

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100423\
 Data File : VV032217.D
 Acq On : 04 Oct 2023 09:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 05 01:35:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 30 04:24:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	109718	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	107836	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	55758	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	44464	4.983	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.600%
7) Chloroethane-d5	1.532	69	37778	5.216	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.400%
11) 1,1-Dichloroethene-d2	2.060	65	18227	4.843	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	3.818	46	98459	43.618	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.240%
24) Chloroform-d	4.249	84	80813	5.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	4.947	65	37136	4.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	4.960	84	158657	5.000	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	5.992	67	48972	4.658	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.246	98	142511	4.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	7.558	79	17927	4.812	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.030	63	83409	47.586	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.180%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	35572	4.838	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	50833	4.913	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	61989	5.070	ug/L	100
3) Chloromethane	1.214	50	59224	4.805	ug/L	98
5) Vinyl chloride	1.282	62	58119	4.944	ug/L	97
6) Bromomethane	1.487	94	34426	4.848	ug/L	99
8) Chloroethane	1.548	64	35092	4.958	ug/L	98
9) Trichlorofluoromethane	1.712	101	71379	5.063	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	43294	5.068	ug/L	97
12) 1,1-Dichloroethene	2.069	96	39860	4.954	ug/L	92
13) Acetone	2.150	43	80557	46.303	ug/L	80
14) Carbon disulfide	2.240	76	134802	4.792	ug/L	100
15) Methyl Acetate	2.391	43	16601	4.239	ug/L	96
16) Methylene chloride	2.445	84	46502	4.433	ug/L	95
17) Methyl tert-butyl Ether	2.706	73	100419	4.584	ug/L	99
18) trans-1,2-Dichloroethene	2.693	96	43206	4.688	ug/L	99
19) 1,1-Dichloroethane	3.111	63	83027	4.789	ug/L	99
21) 2-Butanone	3.902	43	118374	43.509	ug/L	98
22) cis-1,2-Dichloroethene	3.815	96	46187	4.654	ug/L	98
23) Bromochloromethane	4.150	128	20289	4.860	ug/L	95
25) Chloroform	4.278	83	78682	4.625	ug/L	99

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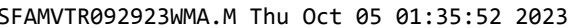
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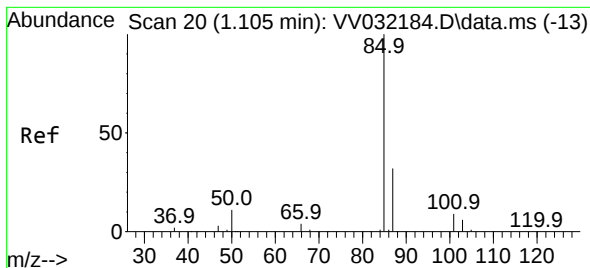
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	47132	4.690	ug/L	97
29) 1,1,1-Trichloroethane	4.513	97	67948	4.634	ug/L	98
30) Cyclohexane	4.584	56	73622	4.570	ug/L	96
31) Carbon tetrachloride	4.735	117	58873	4.746	ug/L	99
33) Benzene	5.011	78	177986	4.688	ug/L	100
34) Trichloroethene	5.834	95	48074	4.638	ug/L	100
35) Methylcyclohexane	6.050	83	75407	4.701	ug/L	98
37) 1,2-Dichloropropane	6.095	63	44863	4.418	ug/L	99
38) Bromodichloromethane	6.436	83	56928	4.719	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	67524	4.673	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	287127	44.686	ug/L	100
42) Toluene	7.317	91	185962	4.595	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	53695	4.522	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	32499	4.537	ug/L	99
47) Tetrachloroethene	7.905	164	35449	4.510	ug/L	95
48) 2-Hexanone	8.082	43	208923	46.085	ug/L	97
49) Dibromochloromethane	8.178	129	35185	4.718	ug/L	95
50) 1,2-Dibromoethane	8.284	107	30726	4.535	ug/L	96
51) Chlorobenzene	8.815	112	118688	4.555	ug/L	98
52) Ethylbenzene	8.947	91	203932	4.525	ug/L	99
53) m,p-Xylene	9.075	106	76884	4.600	ug/L	99
54) o-Xylene	9.481	106	72197	4.483	ug/L	97
55) Styrene	9.500	104	127950	4.704	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	35010	4.442	ug/L	98
59) Bromoform	9.670	173	18857	4.651	ug/L	98
60) Isopropylbenzene	9.870	105	200338	4.623	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	26104	4.399	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	159080	4.504	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	160886	4.576	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	93880	4.535	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	93608	4.507	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	86844	4.600	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	5003	4.126	ug/L	95
69) 1,3,5-Trichlorobenzene	12.587	180	67356	4.443	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	57777	4.297	ug/L	99
71) Naphthalene	13.442	128	85478	3.742	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	49927	4.309	ug/L	100

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

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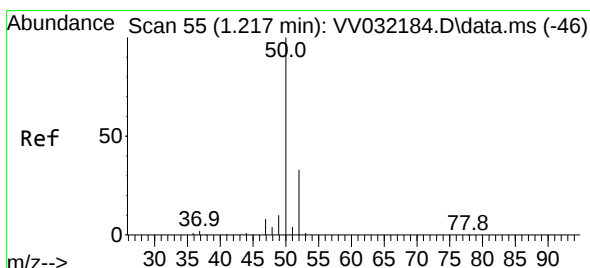
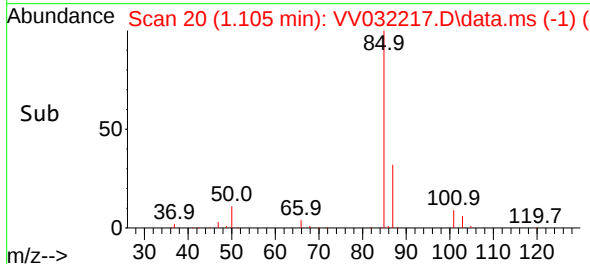
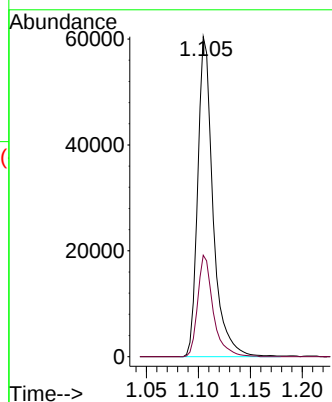
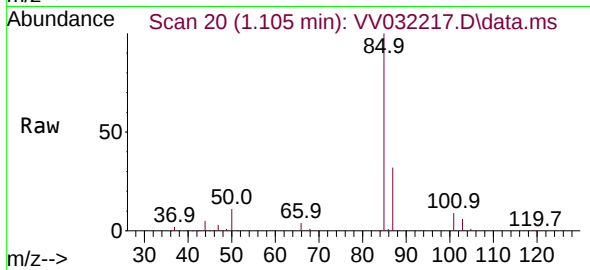




#2
 Dichlorodifluoromethane
 Concen: 5.070 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

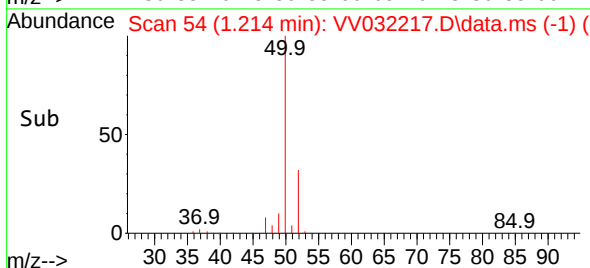
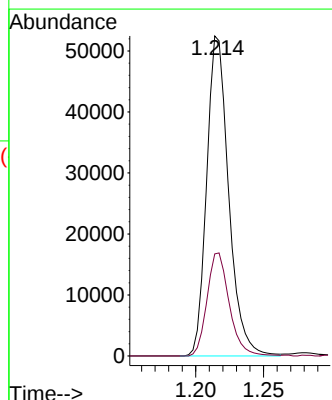
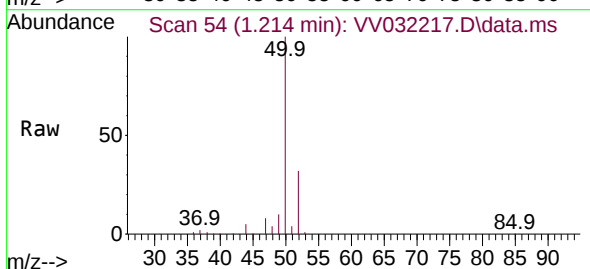
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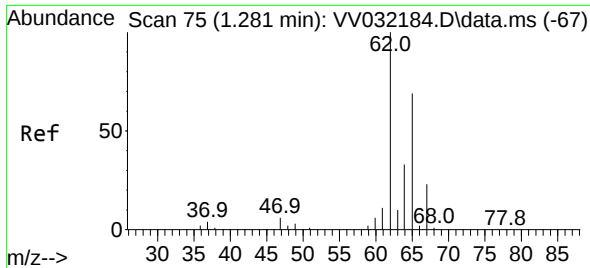
Tgt Ion: 85 Resp: 61989
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.5 38.3



#3
 Chloromethane
 Concen: 4.805 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

Tgt Ion: 50 Resp: 59224
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.0 42.6





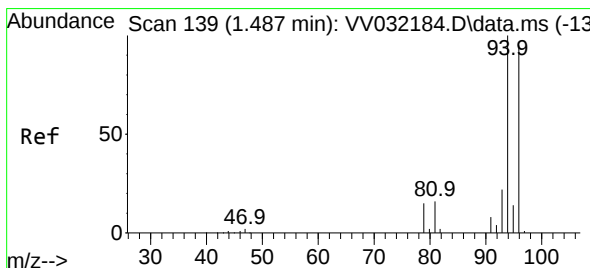
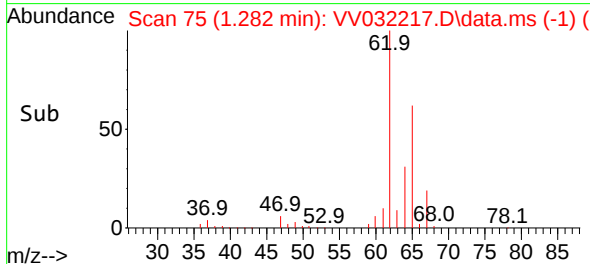
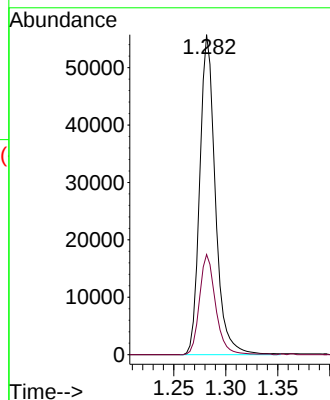
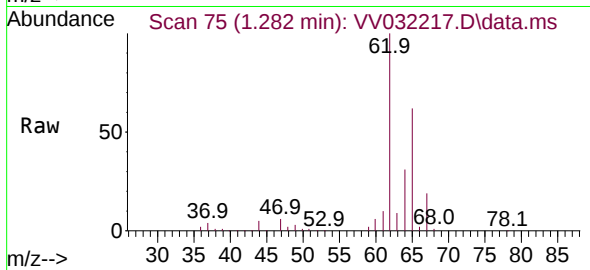
#5
 Vinyl chloride
 Concen: 4.944 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

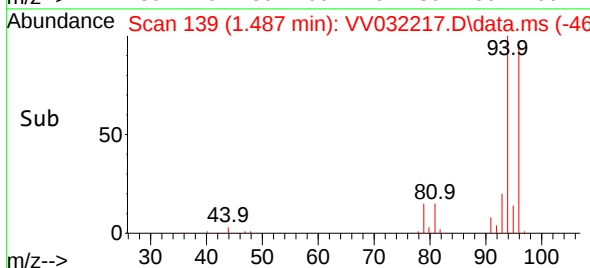
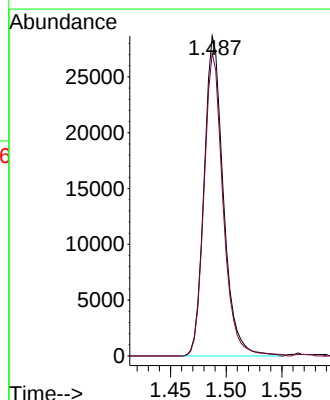
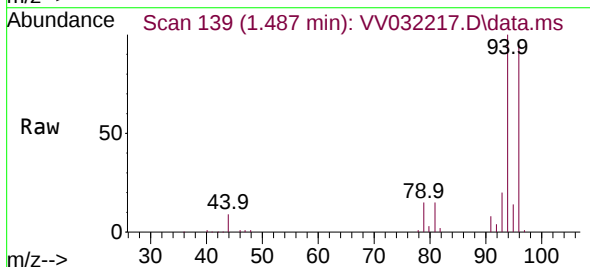
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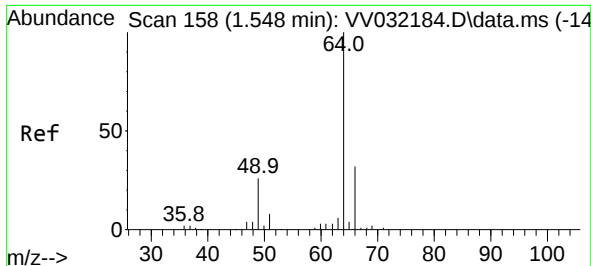
Tgt Ion: 62 Resp: 58119
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.1 42.9



#6
 Bromomethane
 Concen: 4.848 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

Tgt Ion: 94 Resp: 34426
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.8 124.2

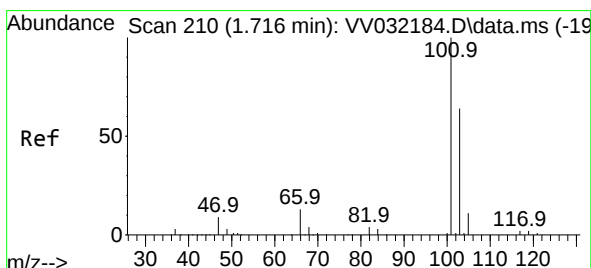
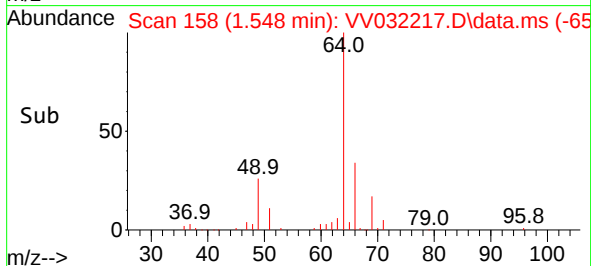
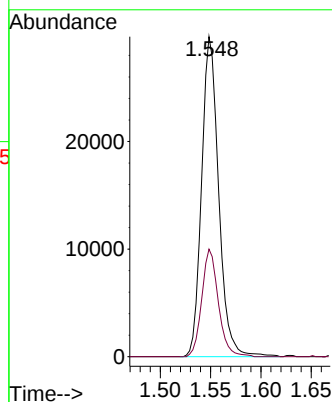
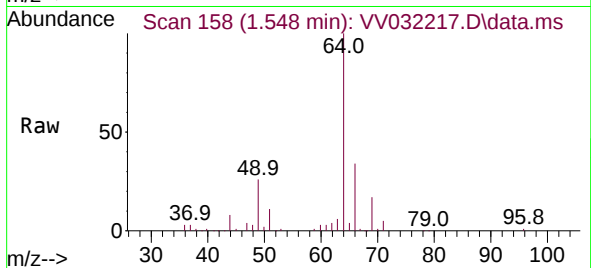




#8
Chloroethane
Concen: 4.958 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

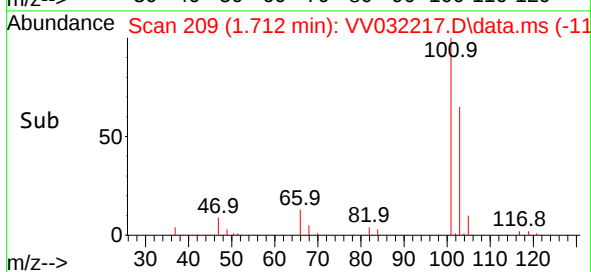
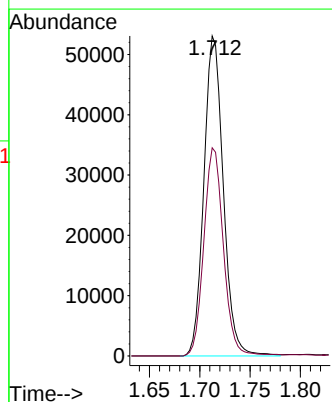
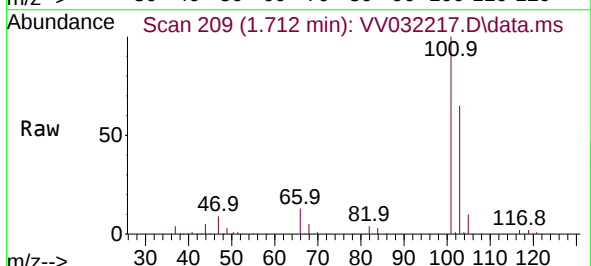
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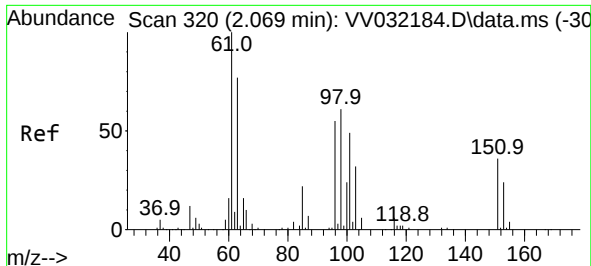
Tgt Ion: 64 Resp: 35092
Ion Ratio Lower Upper
64 100
66 33.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.063 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion:101 Resp: 71379
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2

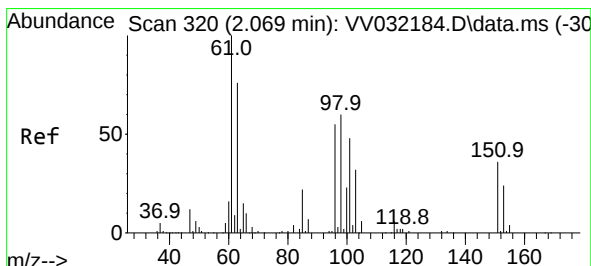
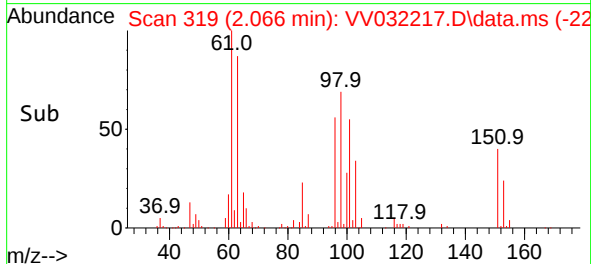
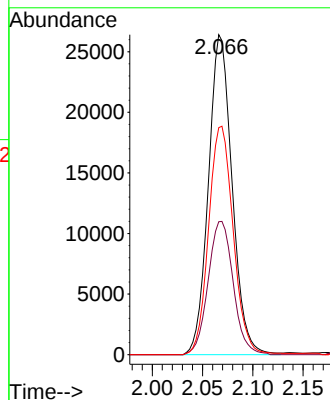
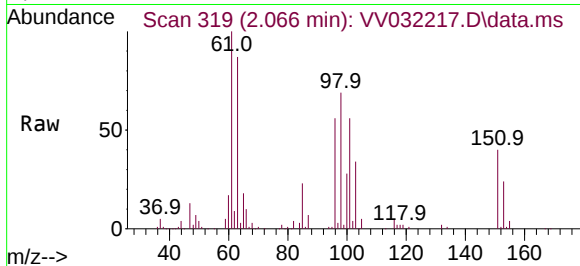




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.068 ug/L
 RT: 2.066 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

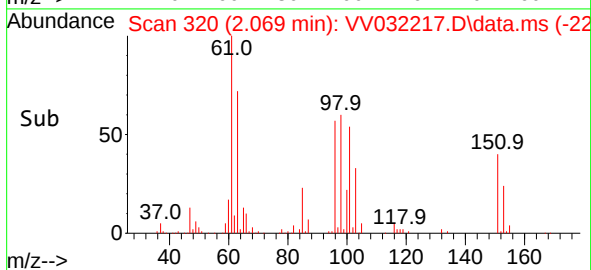
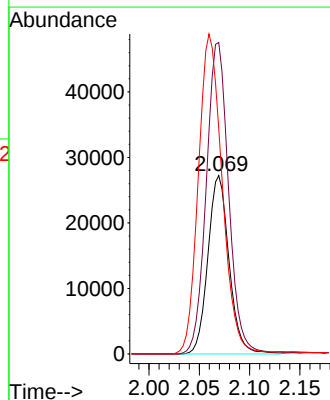
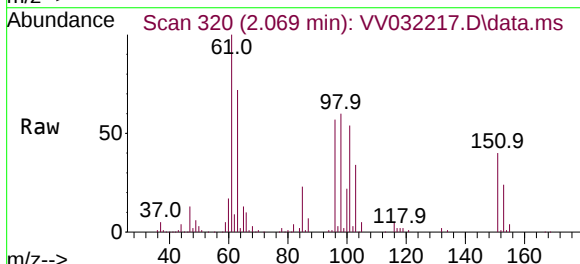
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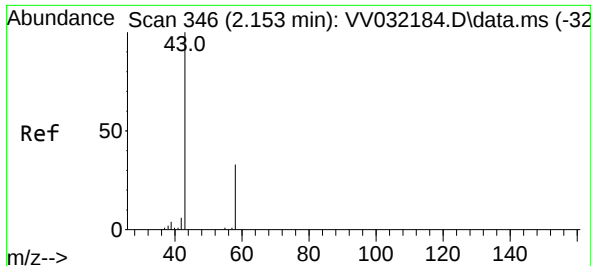
Tgt Ion:101 Resp: 43294
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.0 52.6
 151 74.5 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 4.954 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

Tgt Ion: 96 Resp: 39860
 Ion Ratio Lower Upper
 96 100
 61 174.6 127.3 236.3
 63 126.3 98.3 182.7





#13

Acetone

Concen: 46.303 ug/L

RT: 2.150 min Scan# 346

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

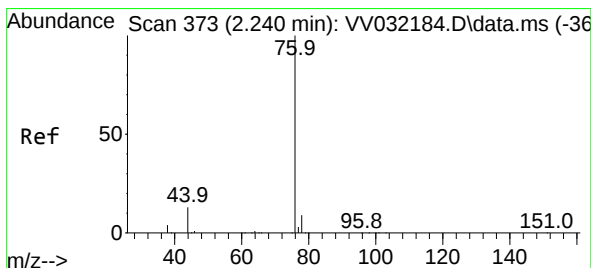
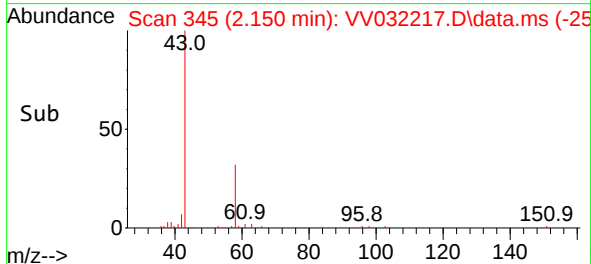
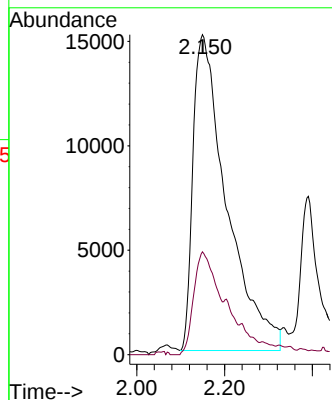
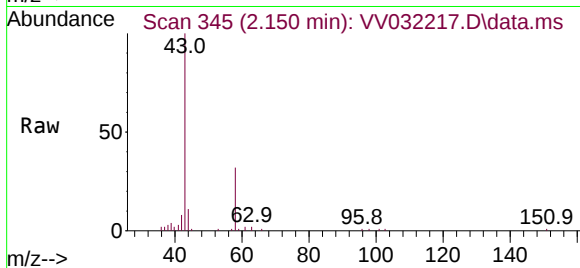
ClientSampleId :

Tgt Ion: 43 Resp: 80557

Ion Ratio Lower Upper

43 100

58 21.5 0.0 66.0



#14

Carbon disulfide

Concen: 4.792 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032217.D

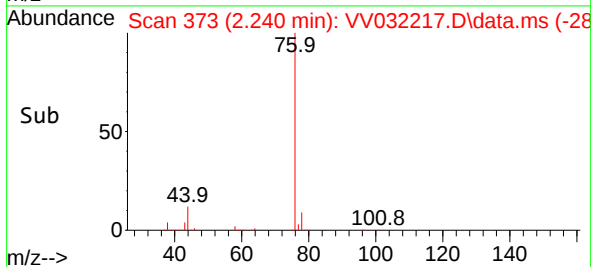
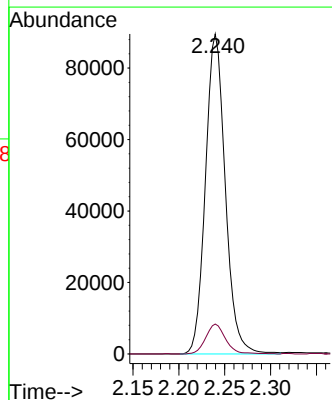
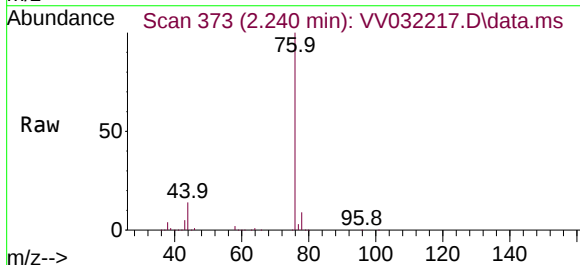
Acq: 04 Oct 2023 09:20

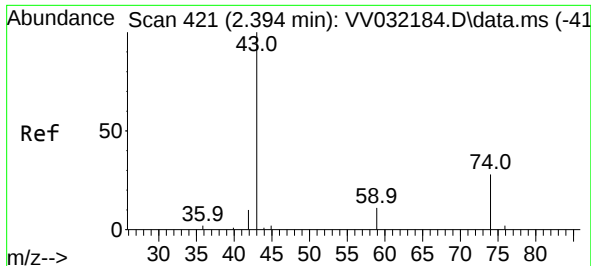
Tgt Ion: 76 Resp: 134802

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

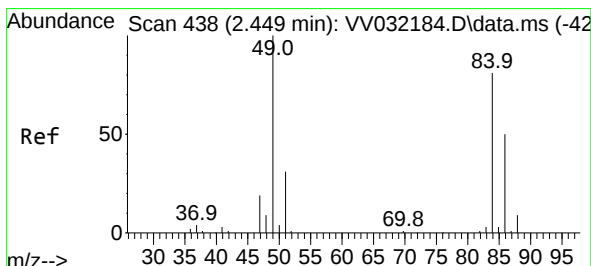
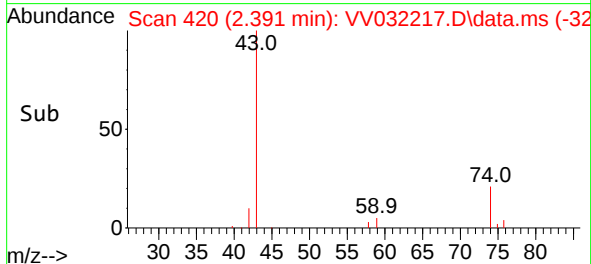
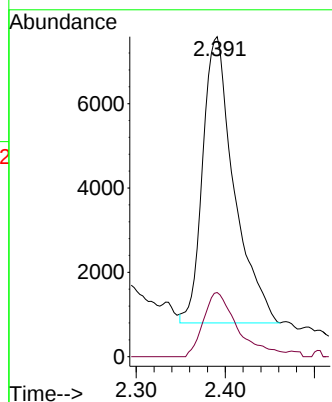
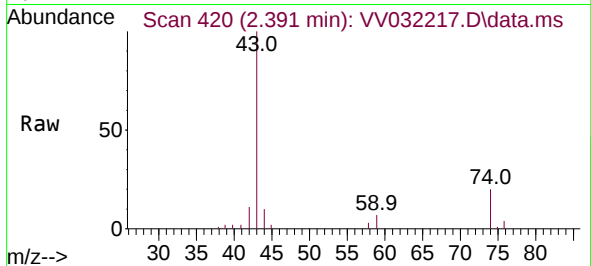




#15
Methyl Acetate
Concen: 4.239 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

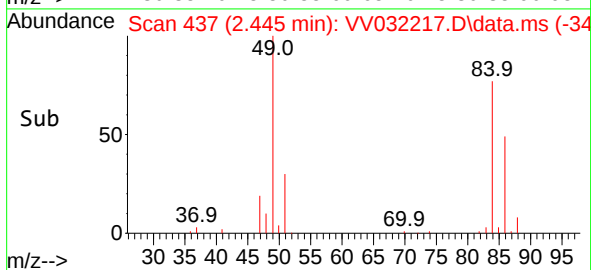
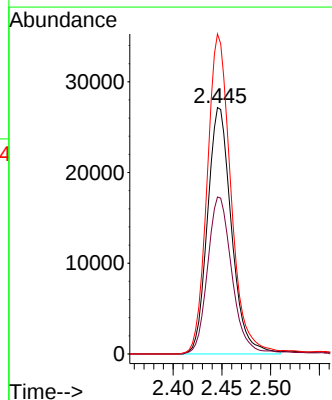
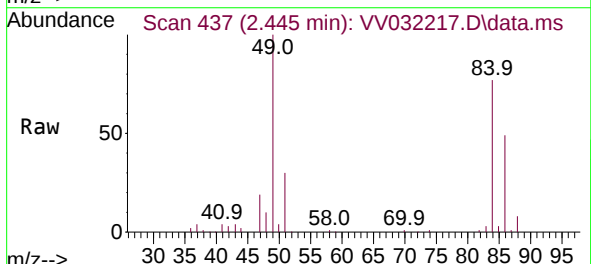
Instrument :
MSVOA_V
ClientSampleId :

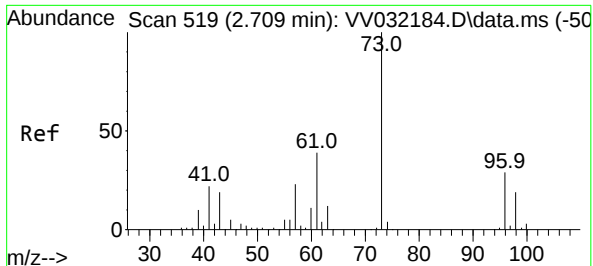
Tgt Ion: 43 Resp: 16601
Ion Ratio Lower Upper
43 100
74 24.6 18.0 27.0



#16
Methylene chloride
Concen: 4.433 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

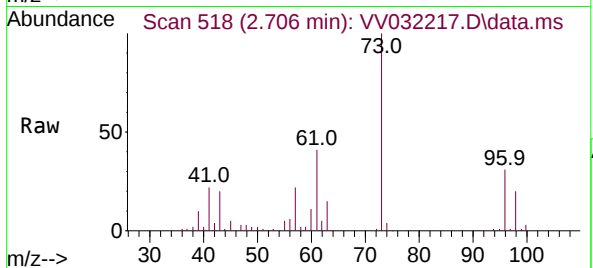
Tgt Ion: 84 Resp: 46502
Ion Ratio Lower Upper
84 100
86 63.7 43.2 80.2
49 129.9 86.3 160.3



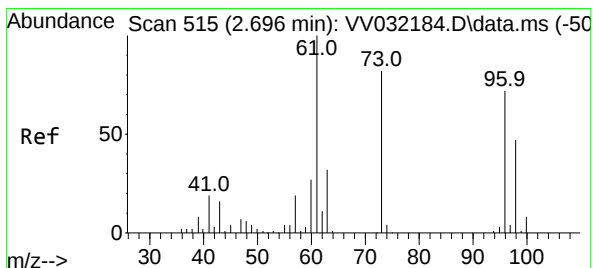
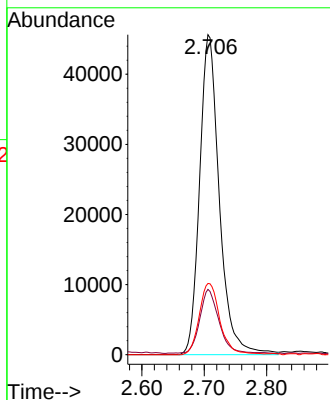
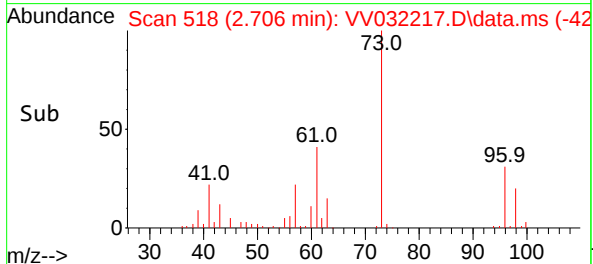


#17
Methyl tert-butyl Ether
Concen: 4.584 ug/L
RT: 2.706 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

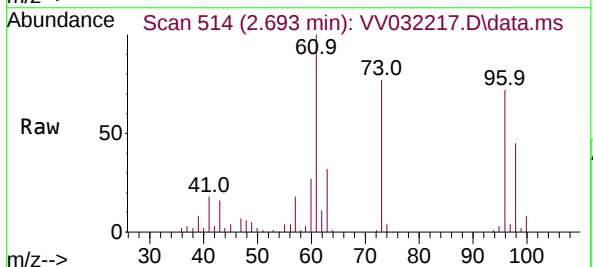
Instrument :
MSVOA_V
ClientSampleId :



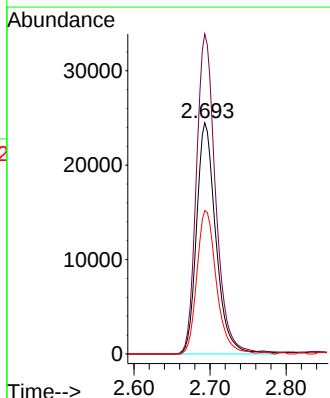
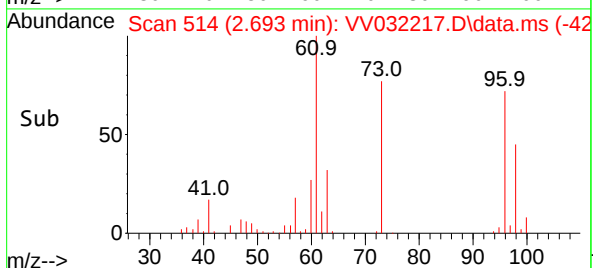
Tgt Ion: 73 Resp: 100419
Ion Ratio Lower Upper
73 100
43 19.4 15.1 22.7
57 23.3 18.3 27.5

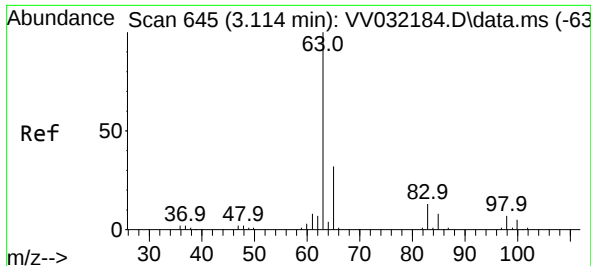


#18
trans-1,2-Dichloroethene
Concen: 4.688 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20



Tgt Ion: 96 Resp: 43206
Ion Ratio Lower Upper
96 100
61 138.4 96.9 180.1
98 62.0 45.3 84.1





#19

1,1-Dichloroethane

Concen: 4.789 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

ClientSampleId :

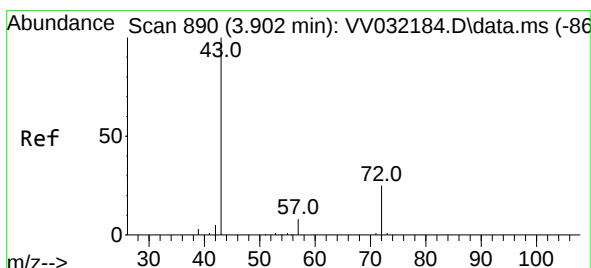
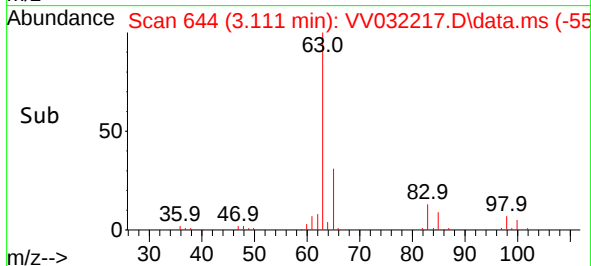
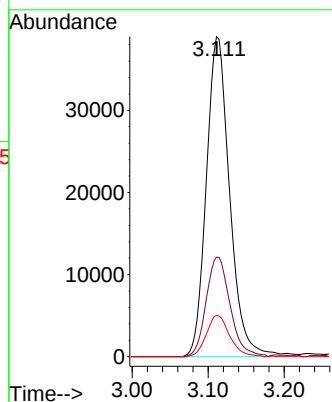
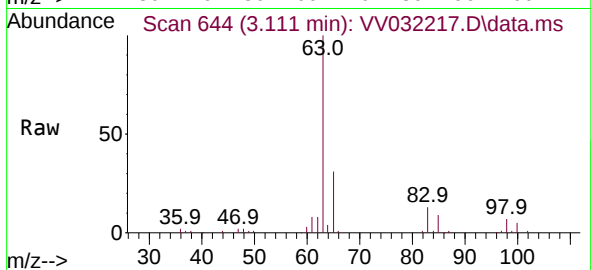
Tgt Ion: 63 Resp: 83027

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.5

83 12.9 9.0 16.6



#21

2-Butanone

Concen: 43.509 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.000 min

Lab File: VV032217.D

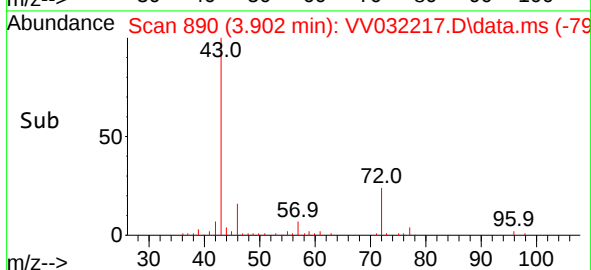
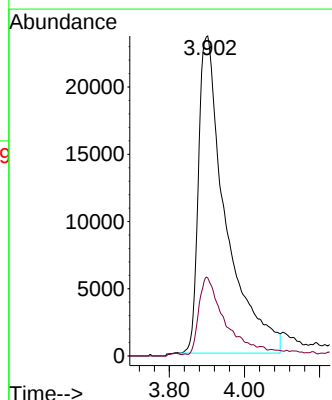
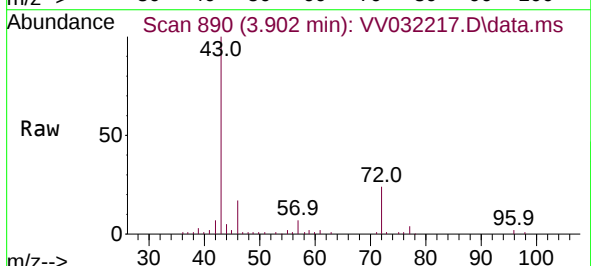
Acq: 04 Oct 2023 09:20

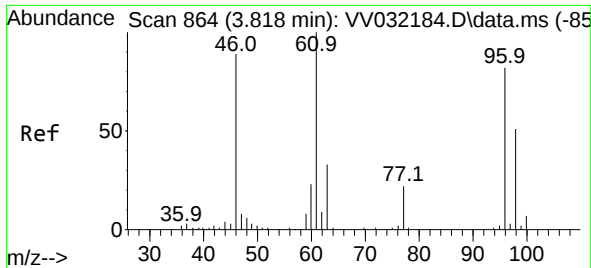
Tgt Ion: 43 Resp: 118374

Ion Ratio Lower Upper

43 100

72 22.4 11.6 34.8





#22

cis-1,2-Dichloroethene

Concen: 4.654 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

ClientSampleId :

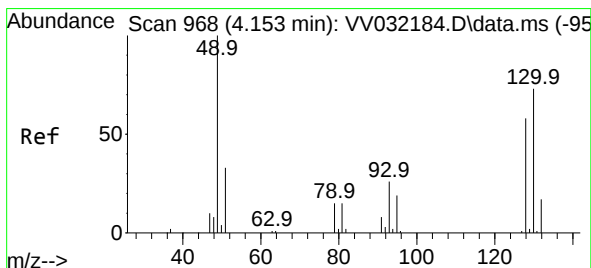
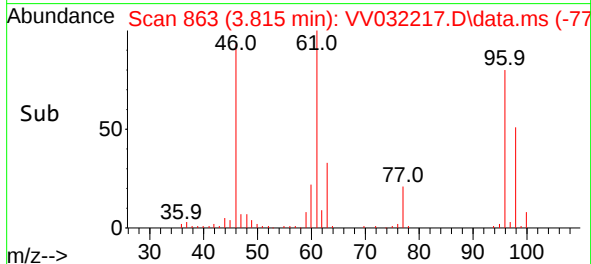
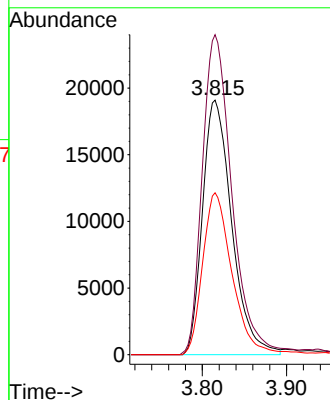
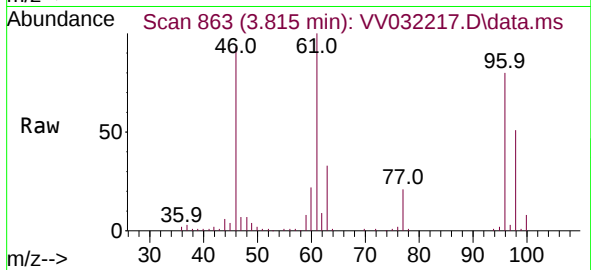
Tgt Ion: 96 Resp: 46187

Ion Ratio Lower Upper

96 100

61 125.7 85.8 159.4

98 63.6 44.0 81.6



#23

Bromochloromethane

Concen: 4.860 ug/L

RT: 4.150 min Scan# 967

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Tgt Ion: 128 Resp: 20289

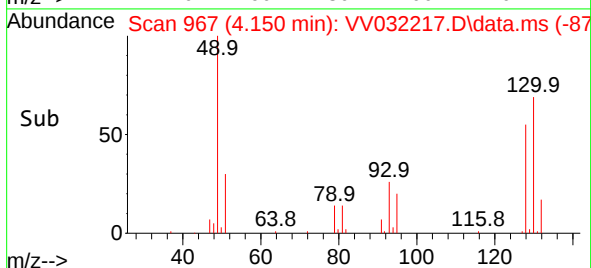
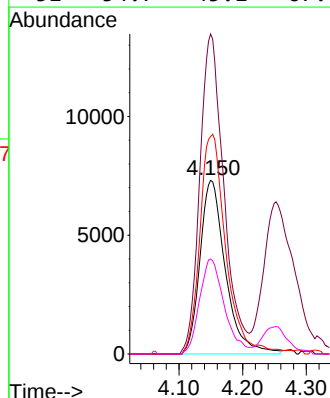
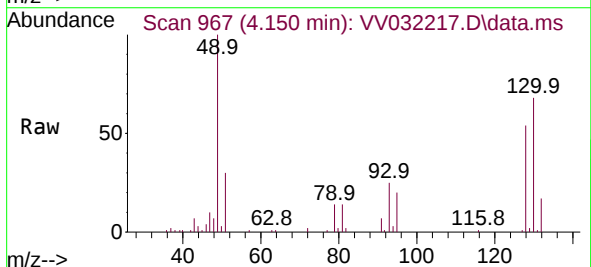
Ion Ratio Lower Upper

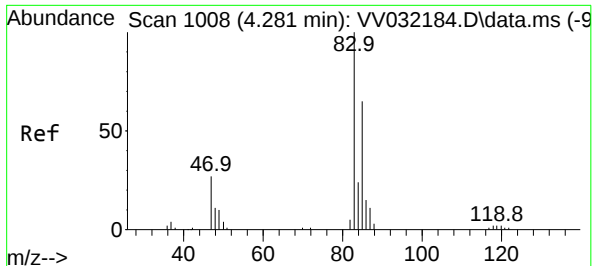
128 100

49 184.3 121.2 225.0

130 125.3 88.2 163.8

51 54.7 45.1 67.7

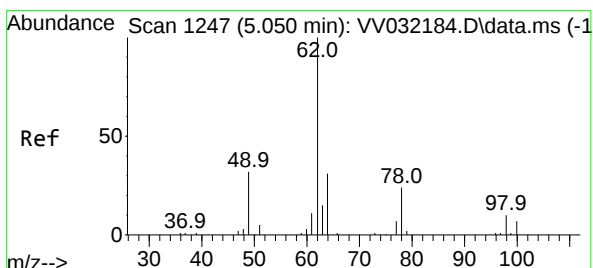
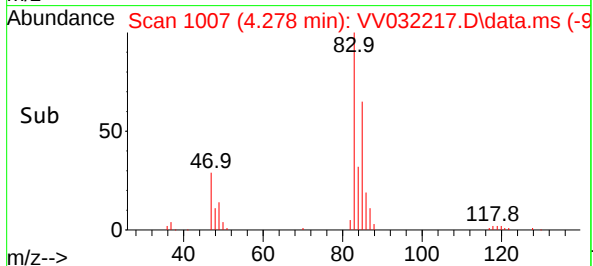
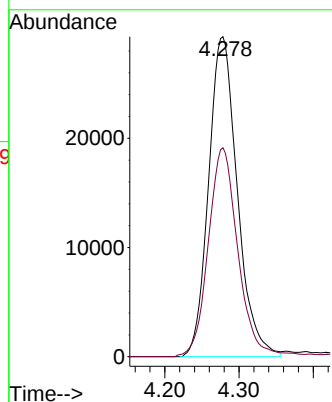
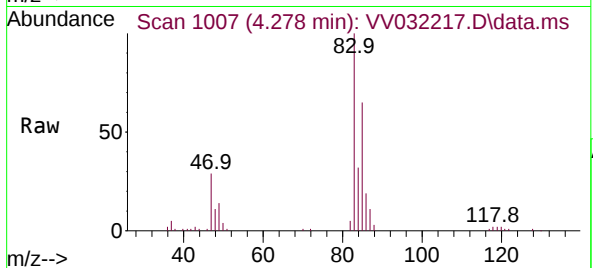




#25
Chloroform
Concen: 4.625 ug/L
RT: 4.278 min Scan# 10
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

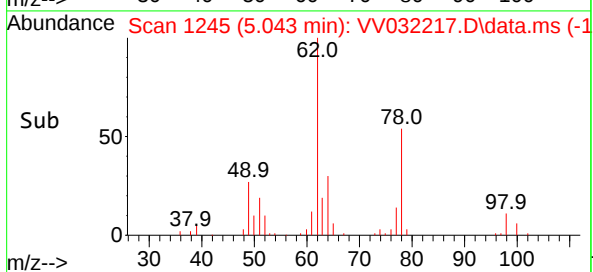
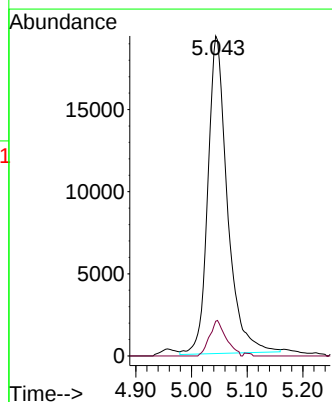
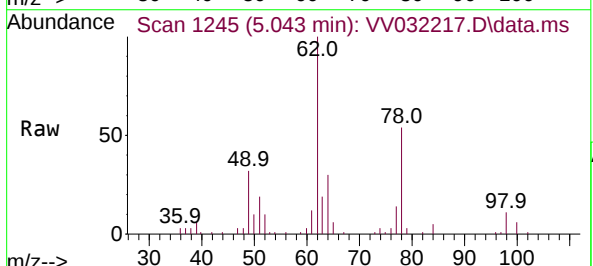
Instrument :
MSVOA_V
ClientSampleId :

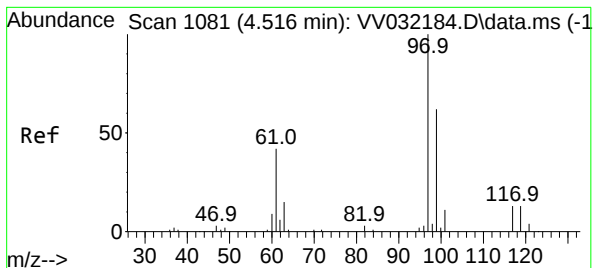
Tgt Ion: 83 Resp: 78682
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.690 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.006 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion: 62 Resp: 47132
Ion Ratio Lower Upper
62 100
98 10.9 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.634 ug/L

RT: 4.513 min Scan# 1081

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

ClientSampleId :

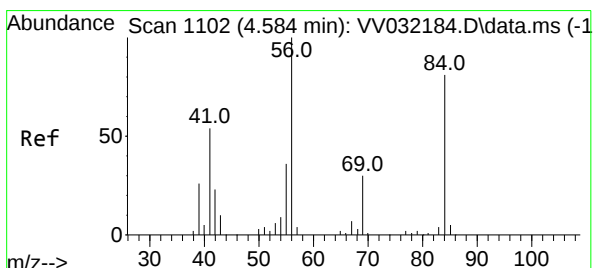
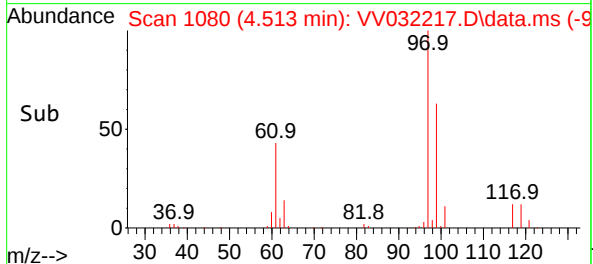
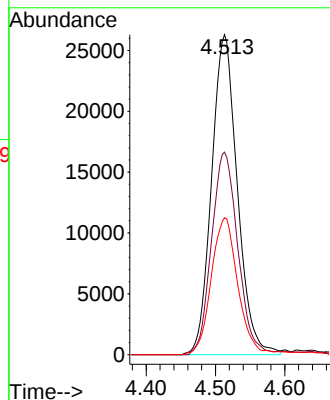
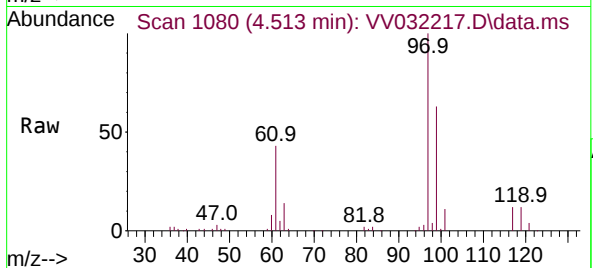
Tgt Ion: 97 Resp: 67948

Ion Ratio Lower Upper

97 100

99 64.5 50.1 75.1

61 44.0 35.1 52.7



#30

Cyclohexane

Concen: 4.570 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

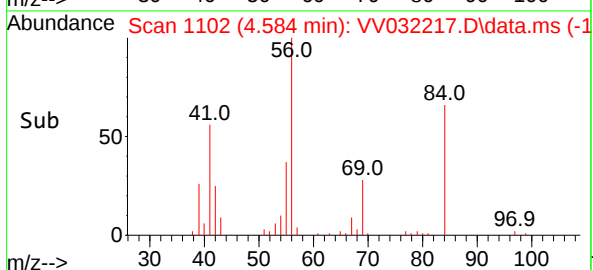
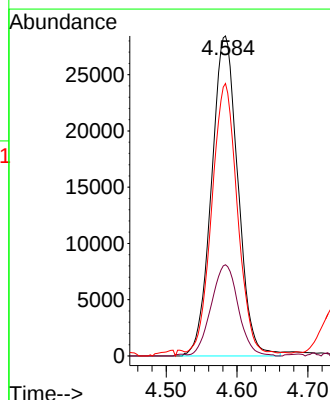
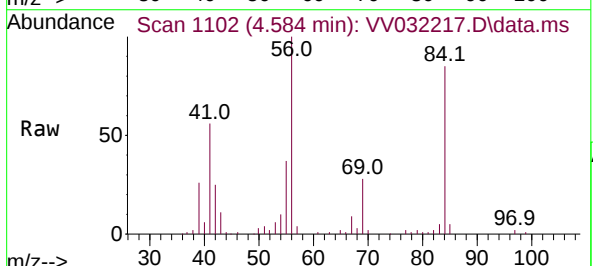
Tgt Ion: 56 Resp: 73622

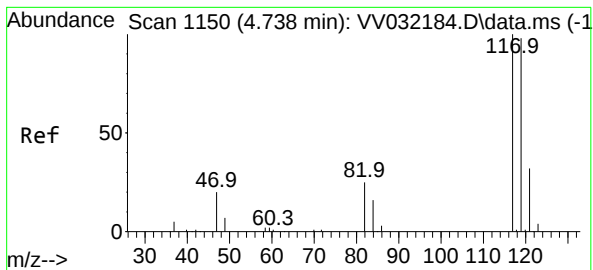
Ion Ratio Lower Upper

56 100

69 29.2 24.2 36.2

84 80.7 68.1 102.1





#31

Carbon tetrachloride

Concen: 4.746 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

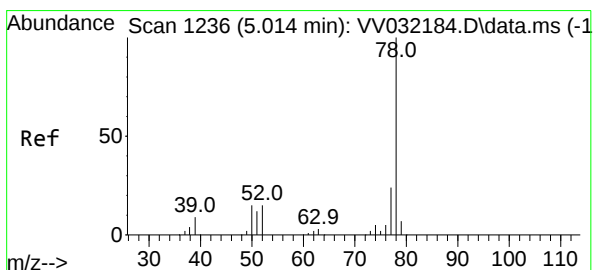
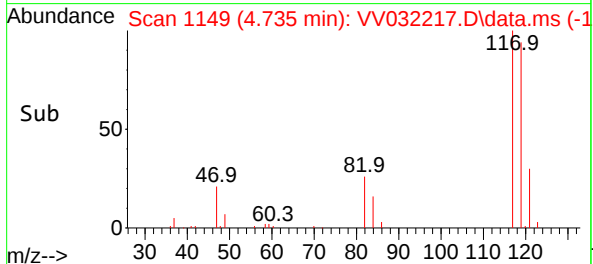
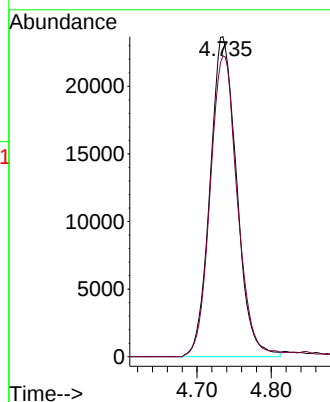
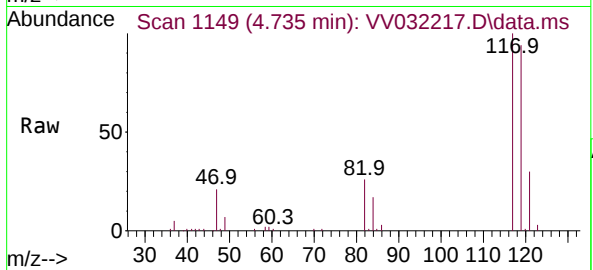
ClientSampleId :

Tgt Ion:117 Resp: 58873

Ion Ratio Lower Upper

117 100

119 96.2 77.6 116.4



#33

Benzene

Concen: 4.688 ug/L

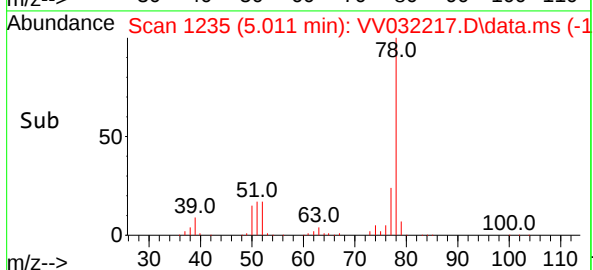
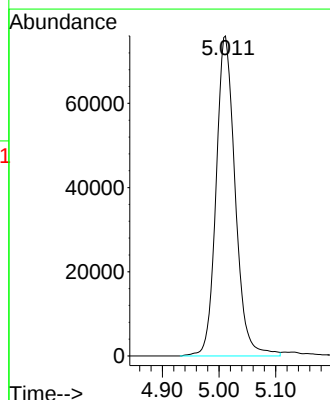
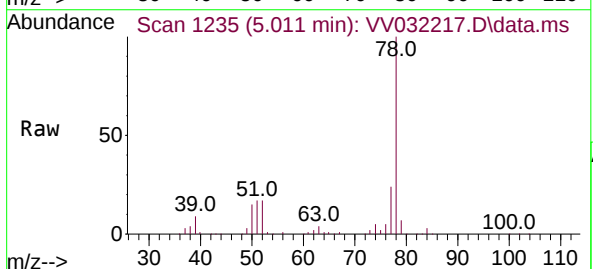
RT: 5.011 min Scan# 1235

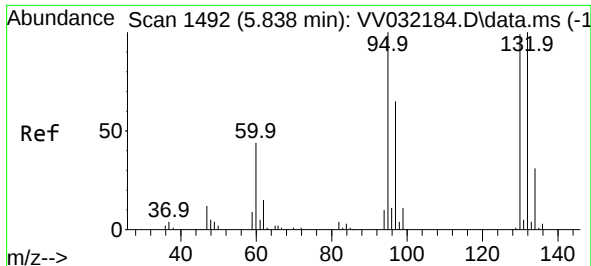
Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Tgt Ion: 78 Resp: 177986

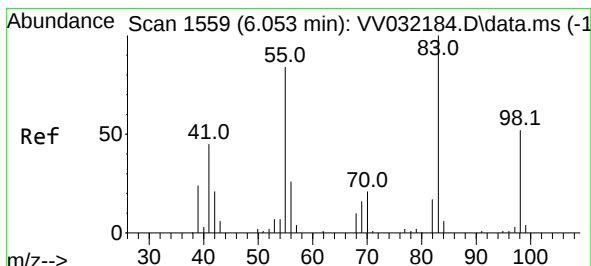
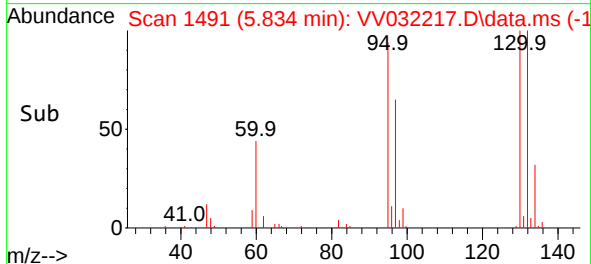
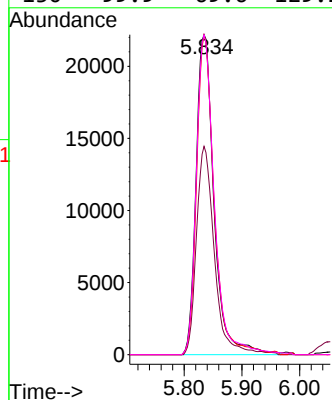
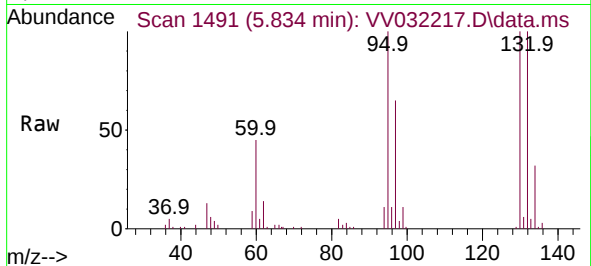




#34
 Trichloroethene
 Concen: 4.638 ug/L
 RT: 5.834 min Scan# 1492
 Delta R.T. -0.003 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

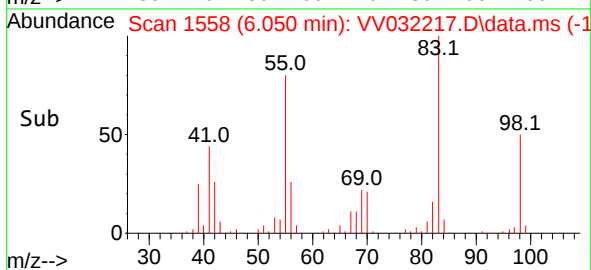
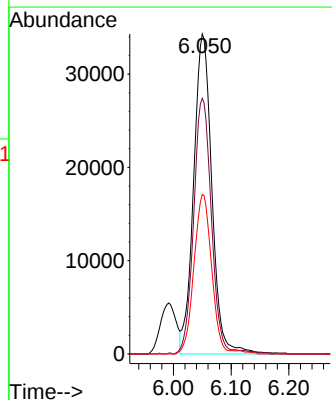
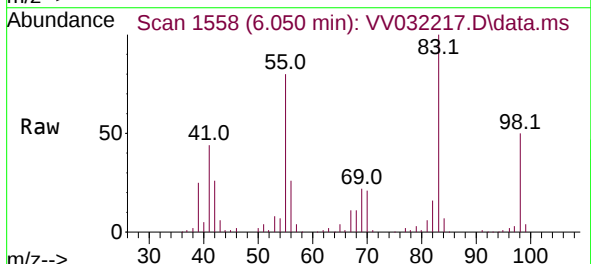
Instrument :
 MSVOA_V
 ClientSampleId :

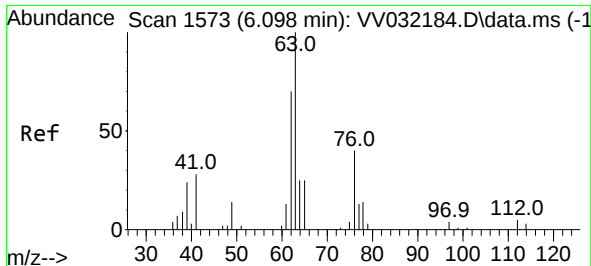
Tgt Ion: 95 Resp: 48074
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.7 84.9
 132 99.9 70.3 130.5
 130 99.9 69.6 129.2



#35
 Methylcyclohexane
 Concen: 4.701 ug/L
 RT: 6.050 min Scan# 1558
 Delta R.T. -0.003 min
 Lab File: VV032217.D
 Acq: 04 Oct 2023 09:20

Tgt Ion: 83 Resp: 75407
 Ion Ratio Lower Upper
 83 100
 55 78.1 64.2 96.2
 98 48.1 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.418 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

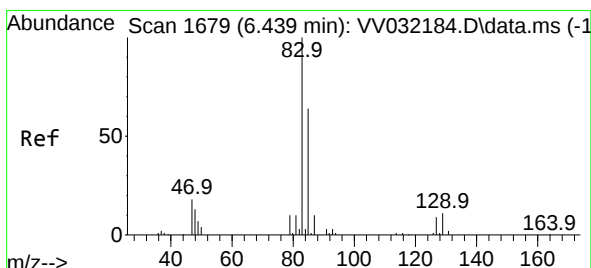
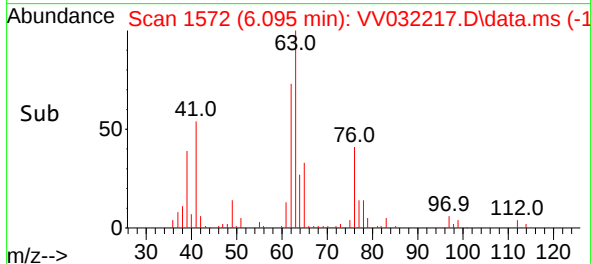
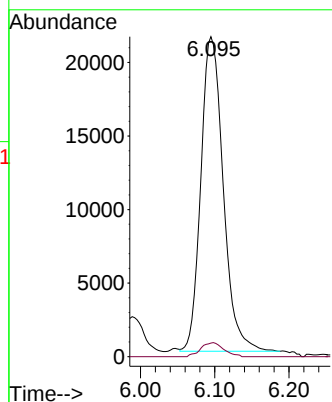
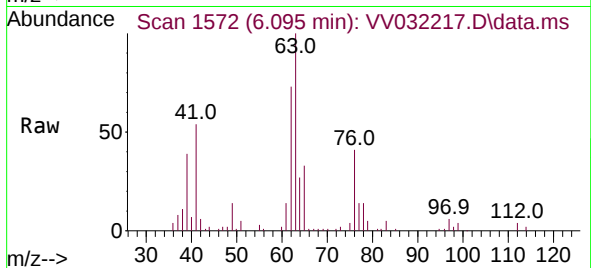
ClientSampleId :

Tgt Ion: 63 Resp: 44863

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#38

Bromodichloromethane

Concen: 4.719 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

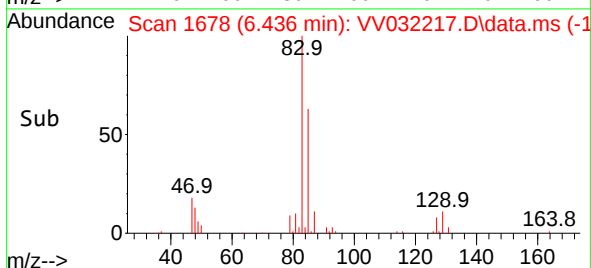
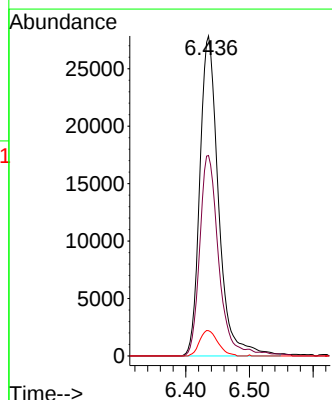
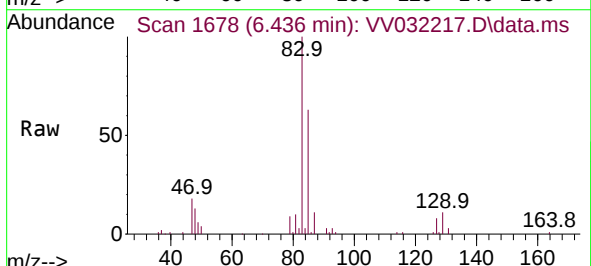
Tgt Ion: 83 Resp: 56928

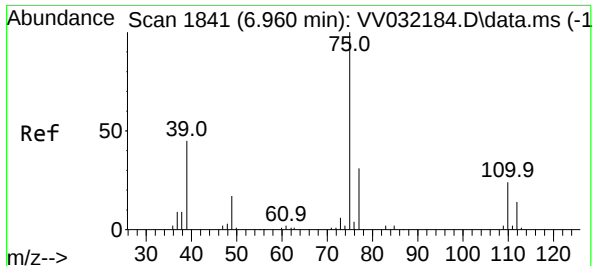
Ion Ratio Lower Upper

83 100

85 62.7 44.9 83.3

127 7.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.673 ug/L

RT: 6.957 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

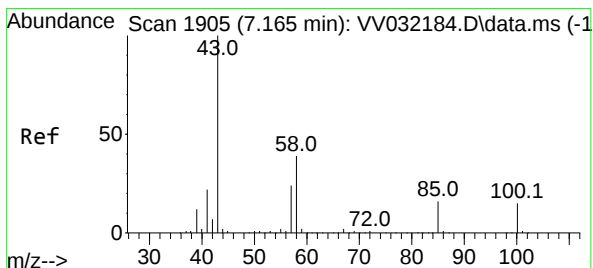
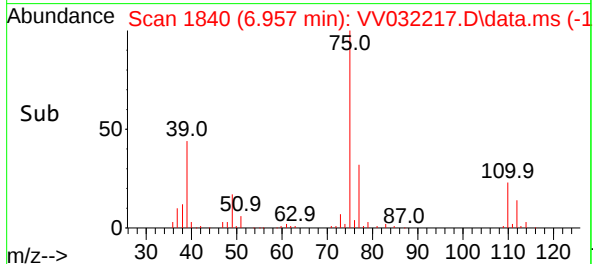
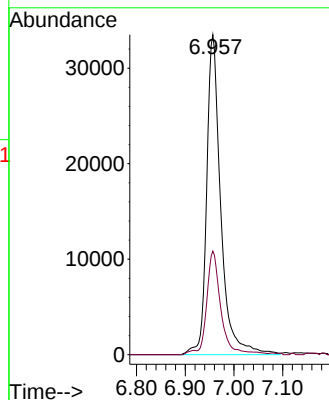
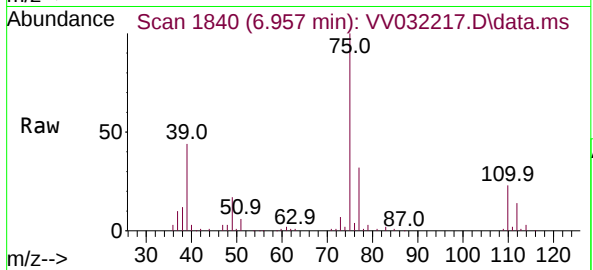
ClientSampleId :

Tgt Ion: 75 Resp: 67524

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 44.686 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

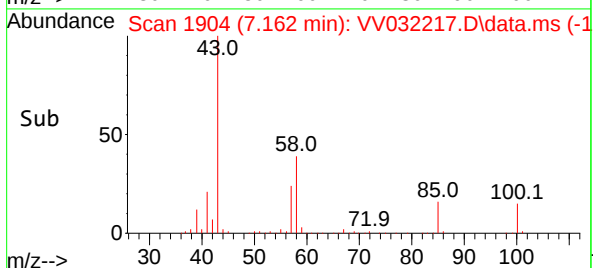
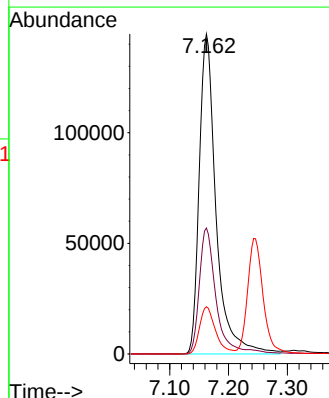
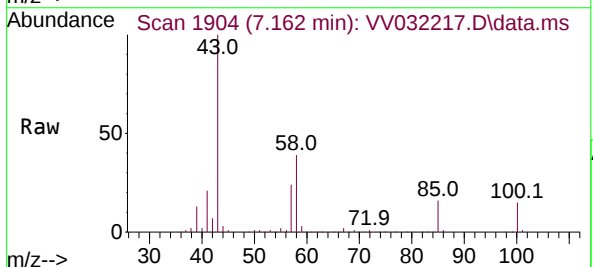
Tgt Ion: 43 Resp: 287127

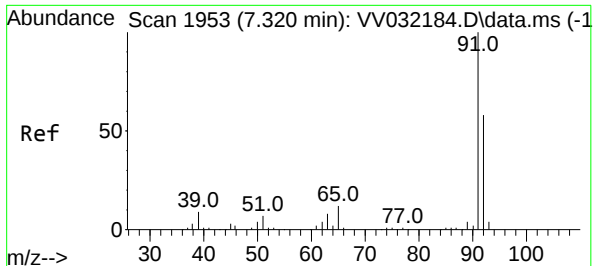
Ion Ratio Lower Upper

43 100

58 39.5 31.9 47.9

100 14.1 11.3 16.9





#42

Toluene

Concen: 4.595 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

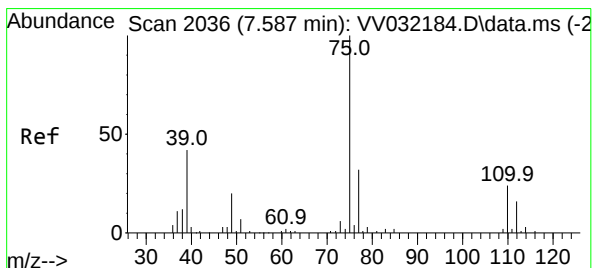
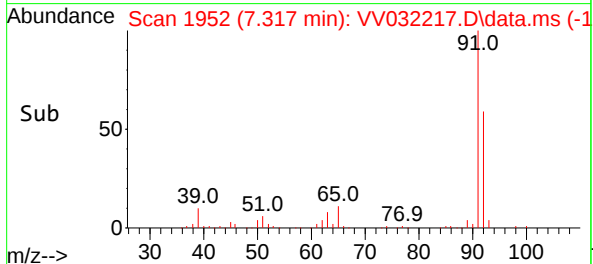
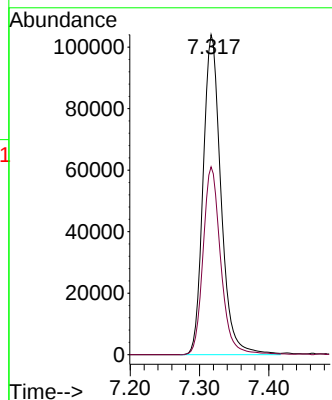
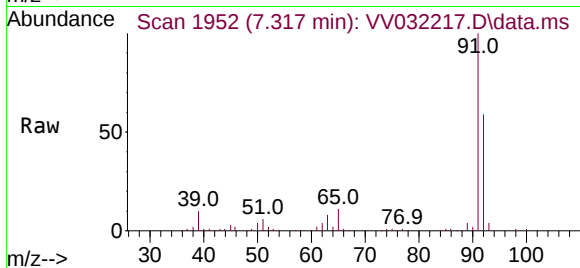
ClientSampleId :

Tgt Ion: 91 Resp: 185962

Ion Ratio Lower Upper

91 100

92 58.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.522 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV032217.D

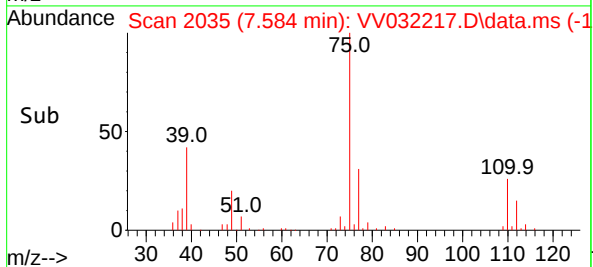
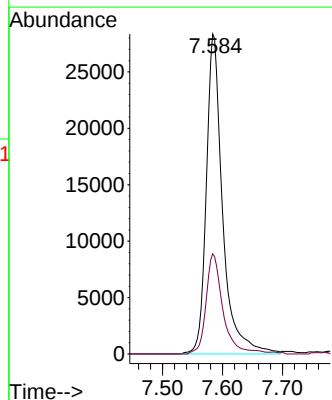
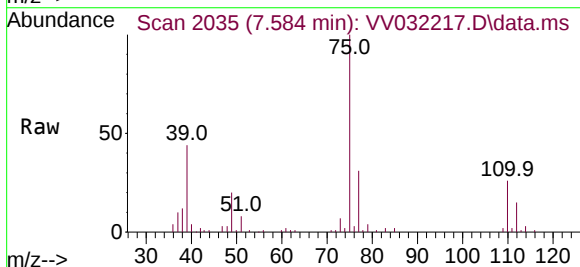
Acq: 04 Oct 2023 09:20

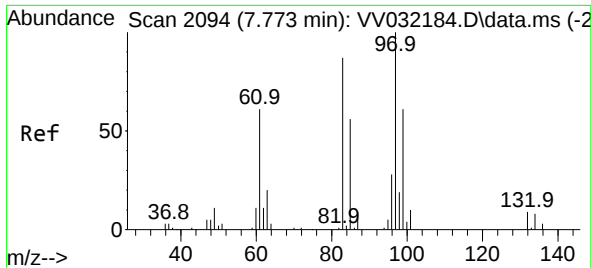
Tgt Ion: 75 Resp: 53695

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7

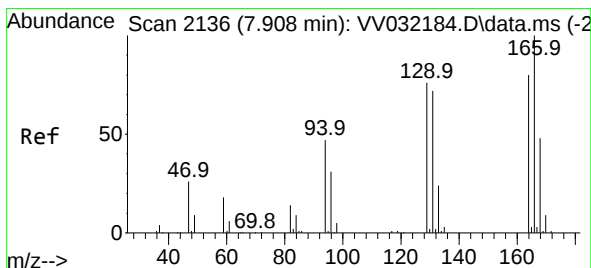
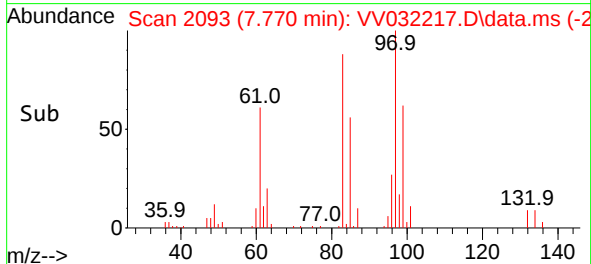
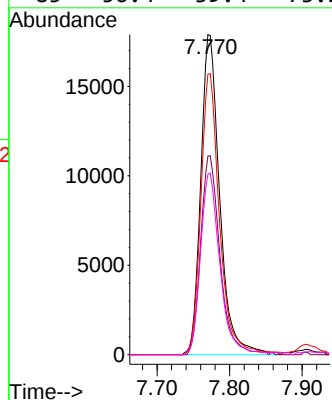
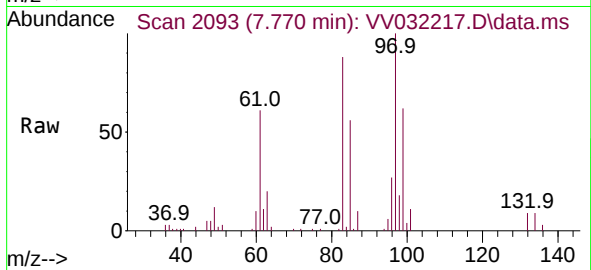




#45
1,1,2-Trichloroethane
Concen: 4.537 ug/L
RT: 7.770 min Scan# 2094
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

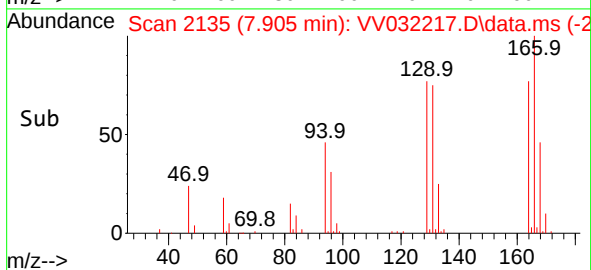
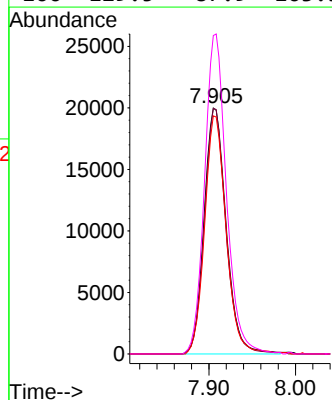
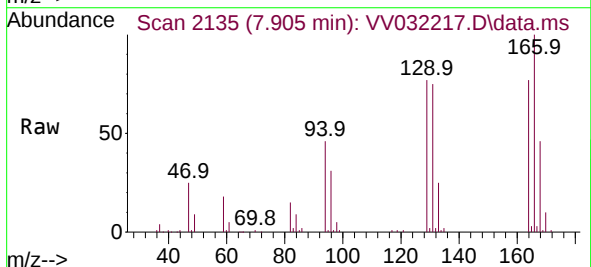
Instrument :
MSVOA_V
ClientSampleId :

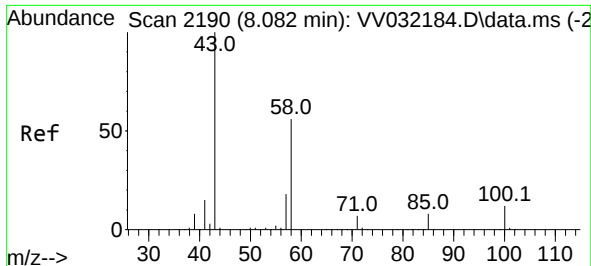
Tgt Ion:	97	Resp:	32499
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.8	79.4
83	87.6	60.9	113.1
85	56.4	39.4	73.2



#47
Tetrachloroethene
Concen: 4.510 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion:	164	Resp:	35449
Ion	Ratio	Lower	Upper
164	100		
129	99.8	66.4	123.4
131	96.8	63.7	118.3
166	129.5	87.9	163.3



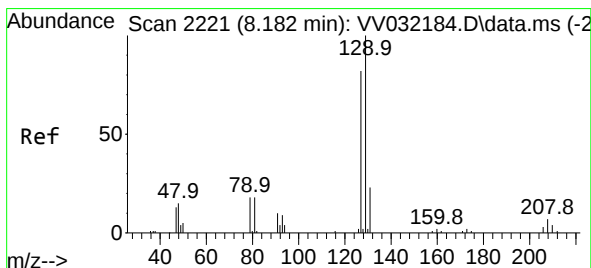
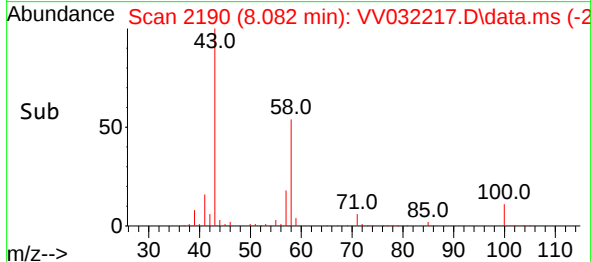
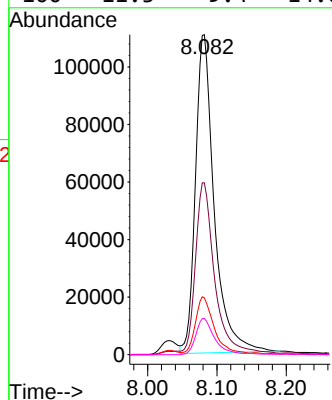
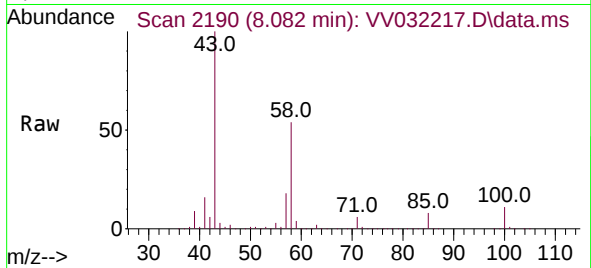


#48
2-Hexanone
Concen: 46.085 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 208923

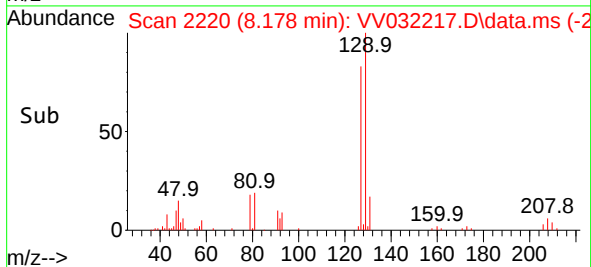
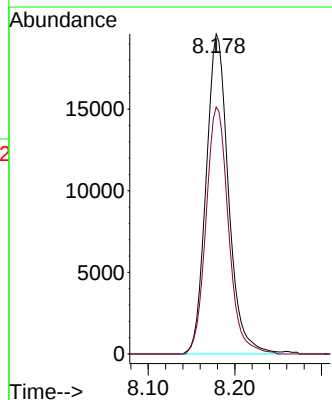
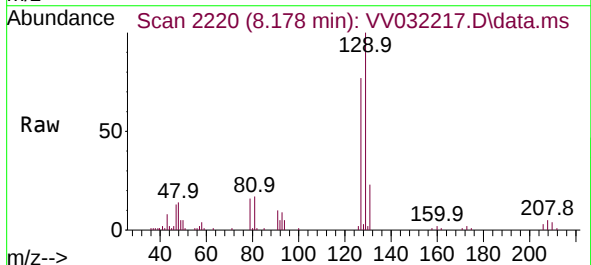
Ion	Ratio	Lower	Upper
43	100		
58	56.8	43.6	65.4
57	17.3	14.6	22.0
100	11.3	9.4	14.0

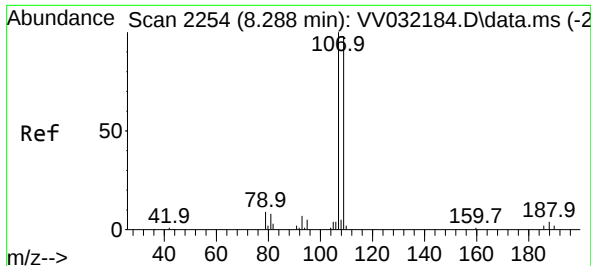


#49
Dibromochloromethane
Concen: 4.718 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion: 129 Resp: 35185

Ion	Ratio	Lower	Upper
129	100		
127	77.2	57.2	106.2





#50

1,2-Dibromoethane

Concen: 4.535 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV032217.D

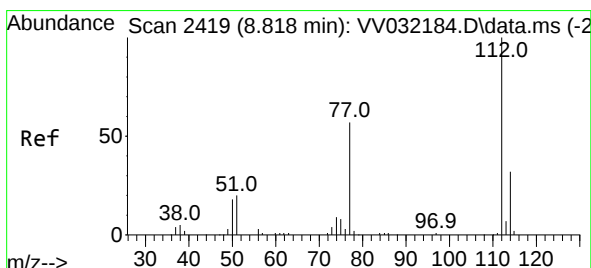
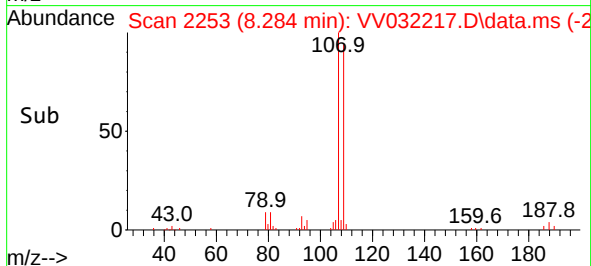
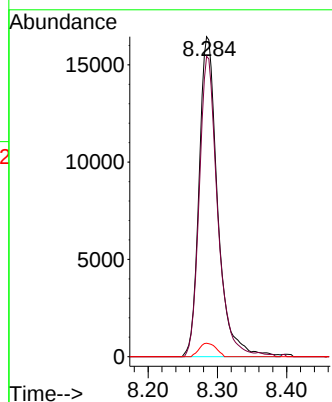
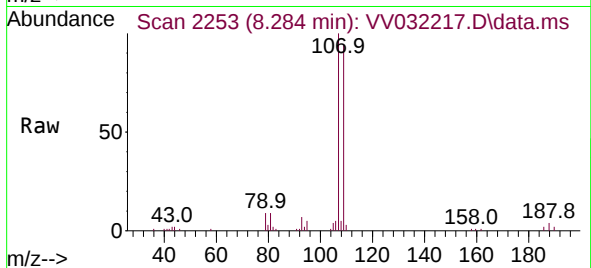
Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	30726
Ion	Ratio	Lower	Upper
107	100		
109	93.8	68.4	127.0
188	4.2	3.2	4.8



#51

Chlorobenzene

Concen: 4.555 ug/L

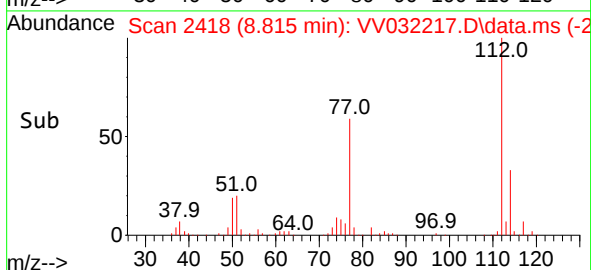
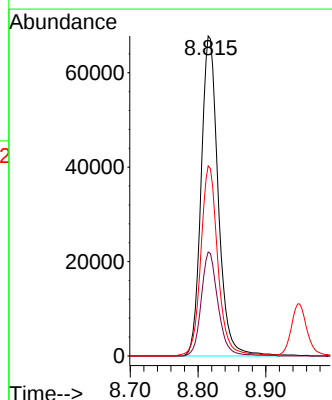
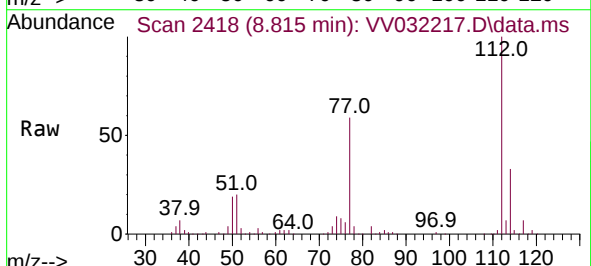
RT: 8.815 min Scan# 2418

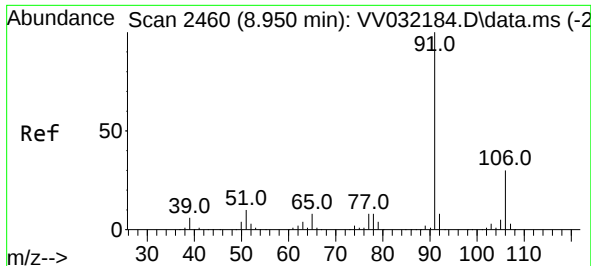
Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Tgt Ion:	112	Resp:	118688
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.1	41.1
77	59.4	46.1	69.1





#52

Ethylbenzene

Concen: 4.525 ug/L

RT: 8.947 min Scan# 2460

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

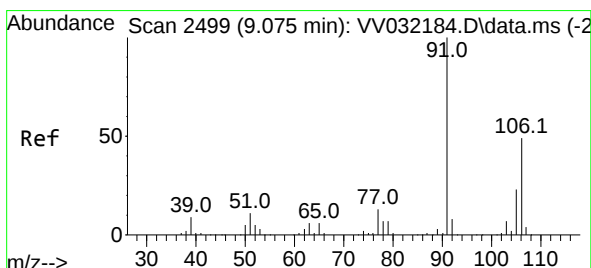
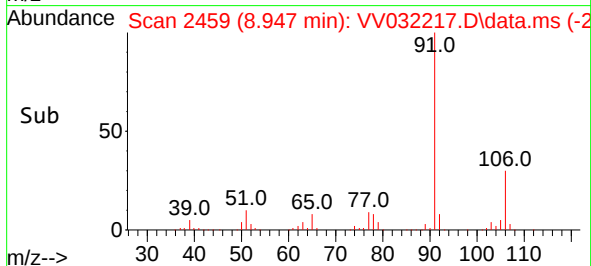
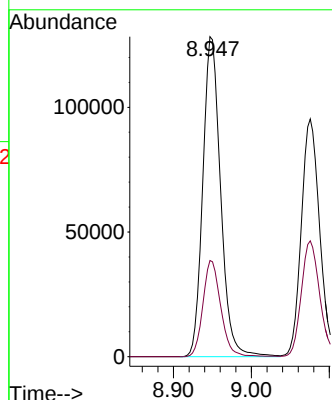
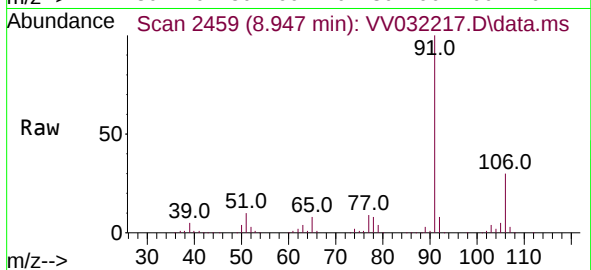
ClientSampleId :

Tgt Ion: 91 Resp: 203932

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



#53

m,p-Xylene

Concen: 4.600 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032217.D

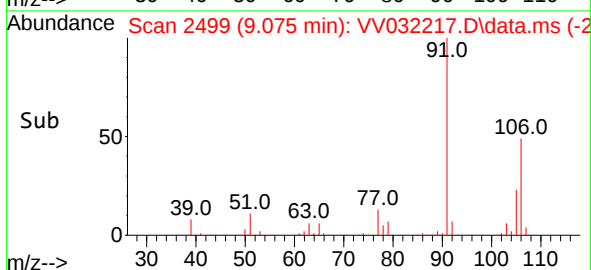
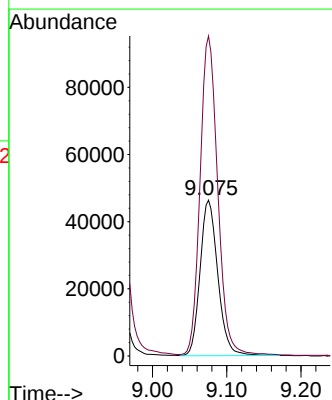
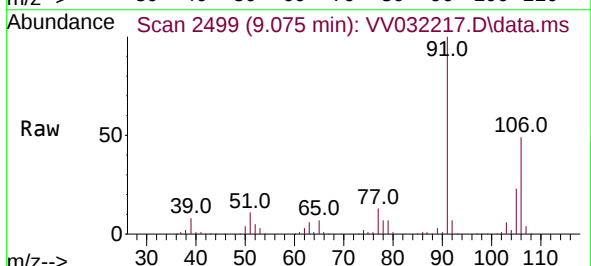
Acq: 04 Oct 2023 09:20

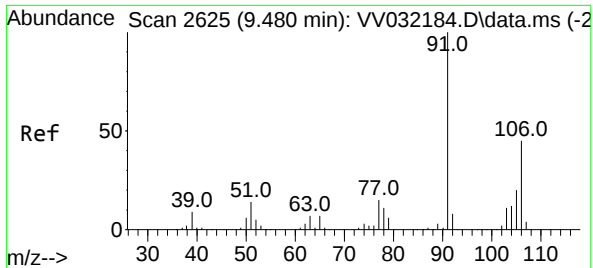
Tgt Ion:106 Resp: 76884

Ion Ratio Lower Upper

106 100

91 205.3 144.5 268.3

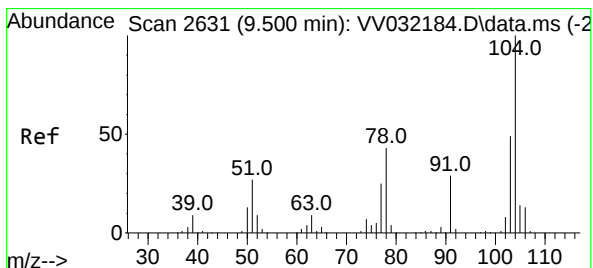
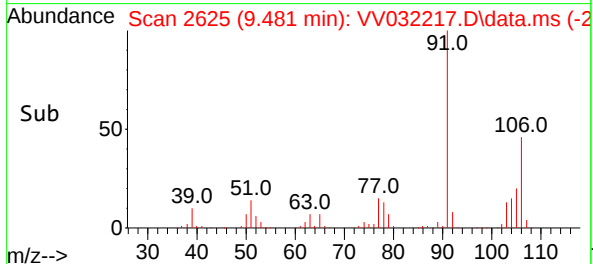
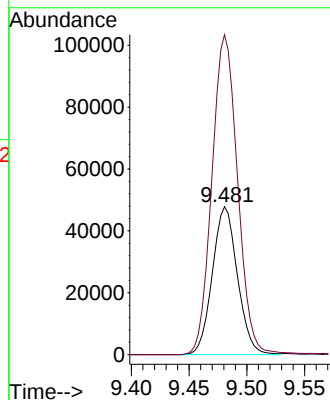
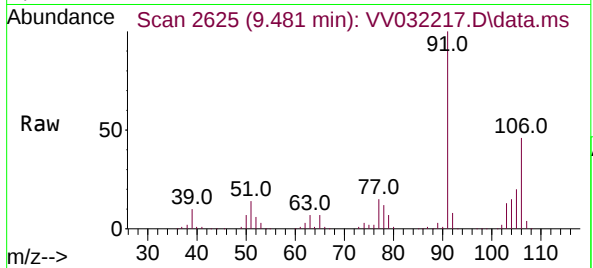




#54
o-Xylene
Concen: 4.483 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

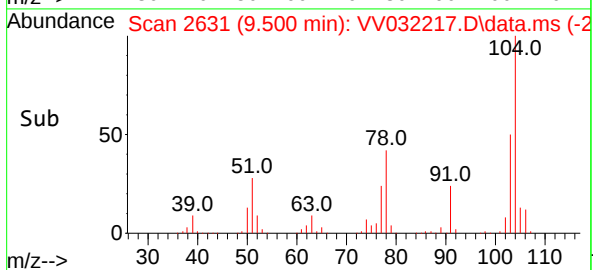
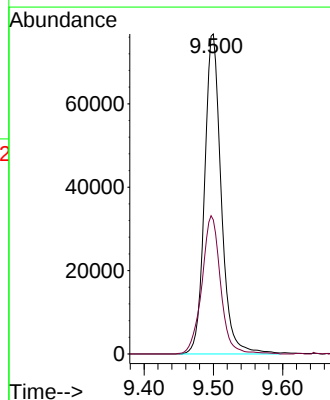
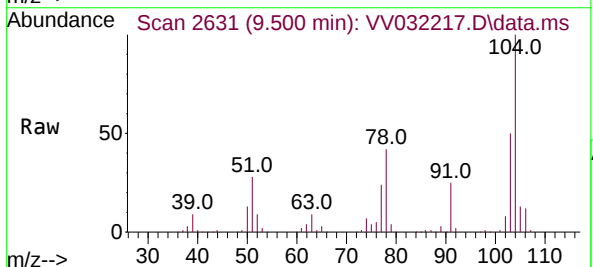
Instrument :
MSVOA_V
ClientSampleId :

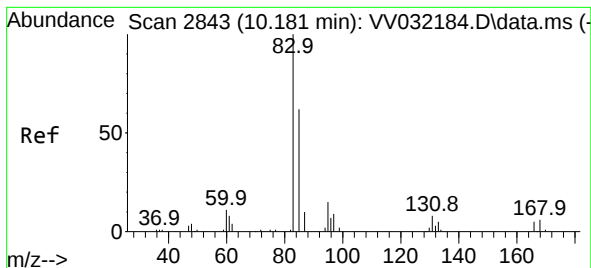
Tgt Ion:106 Resp: 72197
Ion Ratio Lower Upper
106 100
91 216.3 154.8 287.4



#55
Styrene
Concen: 4.704 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion:104 Resp: 127950
Ion Ratio Lower Upper
104 100
78 41.9 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.442 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

ClientSampleId :

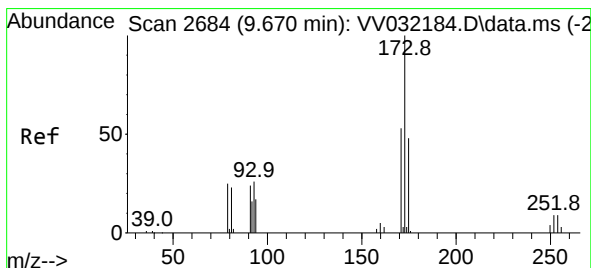
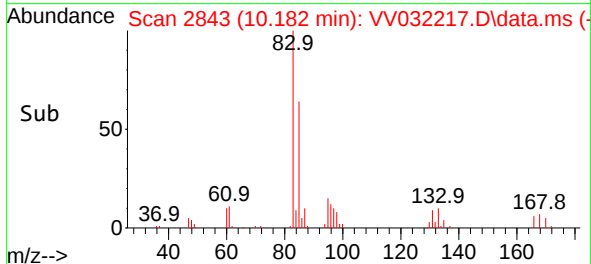
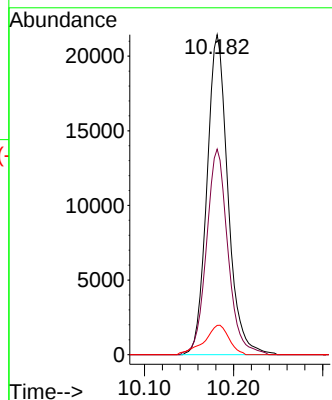
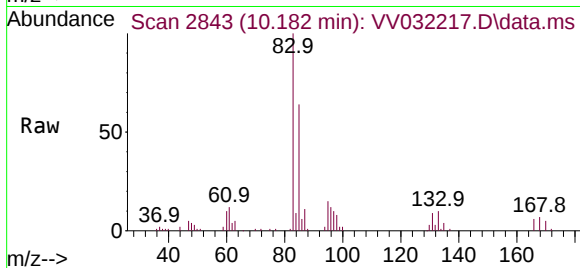
Tgt Ion: 83 Resp: 35010

Ion Ratio Lower Upper

83 100

85 64.2 43.6 81.0

131 9.2 7.0 10.6



#59

Bromoform

Concen: 4.651 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

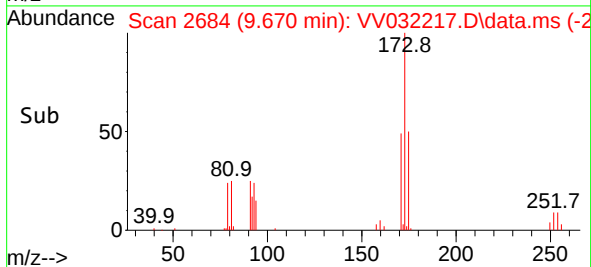
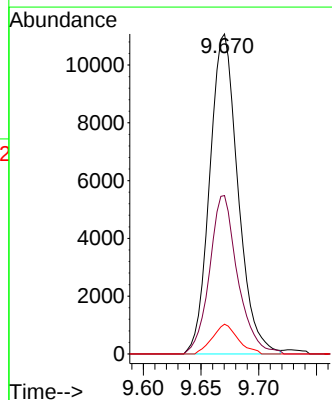
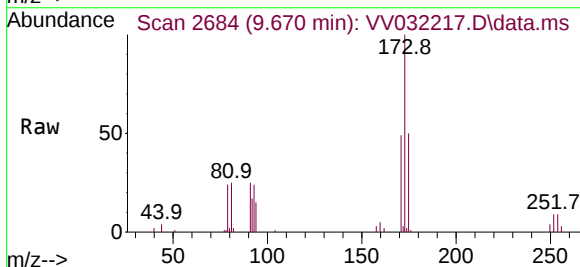
Tgt Ion: 173 Resp: 18857

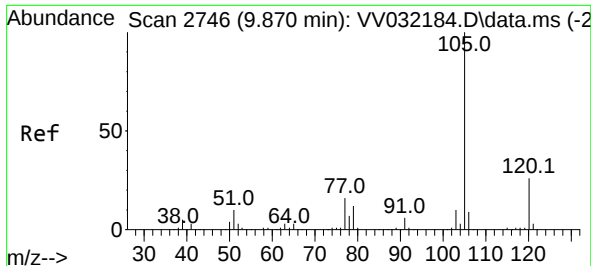
Ion Ratio Lower Upper

173 100

175 49.2 38.2 57.2

254 8.4 7.0 10.4

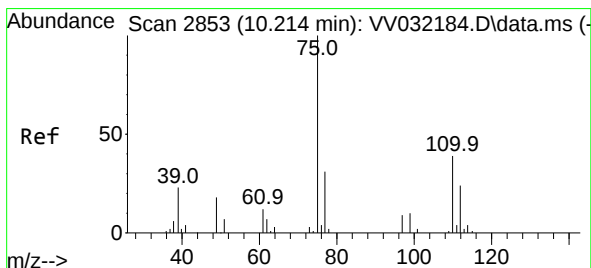
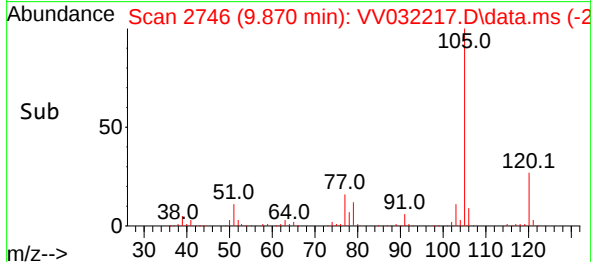
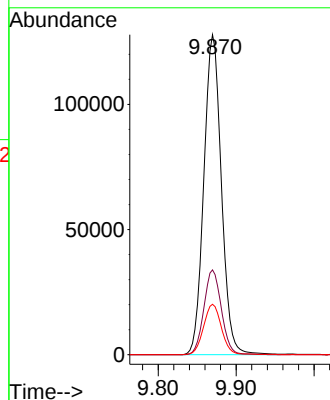
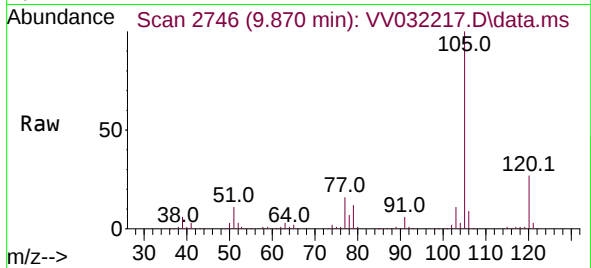




#60
Isopropylbenzene
Concen: 4.623 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

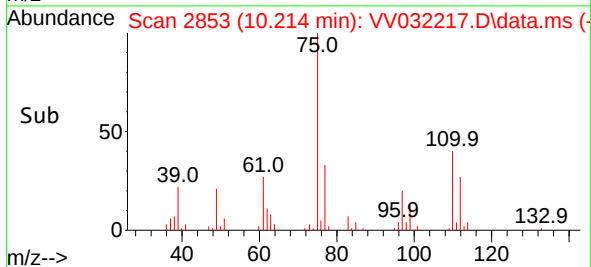
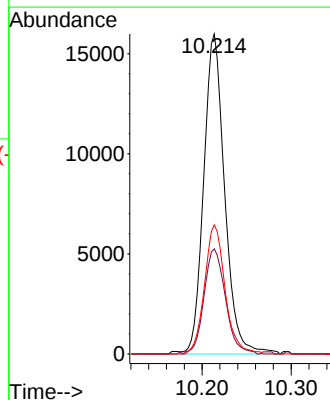
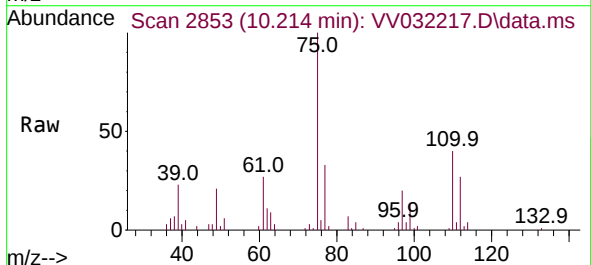
Instrument :
MSVOA_V
ClientSampleId :

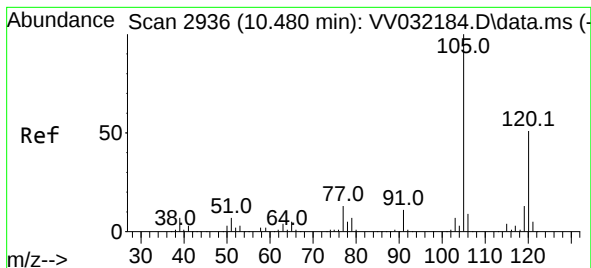
Tgt Ion:105 Resp: 200338
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 16.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.399 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion: 75 Resp: 26104
Ion Ratio Lower Upper
75 100
77 33.5 26.2 39.2
110 39.5 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.504 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

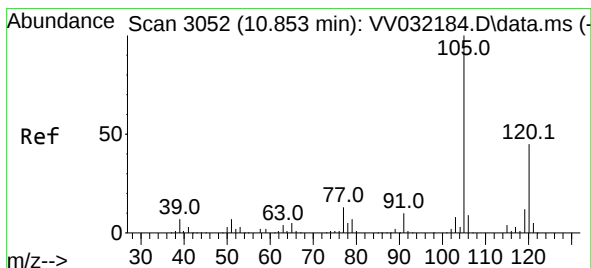
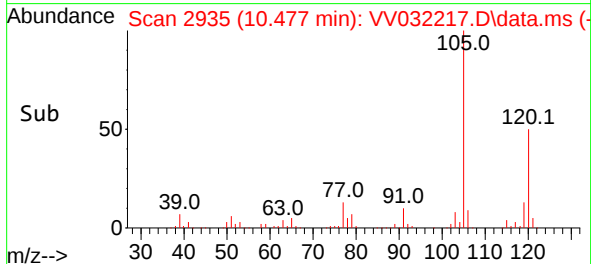
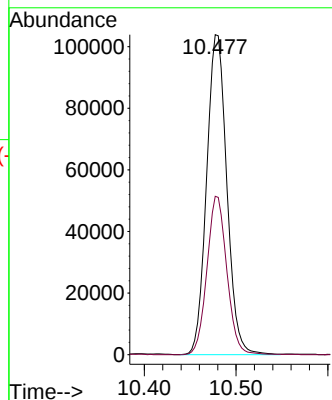
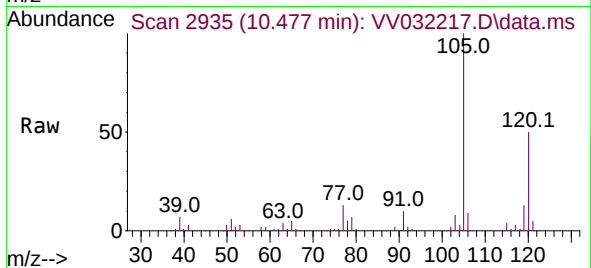
ClientSampleId :

Tgt Ion:105 Resp: 159080

Ion Ratio Lower Upper

105 100

120 48.8 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.576 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032217.D

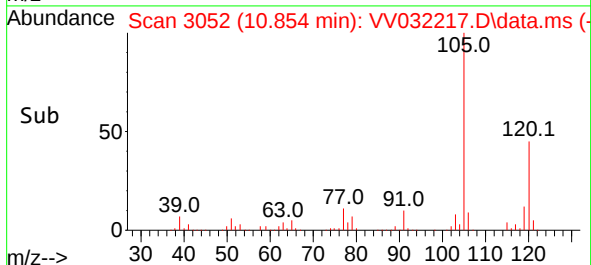
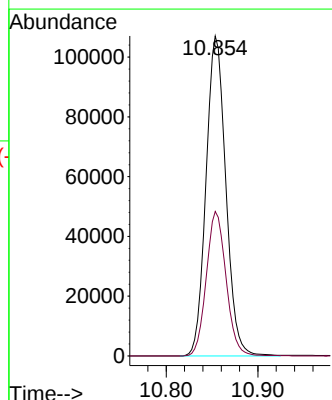
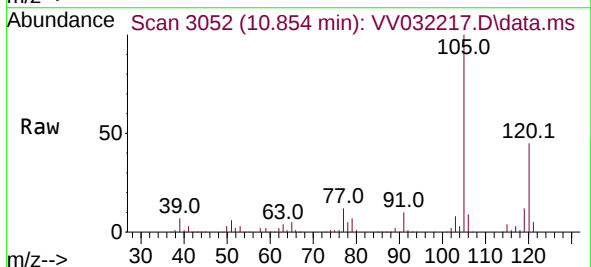
Acq: 04 Oct 2023 09:20

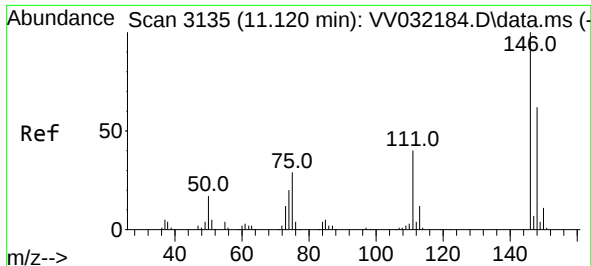
Tgt Ion:105 Resp: 160886

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4

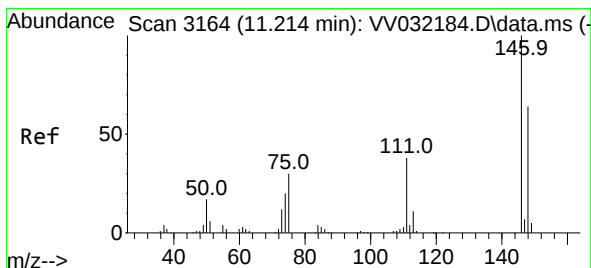
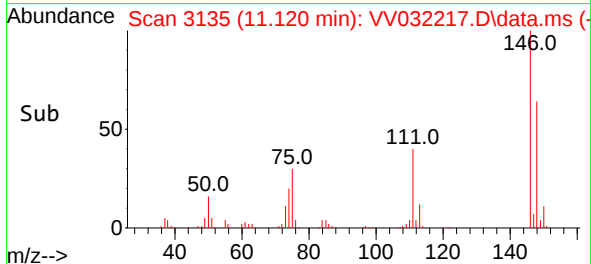
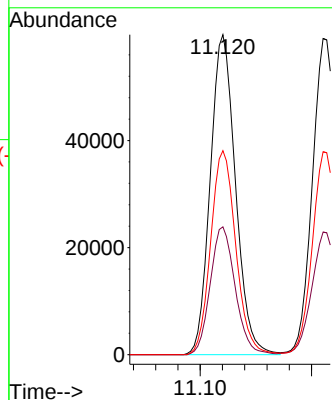
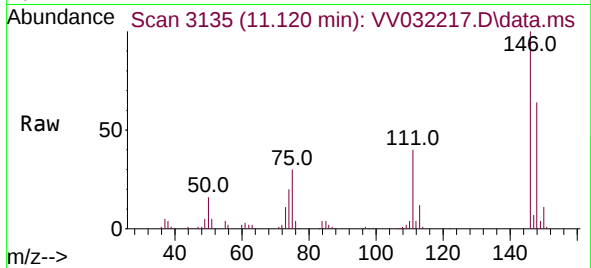




#64
1,3-Dichlorobenzene
Concen: 4.535 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

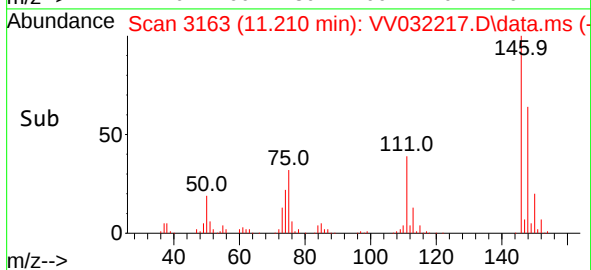
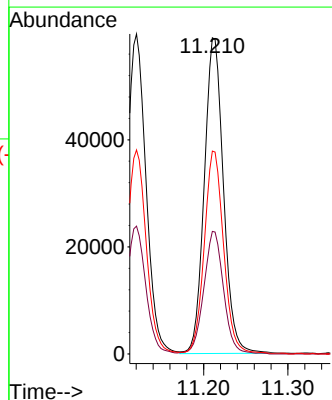
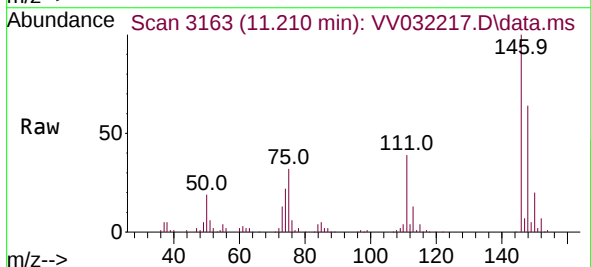
Instrument :
MSVOA_V
ClientSampleId :

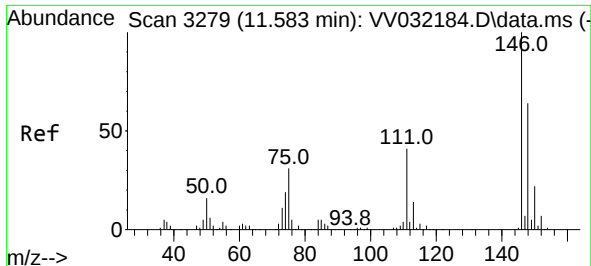
Tgt Ion:146 Resp: 93880
Ion Ratio Lower Upper
146 100
111 39.9 27.8 51.6
148 63.8 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.507 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion:146 Resp: 93608
Ion Ratio Lower Upper
146 100
111 38.8 26.9 49.9
148 64.2 44.8 83.2

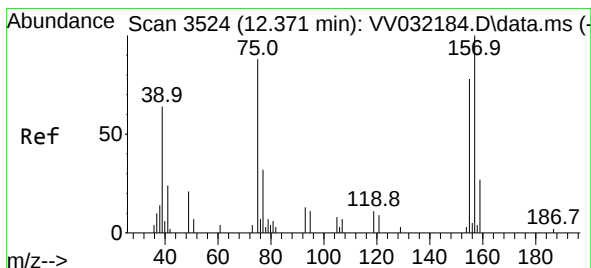
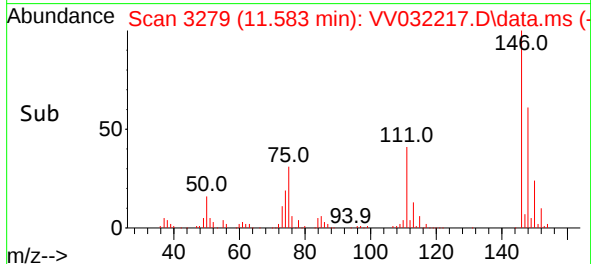
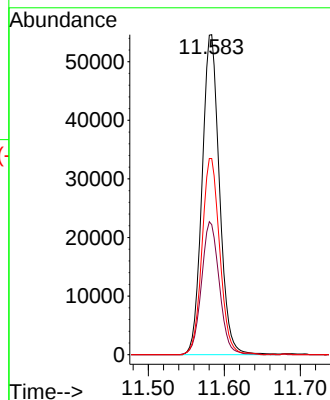
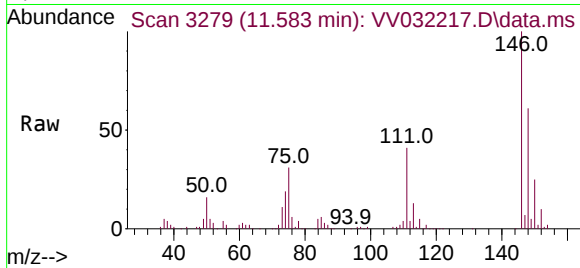




#67
1,2-Dichlorobenzene
Concen: 4.600 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

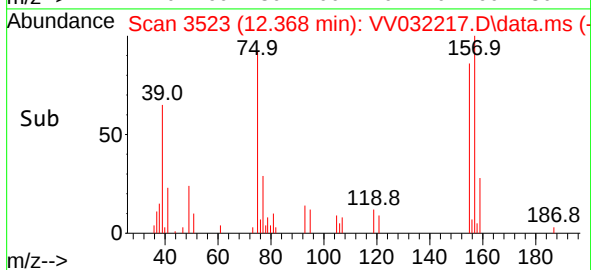
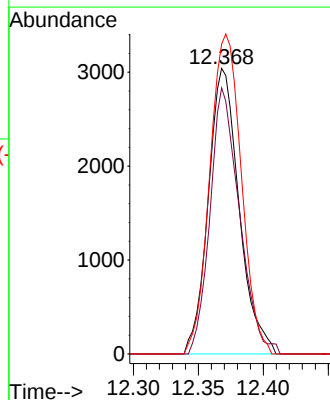
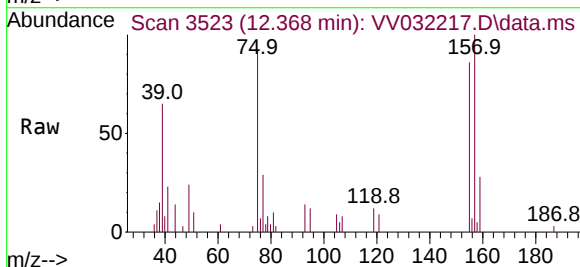
Instrument :
MSVOA_V
ClientSampleId :

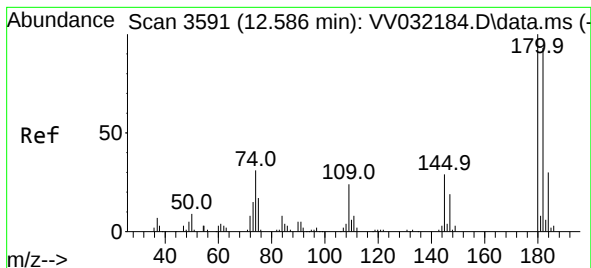
Tgt Ion:146 Resp: 86844
Ion Ratio Lower Upper
146 100
111 40.6 32.8 49.2
148 61.3 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.126 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. -0.003 min
Lab File: VV032217.D
Acq: 04 Oct 2023 09:20

Tgt Ion: 75 Resp: 5003
Ion Ratio Lower Upper
75 100
155 93.2 70.2 105.4
157 108.5 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 4.443 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

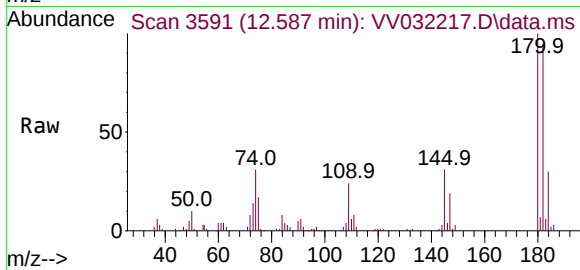
Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 67356

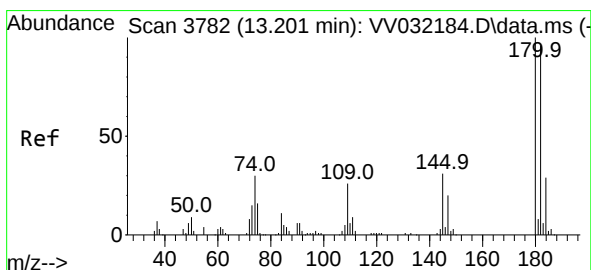
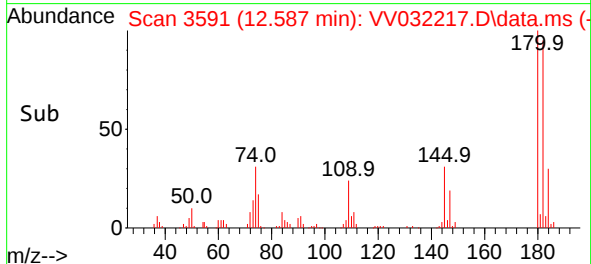
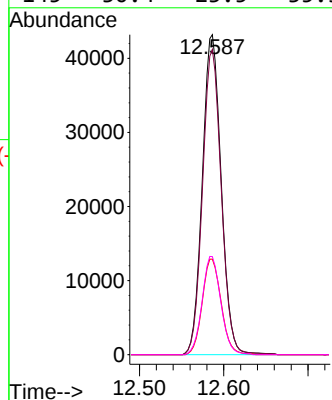
Ion Ratio Lower Upper

180 100

182 94.8 74.6 112.0

184 29.9 24.1 36.1

145 30.4 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 4.297 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

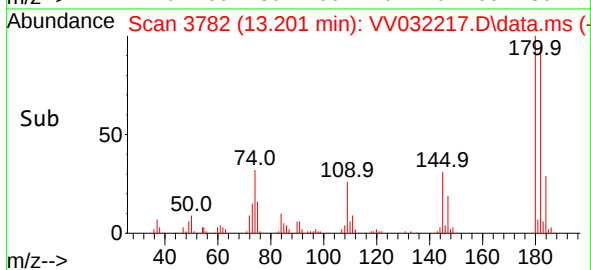
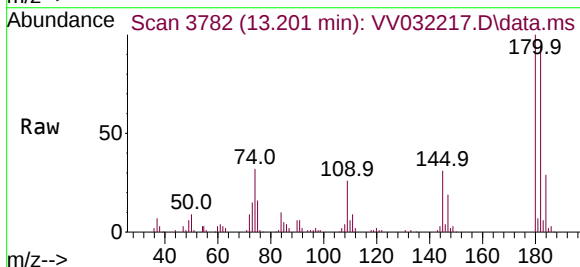
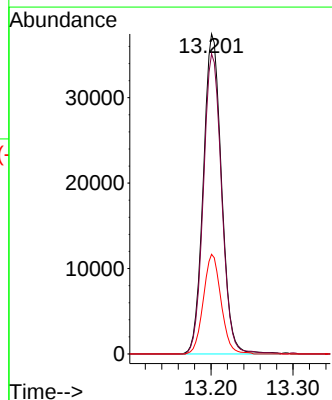
Tgt Ion:180 Resp: 57777

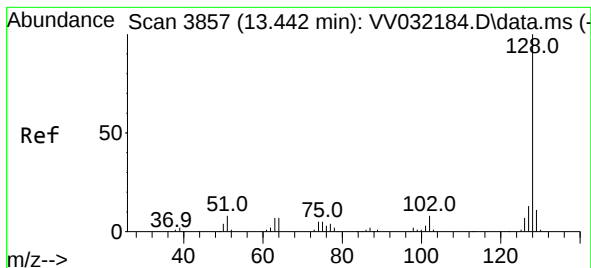
Ion Ratio Lower Upper

180 100

182 94.1 76.5 114.7

145 30.2 24.3 36.5





#71

Naphthalene

Concen: 3.742 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Instrument :

MSVOA_V

ClientSampleId :

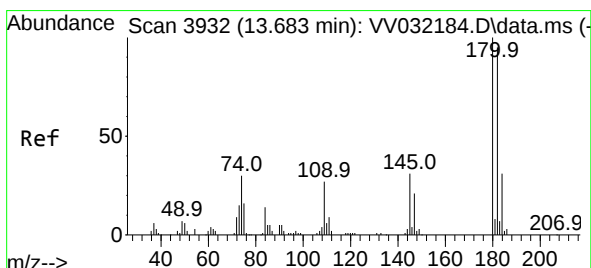
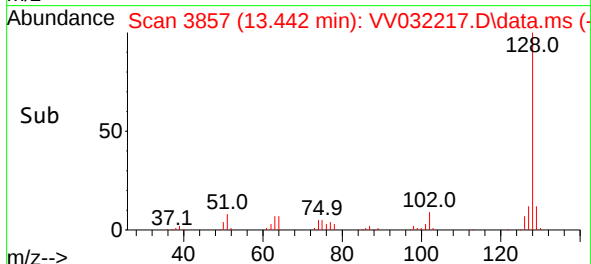
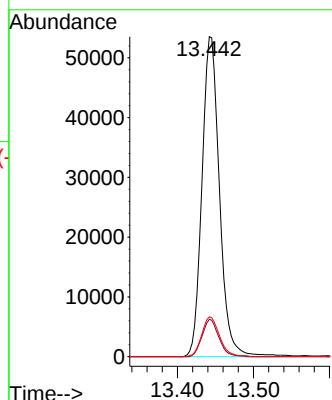
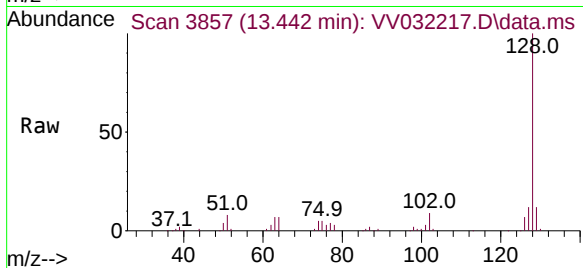
Tgt Ion:128 Resp: 85478

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 12.7 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.309 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032217.D

Acq: 04 Oct 2023 09:20

Tgt Ion:180 Resp: 49927

Ion Ratio Lower Upper

180 100

182 96.1 77.0 115.4

145 31.4 25.7 38.5

