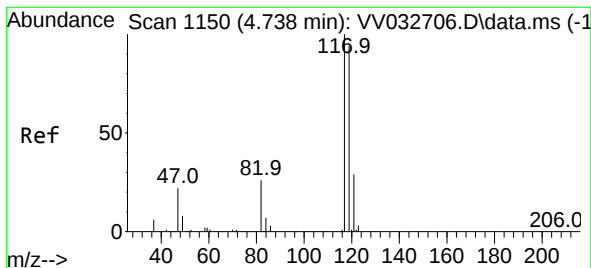
Ion Ratio Lower Upper

56 100

69 32.0 25.0 37.6

84 96.9 72.9 109.3





#31

Carbon tetrachloride

Concen: 4.878 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

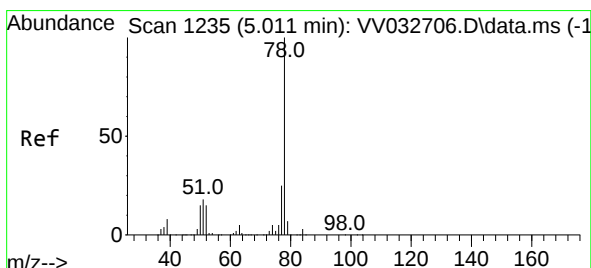
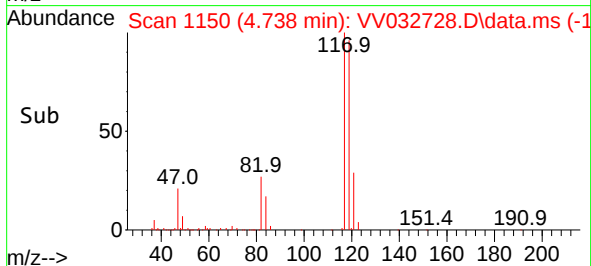
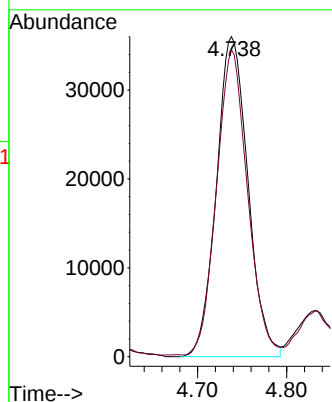
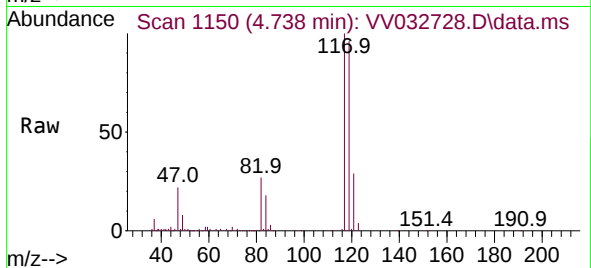
ClientSampleId :

Tgt Ion:117 Resp: 88545

Ion Ratio Lower Upper

117 100

119 93.9 77.8 116.6



#33

Benzene

Concen: 4.928 ug/L

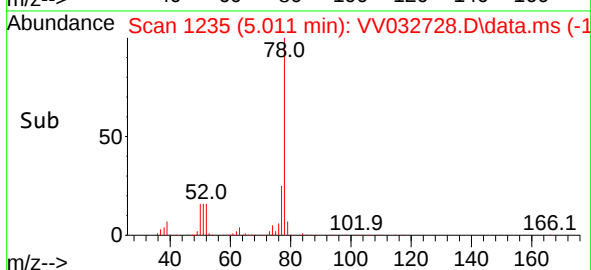
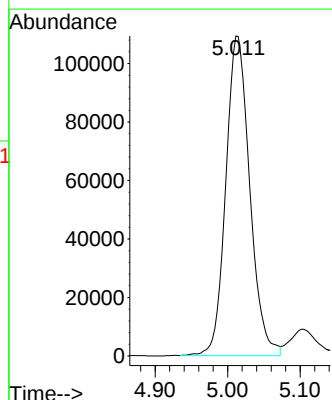
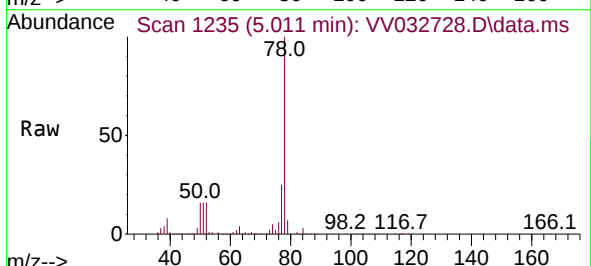
RT: 5.011 min Scan# 1235

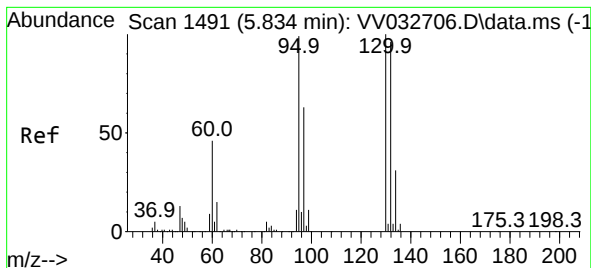
Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Tgt Ion: 78 Resp: 251263





#34

Trichloroethene

Concen: 4.554 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 62030

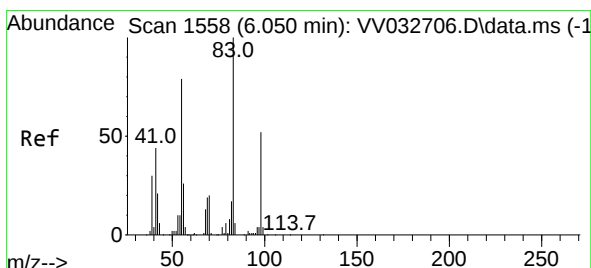
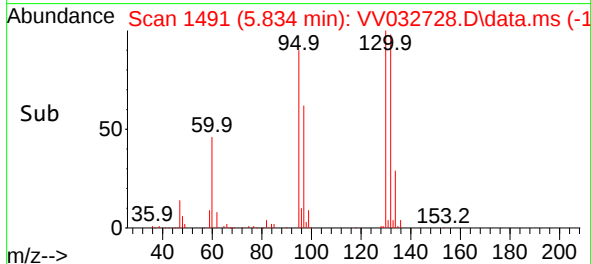
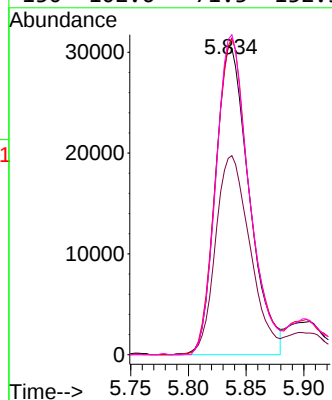
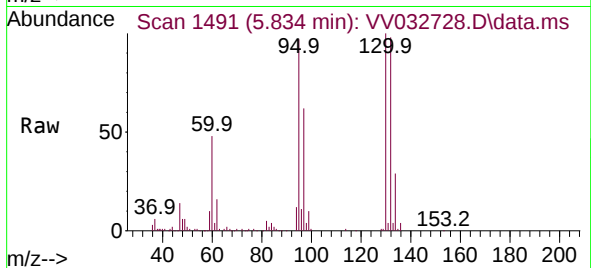
Ion Ratio Lower Upper

95 100

97 63.9 44.0 81.8

132 100.4 66.9 124.3

130 102.6 71.3 132.3



#35

Methylcyclohexane

Concen: 4.364 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

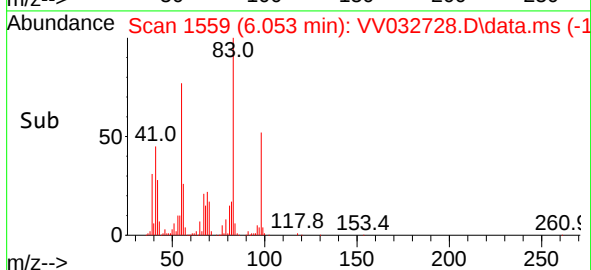
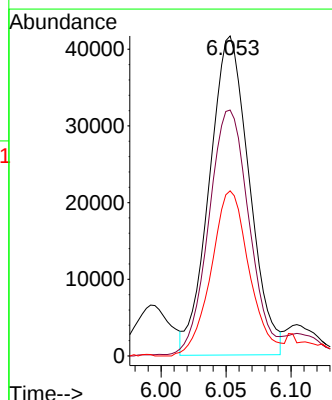
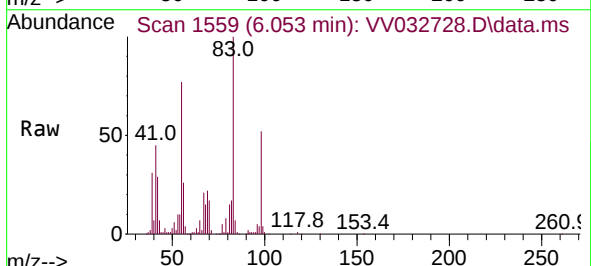
Tgt Ion: 83 Resp: 88835

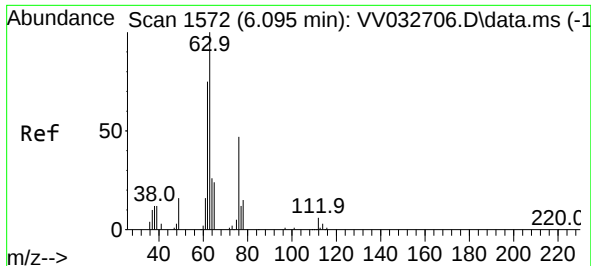
Ion Ratio Lower Upper

83 100

55 78.6 59.6 89.4

98 49.7 39.1 58.7





#37

1,2-Dichloropropane

Concen: 4.734 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

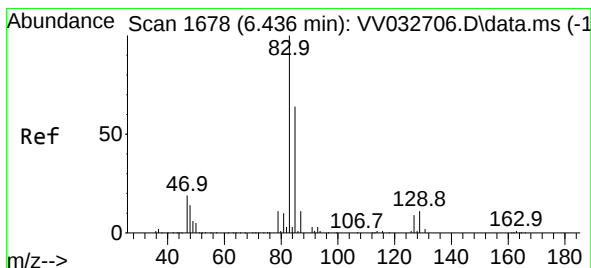
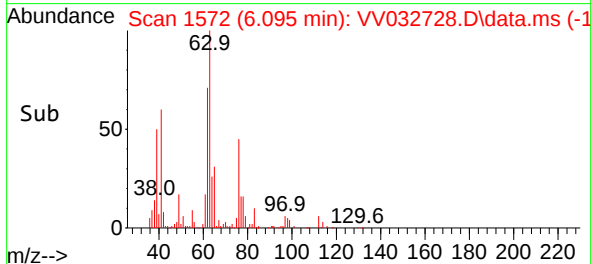
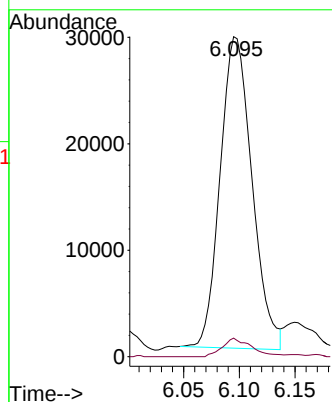
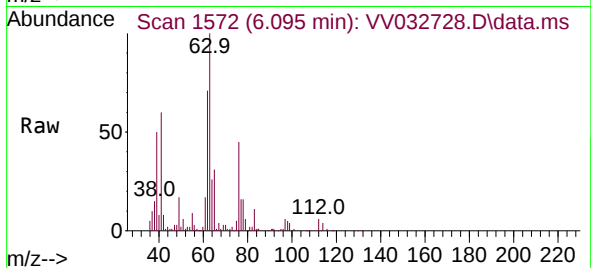
ClientSampleId :

Tgt Ion: 63 Resp: 58247

Ion Ratio Lower Upper

63 100

112 5.5 4.6 7.0



#38

Bromodichloromethane

Concen: 4.561 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

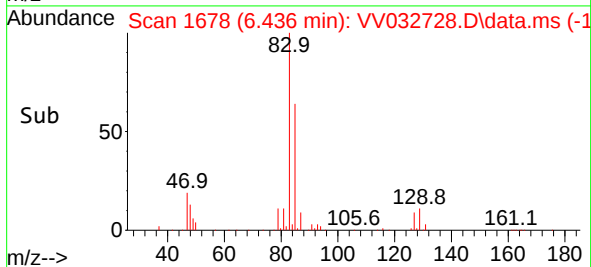
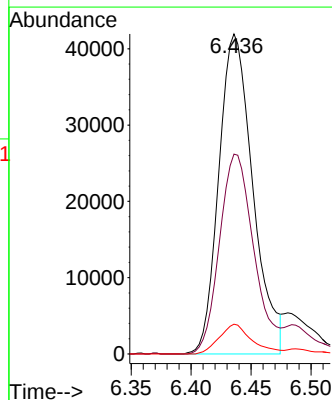
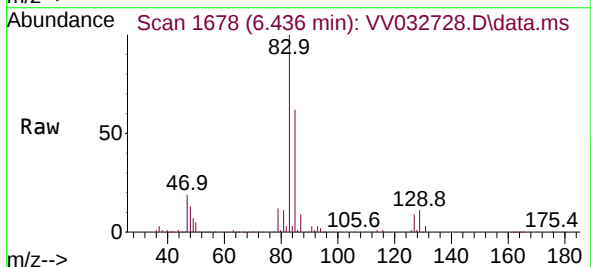
Tgt Ion: 83 Resp: 82909

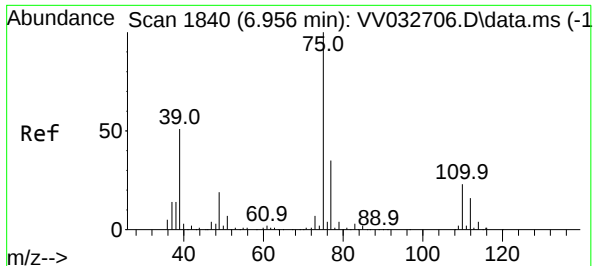
Ion Ratio Lower Upper

83 100

85 62.5 44.9 83.5

127 9.3 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.507 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

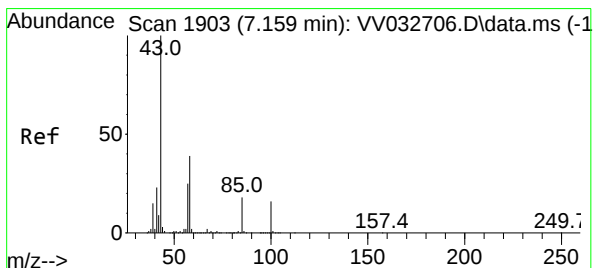
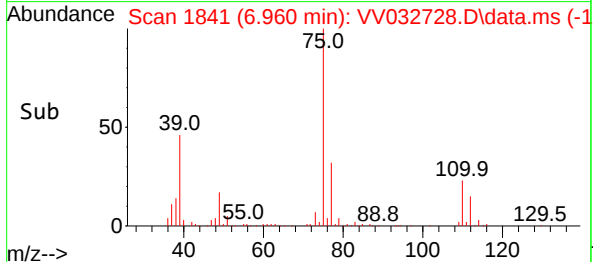
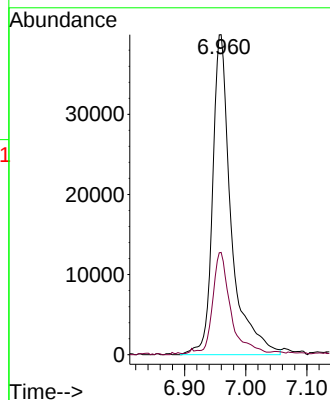
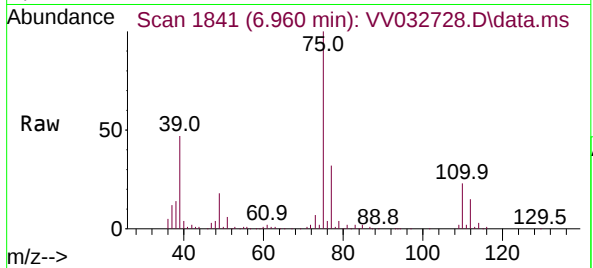
ClientSampleId :

Tgt Ion: 75 Resp: 84432

Ion Ratio Lower Upper

75 100

77 32.0 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 48.654 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

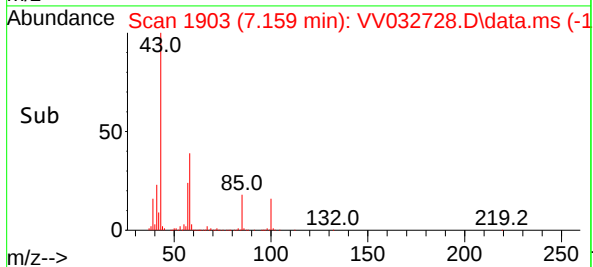
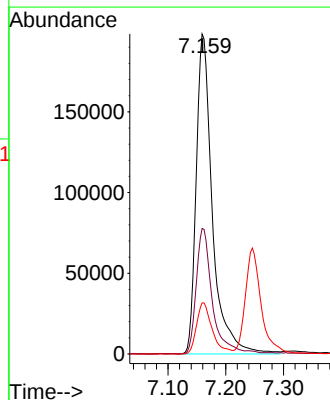
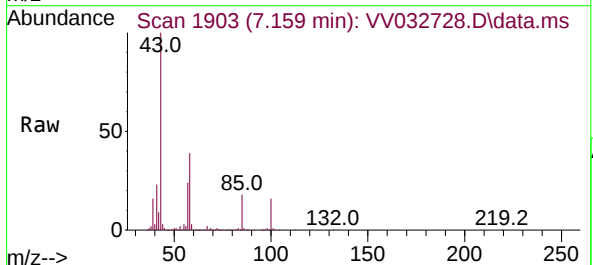
Tgt Ion: 43 Resp: 386262

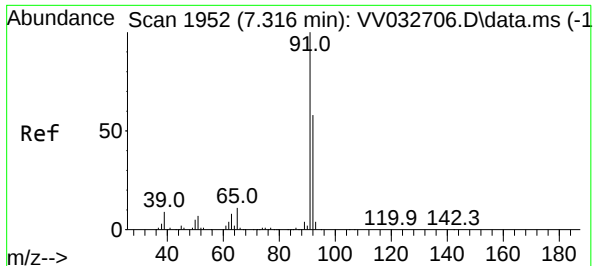
Ion Ratio Lower Upper

43 100

58 39.1 31.3 46.9

100 15.6 12.2 18.4





#42

Toluene

Concen: 5.061 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

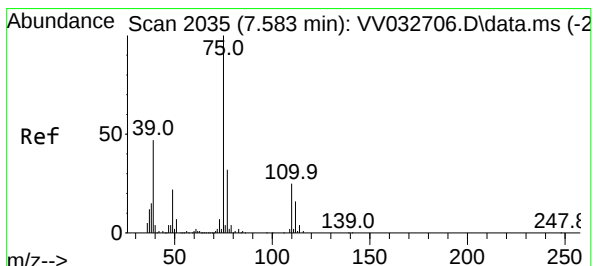
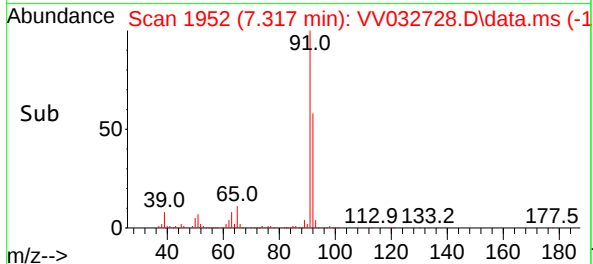
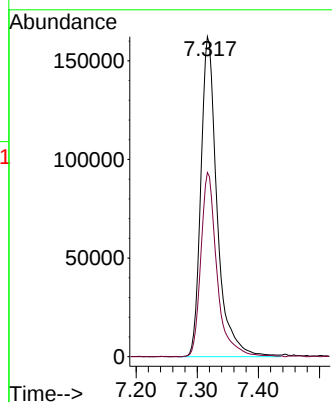
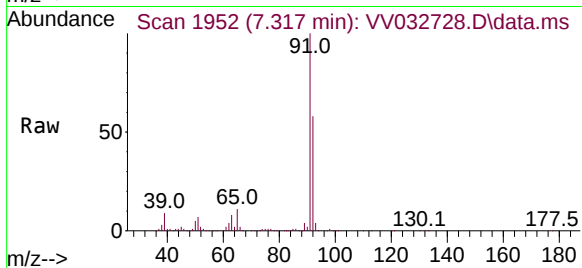
ClientSampleId :

Tgt Ion: 91 Resp: 299837

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.560 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032728.D

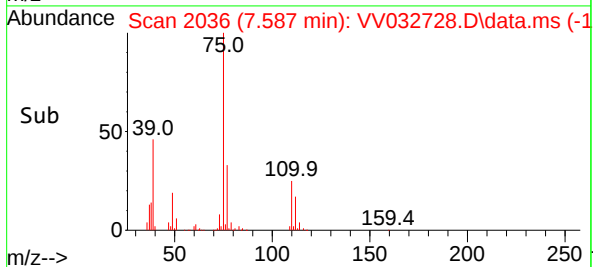
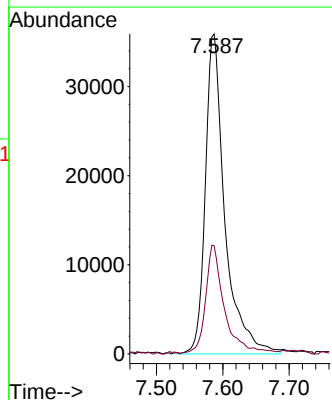
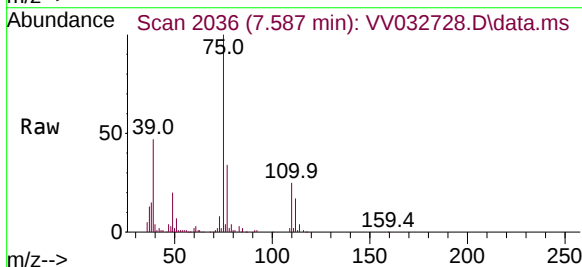
Acq: 28 Oct 2023 09:29

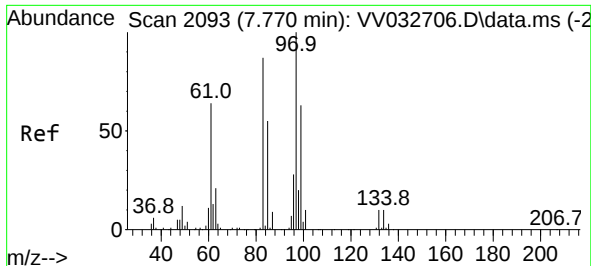
Tgt Ion: 75 Resp: 73502

Ion Ratio Lower Upper

75 100

77 33.8 23.4 43.4

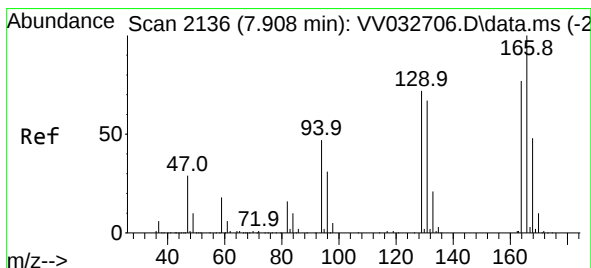
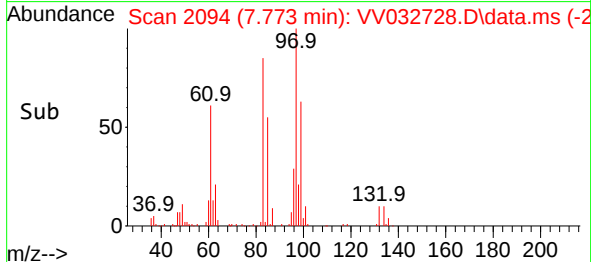
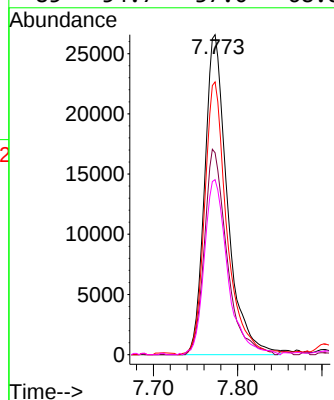
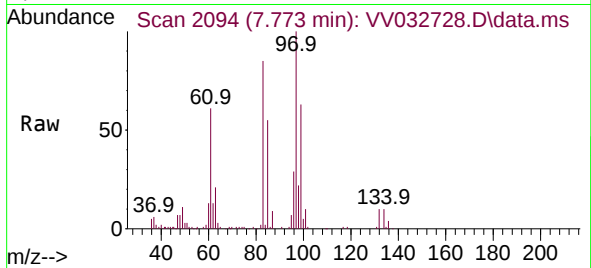




#45
1,1,2-Trichloroethane
Concen: 4.814 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

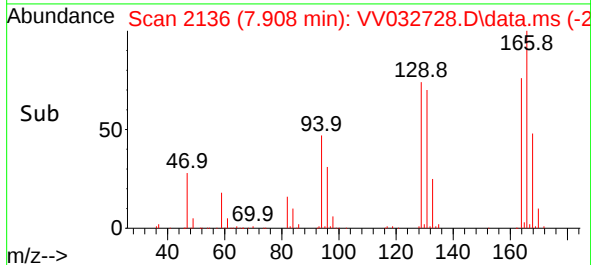
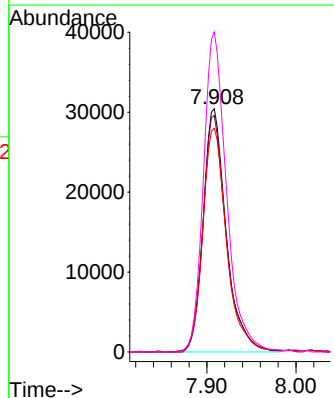
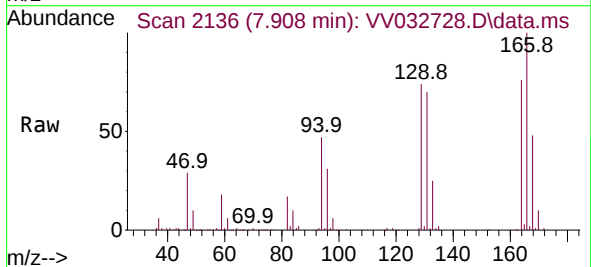
Instrument :
MSVOA_V
ClientSampleId :

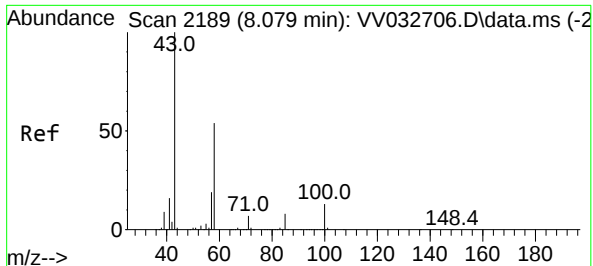
Tgt Ion:	97	Resp:	50020
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.0	81.8
83	85.2	59.9	111.3
85	54.7	37.0	68.8



#47
Tetrachloroethene
Concen: 4.559 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion:	164	Resp:	54878
Ion	Ratio	Lower	Upper
164	100		
129	97.2	65.3	121.3
131	92.0	66.6	123.8
166	131.6	91.6	170.2



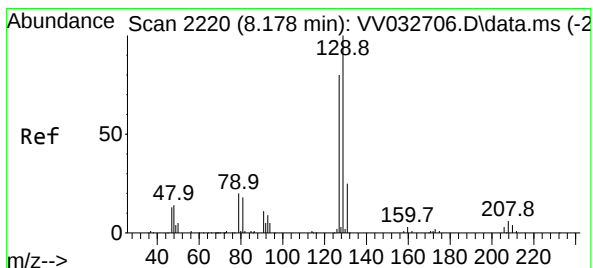
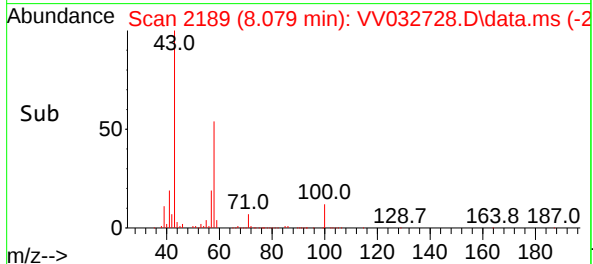
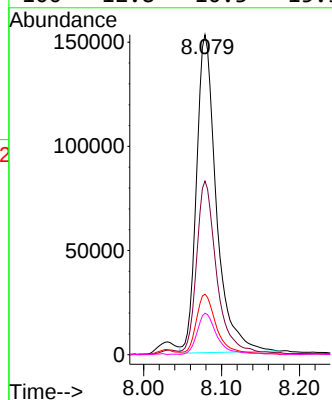
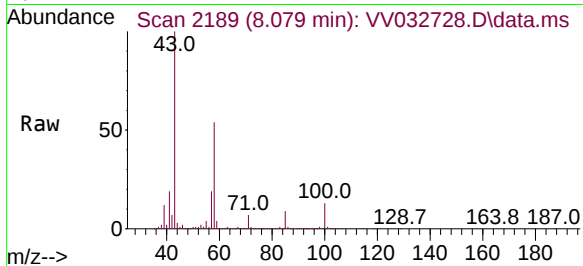


#48
2-Hexanone
Concen: 46.559 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 270348

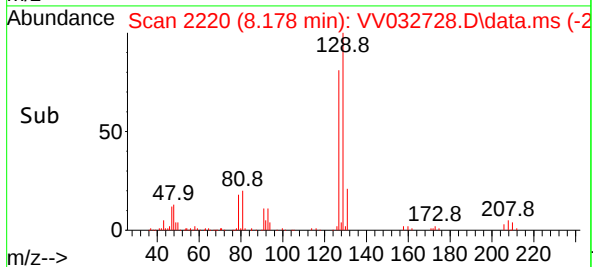
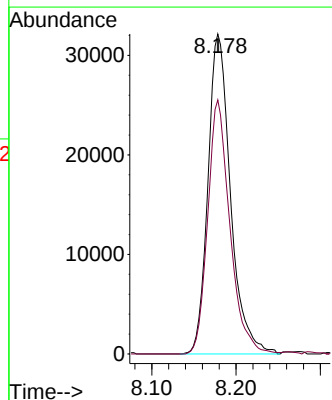
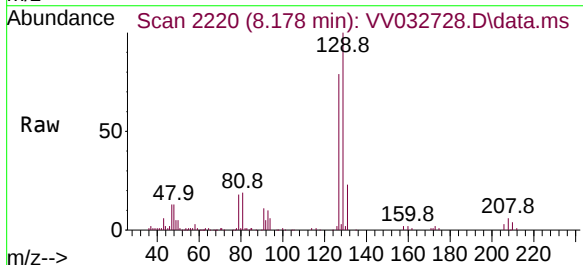
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.8	65.6
57	19.9	15.1	22.7
100	12.8	10.3	15.5

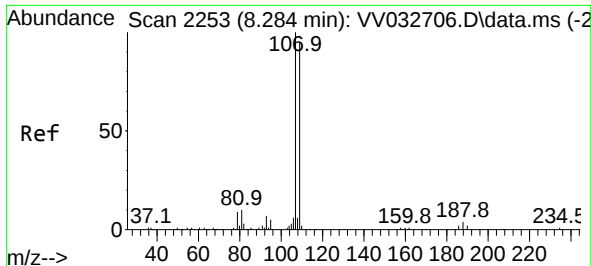


#49
Dibromochloromethane
Concen: 4.859 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion: 129 Resp: 59893

Ion	Ratio	Lower	Upper
129	100		
127	79.4	54.0	100.4

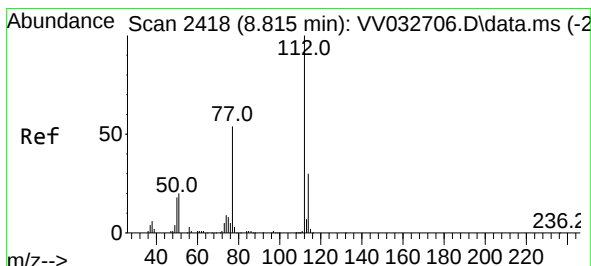
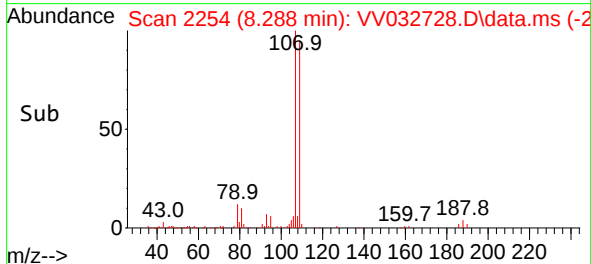
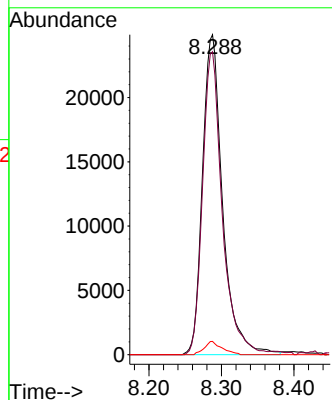
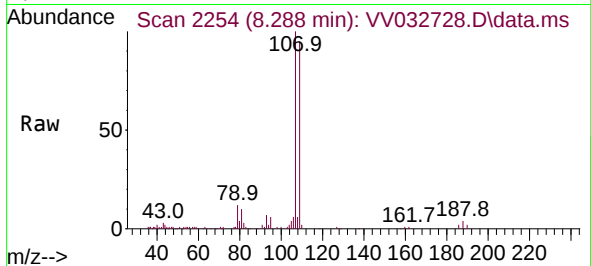




#50
1,2-Dibromoethane
Concen: 4.945 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

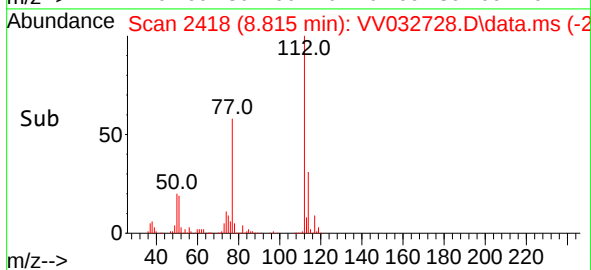
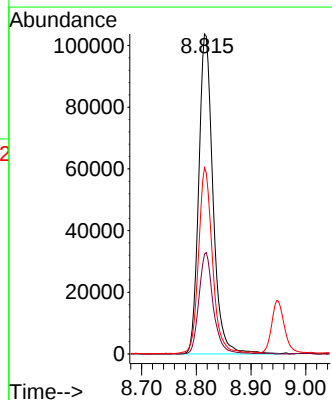
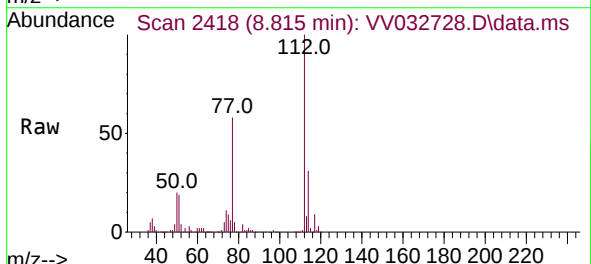
Instrument :
MSVOA_V
ClientSampleId :

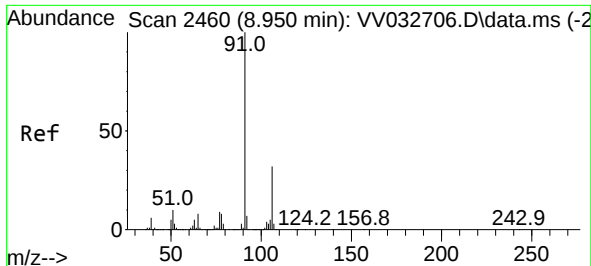
Tgt Ion:107 Resp: 47960
Ion Ratio Lower Upper
107 100
109 94.7 66.4 123.4
188 4.2 2.9 4.3



#51
Chlorobenzene
Concen: 4.790 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion:112 Resp: 187463
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.3
77 58.2 45.7 68.5





#52

Ethylbenzene

Concen: 4.844 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

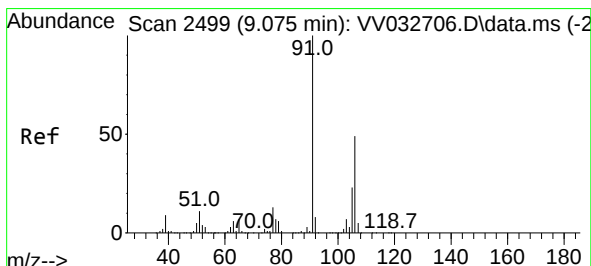
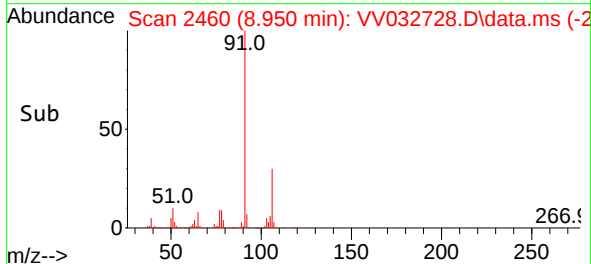
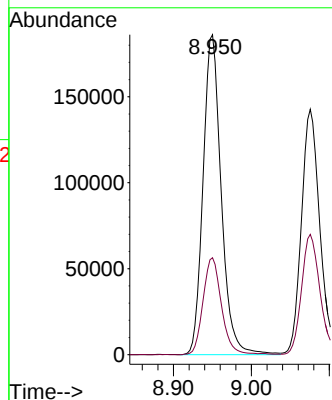
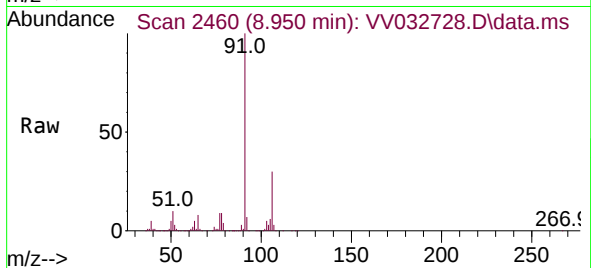
ClientSampleId :

Tgt Ion: 91 Resp: 301703

Ion Ratio Lower Upper

91 100

106 30.3 20.9 38.9



#53

m,p-Xylene

Concen: 4.999 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032728.D

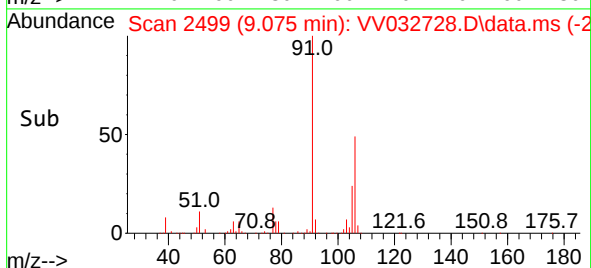
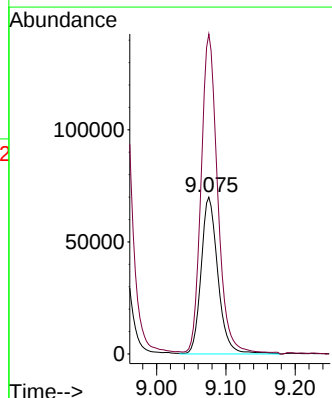
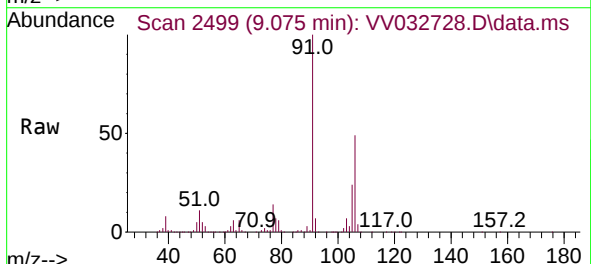
Acq: 28 Oct 2023 09:29

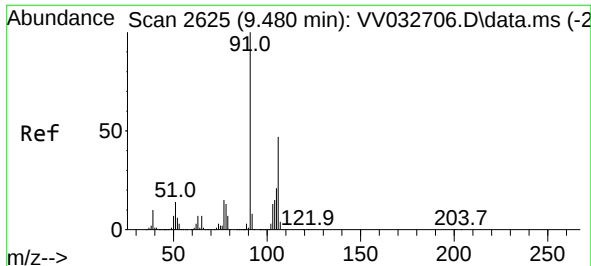
Tgt Ion: 106 Resp: 117898

Ion Ratio Lower Upper

106 100

91 204.0 139.3 258.7

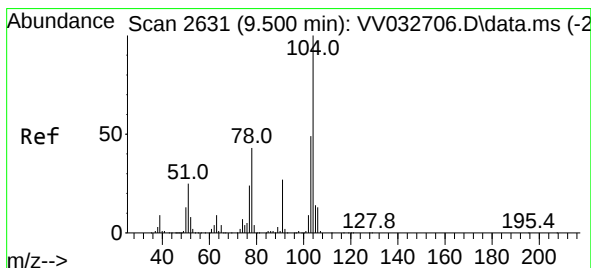
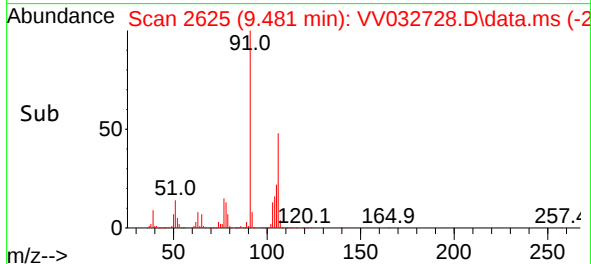
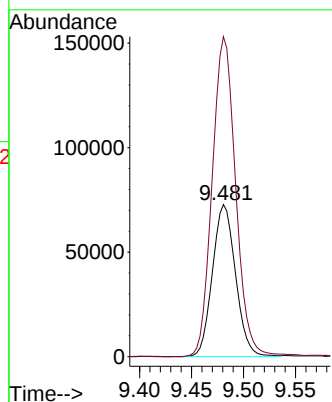
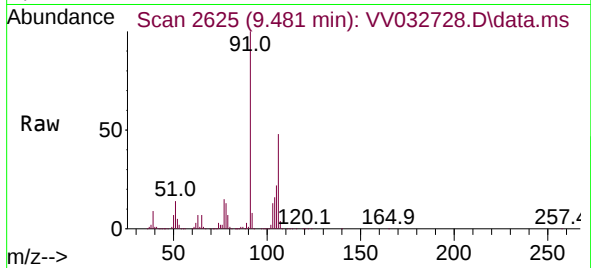




#54
o-Xylene
Concen: 4.933 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

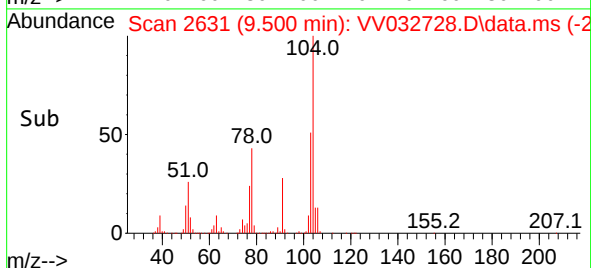
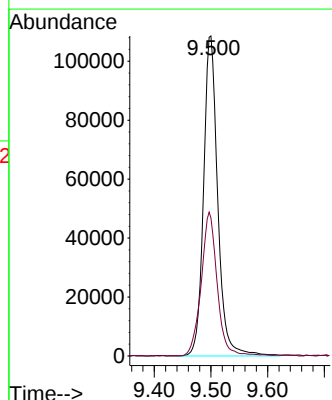
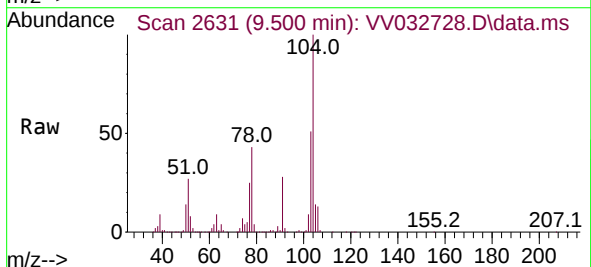
Instrument :
MSVOA_V
ClientSampleId :

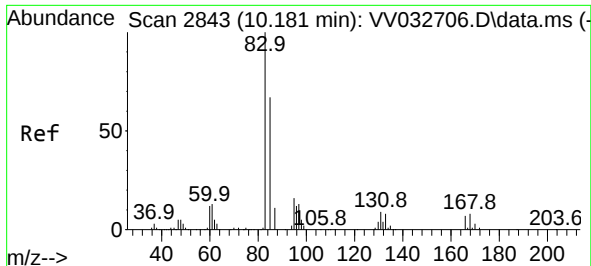
Tgt Ion:106 Resp: 112832
Ion Ratio Lower Upper
106 100
91 210.2 147.4 273.8



#55
Styrene
Concen: 4.983 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion:104 Resp: 188836
Ion Ratio Lower Upper
104 100
78 43.2 30.5 56.7

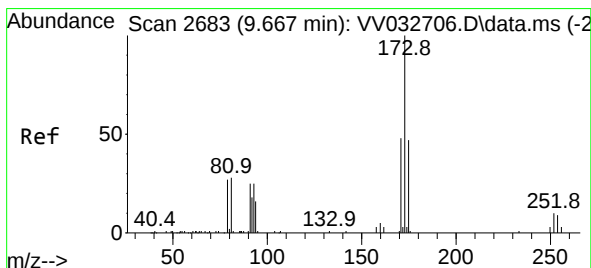
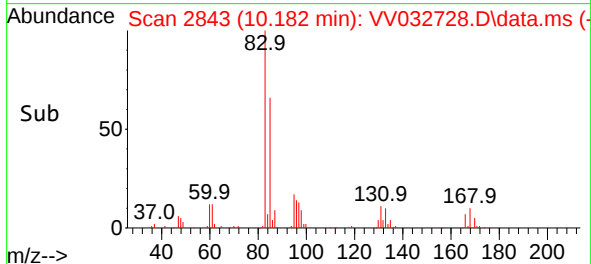
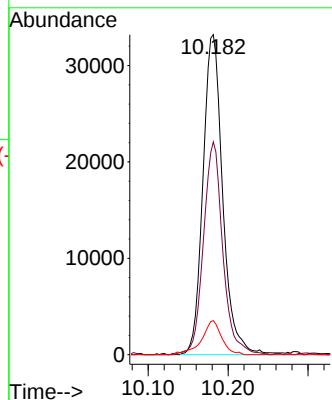
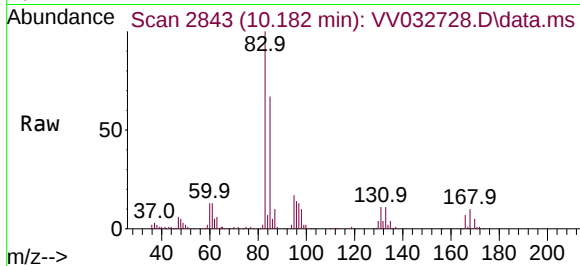




#57
1,1,2,2-Tetrachloroethane
Concen: 4.718 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

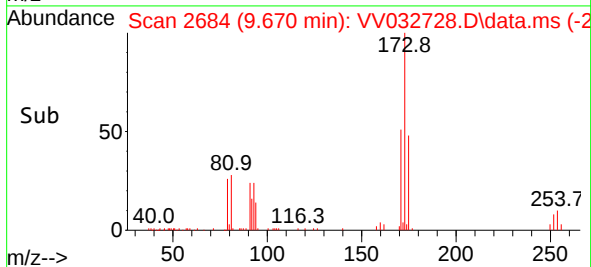
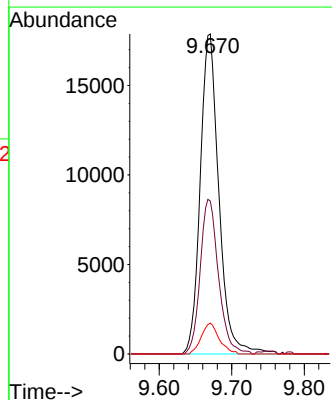
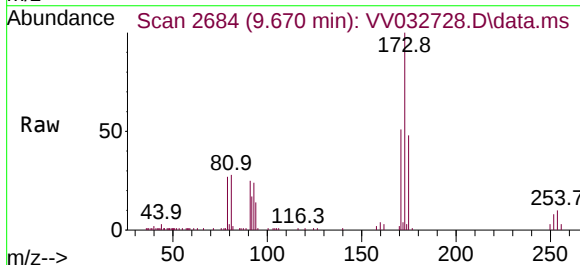
Instrument :
MSVOA_V
ClientSampleId :

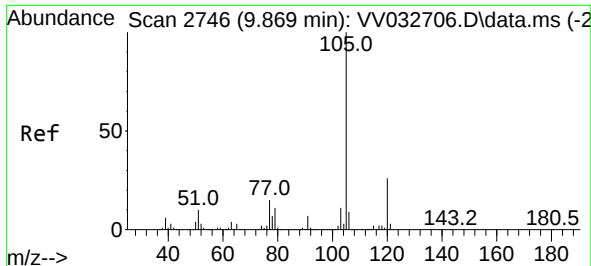
Tgt Ion: 83 Resp: 57186
Ion Ratio Lower Upper
83 100
85 66.5 44.0 81.8
131 10.6 7.8 11.8



#59
Bromoform
Concen: 4.609 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion: 173 Resp: 31929
Ion Ratio Lower Upper
173 100
175 47.4 38.4 57.6
254 9.2 6.9 10.3

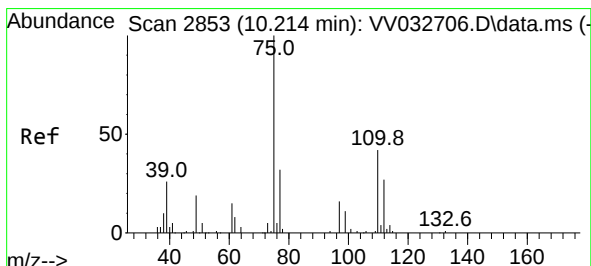
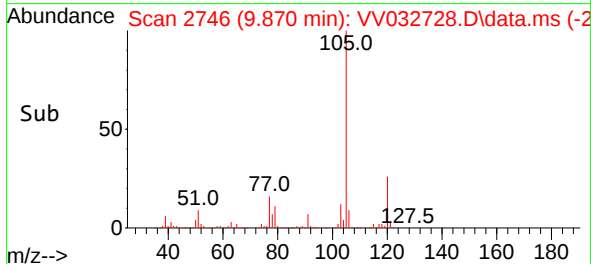
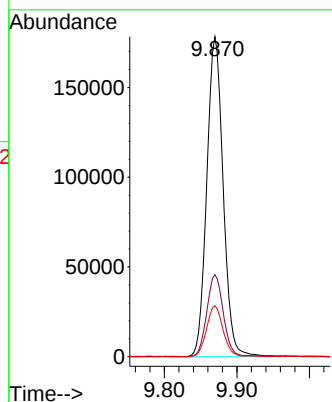
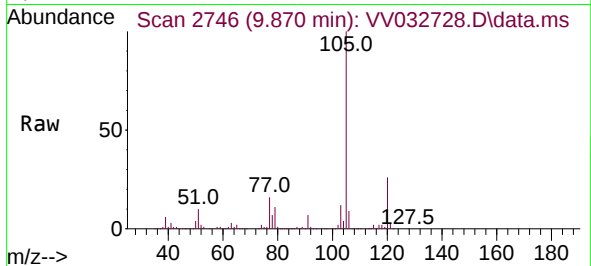




#60
Isopropylbenzene
Concen: 4.667 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

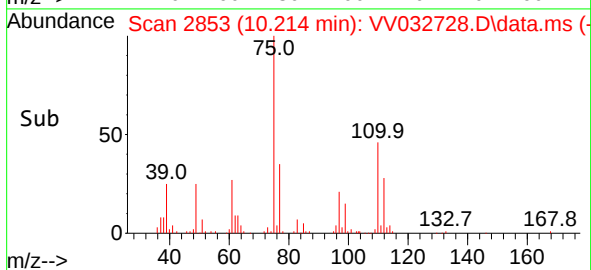
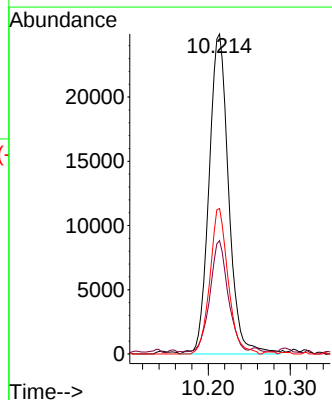
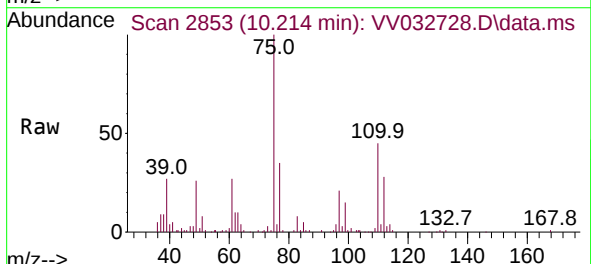
Instrument :
MSVOA_V
ClientSampleId :

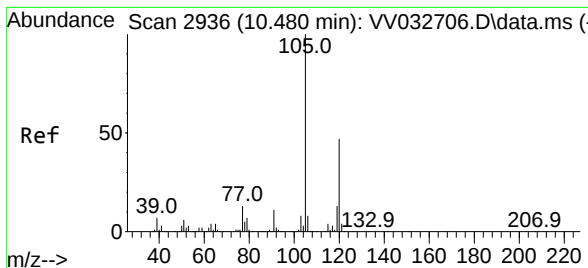
Tgt Ion:105 Resp: 279680
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.6
77 16.0 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.437 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion: 75 Resp: 41429
Ion Ratio Lower Upper
75 100
77 31.8 24.5 36.7
110 42.2 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 4.401 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

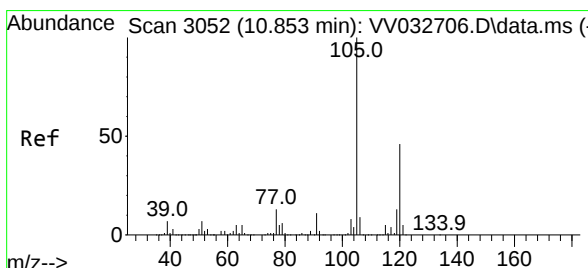
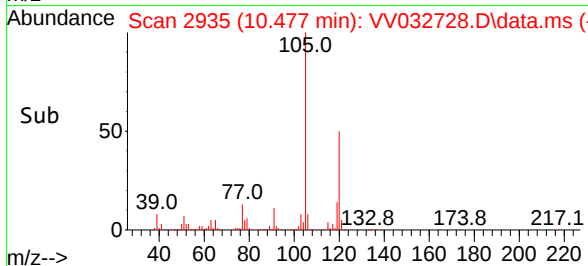
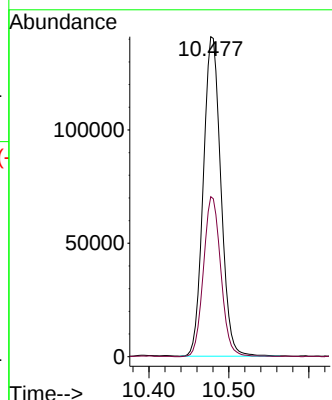
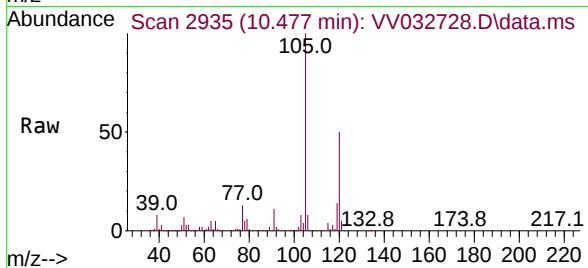
ClientSampleId :

Tgt Ion:105 Resp: 215588

Ion Ratio Lower Upper

105 100

120 49.8 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 4.573 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032728.D

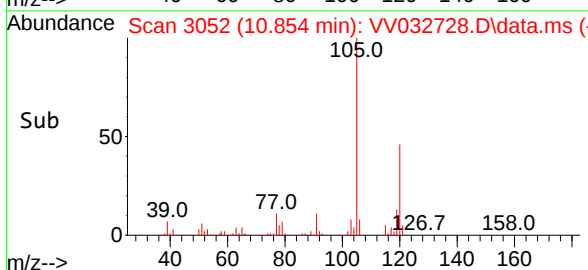
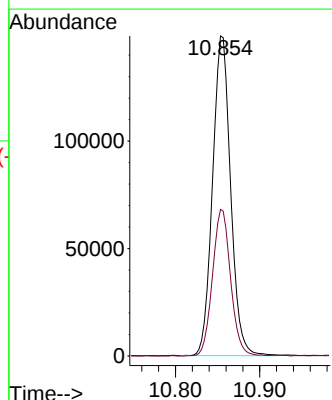
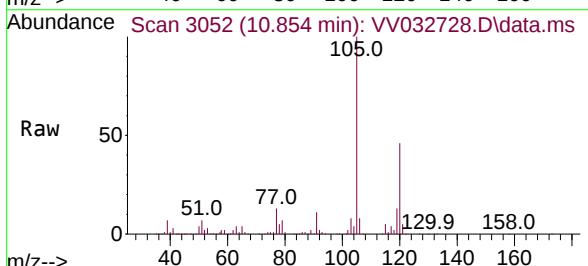
Acq: 28 Oct 2023 09:29

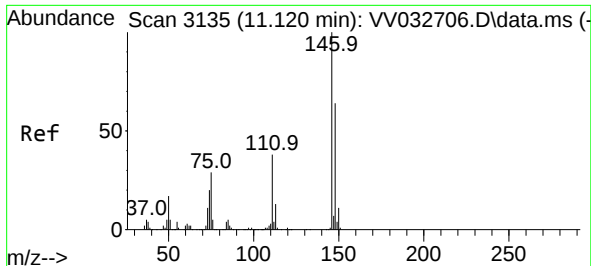
Tgt Ion:105 Resp: 221357

Ion Ratio Lower Upper

105 100

120 46.0 36.9 55.3

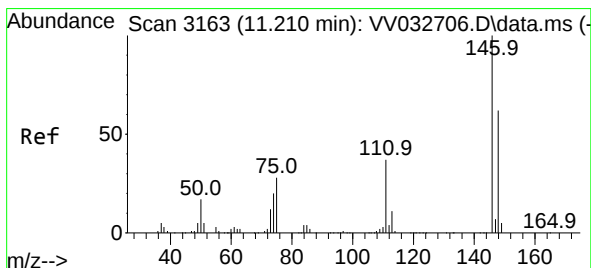
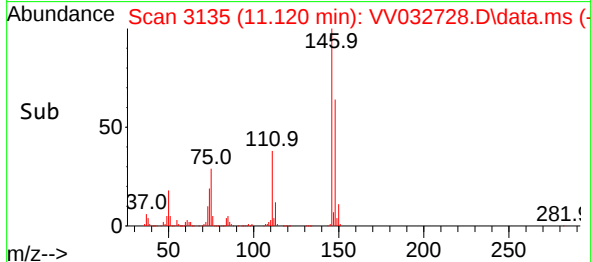
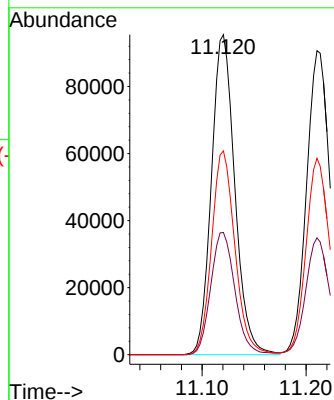
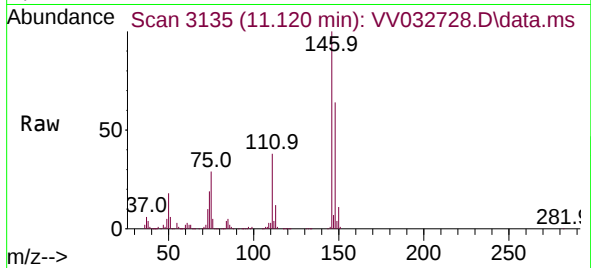




#64
1,3-Dichlorobenzene
Concen: 4.636 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

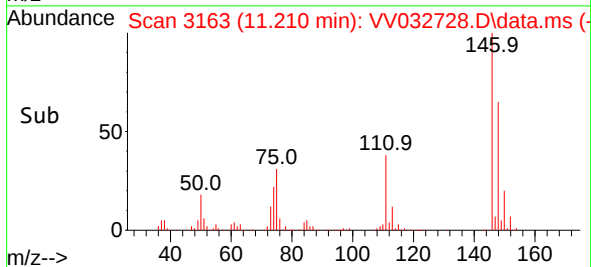
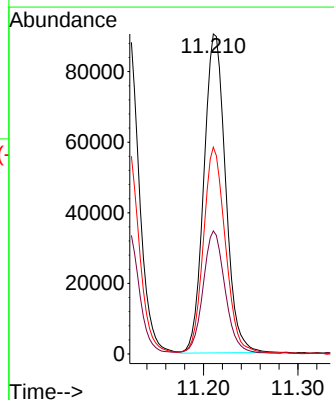
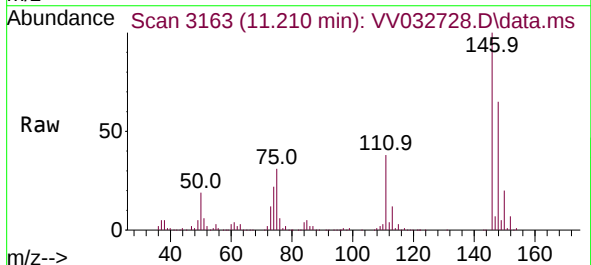
Instrument :
MSVOA_V
ClientSampleId :

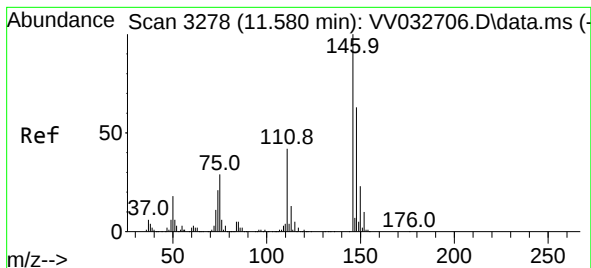
Tgt Ion:146 Resp: 149062
Ion Ratio Lower Upper
146 100
111 38.2 26.8 49.8
148 63.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.526 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032728.D
Acq: 28 Oct 2023 09:29

Tgt Ion:146 Resp: 144451
Ion Ratio Lower Upper
146 100
111 38.4 26.2 48.8
148 64.6 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 4.770 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

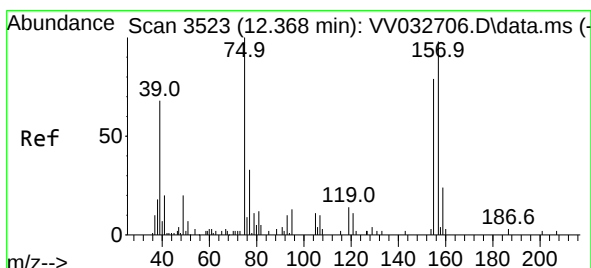
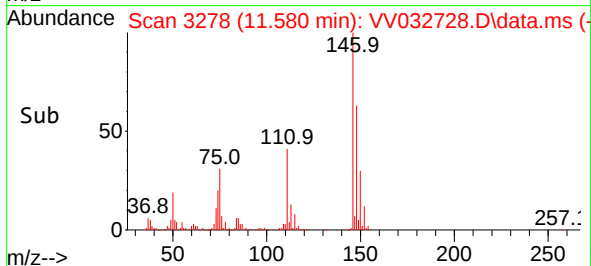
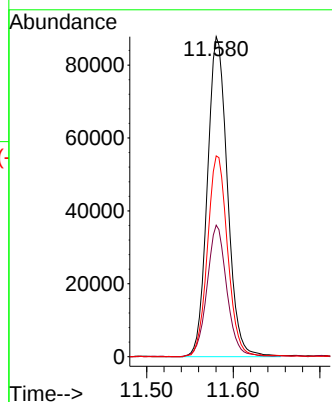
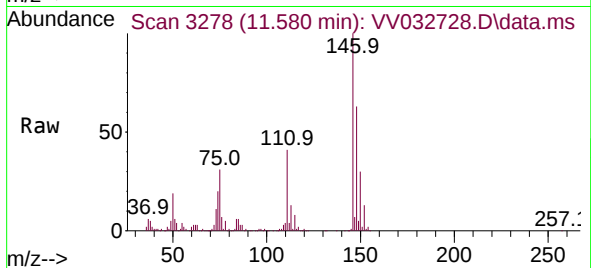
Tgt Ion:146 Resp: 141052

Ion Ratio Lower Upper

146 100

111 41.1 34.2 51.4

148 62.7 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.056 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

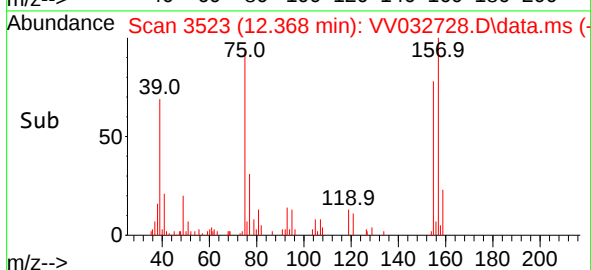
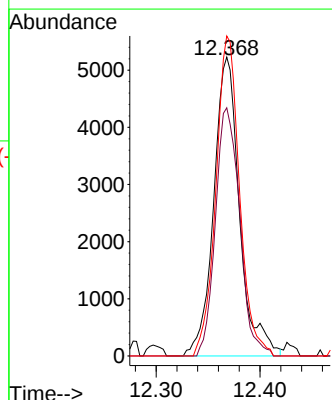
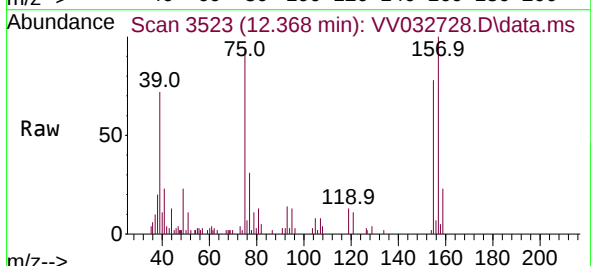
Tgt Ion: 75 Resp: 9051

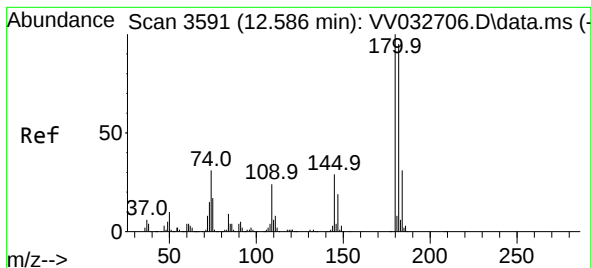
Ion Ratio Lower Upper

75 100

155 83.0 70.1 105.1

157 107.1 90.2 135.2





#69

1,3,5-Trichlorobenzene

Concen: 4.286 ug/L

RT: 12.583 min Scan# 3591

Delta R.T. -0.003 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 98356

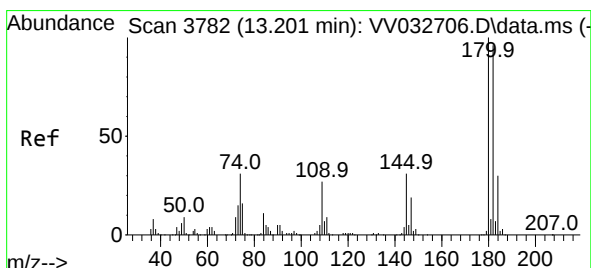
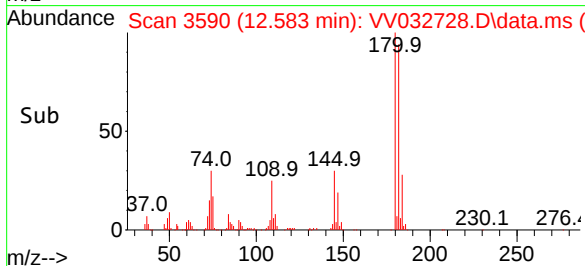
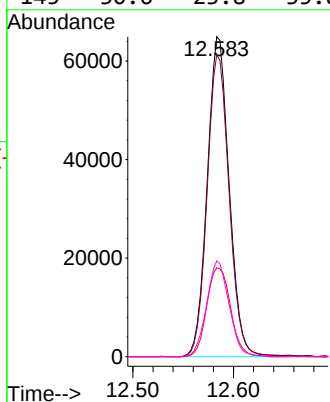
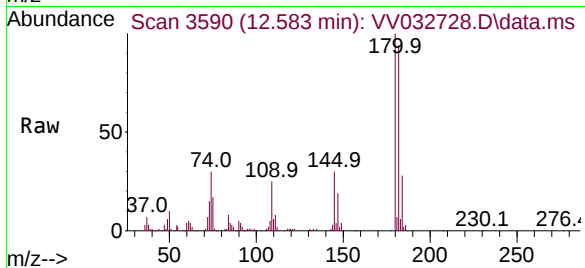
Ion Ratio Lower Upper

180 100

182 94.8 76.6 115.0

184 30.1 24.3 36.5

145 30.6 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 4.160 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

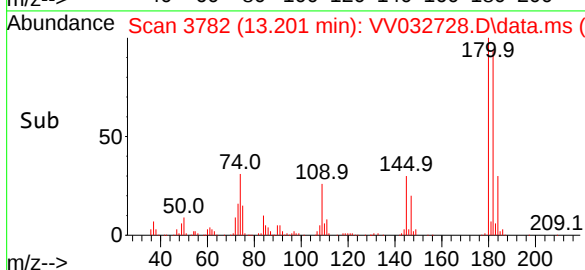
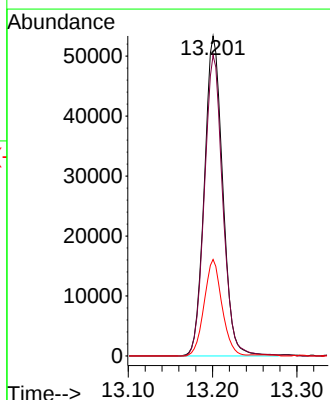
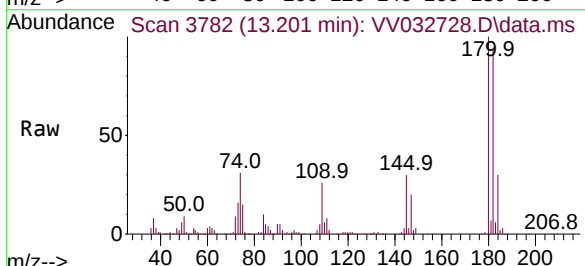
Tgt Ion:180 Resp: 81001

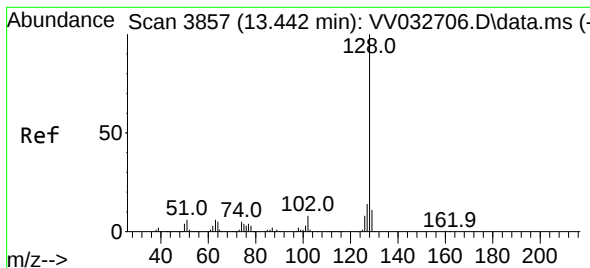
Ion Ratio Lower Upper

180 100

182 94.2 75.7 113.5

145 29.4 25.0 37.4





#71

Naphthalene

Concen: 3.816 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

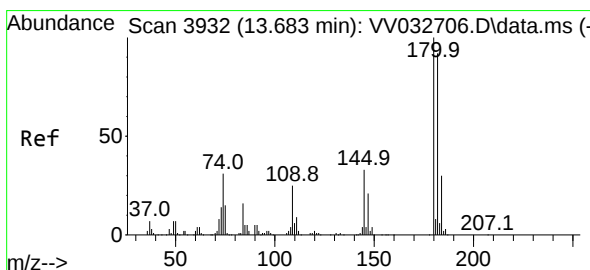
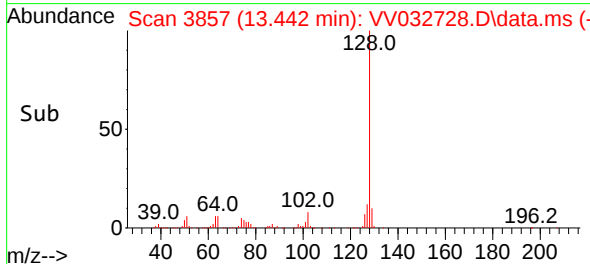
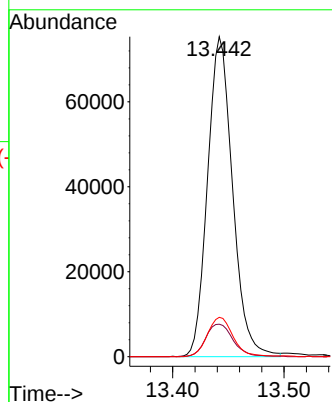
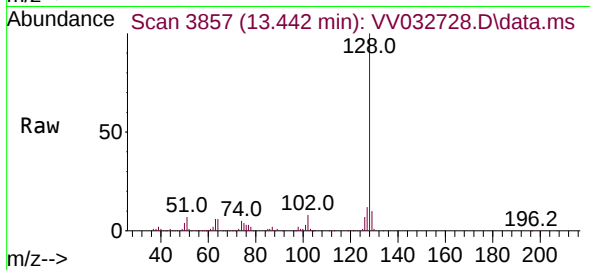
Tgt Ion:128 Resp: 117773

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 12.7 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.399 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032728.D

Acq: 28 Oct 2023 09:29

Tgt Ion:180 Resp: 75316

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 33.1 26.4 39.6

