

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102423\
 Data File : VW032617.D
 Acq On : 25 Oct 2023 02:36
 Operator : SY/MD
 Sample : 04995-04MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 08:37:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 08:15:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	93079	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	106834	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	55369	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	23671	3.127	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.532	69	27316	4.445	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.060	65	9634	3.018	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.400%
20) 2-Butanone-d5	3.799	46	103690	54.147	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.300%
24) Chloroform-d	4.371	84	10853	0.813	ug/L	0.12
Spiked Amount	5.000	Range	70 - 125	Recovery	=	16.200%#
26) 1,2-Dichloroethane-d4	4.947	65	31542	4.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	4.963	84	101378	3.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.400%#
36) 1,2-Dichloropropane-d6	5.992	67	34292	3.292	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	65.800%
41) Toluene-d8	7.246	98	97524	3.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.800%#
43) trans-1,3-Dichloroprop...	7.558	79	13884	3.762	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.027	63	90340	52.024	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.040%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	37444	5.140	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	41551	4.044	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	49570	4.779	ug/L	98
3) Chloromethane	1.217	50	49330	4.718	ug/L	100
5) Vinyl chloride	1.282	62	48191	4.832	ug/L	100
6) Bromomethane	1.487	94	29373	4.876	ug/L	96
8) Chloroethane	1.548	64	34711	5.781	ug/L	97
9) Trichlorofluoromethane	1.712	101	67374	5.633	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	37047	5.112	ug/L	98
12) 1,1-Dichloroethene	2.069	96	33163	4.858	ug/L	88
13) Acetone	2.130	43	63553	43.059	ug/L	95
14) Carbon disulfide	2.243	76	96897	4.060	ug/L	99
15) Methyl Acetate	2.384	43	13051	3.928	ug/L	98
16) Methylene chloride	2.449	84	40234	4.521	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	84814	4.564	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	33671	4.306	ug/L	98
19) 1,1-Dichloroethane	3.114	63	67713	4.604	ug/L	98
21) 2-Butanone	3.880	43	92503	40.078	ug/L	94
22) cis-1,2-Dichloroethene	3.815	96	39210	4.657	ug/L	95
23) Bromochloromethane	4.150	128	17966	5.072	ug/L	89
25) Chloroform	4.278	83	72650	5.034	ug/L	98

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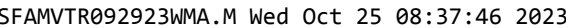
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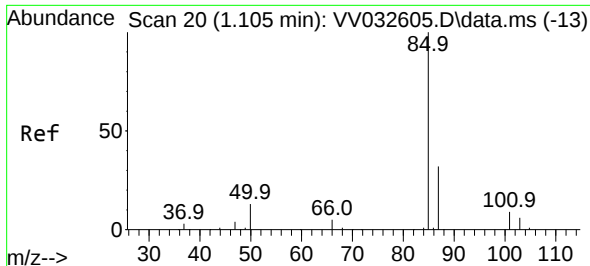
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	45941	5.388	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	61691	4.247	ug/L	98
30) Cyclohexane	4.587	56	50928	3.191	ug/L	96
31) Carbon tetrachloride	4.738	117	50523	4.111	ug/L	100
33) Benzene	5.011	78	150346	3.997	ug/L	100
34) Trichloroethene	5.838	95	38253	3.725	ug/L	97
35) Methylcyclohexane	6.053	83	57784	3.636	ug/L	97
37) 1,2-Dichloropropane	6.095	63	41512	4.127	ug/L #	97
38) Bromodichloromethane	6.436	83	50706	4.242	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	59958	4.188	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	260263	40.885	ug/L	98
42) Toluene	7.317	91	182203	4.544	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	48259	4.102	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	31756	4.475	ug/L	97
47) Tetrachloroethene	7.908	164	33101	4.251	ug/L	98
48) 2-Hexanone	8.079	43	188105	41.882	ug/L	98
49) Dibromochloromethane	8.178	129	35224	4.768	ug/L	94
50) 1,2-Dibromoethane	8.284	107	29559	4.404	ug/L	98
51) Chlorobenzene	8.818	112	114474	4.434	ug/L	98
52) Ethylbenzene	8.950	91	191961	4.299	ug/L	99
53) m,p-Xylene	9.075	106	72745	4.393	ug/L	98
54) o-Xylene	9.481	106	69338	4.345	ug/L	99
55) Styrene	9.500	104	122097	4.531	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.182	83	39140	5.013	ug/L	100
59) Bromoform	9.667	173	18981	4.714	ug/L	99
60) Isopropylbenzene	9.870	105	190925	4.437	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	26677	4.527	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	146636	4.181	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	149264	4.275	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	92572	4.503	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	94760	4.595	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	86142	4.595	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	5313	4.412	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	65243	4.334	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	53378	3.997	ug/L	99
71) Naphthalene	13.442	128	91449	4.031	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	50410	4.381	ug/L	97

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

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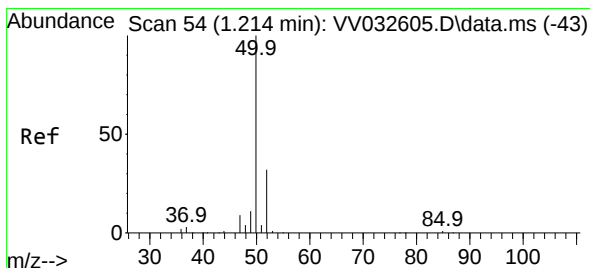
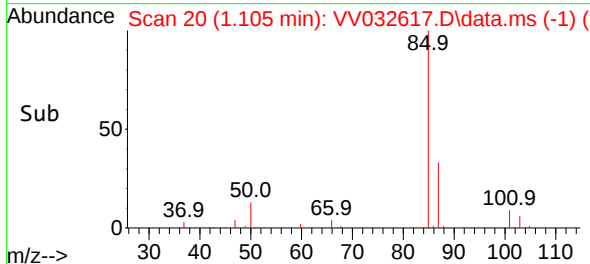
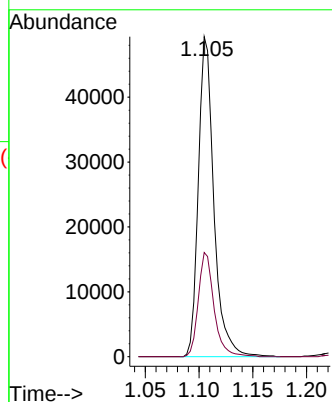
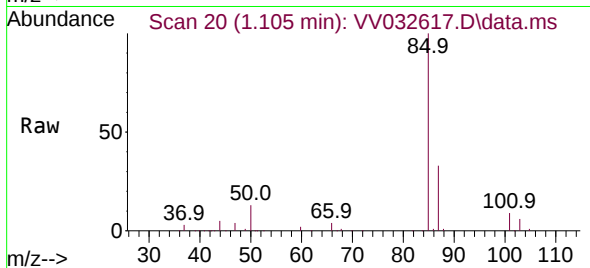




#2
 Dichlorodifluoromethane
 Concen: 4.779 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

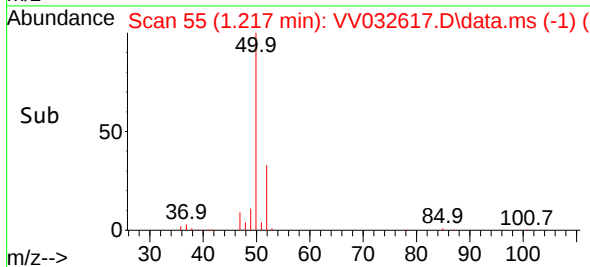
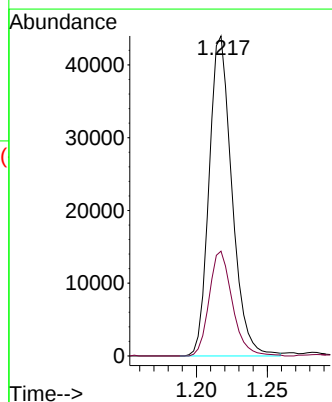
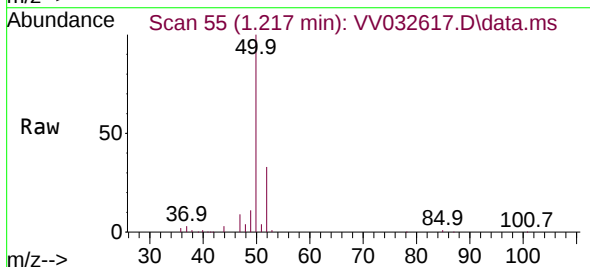
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 ClientSampleId :

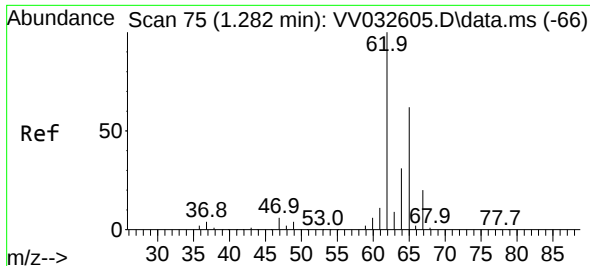
Tgt Ion: 85 Resp: 49570
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.5 38.3



#3
 Chloromethane
 Concen: 4.718 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

Tgt Ion: 50 Resp: 49330
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.0 42.6



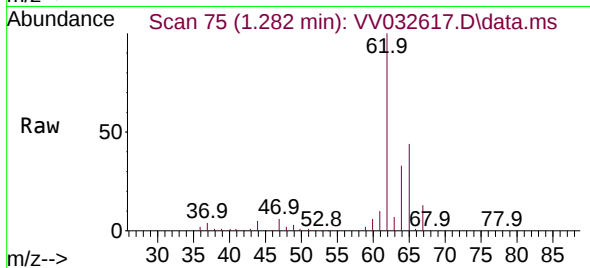


#5
 Vinyl chloride
 Concen: 4.832 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

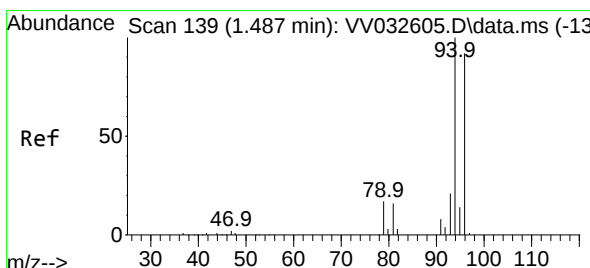
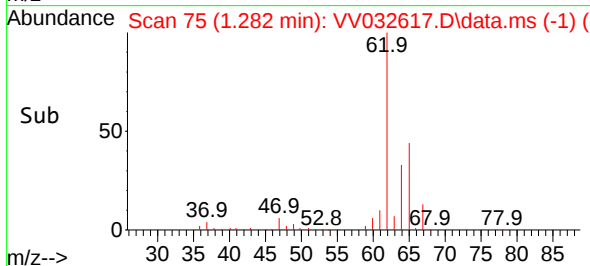
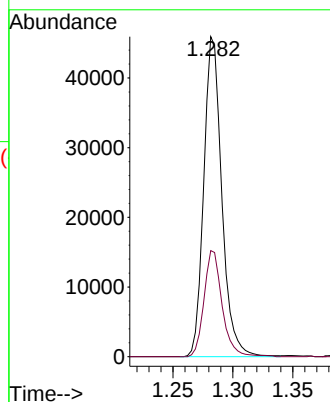
Instrument :

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ClientSampleId :

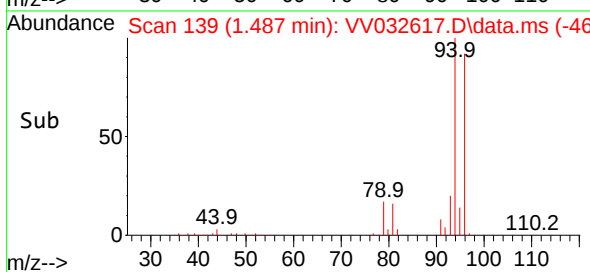
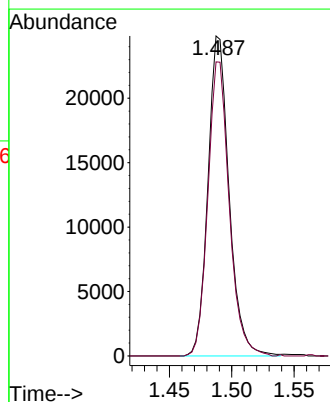
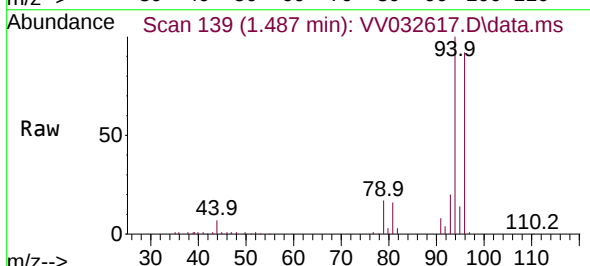


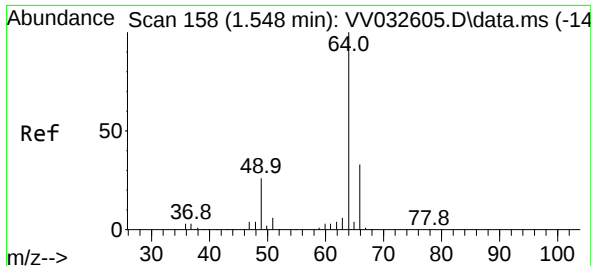
Tgt Ion: 62 Resp: 48191
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#6
 Bromomethane
 Concen: 4.876 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

Tgt Ion: 94 Resp: 29373
 Ion Ratio Lower Upper
 94 100
 96 91.9 66.8 124.2

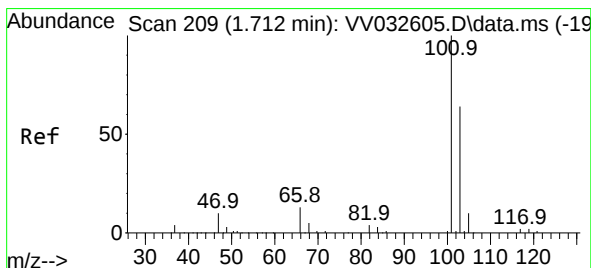
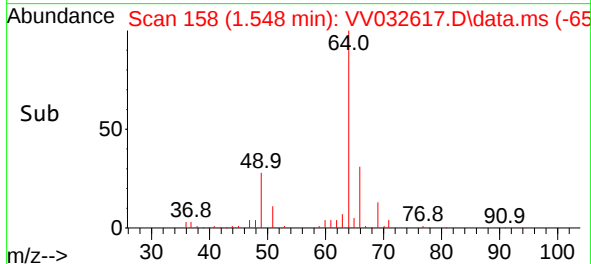
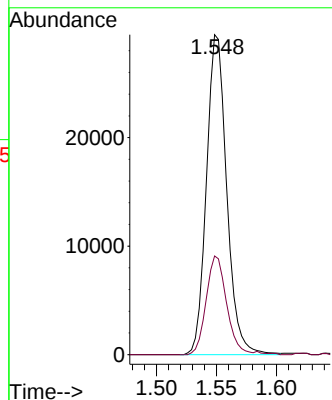
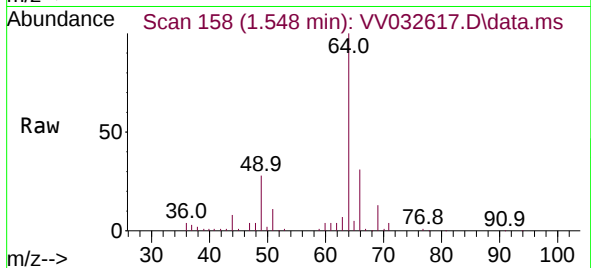




#8
Chloroethane
Concen: 5.781 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

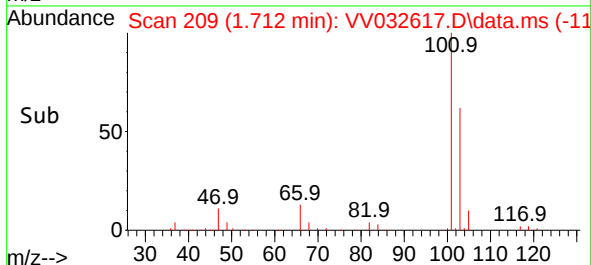
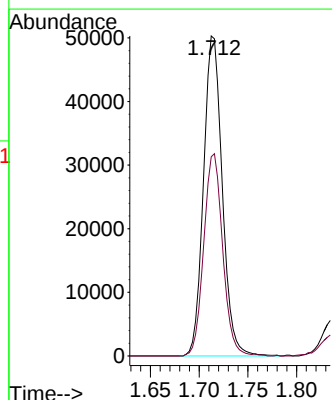
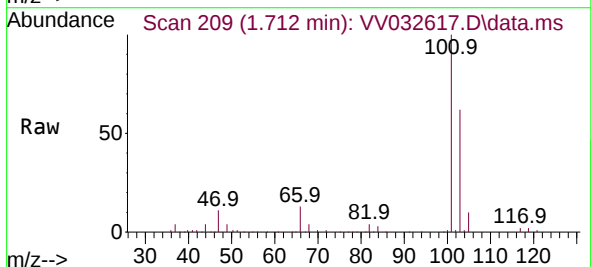
Instrument :
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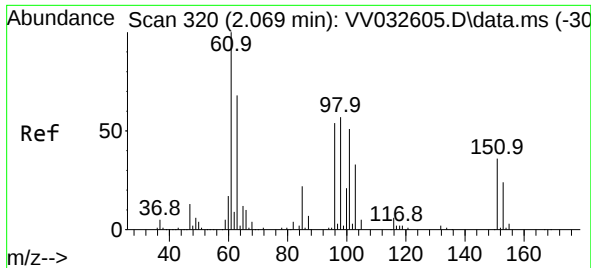
Tgt Ion: 64 Resp: 34711
Ion Ratio Lower Upper
64 100
66 30.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.633 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion:101 Resp: 67374
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.2

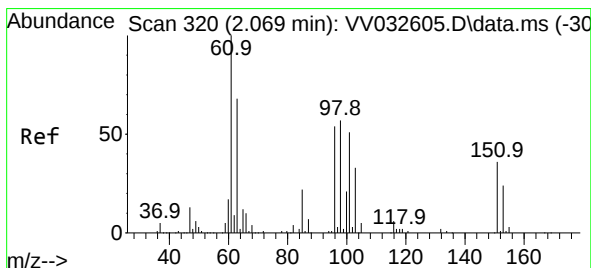
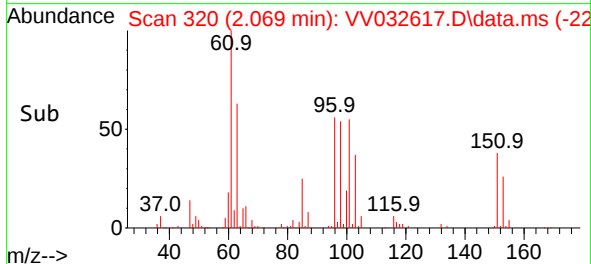
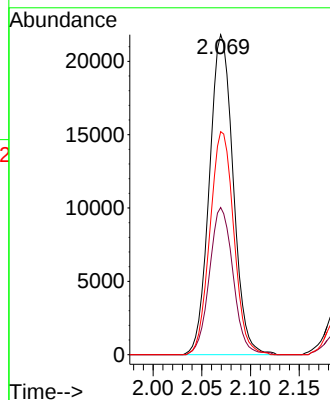
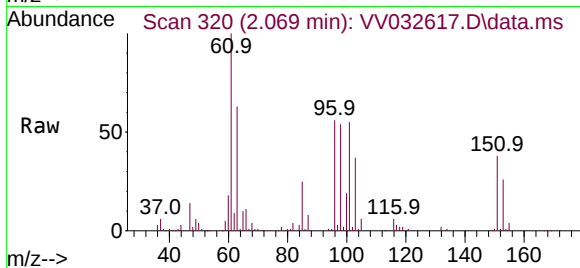




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.112 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

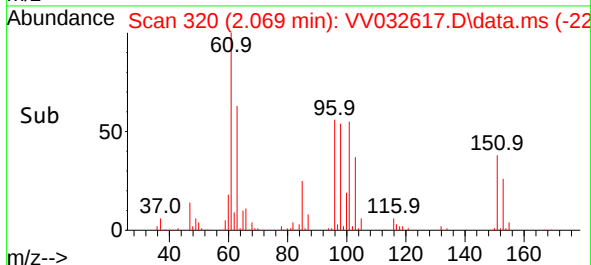
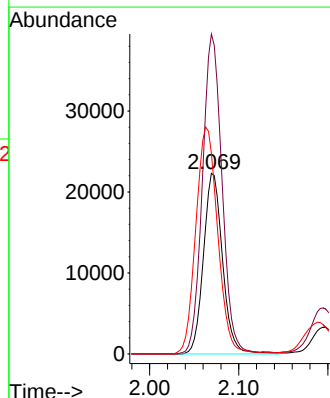
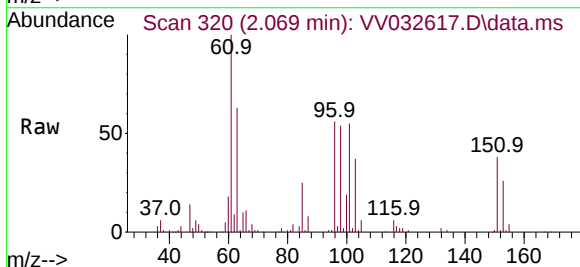
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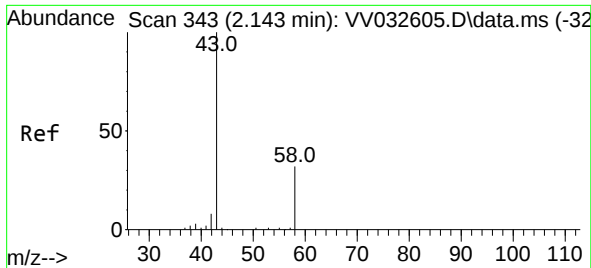
Tgt Ion:101 Resp: 37047
 Ion Ratio Lower Upper
 101 100
 85 45.7 35.0 52.6
 151 70.0 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 4.858 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

Tgt Ion: 96 Resp: 33163
 Ion Ratio Lower Upper
 96 100
 61 177.2 127.3 236.3
 63 111.2 98.3 182.7





#13

Acetone

Concen: 43.059 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

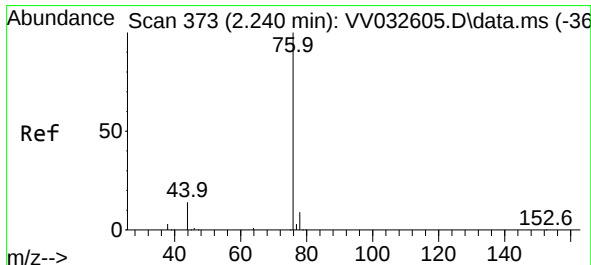
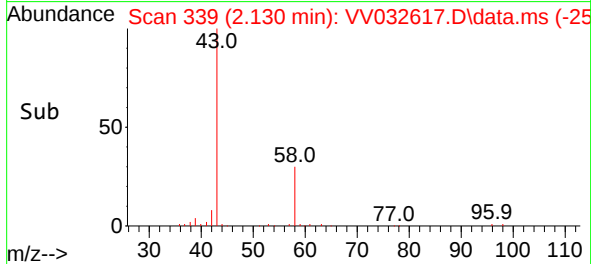
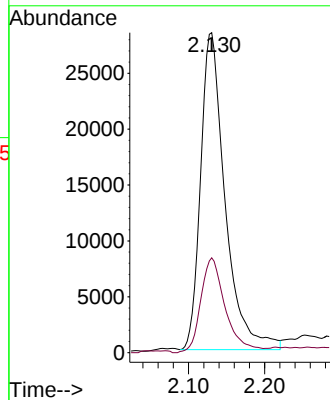
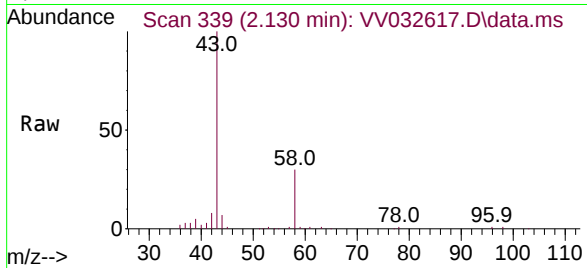
ClientSampleId :

Tgt Ion: 43 Resp: 63553

Ion Ratio Lower Upper

43 100

58 30.0 0.0 66.0



#14

Carbon disulfide

Concen: 4.060 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032617.D

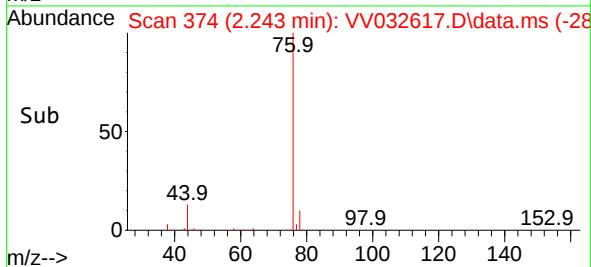
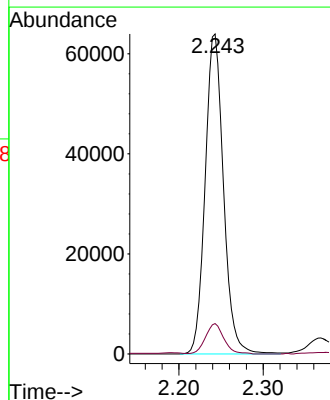
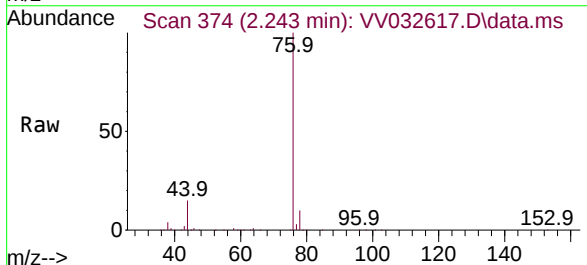
Acq: 25 Oct 2023 02:36

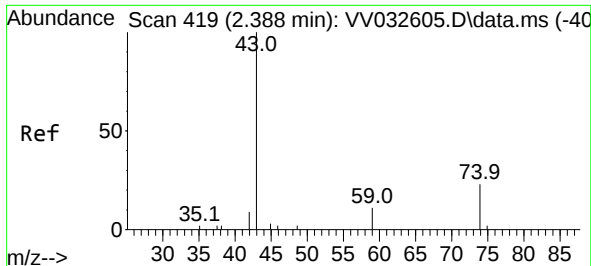
Tgt Ion: 76 Resp: 96897

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

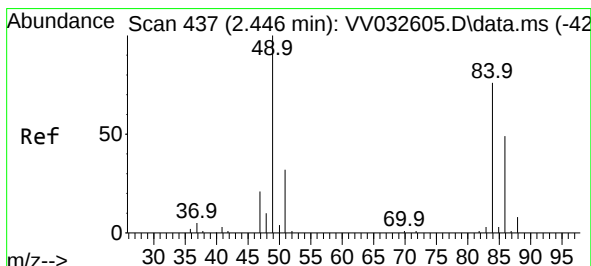
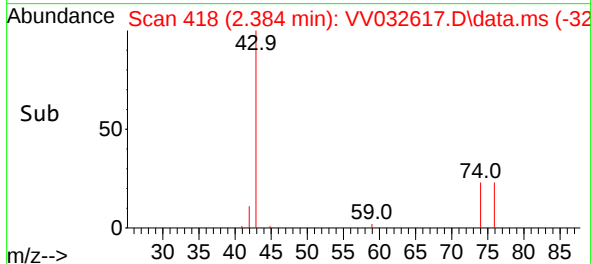
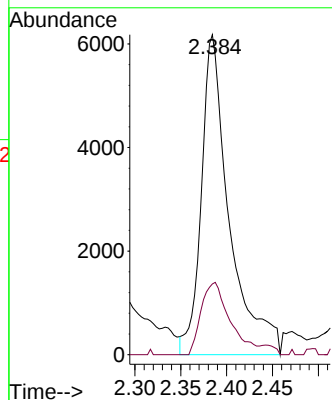
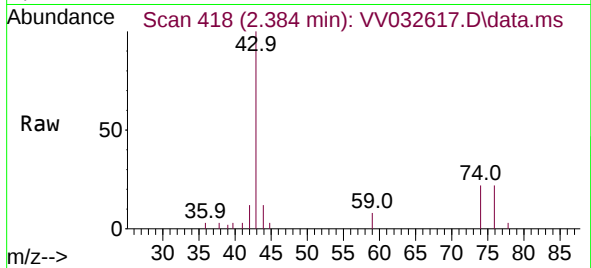




#15
Methyl Acetate
Concen: 3.928 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

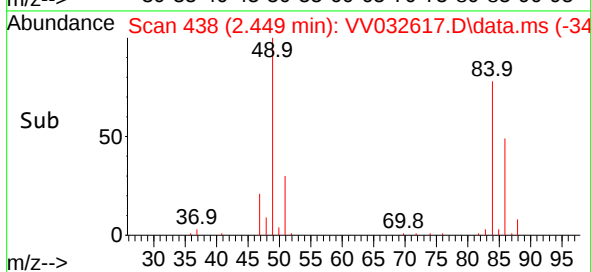
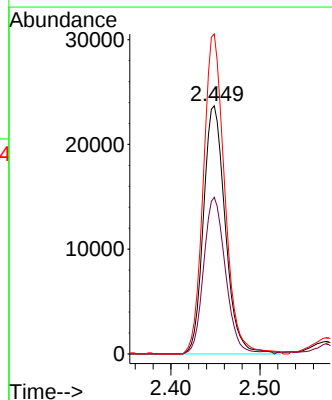
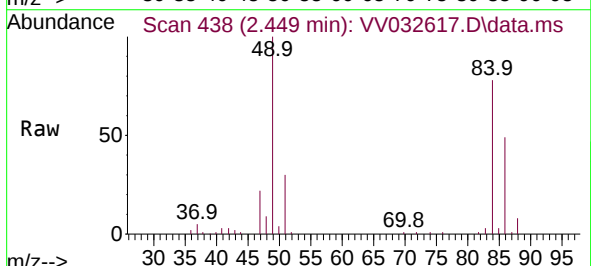
Instrument :
MSVOA_V
ClientSampleId :

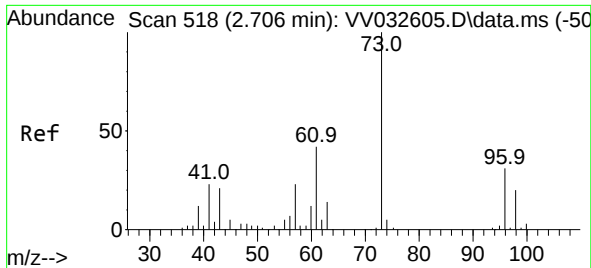
Tgt Ion: 43 Resp: 13051
Ion Ratio Lower Upper
43 100
74 23.5 18.0 27.0



#16
Methylene chloride
Concen: 4.521 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion: 84 Resp: 40234
Ion Ratio Lower Upper
84 100
86 63.1 43.2 80.2
49 128.9 86.3 160.3

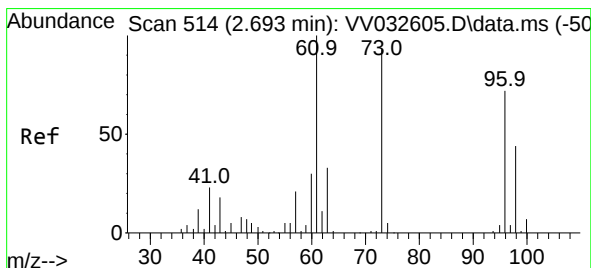
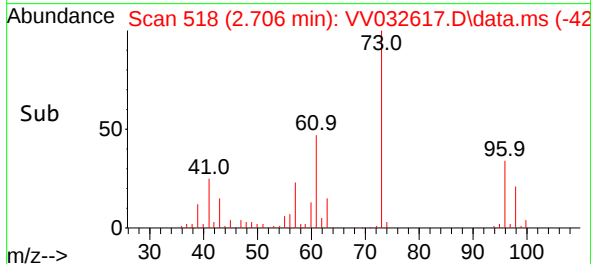
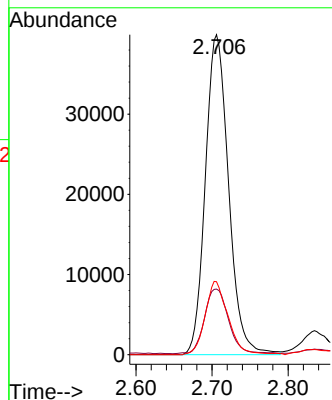
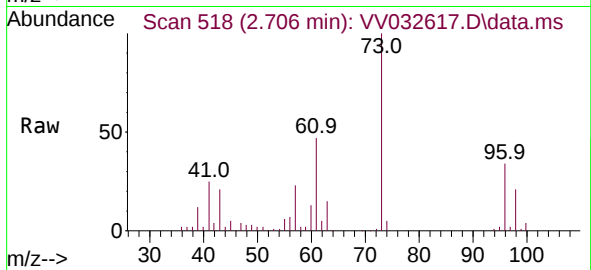




#17
Methyl tert-butyl Ether
Concen: 4.564 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

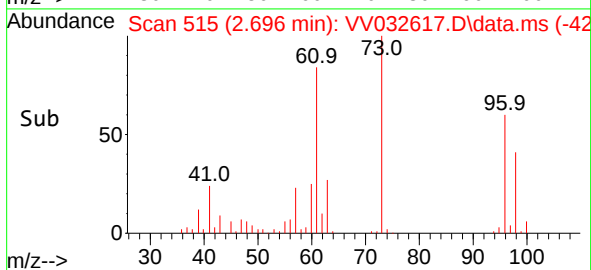
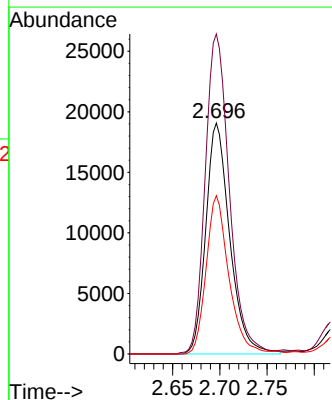
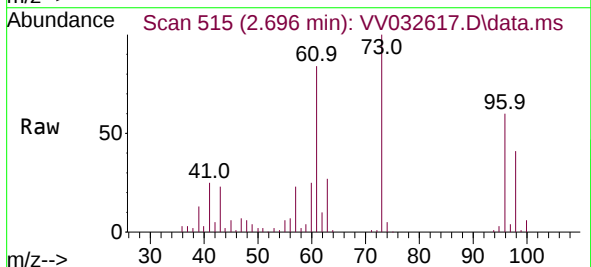
Instrument :
MSVOA_V
ClientSampleId :

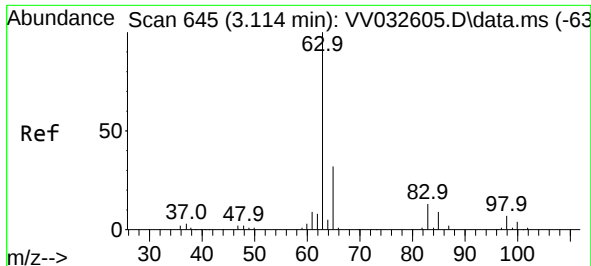
Tgt Ion: 73 Resp: 84814
Ion Ratio Lower Upper
73 100
43 20.9 15.1 22.7
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.306 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion: 96 Resp: 33671
Ion Ratio Lower Upper
96 100
61 138.6 96.9 180.1
98 68.5 45.3 84.1





#19

1,1-Dichloroethane

Concen: 4.604 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

ClientSampleId :

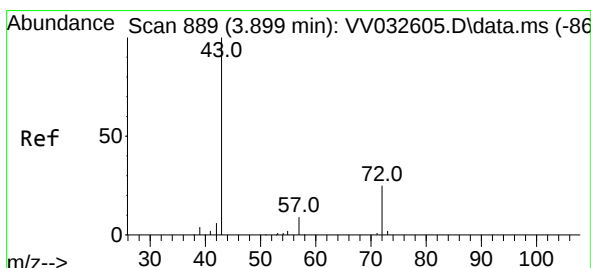
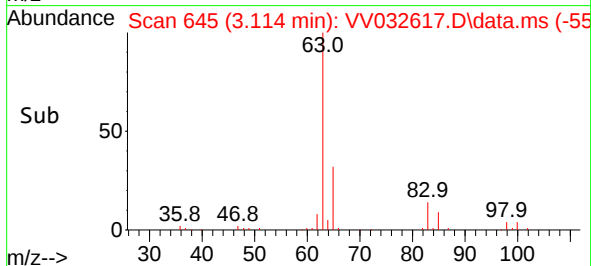
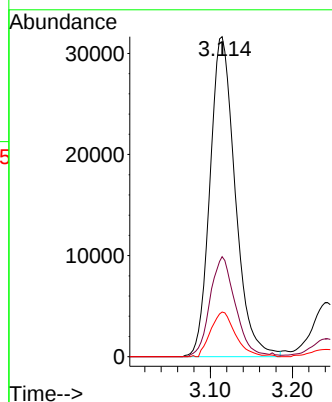
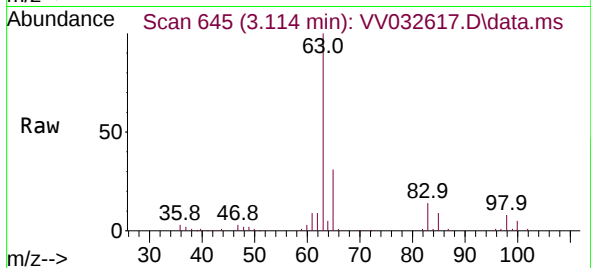
Tgt Ion: 63 Resp: 67713

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 14.0 9.0 16.6



#21

2-Butanone

Concen: 40.078 ug/L

RT: 3.880 min Scan# 883

Delta R.T. -0.019 min

Lab File: VV032617.D

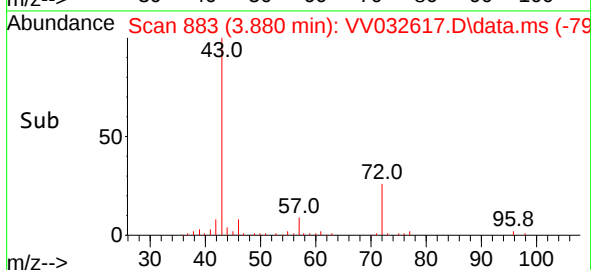
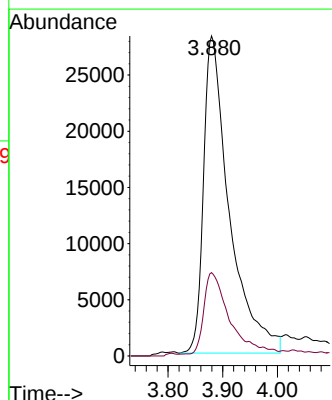
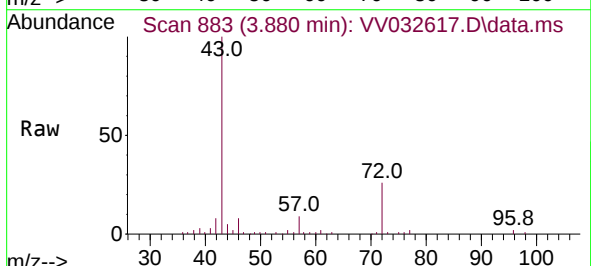
Acq: 25 Oct 2023 02:36

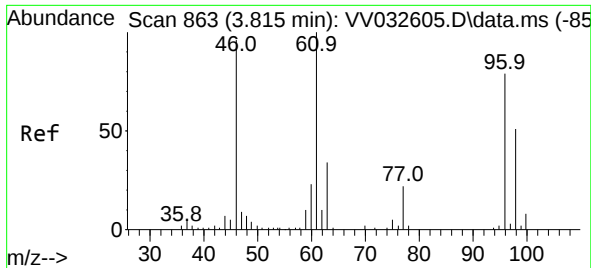
Tgt Ion: 43 Resp: 92503

Ion Ratio Lower Upper

43 100

72 26.1 11.6 34.8

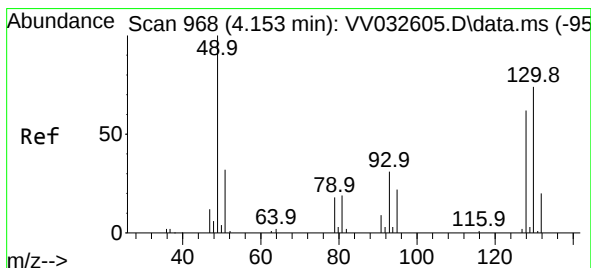
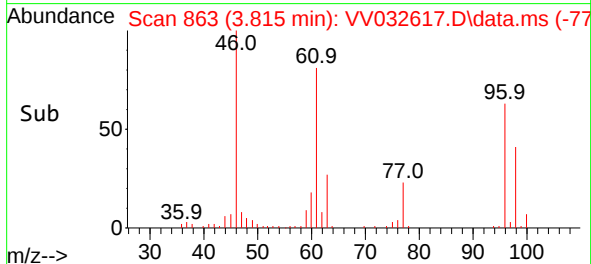
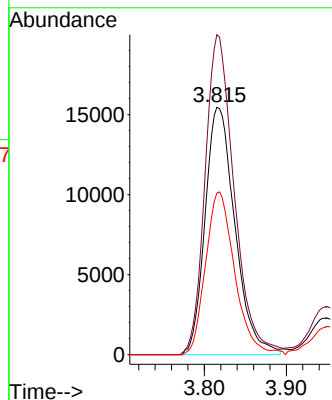
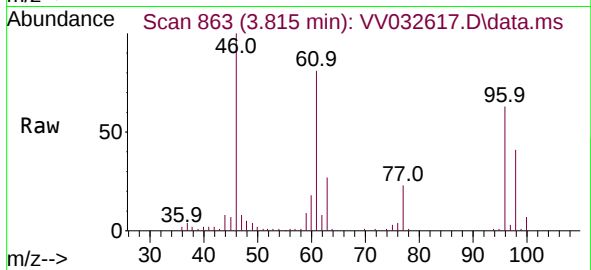




#22
 cis-1,2-Dichloroethene
 Concen: 4.657 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

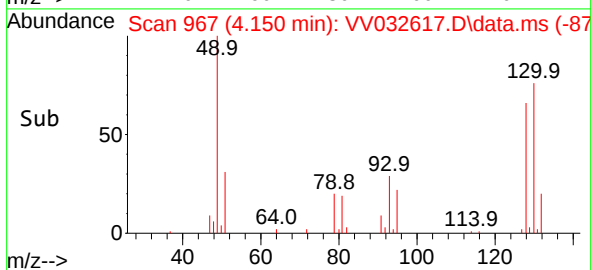
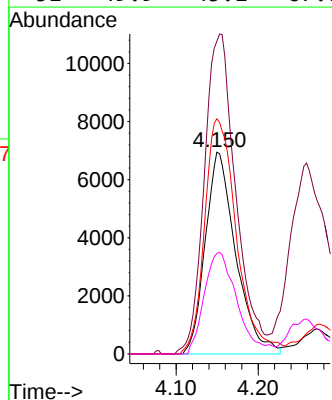
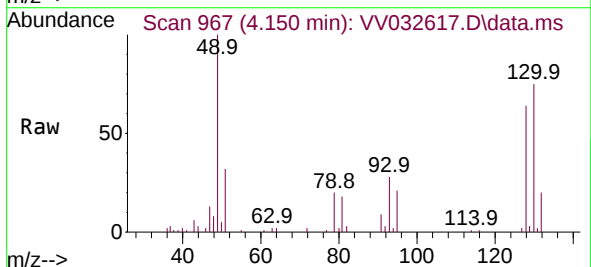
Instrument :
 MSVOA_V
 ClientSampleId :

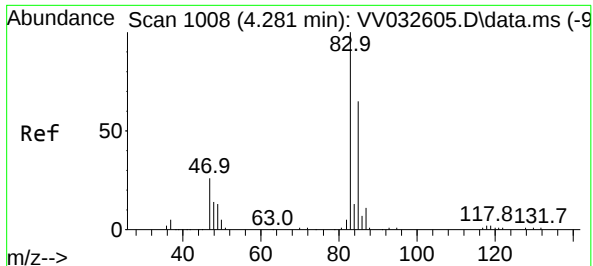
Tgt Ion: 96 Resp: 39210
 Ion Ratio Lower Upper
 96 100
 61 129.3 85.8 159.4
 98 65.3 44.0 81.6



#23
 Bromochloromethane
 Concen: 5.072 ug/L
 RT: 4.150 min Scan# 967
 Delta R.T. -0.003 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

Tgt Ion: 128 Resp: 17966
 Ion Ratio Lower Upper
 128 100
 49 155.0 121.2 225.0
 130 116.6 88.2 163.8
 51 49.9 45.1 67.7





#25

Chloroform

Concen: 5.034 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

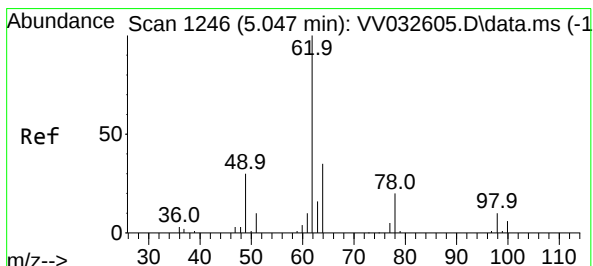
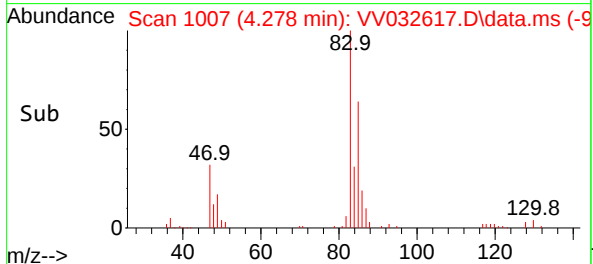
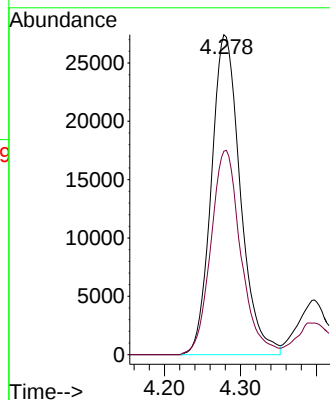
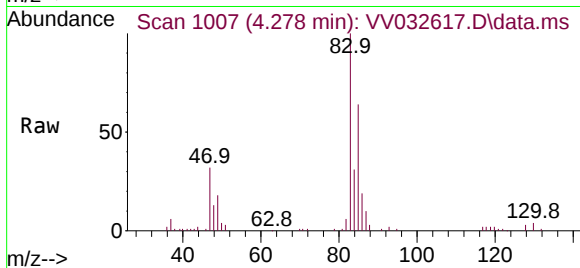
ClientSampleId :

Tgt Ion: 83 Resp: 72650

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.388 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV032617.D

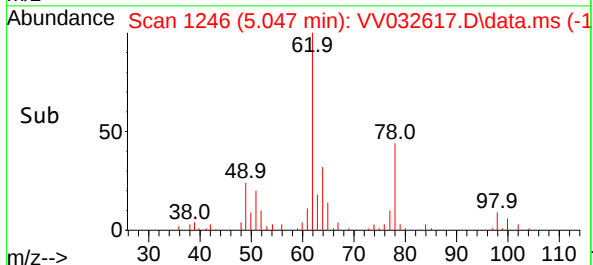
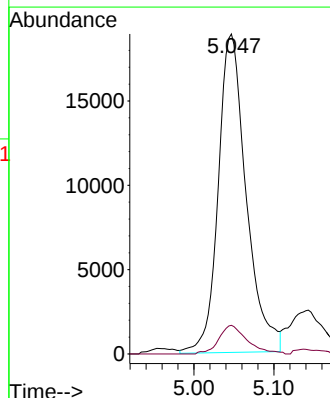
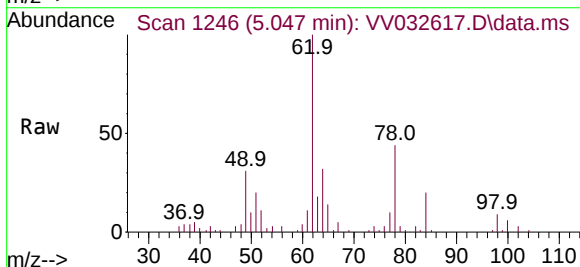
Acq: 25 Oct 2023 02:36

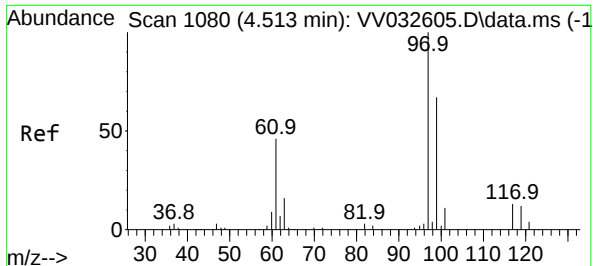
Tgt Ion: 62 Resp: 45941

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.247 ug/L

RT: 4.513 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

ClientSampleId :

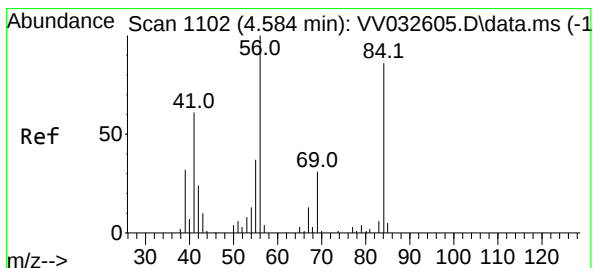
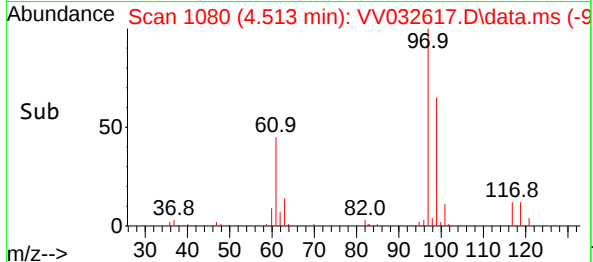
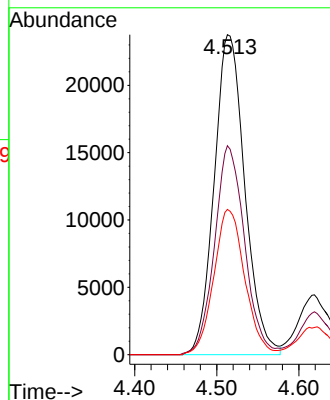
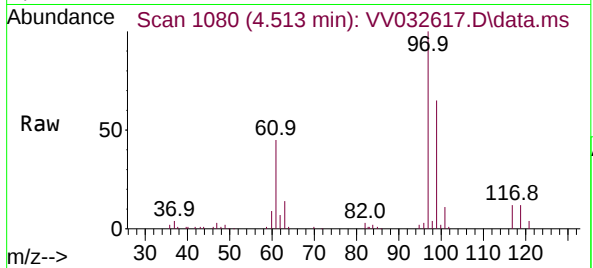
Tgt Ion: 97 Resp: 61691

Ion Ratio Lower Upper

97 100

99 63.9 50.1 75.1

61 45.8 35.1 52.7



#30

Cyclohexane

Concen: 3.191 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

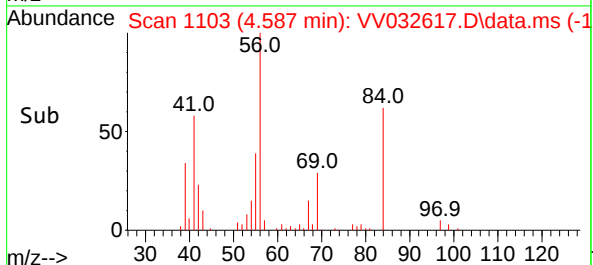
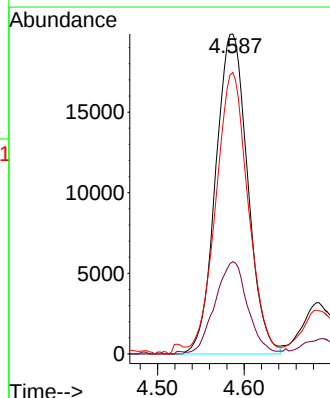
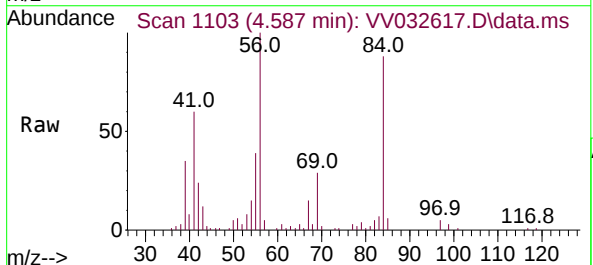
Tgt Ion: 56 Resp: 50928

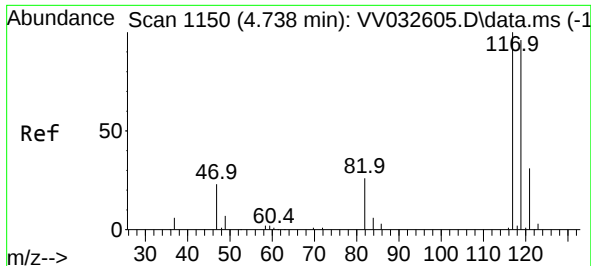
Ion Ratio Lower Upper

56 100

69 27.9 24.2 36.2

84 88.9 68.1 102.1

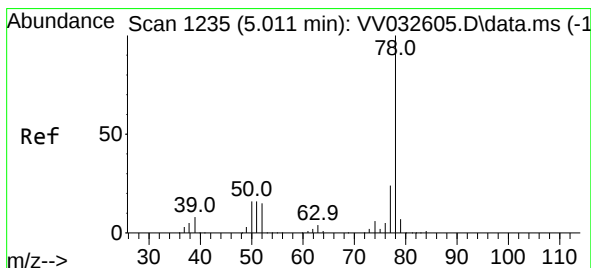
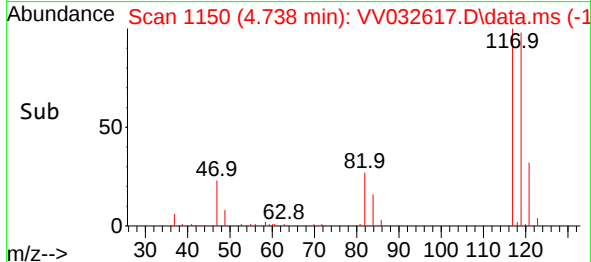
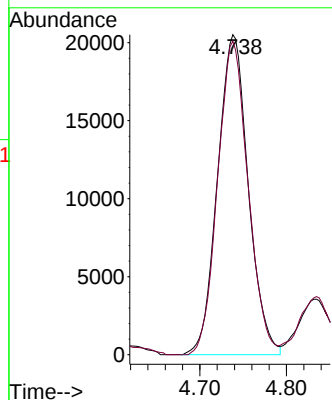
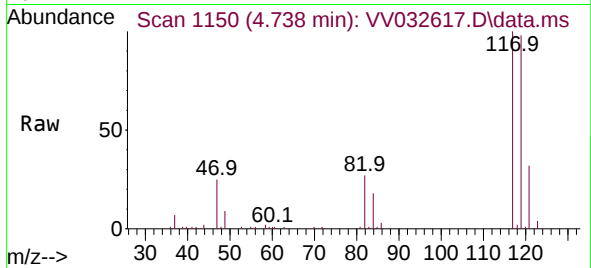




#31
Carbon tetrachloride
Concen: 4.111 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

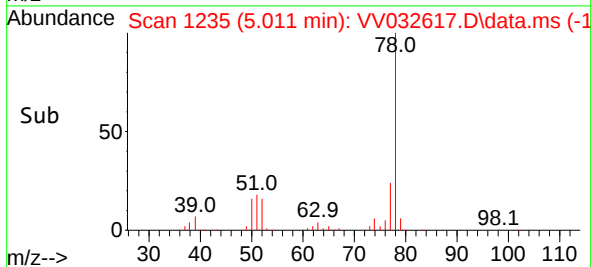
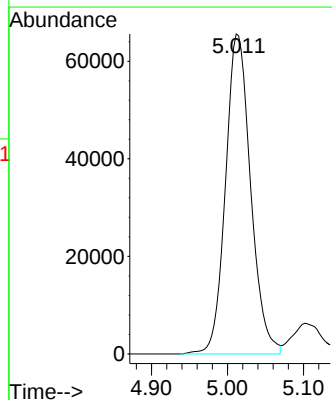
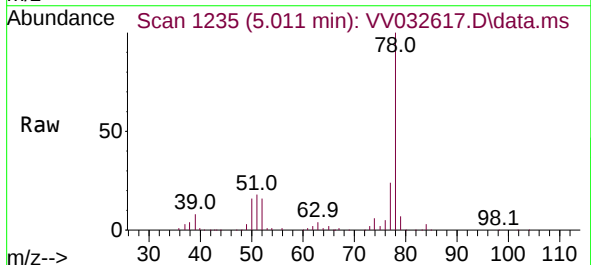
Instrument :
MSVOA_V
ClientSampleId :

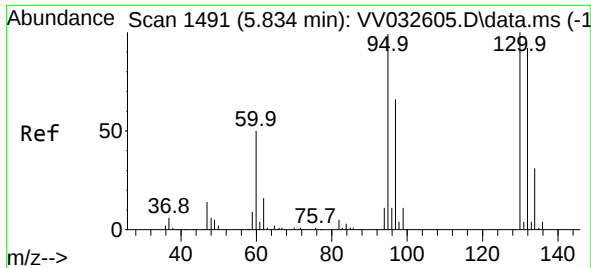
Tgt Ion:117 Resp: 50523
Ion Ratio Lower Upper
117 100
119 96.8 77.6 116.4



#33
Benzene
Concen: 3.997 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion: 78 Resp: 150346

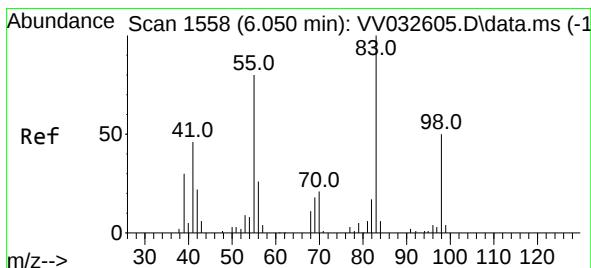
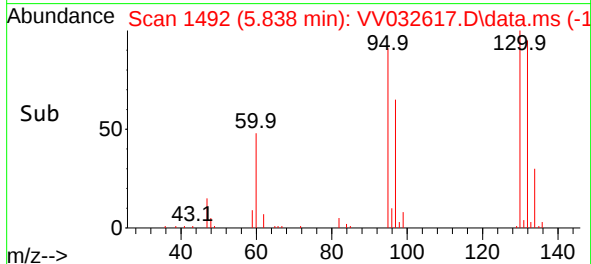
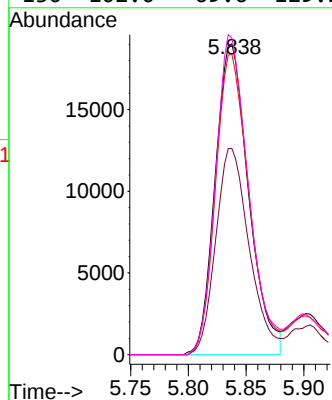
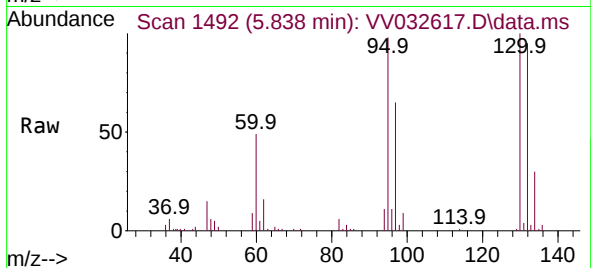




#34
Trichloroethene
Concen: 3.725 ug/L
RT: 5.838 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

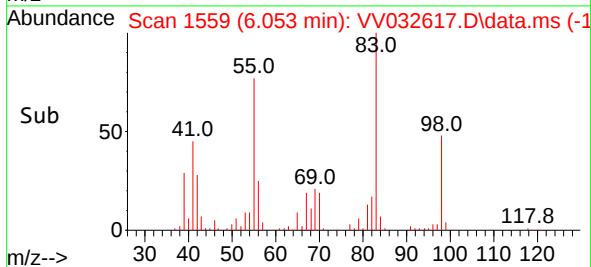
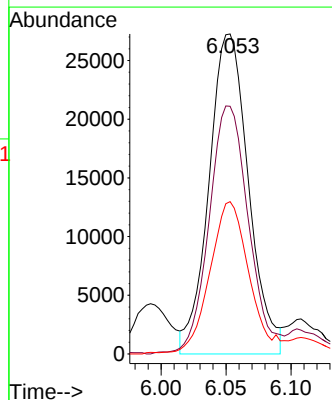
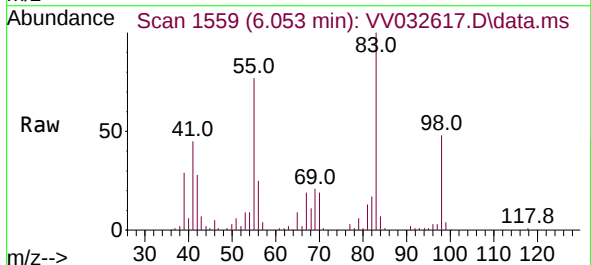
Instrument :
MSVOA_V
ClientSampleId :

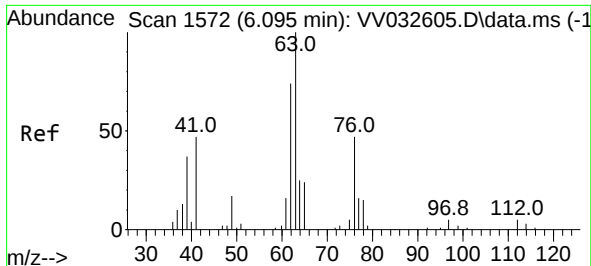
Tgt Ion: 95 Resp: 38253
Ion Ratio Lower Upper
95 100
97 66.4 45.7 84.9
132 96.8 70.3 130.5
130 102.0 69.6 129.2



#35
Methylcyclohexane
Concen: 3.636 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion: 83 Resp: 57784
Ion Ratio Lower Upper
83 100
55 77.8 64.2 96.2
98 46.6 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.127 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

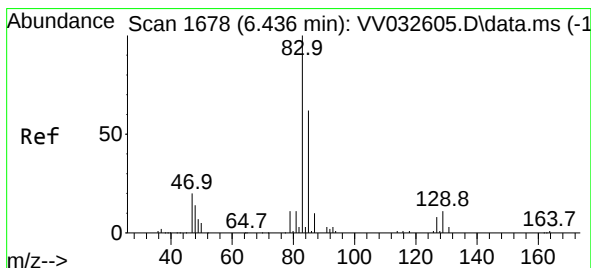
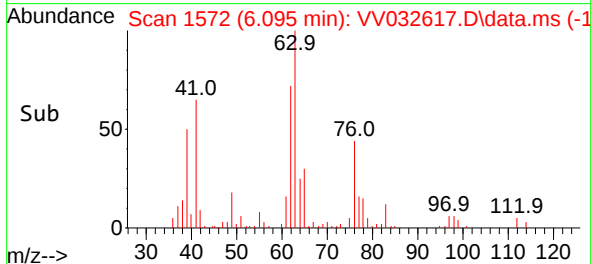
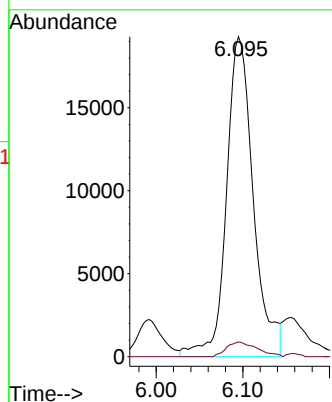
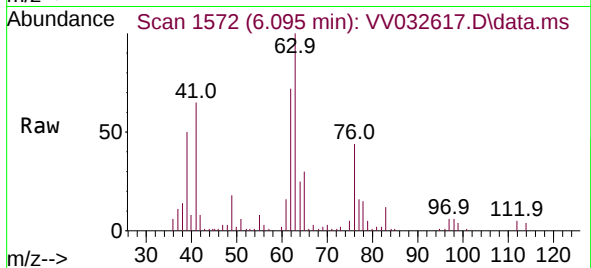
ClientSampleId :

Tgt Ion: 63 Resp: 41512

Ion Ratio Lower Upper

63 100

112 5.3 3.4 5.2#



#38

Bromodichloromethane

Concen: 4.242 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

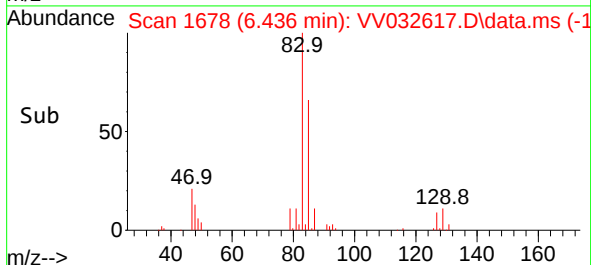
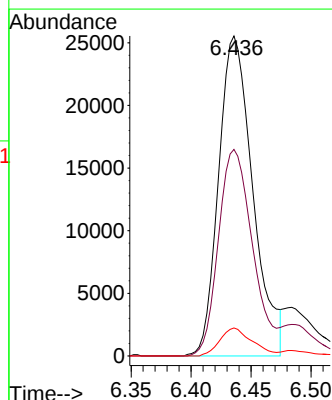
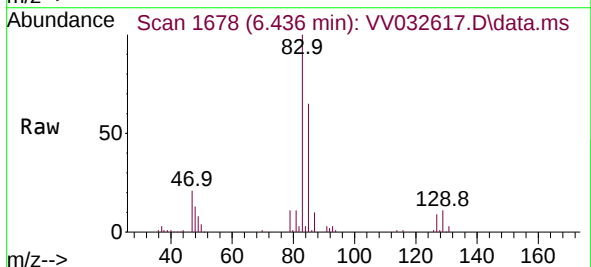
Tgt Ion: 83 Resp: 50706

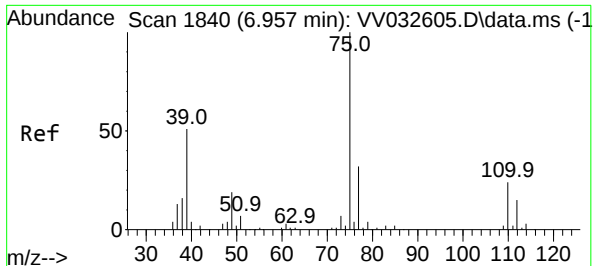
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.188 ug/L

RT: 6.957 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

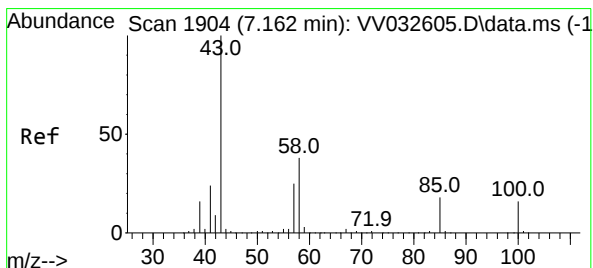
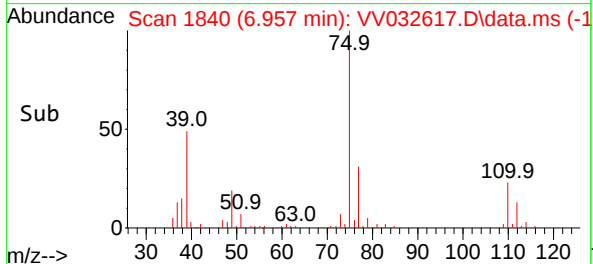
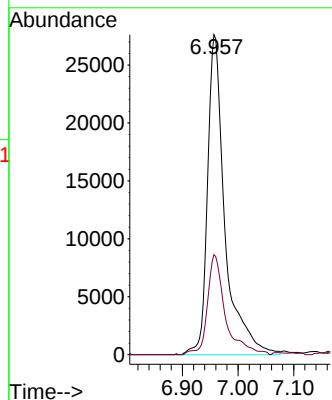
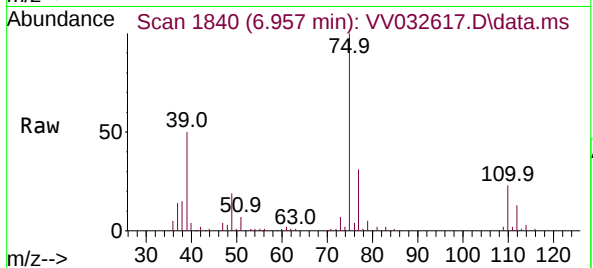
ClientSampleId :

Tgt Ion: 75 Resp: 59958

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 40.885 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

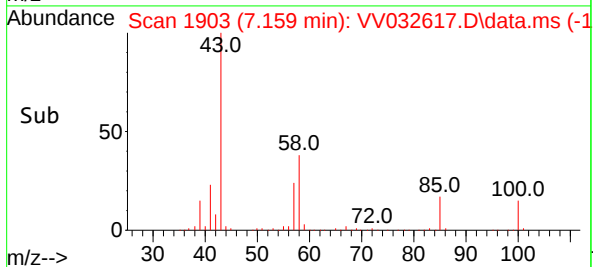
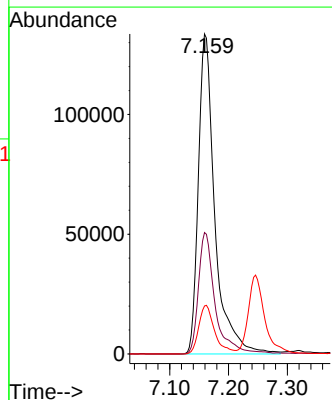
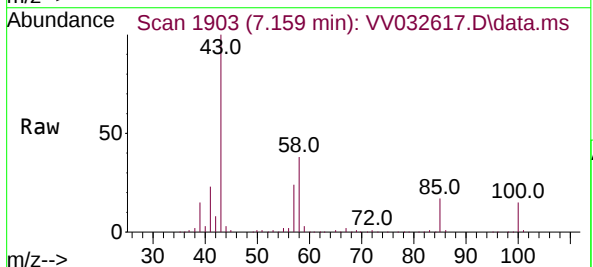
Tgt Ion: 43 Resp: 260263

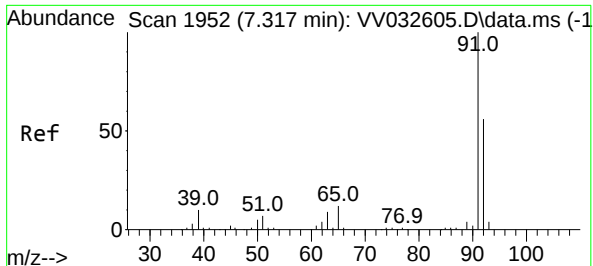
Ion Ratio Lower Upper

43 100

58 38.3 31.9 47.9

100 14.7 11.3 16.9





#42

Toluene

Concen: 4.544 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

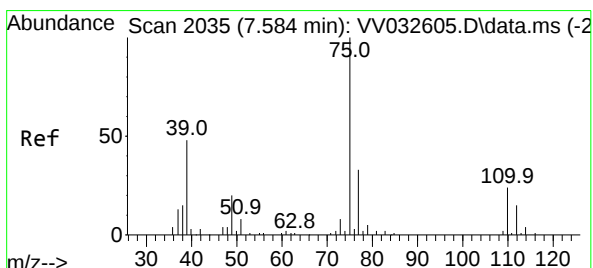
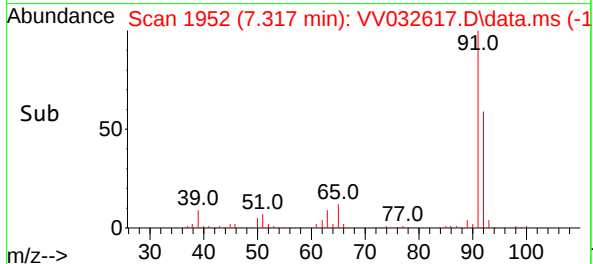
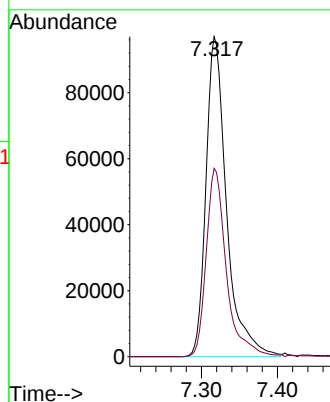
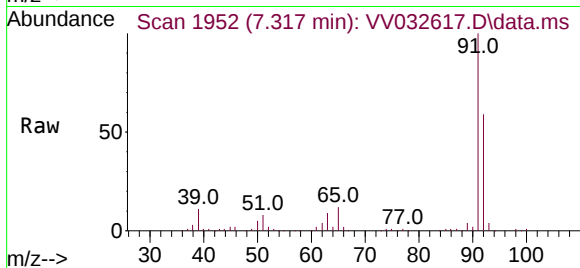
ClientSampleId :

Tgt Ion: 91 Resp: 182203

Ion Ratio Lower Upper

91 100

92 58.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.102 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032617.D

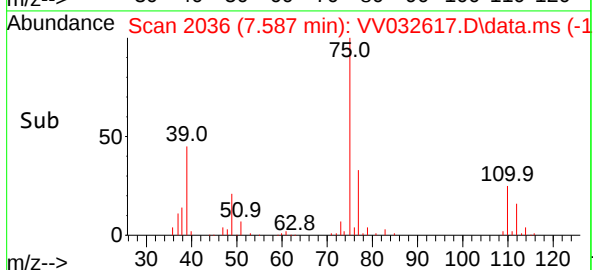
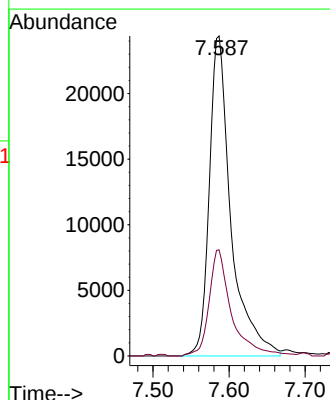
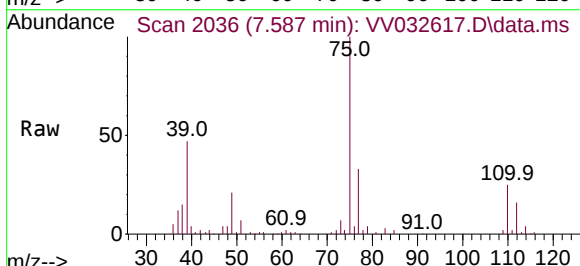
Acq: 25 Oct 2023 02:36

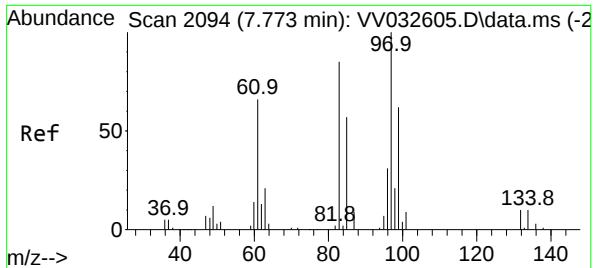
Tgt Ion: 75 Resp: 48259

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.475 ug/L

RT: 7.770 min Scan# 2094

Delta R.T. -0.003 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 31756

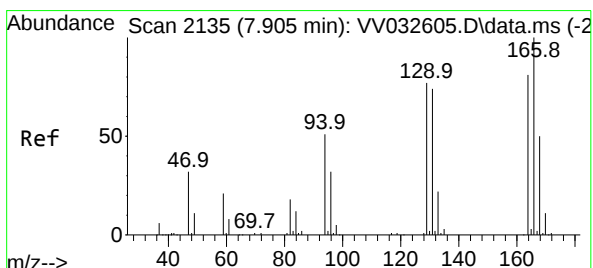
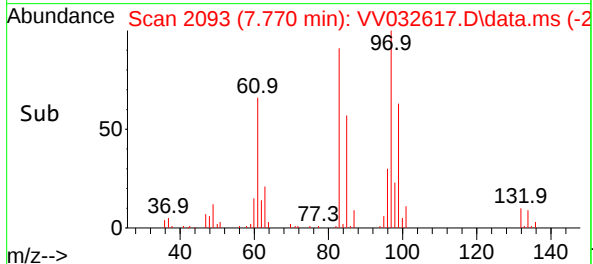
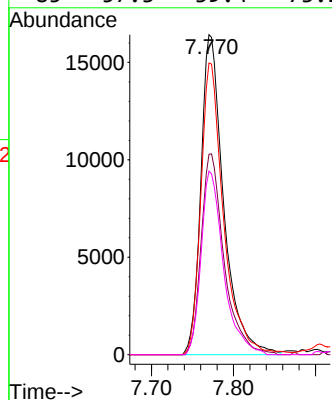
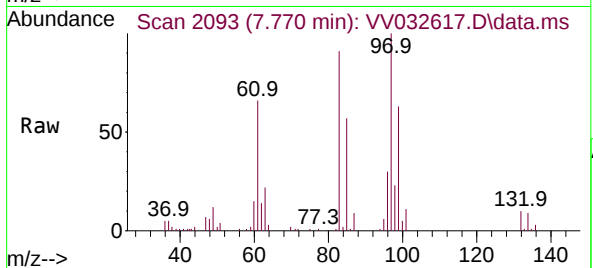
Ion Ratio Lower Upper

97 100

99 62.6 42.8 79.4

83 91.2 60.9 113.1

85 57.3 39.4 73.2



#47

Tetrachloroethene

Concen: 4.251 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Tgt Ion:164 Resp: 33101

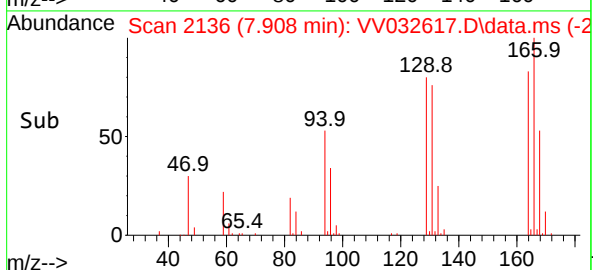
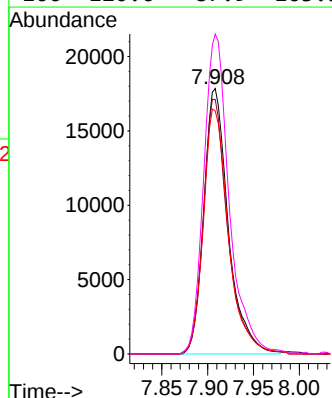
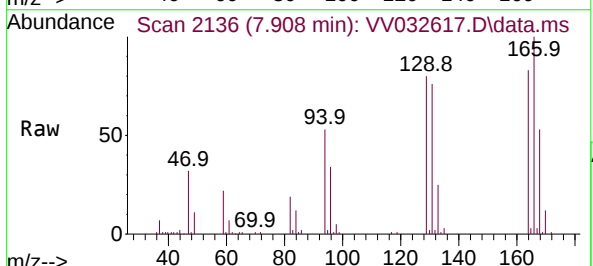
Ion Ratio Lower Upper

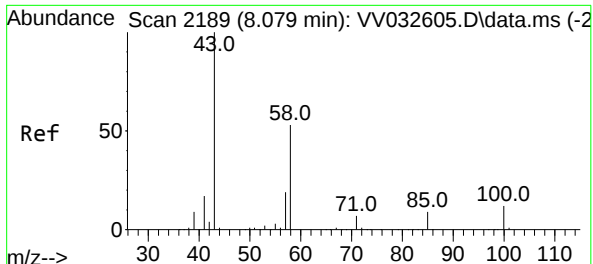
164 100

129 95.9 66.4 123.4

131 91.6 63.7 118.3

166 120.6 87.9 163.3



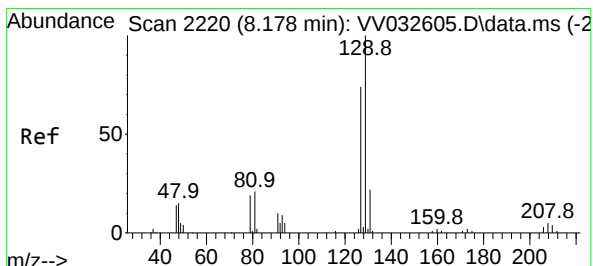
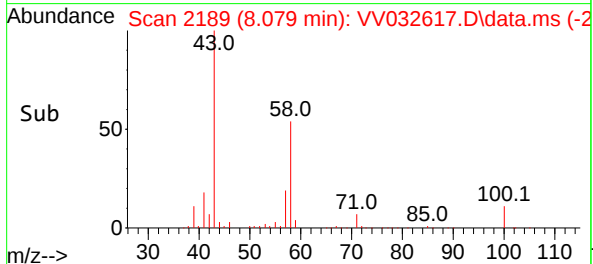
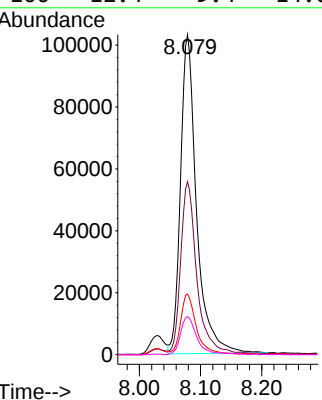
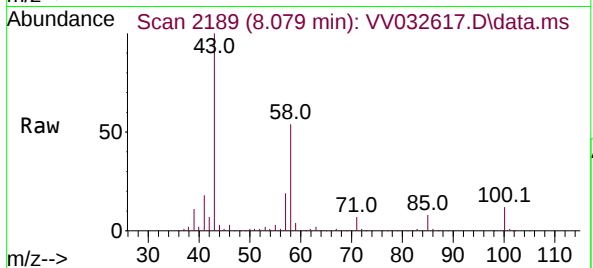


#48
2-Hexanone
Concen: 41.882 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 188105

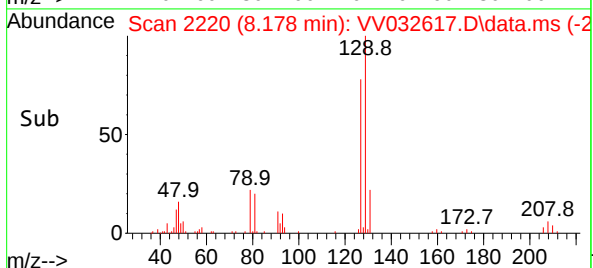
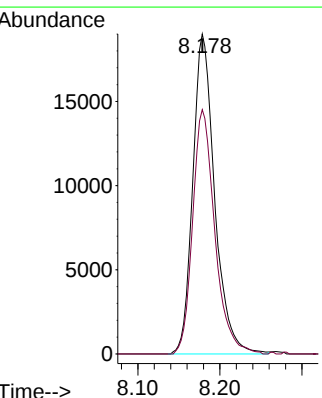
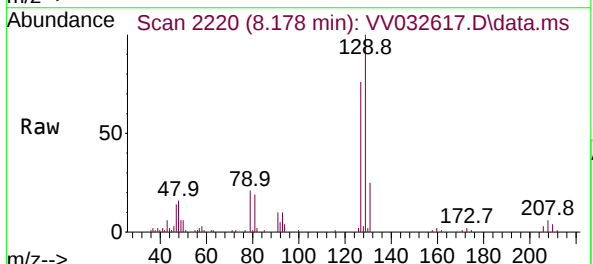
Ion	Ratio	Lower	Upper
43	100		
58	52.8	43.6	65.4
57	18.9	14.6	22.0
100	12.4	9.4	14.0

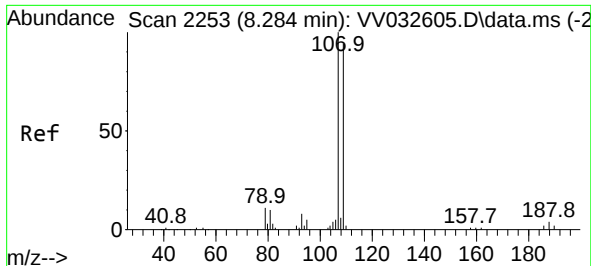


#49
Dibromochloromethane
Concen: 4.768 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion: 129 Resp: 35224

Ion	Ratio	Lower	Upper
129	100		
127	76.3	57.2	106.2





#50

1,2-Dibromoethane

Concen: 4.404 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032617.D

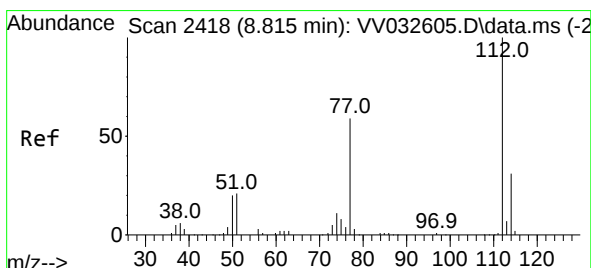
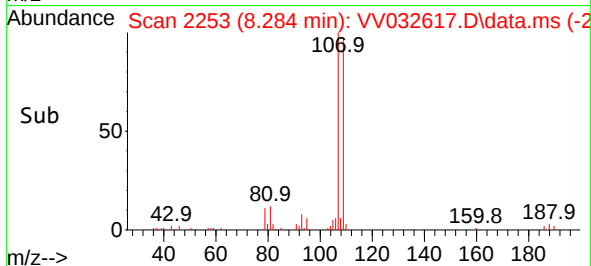
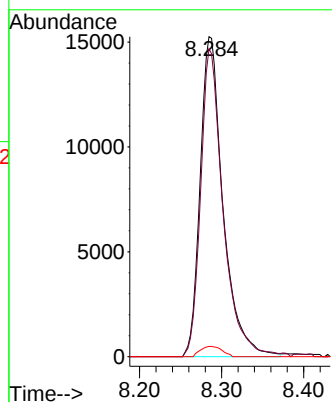
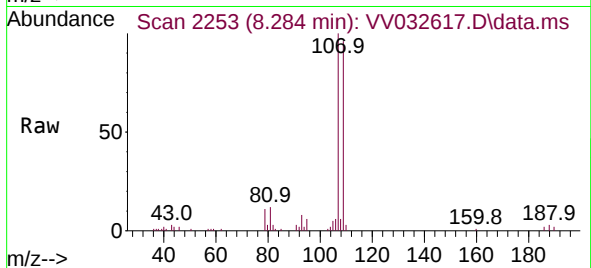
Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	29559
Ion	Ratio	Lower Upper
107	100	
109	96.2	68.4 127.0
188	3.2	3.2 4.8



#51

Chlorobenzene

Concen: 4.434 ug/L

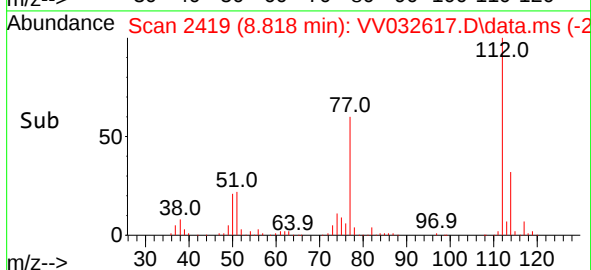
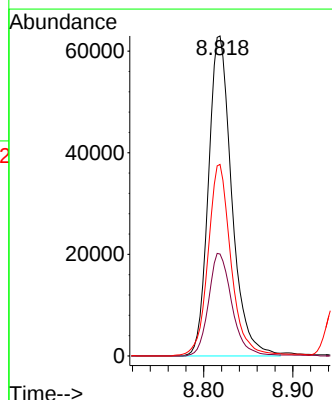
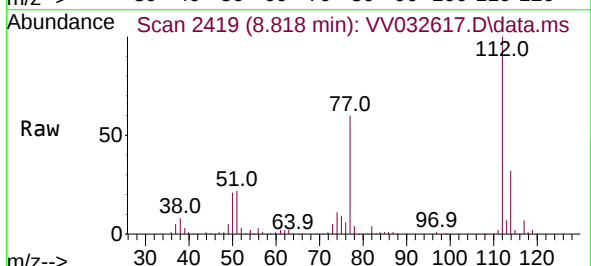
RT: 8.818 min Scan# 2419

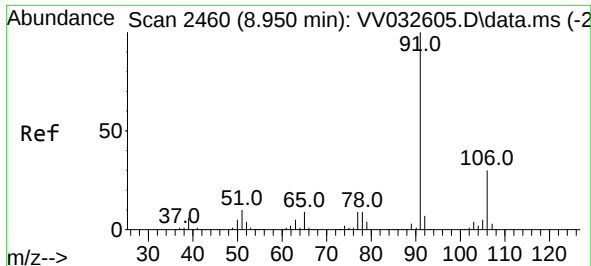
Delta R.T. 0.003 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Tgt Ion:112	Resp:	114474
Ion	Ratio	Lower Upper
112	100	
114	31.8	22.1 41.1
77	59.9	46.1 69.1





#52

Ethylbenzene

Concen: 4.299 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

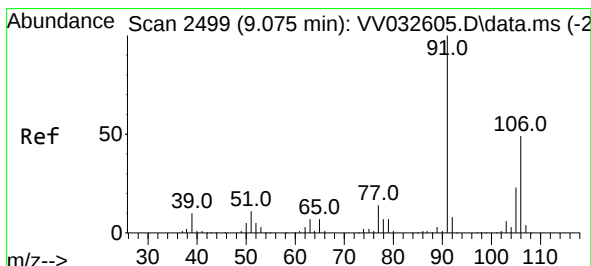
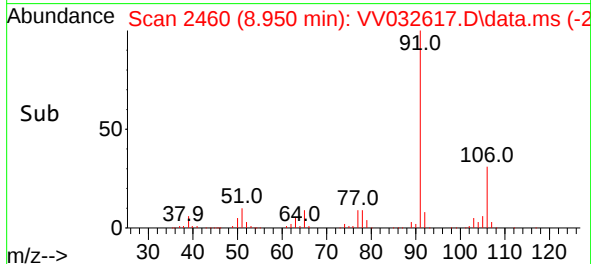
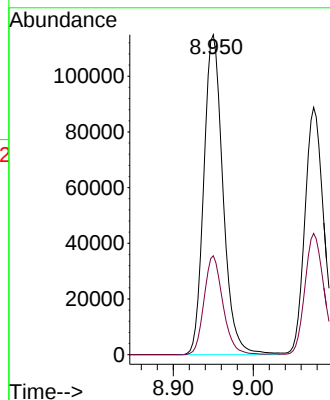
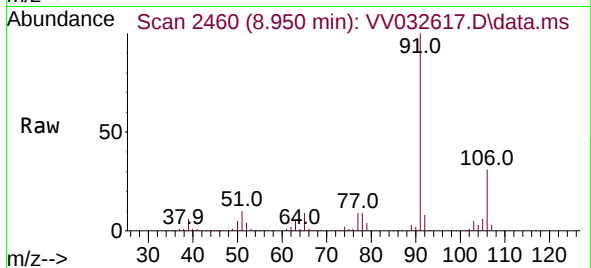
ClientSampleId :

Tgt Ion: 91 Resp: 191961

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#53

m,p-Xylene

Concen: 4.393 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. -0.000 min

Lab File: VV032617.D

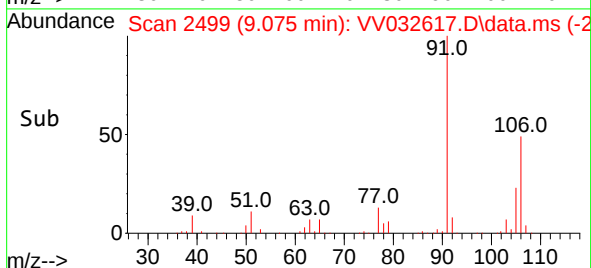
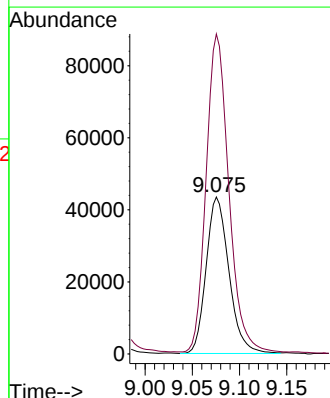
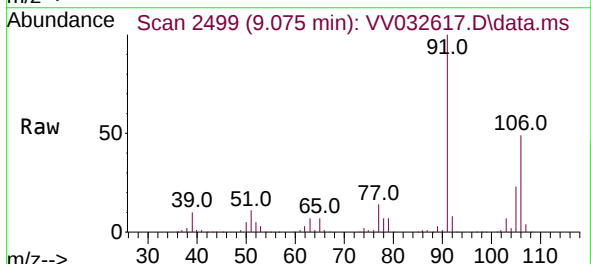
Acq: 25 Oct 2023 02:36

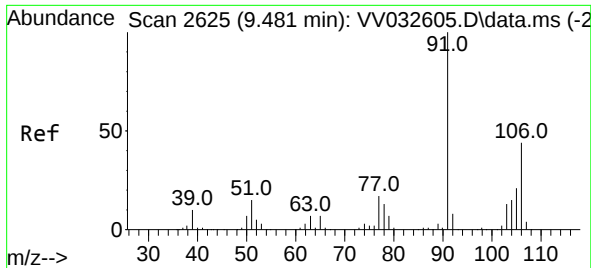
Tgt Ion: 106 Resp: 72745

Ion Ratio Lower Upper

106 100

91 203.8 144.5 268.3

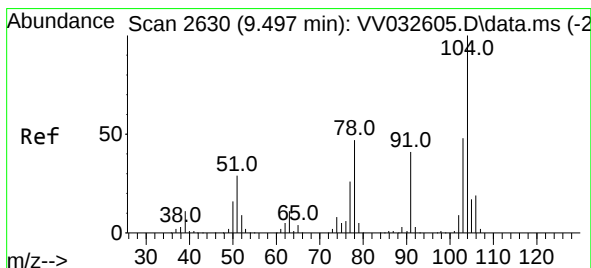
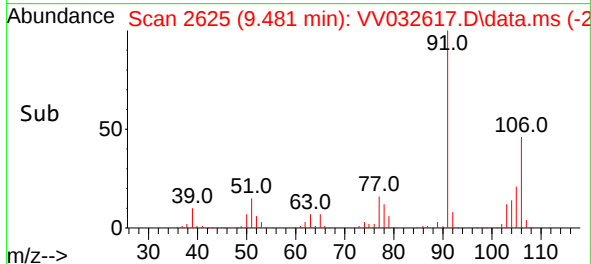
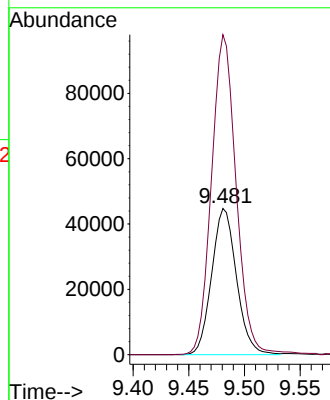
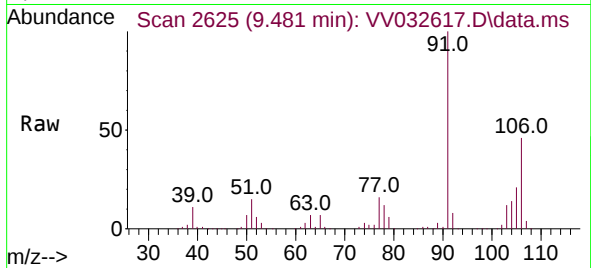




#54
o-Xylene
Concen: 4.345 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

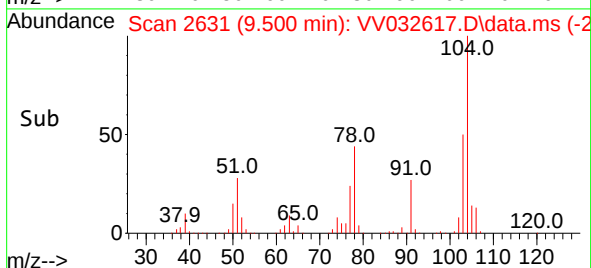
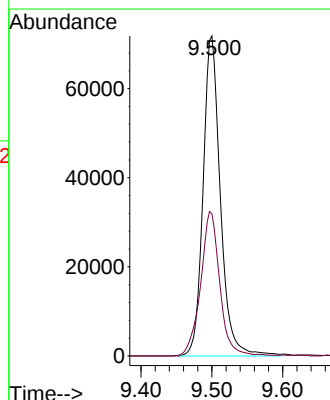
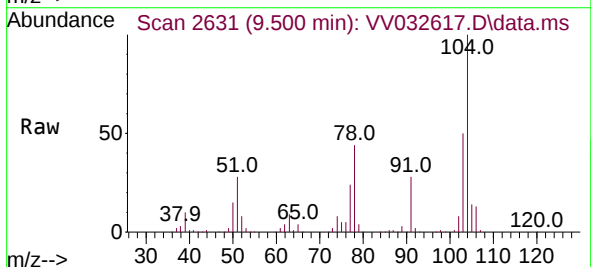
Instrument :
MSVOA_V
ClientSampleId :

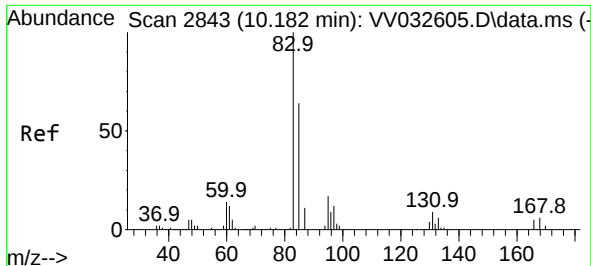
Tgt Ion:106 Resp: 69338
Ion Ratio Lower Upper
106 100
91 218.7 154.8 287.4



#55
Styrene
Concen: 4.531 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion:104 Resp: 122097
Ion Ratio Lower Upper
104 100
78 44.5 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.013 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032617.D

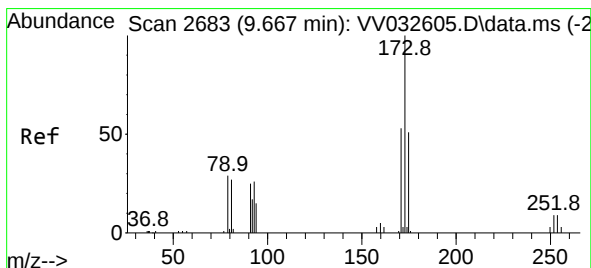
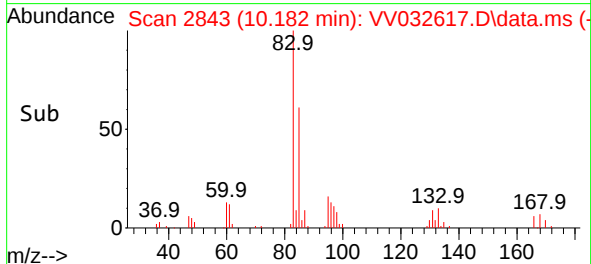
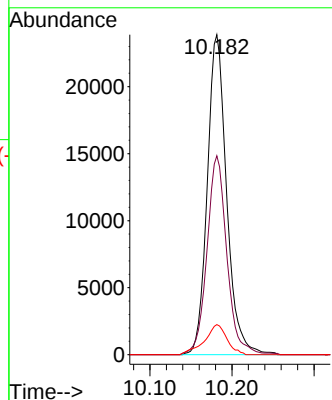
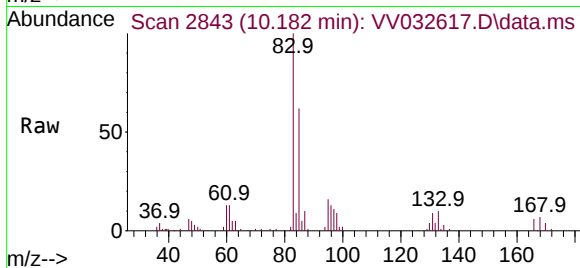
Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	39140
Ion	Ratio	Lower	Upper
83	100		
85	62.1	43.6	81.0
131	9.4	7.0	10.6



#59

Bromoform

Concen: 4.714 ug/L

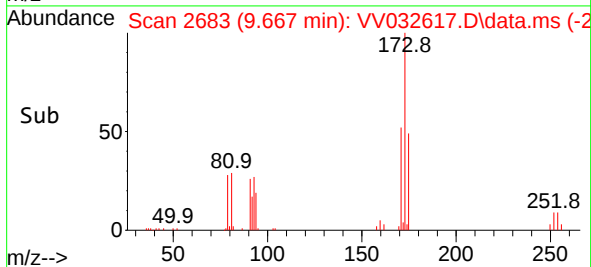
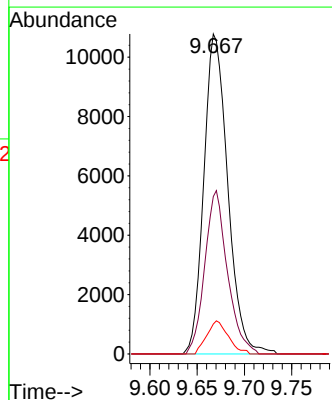
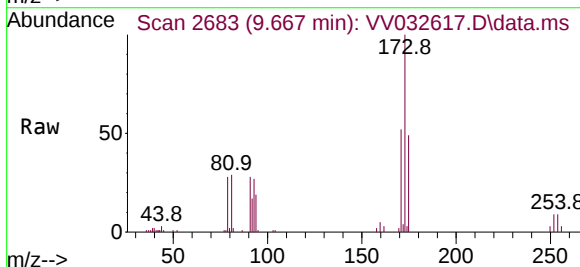
RT: 9.667 min Scan# 2683

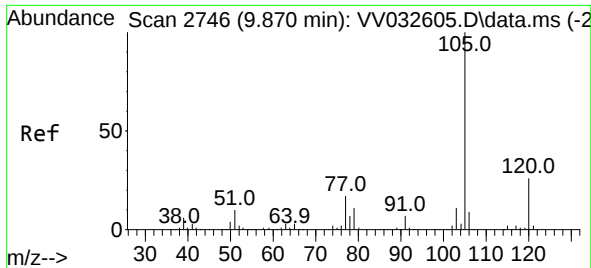
Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

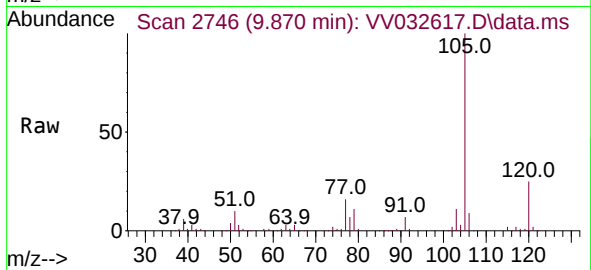
Tgt Ion:	173	Resp:	18981
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.2	57.2
254	9.3	7.0	10.4



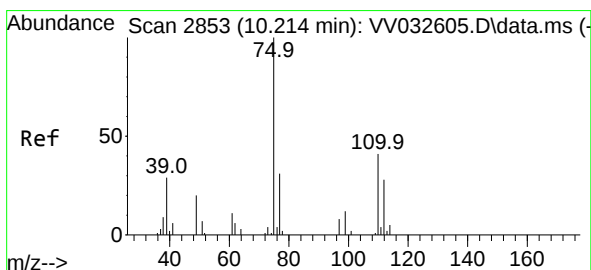
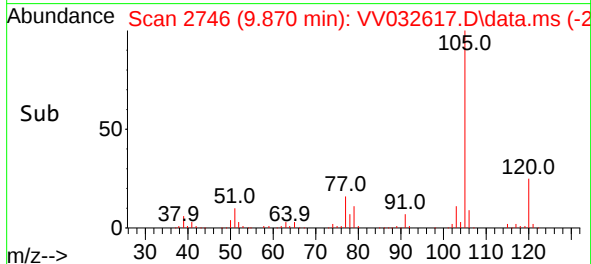
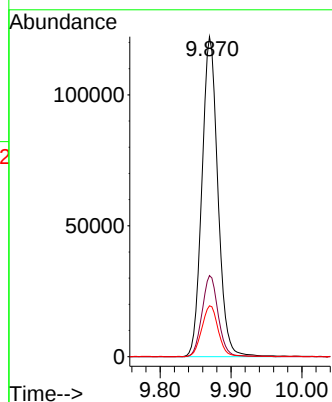


#60
Isopropylbenzene
Concen: 4.437 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Instrument :
MSVOA_V
ClientSampleId :

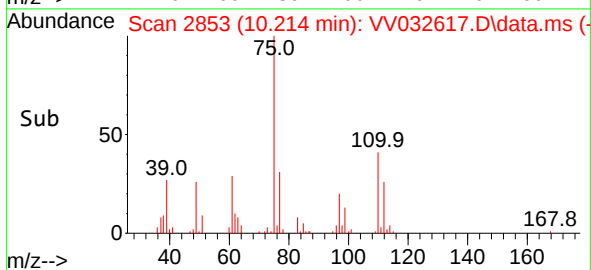
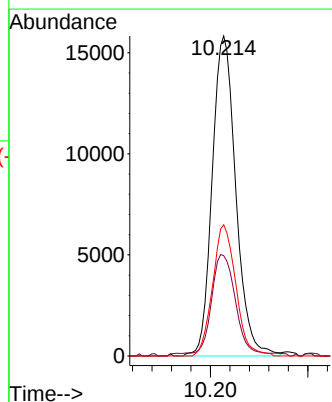
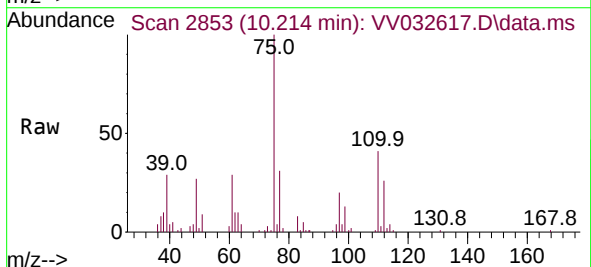


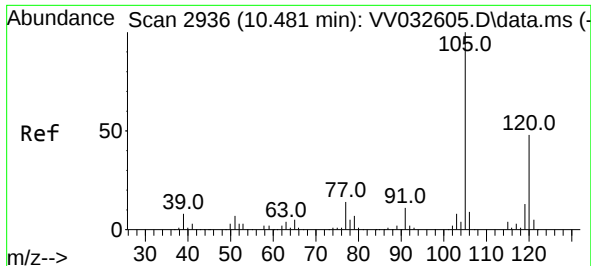
Tgt Ion:105 Resp: 190925
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.6
77 16.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.527 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion: 75 Resp: 26677
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2
110 40.3 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.181 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

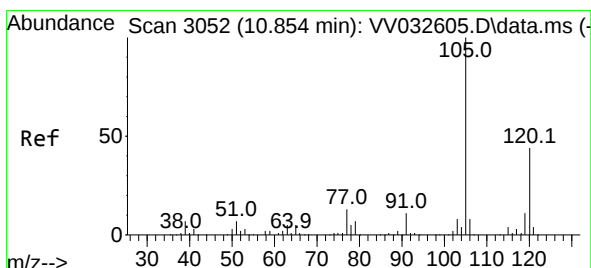
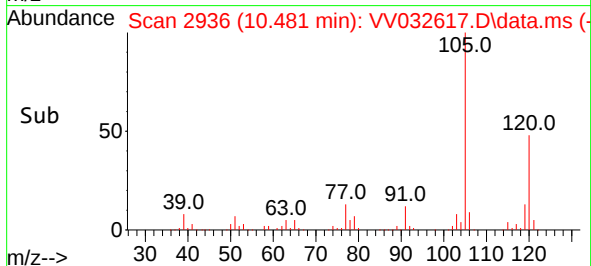
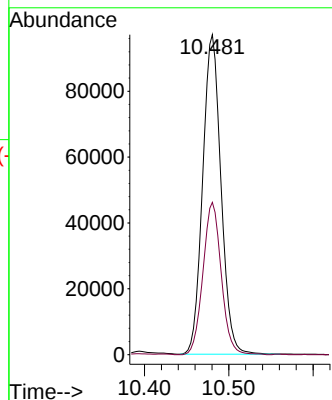
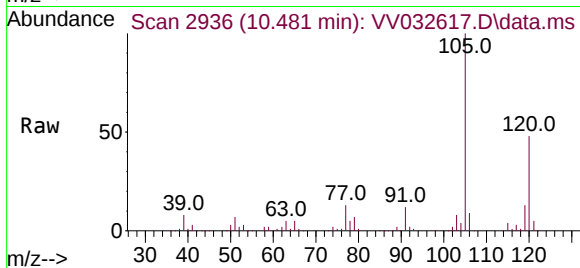
ClientSampleId :

Tgt Ion:105 Resp: 146636

Ion Ratio Lower Upper

105 100

120 47.7 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.275 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032617.D

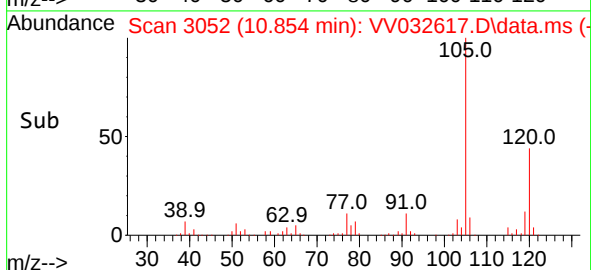
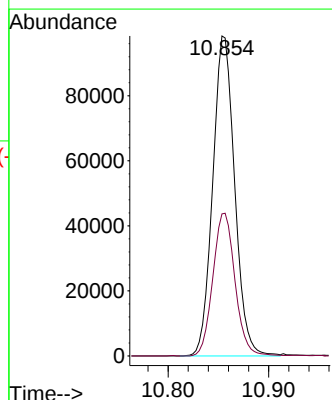
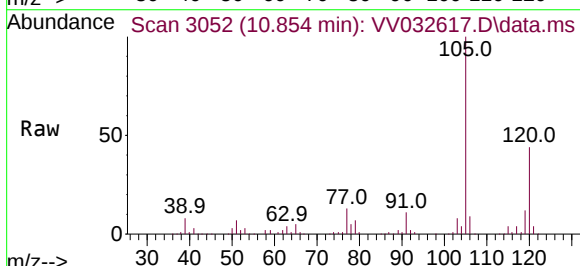
Acq: 25 Oct 2023 02:36

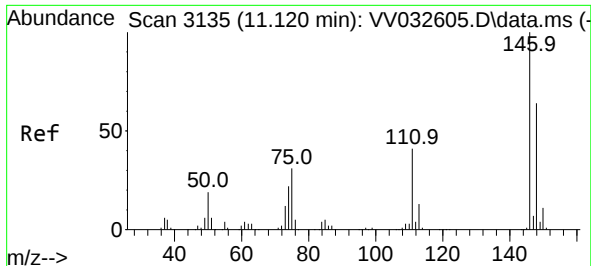
Tgt Ion:105 Resp: 149264

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4

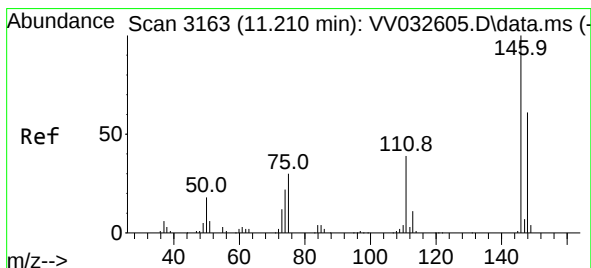
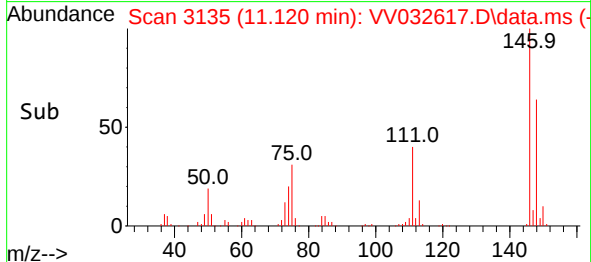
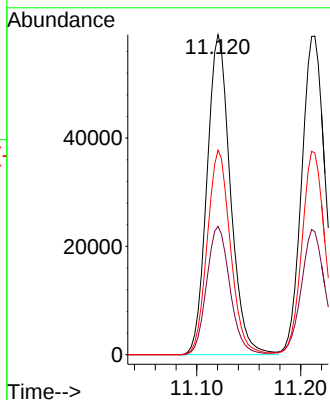
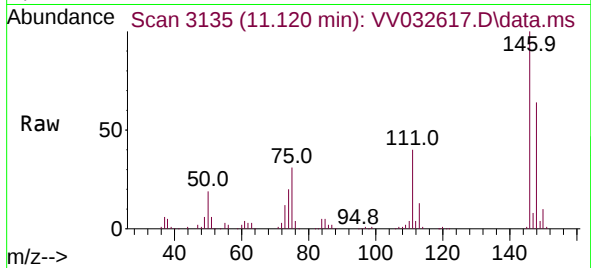




#64
 1,3-Dichlorobenzene
 Concen: 4.503 ug/L
 RT: 11.120 min Scan# 3135
 Delta R.T. -0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

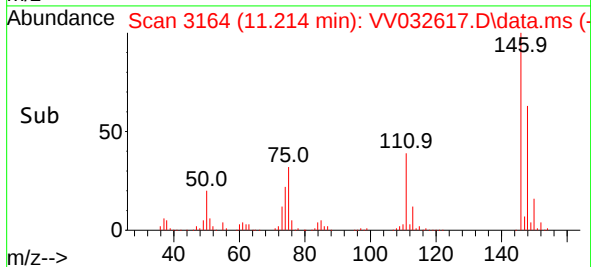
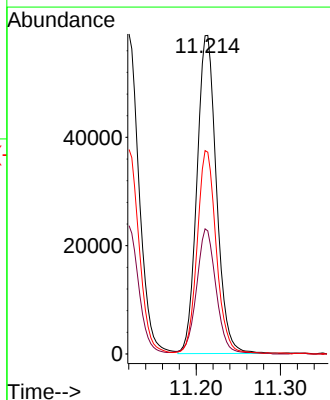
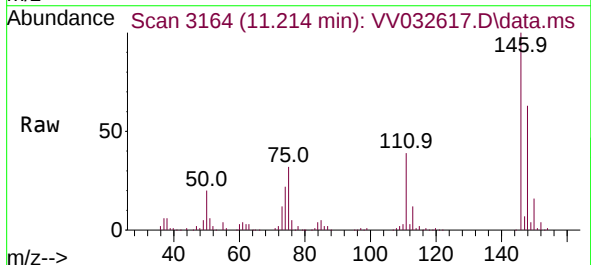
Instrument :
 MSVOA_V
 ClientSampleId :

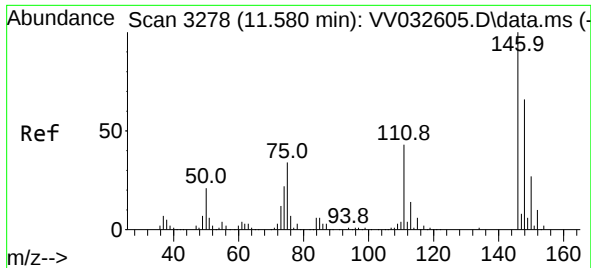
Tgt Ion:146 Resp: 92572
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.8 51.6
 148 63.9 43.7 81.1



#65
 1,4-Dichlorobenzene
 Concen: 4.595 ug/L
 RT: 11.214 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

Tgt Ion:146 Resp: 94760
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.9 49.9
 148 63.3 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.595 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

Instrument :

MSVOA_V

ClientSampleId :

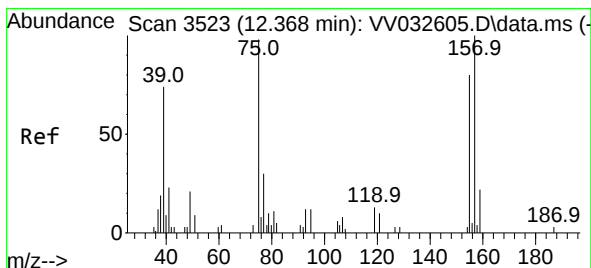
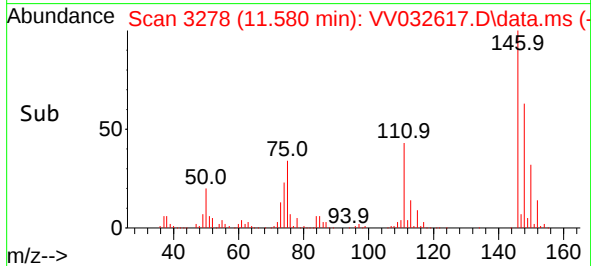
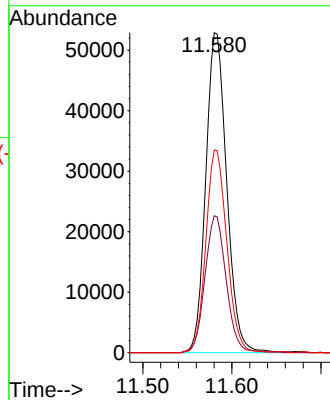
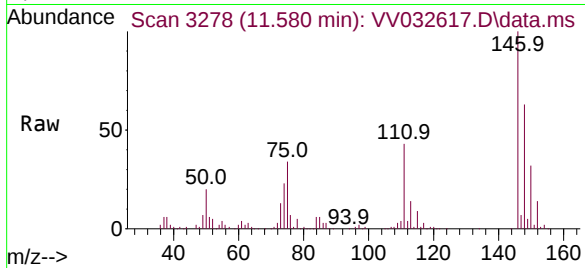
Tgt Ion:146 Resp: 86142

Ion Ratio Lower Upper

146 100

111 42.8 32.8 49.2

148 63.3 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.412 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032617.D

Acq: 25 Oct 2023 02:36

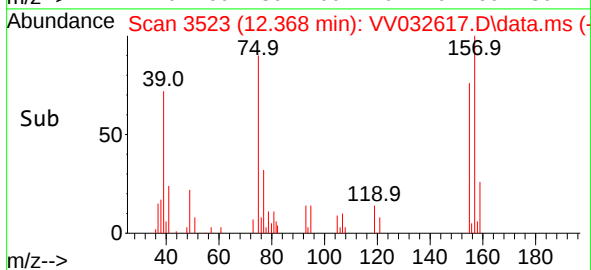
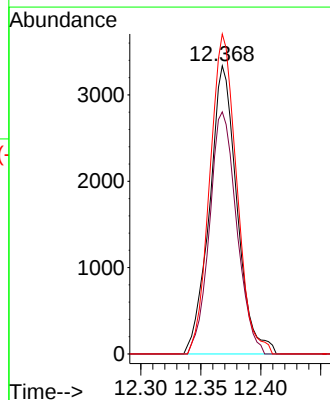
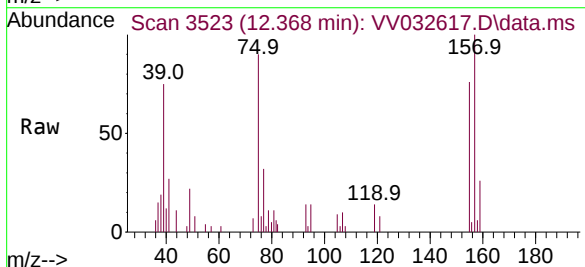
Tgt Ion: 75 Resp: 5313

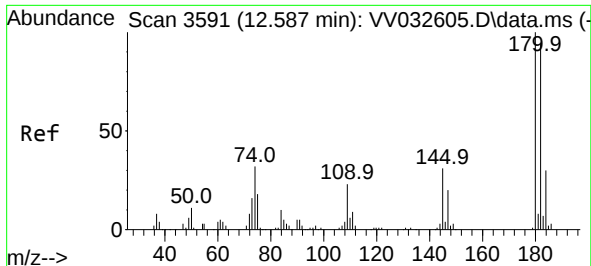
Ion Ratio Lower Upper

75 100

155 84.0 70.2 105.4

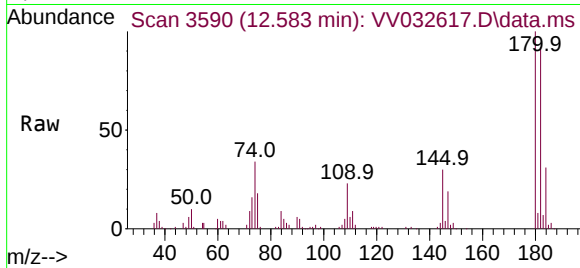
157 111.1 90.6 135.8



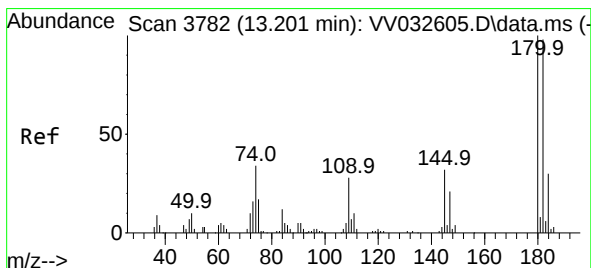
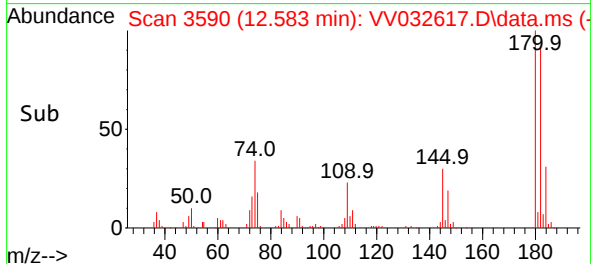
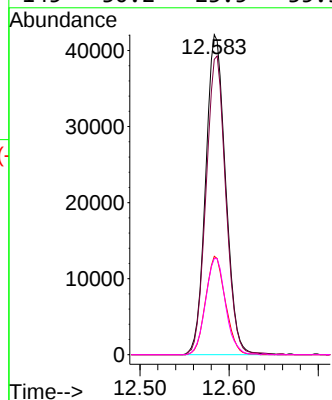


#69
 1,3,5-Trichlorobenzene
 Concen: 4.334 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. -0.003 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

Instrument :
 MSVOA_V
 ClientSampleId :

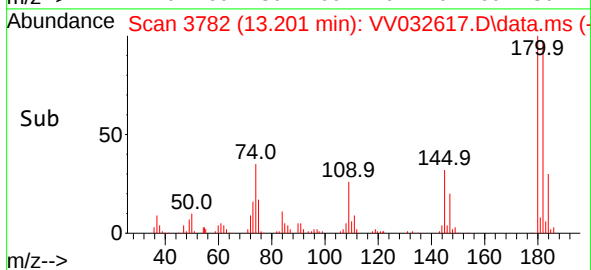
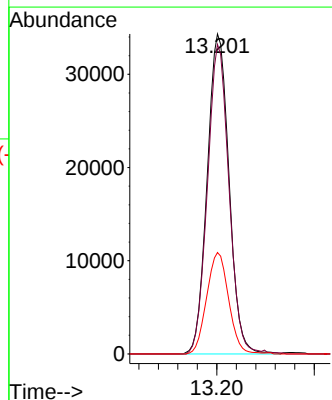
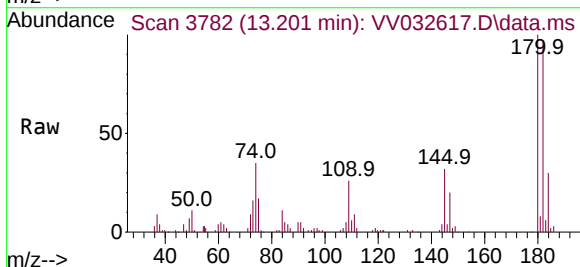


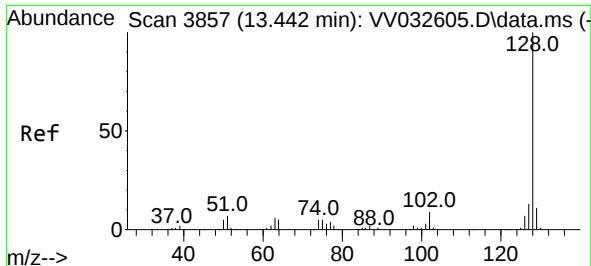
Tgt Ion:180 Resp: 65243
 Ion Ratio Lower Upper
 180 100
 182 92.6 74.6 112.0
 184 30.6 24.1 36.1
 145 30.2 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 3.997 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. -0.000 min
 Lab File: VV032617.D
 Acq: 25 Oct 2023 02:36

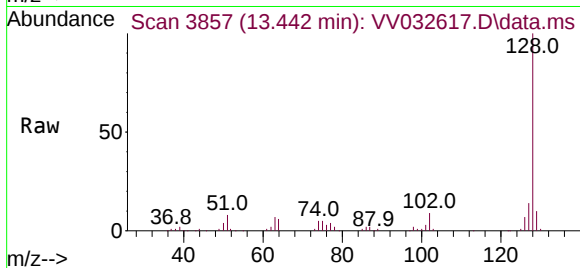
Tgt Ion:180 Resp: 53378
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.5 114.7
 145 32.0 24.3 36.5



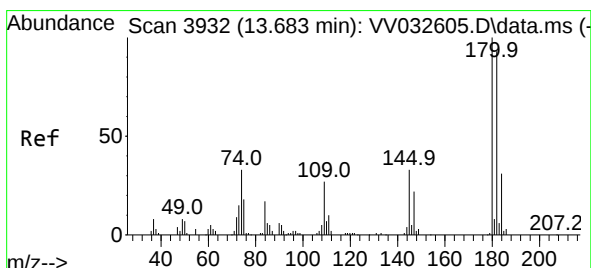
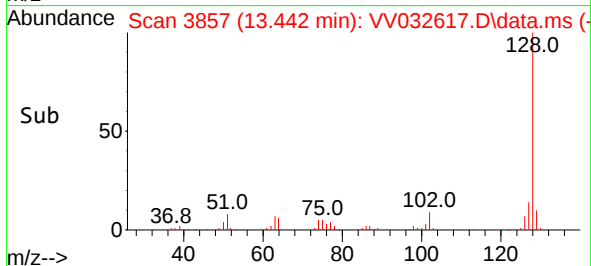
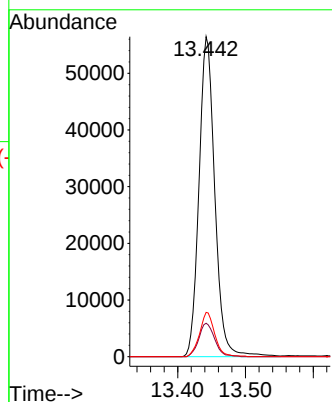


#71
Naphthalene
Concen: 4.031 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 91449
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 13.2 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.381 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032617.D
Acq: 25 Oct 2023 02:36

Tgt Ion:180 Resp: 50410
Ion Ratio Lower Upper
180 100
182 92.9 77.0 115.4
145 32.4 25.7 38.5

