

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102423\
 Data File : VW032616.D
 Acq On : 25 Oct 2023 02:12
 Operator : SY/MD
 Sample : 04995-03MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 08:37:04 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	92001	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	103028	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	54298	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	23210	3.102	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.532	69	27746	4.568	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.060	65	9487	3.006	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.200%
20) 2-Butanone-d5	3.799	46	102515	54.161	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.320%
24) Chloroform-d	4.375	84	11255	0.853	ug/L	0.12
Spiked Amount	5.000	Range	70 - 125	Recovery	=	17.000%#
26) 1,2-Dichloroethane-d4	4.947	65	32262	5.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	4.963	84	102025	3.365	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.400%#
36) 1,2-Dichloropropane-d6	5.992	67	34740	3.459	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.200%
41) Toluene-d8	7.246	98	96225	3.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	7.558	79	14286	4.014	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.027	63	90401	53.982	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.960%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	37620	5.355	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	40350	4.005	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	48253	4.707	ug/L	99
3) Chloromethane	1.217	50	49388	4.779	ug/L	97
5) Vinyl chloride	1.282	62	46926	4.760	ug/L	98
6) Bromomethane	1.487	94	28343	4.760	ug/L	97
8) Chloroethane	1.548	64	34023	5.733	ug/L	100
9) Trichlorofluoromethane	1.712	101	66047	5.587	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	36351	5.075	ug/L	98
12) 1,1-Dichloroethene	2.069	96	32839	4.867	ug/L	84
13) Acetone	2.127	43	62267	42.682	ug/L	97
14) Carbon disulfide	2.243	76	92713	3.931	ug/L	99
15) Methyl Acetate	2.384	43	11189	3.407	ug/L	92
16) Methylene chloride	2.449	84	38457	4.372	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	82675	4.501	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	33246	4.302	ug/L	98
19) 1,1-Dichloroethane	3.114	63	67057	4.612	ug/L	97
21) 2-Butanone	3.880	43	92809	40.681	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	38818	4.665	ug/L	99
23) Bromochloromethane	4.153	128	16990	4.853	ug/L	98
25) Chloroform	4.278	83	71975	5.046	ug/L	98

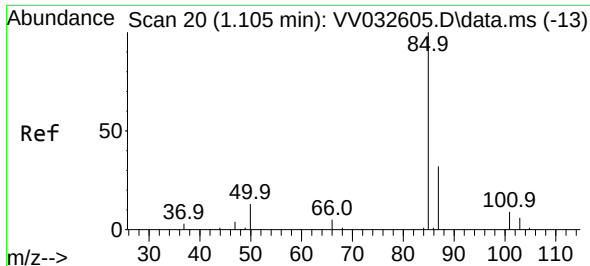
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102423\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 08:15:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	44522	5.283	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	59435	4.243	ug/L	97
30) Cyclohexane	4.587	56	48787	3.169	ug/L	96
31) Carbon tetrachloride	4.738	117	50412	4.253	ug/L	99
33) Benzene	5.011	78	150198	4.141	ug/L	100
34) Trichloroethene	5.838	95	37151	3.752	ug/L	96
35) Methylcyclohexane	6.053	83	55395	3.615	ug/L	97
37) 1,2-Dichloropropane	6.095	63	35980	3.709	ug/L #	95
38) Bromodichloromethane	6.436	83	49263	4.274	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	55679	4.033	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	253378	41.274	ug/L	98
42) Toluene	7.317	91	176785	4.572	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	48944	4.314	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	32080	4.688	ug/L	97
47) Tetrachloroethene	7.908	164	32543	4.334	ug/L	99
48) 2-Hexanone	8.079	43	184471	42.590	ug/L	99
49) Dibromochloromethane	8.178	129	34947	4.905	ug/L	97
50) 1,2-Dibromoethane	8.285	107	28395	4.387	ug/L	96
51) Chlorobenzene	8.818	112	112502	4.519	ug/L	99
52) Ethylbenzene	8.950	91	186000	4.320	ug/L	99
53) m,p-Xylene	9.075	106	70154	4.393	ug/L	99
54) o-Xylene	9.481	106	67722	4.401	ug/L	96
55) Styrene	9.500	104	116386	4.479	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.182	83	37945	5.039	ug/L	98
59) Bromoform	9.670	173	18314	4.638	ug/L	98
60) Isopropylbenzene	9.870	105	183991	4.360	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	25669	4.442	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	141015	4.100	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	142664	4.166	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	89383	4.434	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	88565	4.379	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	83171	4.524	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	5201	4.405	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	59948	4.061	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	50157	3.830	ug/L	99
71) Naphthalene	13.442	128	78619	3.534	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	46286	4.102	ug/L	99

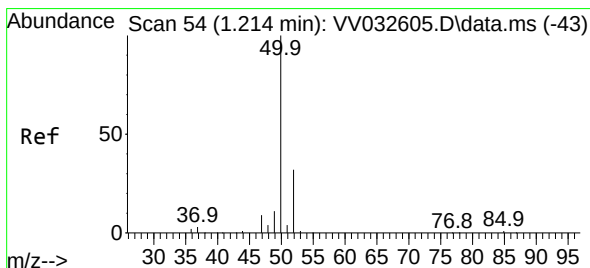
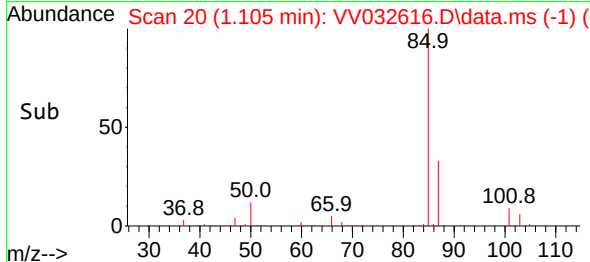
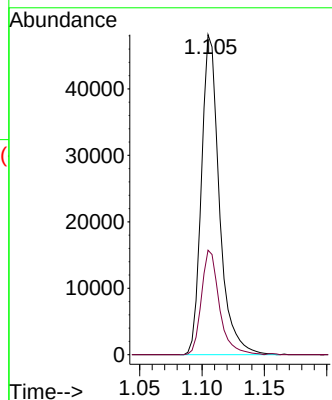
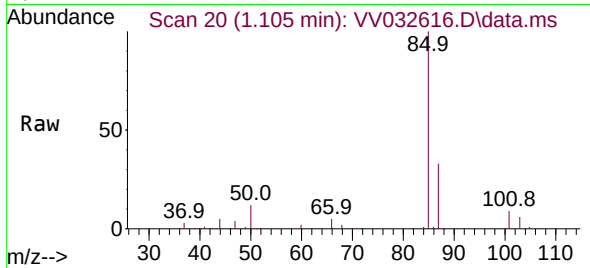
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.707 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

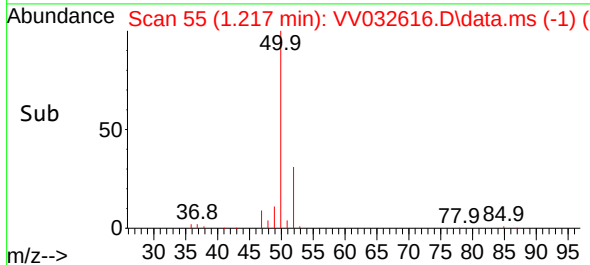
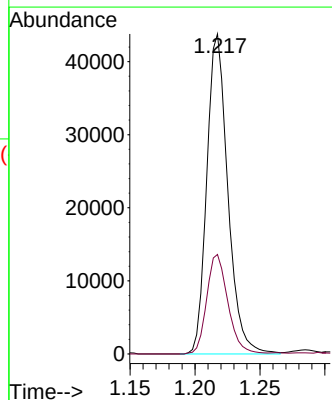
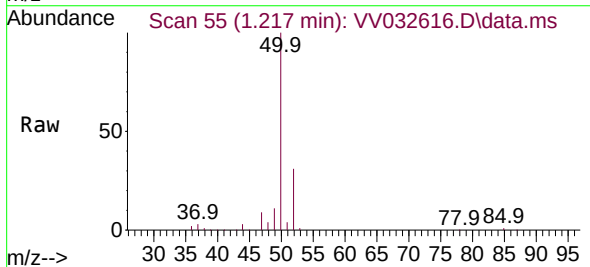
Instrument :
 MSVOA_V
 ClientSampleId :

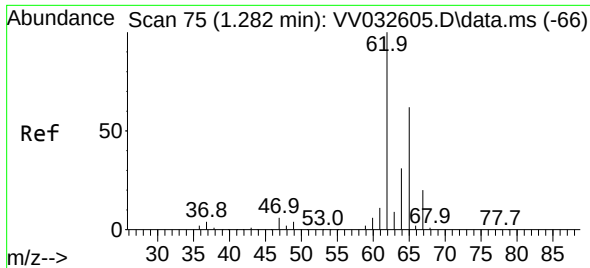
Tgt Ion: 85 Resp: 48253
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.5 38.3



#3
 Chloromethane
 Concen: 4.779 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

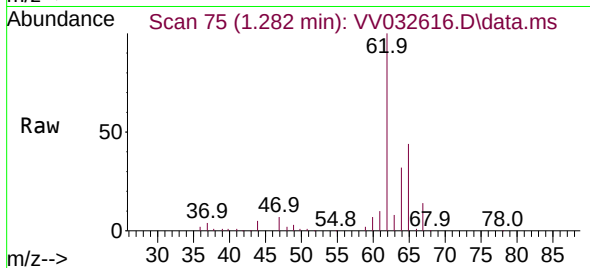
Tgt Ion: 50 Resp: 49388
 Ion Ratio Lower Upper
 50 100
 52 31.1 23.0 42.6



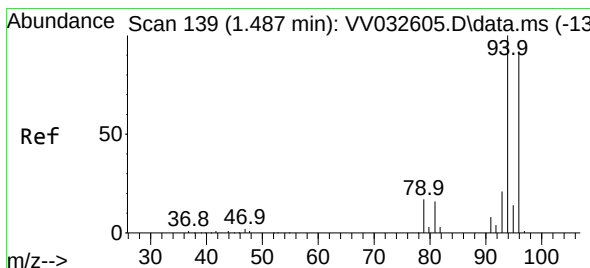
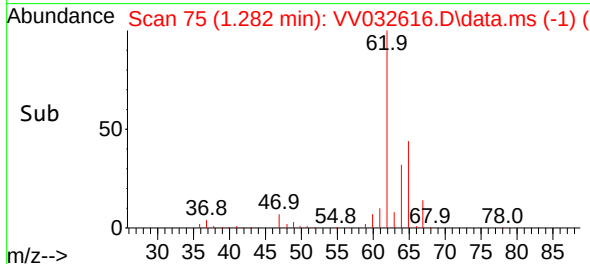
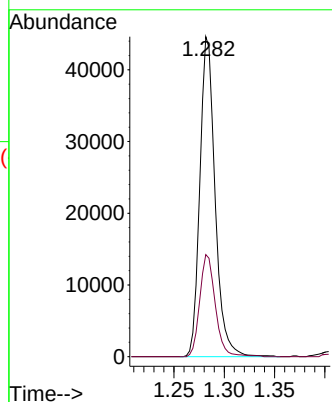


#5
 Vinyl chloride
 Concen: 4.760 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

Instrument :
 MSVOA_V
 ClientSampleId :

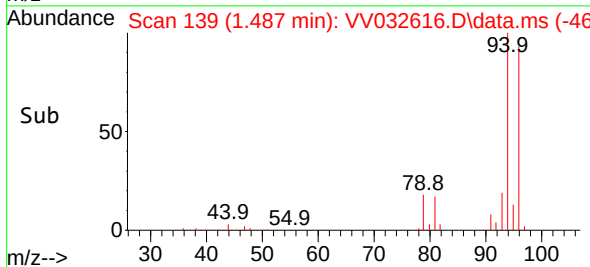
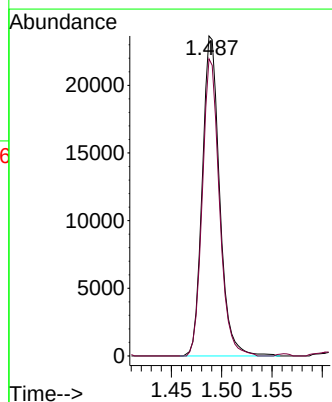
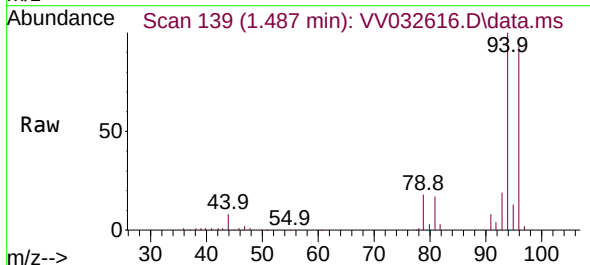


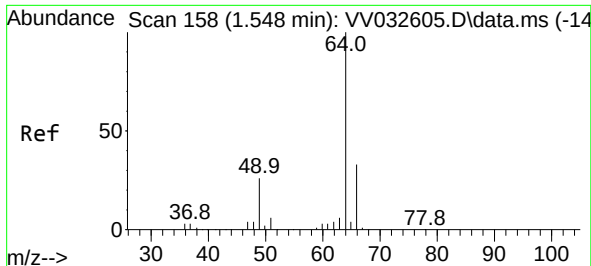
Tgt Ion: 62 Resp: 46926
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.1 42.9



#6
 Bromomethane
 Concen: 4.760 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

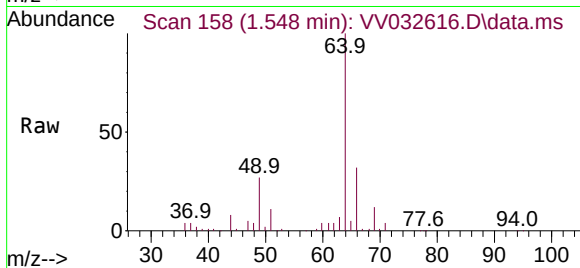
Tgt Ion: 94 Resp: 28343
 Ion Ratio Lower Upper
 94 100
 96 92.8 66.8 124.2



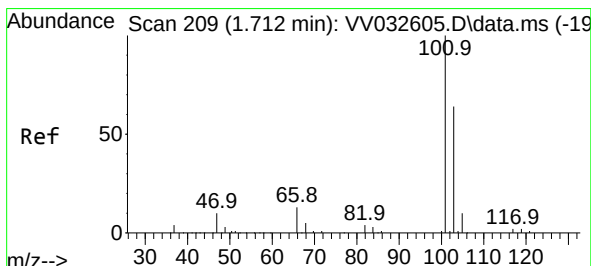
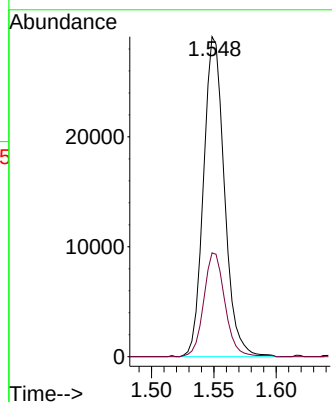
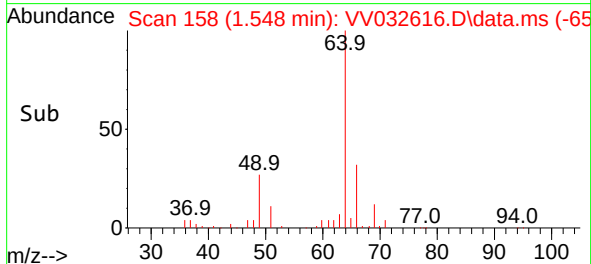


#8
Chloroethane
Concen: 5.733 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Instrument :
MSVOA_V
ClientSampleId :

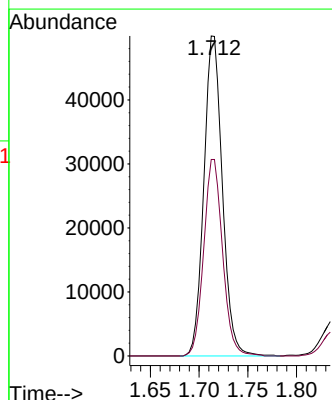
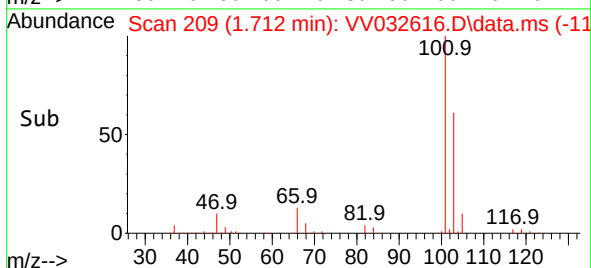
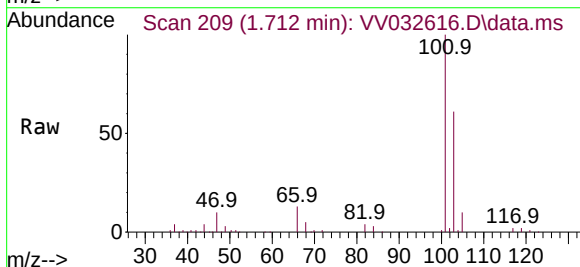


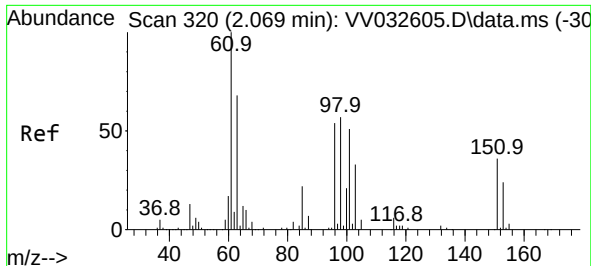
Tgt Ion: 64 Resp: 34023
Ion Ratio Lower Upper
64 100
66 32.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.587 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion:101 Resp: 66047
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.2

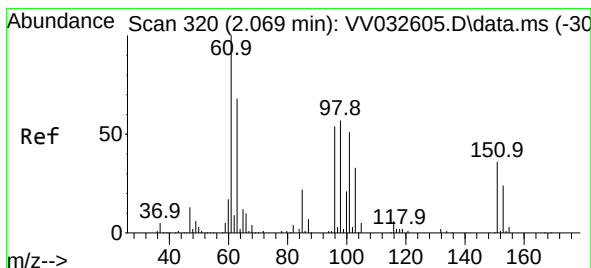
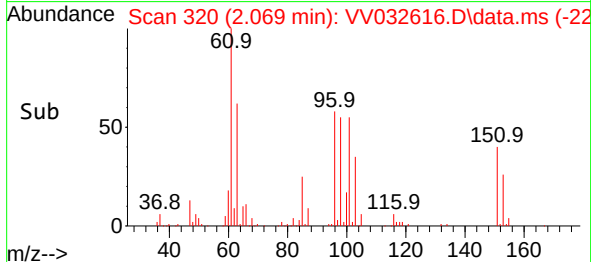
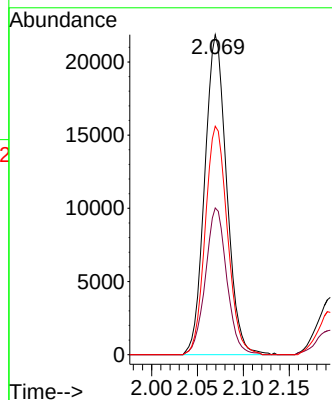
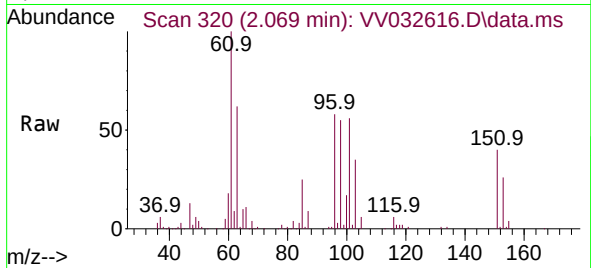




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.075 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

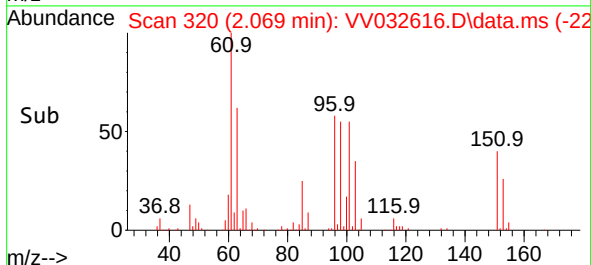
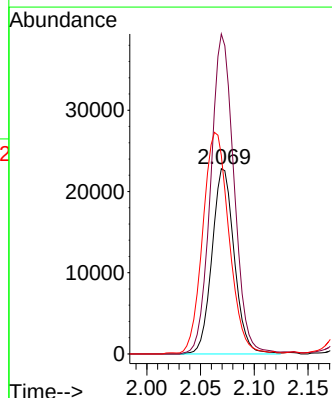
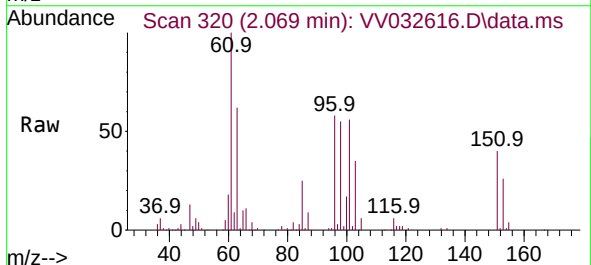
Instrument :
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 ClientSampleId :

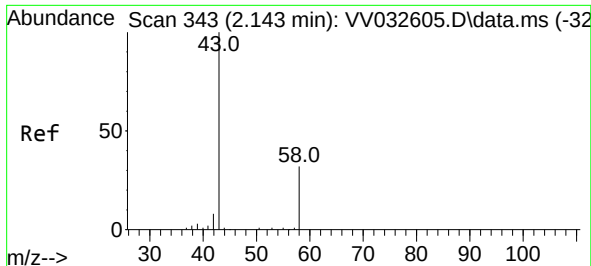
Tgt Ion:101 Resp: 36351
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.0 52.6
 151 72.3 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 4.867 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

Tgt Ion: 96 Resp: 32839
 Ion Ratio Lower Upper
 96 100
 61 172.7 127.3 236.3
 63 107.2 98.3 182.7





#13

Acetone

Concen: 42.682 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.016 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

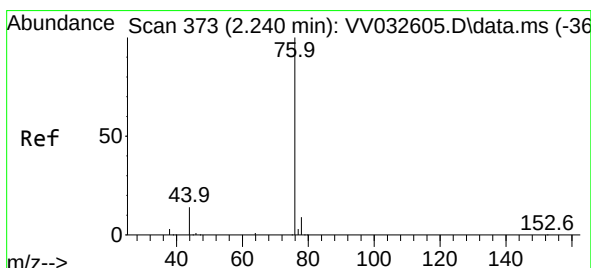
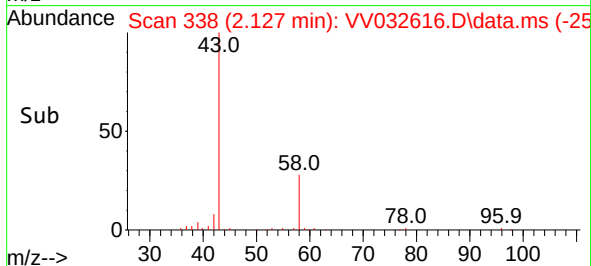
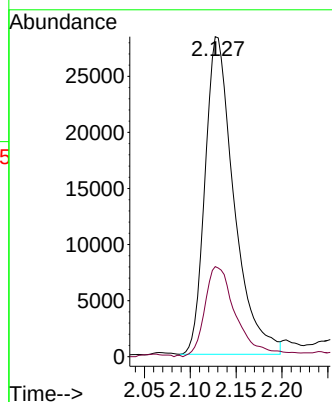
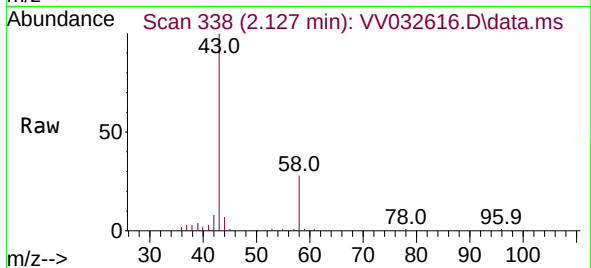
ClientSampleId :

Tgt Ion: 43 Resp: 62267

Ion Ratio Lower Upper

43 100

58 31.1 0.0 66.0



#14

Carbon disulfide

Concen: 3.931 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032616.D

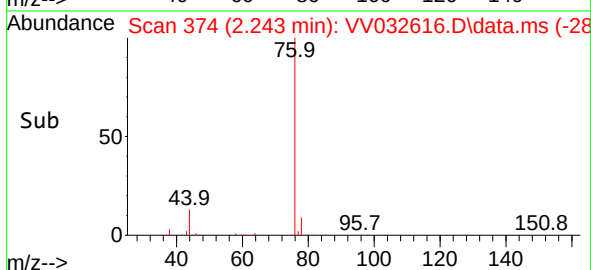
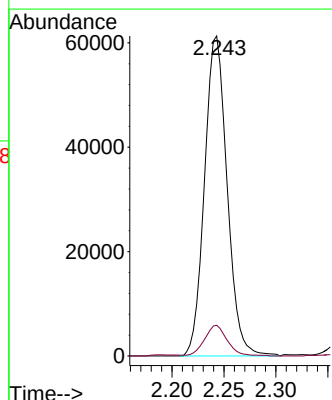
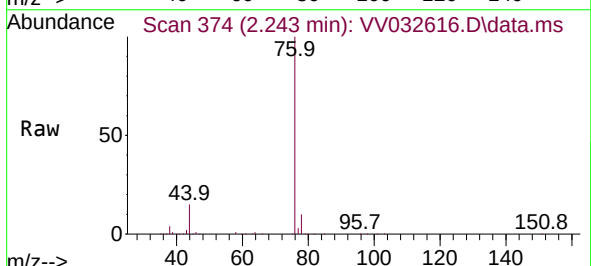
Acq: 25 Oct 2023 02:12

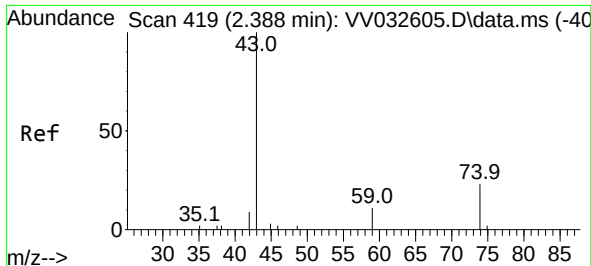
Tgt Ion: 76 Resp: 92713

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

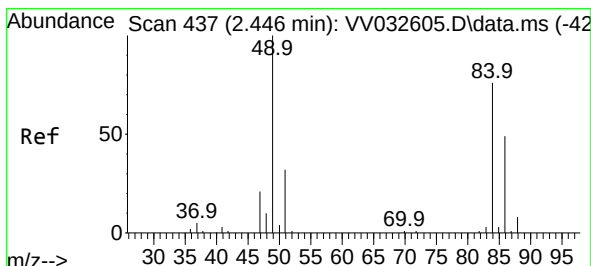
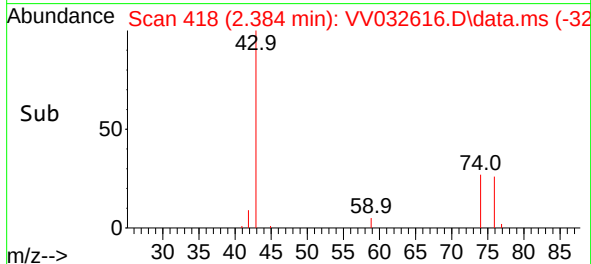
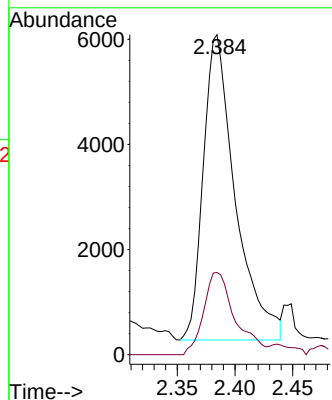
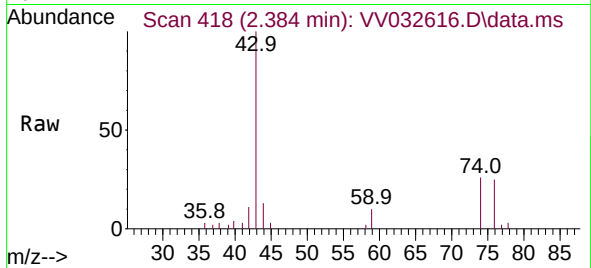




#15
Methyl Acetate
Concen: 3.407 ug/L
RT: 2.384 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

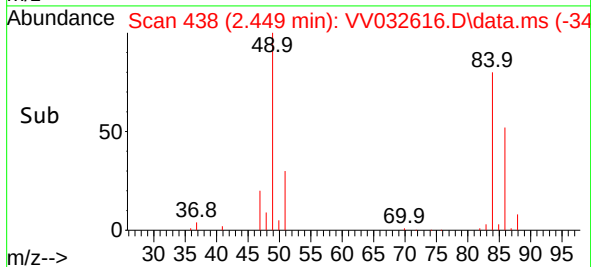
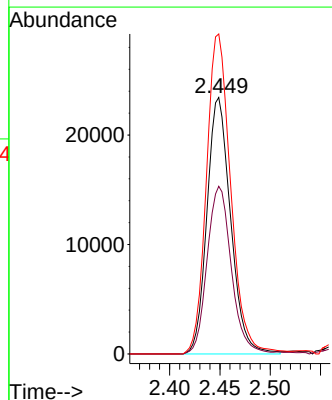
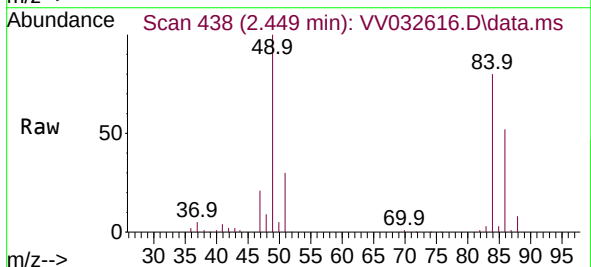
Instrument :
MSVOA_V
ClientSampleId :

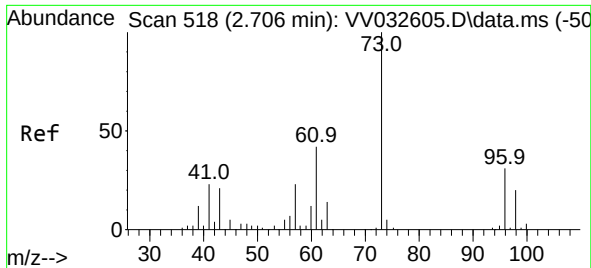
Tgt Ion: 43 Resp: 11189
Ion Ratio Lower Upper
43 100
74 26.4 18.0 27.0



#16
Methylene chloride
Concen: 4.372 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion: 84 Resp: 38457
Ion Ratio Lower Upper
84 100
86 65.4 43.2 80.2
49 124.8 86.3 160.3

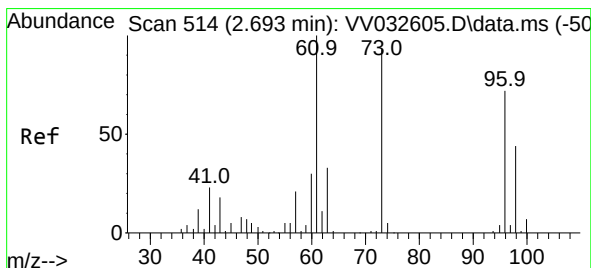
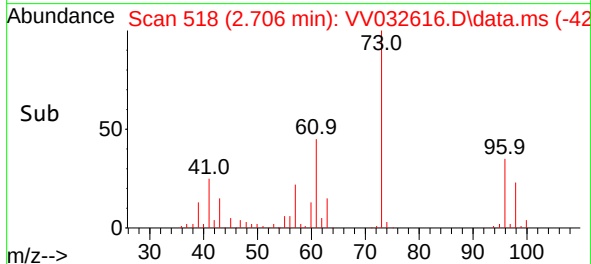
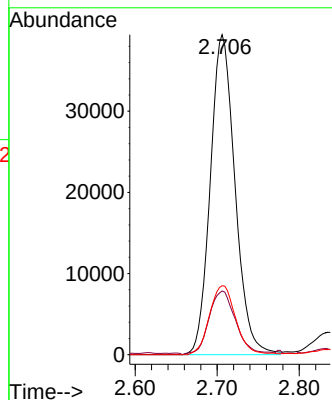
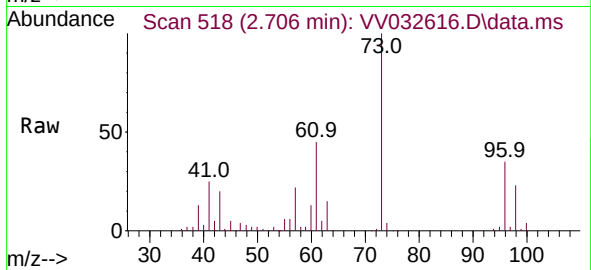




#17
Methyl tert-butyl Ether
Concen: 4.501 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

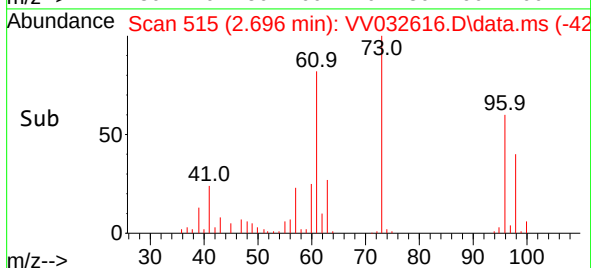
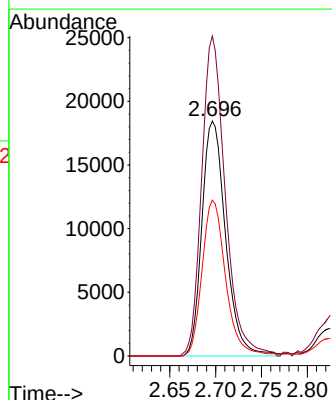
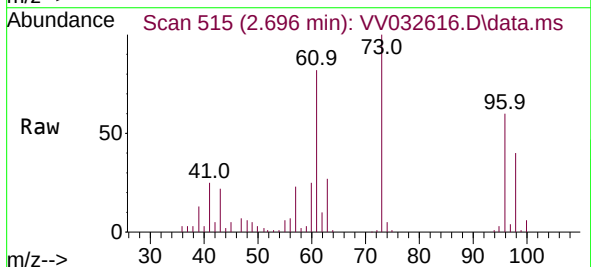
Instrument :
MSVOA_V
ClientSampleId :

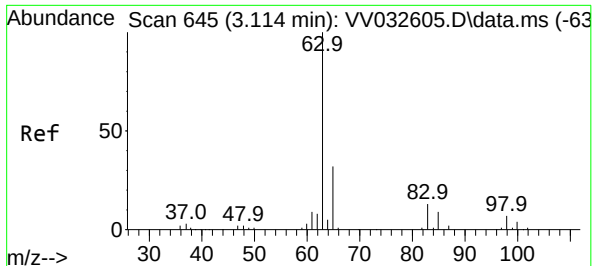
Tgt Ion: 73 Resp: 82675
Ion Ratio Lower Upper
73 100
43 21.7 15.1 22.7
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.302 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

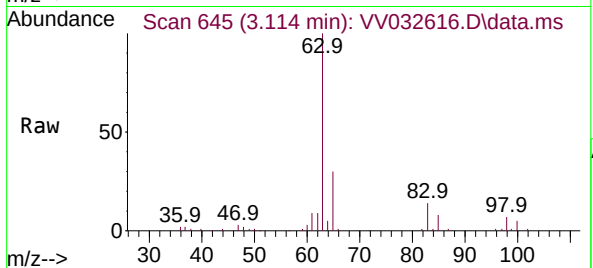
Tgt Ion: 96 Resp: 33246
Ion Ratio Lower Upper
96 100
61 136.3 96.9 180.1
98 66.4 45.3 84.1



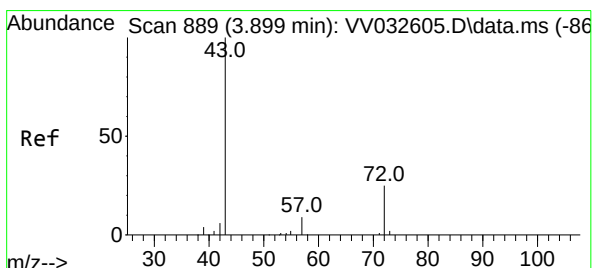
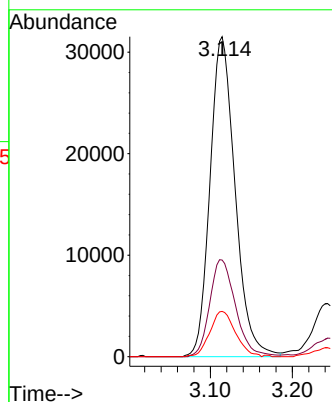
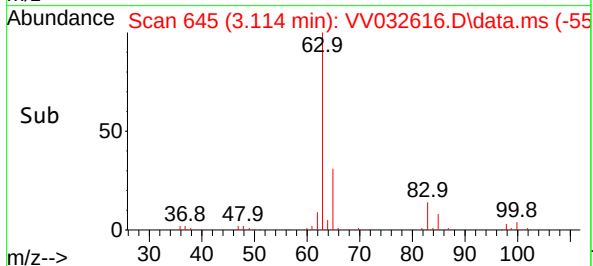


#19
1,1-Dichloroethane
Concen: 4.612 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Instrument :
MSVOA_V
ClientSampleId :

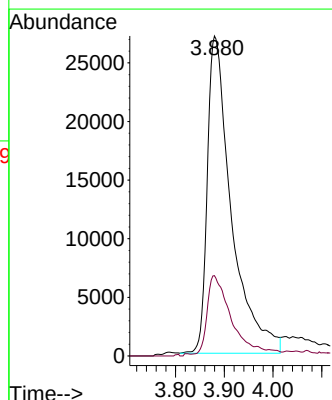
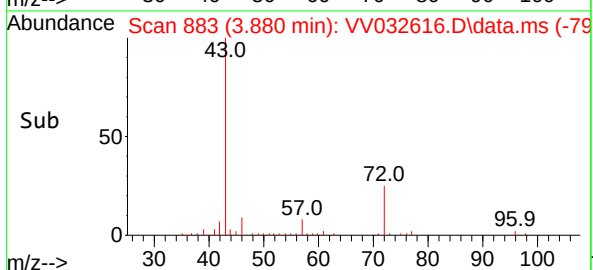
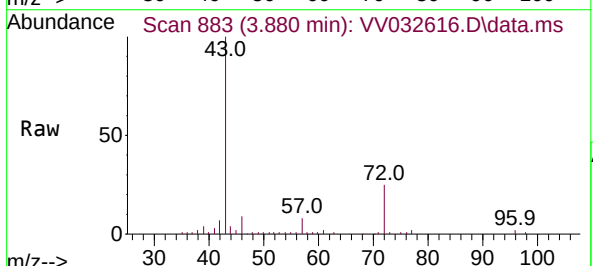


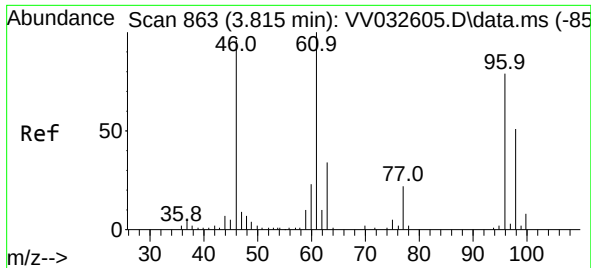
Tgt Ion: 63 Resp: 67057
Ion Ratio Lower Upper
63 100
65 30.2 22.3 41.5
83 14.2 9.0 16.6



#21
2-Butanone
Concen: 40.681 ug/L
RT: 3.880 min Scan# 883
Delta R.T. -0.019 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

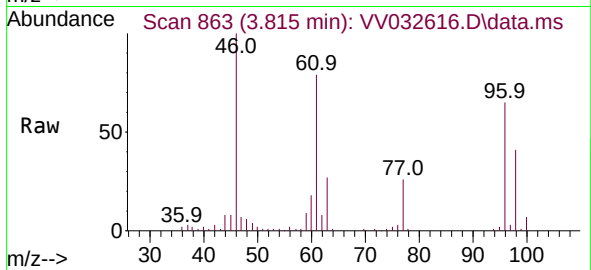
Tgt Ion: 43 Resp: 92809
Ion Ratio Lower Upper
43 100
72 23.9 11.6 34.8





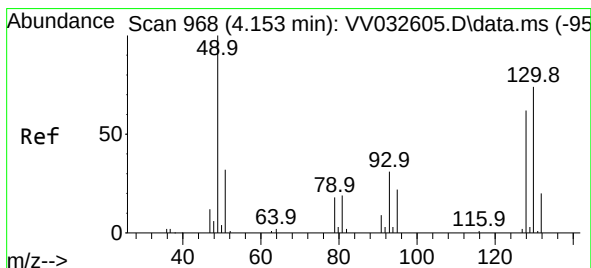
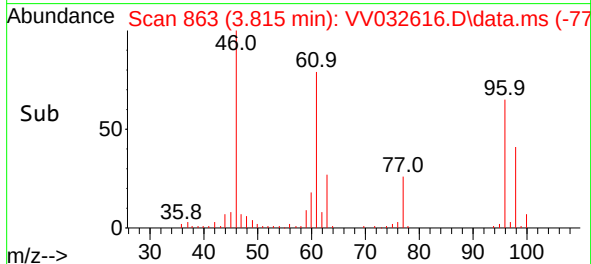
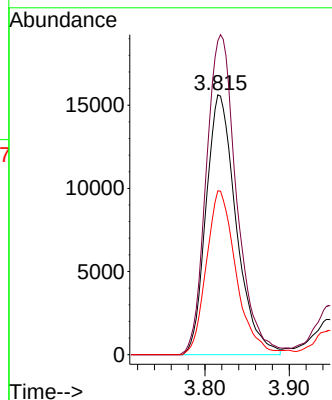
#22
 cis-1,2-Dichloroethene
 Concen: 4.665 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 38818

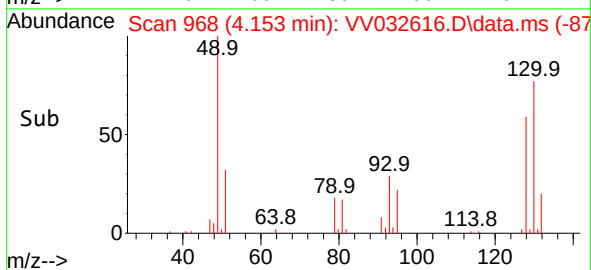
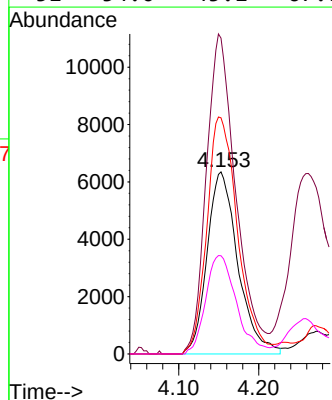
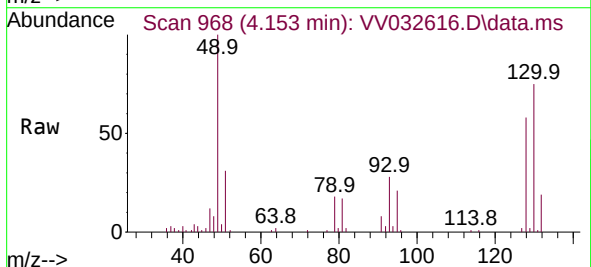
Ion	Ratio	Lower	Upper
96	100		
61	120.8	85.8	159.4
98	63.1	44.0	81.6

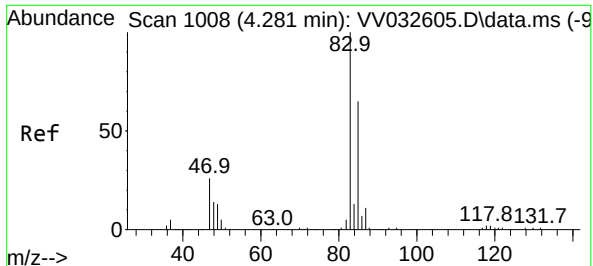


#23
 Bromochloromethane
 Concen: 4.853 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

Tgt Ion: 128 Resp: 16990

Ion	Ratio	Lower	Upper
128	100		
49	173.5	121.2	225.0
130	129.7	88.2	163.8
51	54.0	45.1	67.7





#25

Chloroform

Concen: 5.046 ug/L

RT: 4.278 min Scan# 1008

Delta R.T. -0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

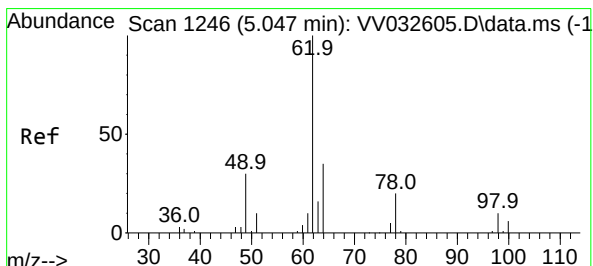
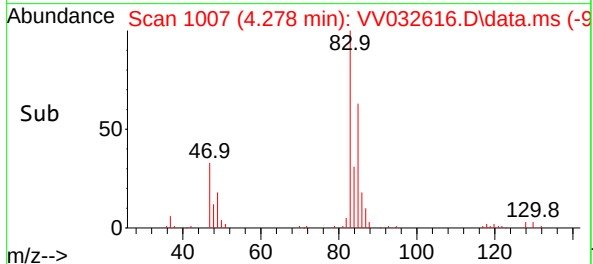
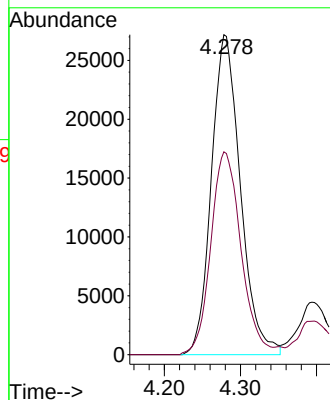
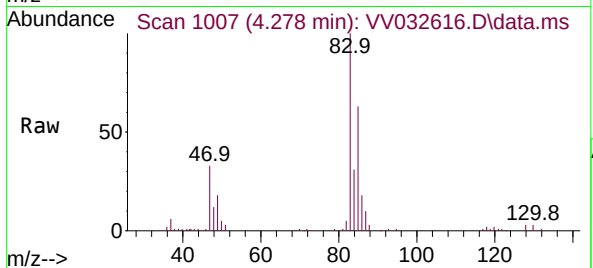
ClientSampleId :

Tgt Ion: 83 Resp: 71975

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.283 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV032616.D

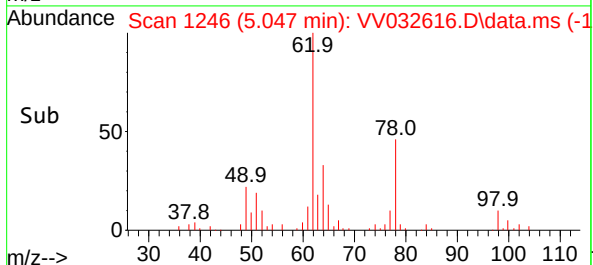
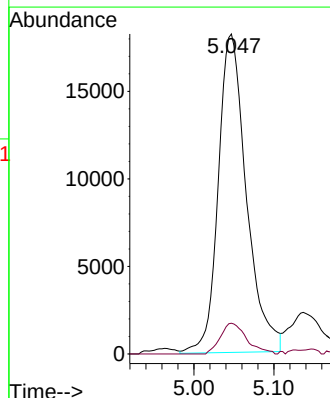
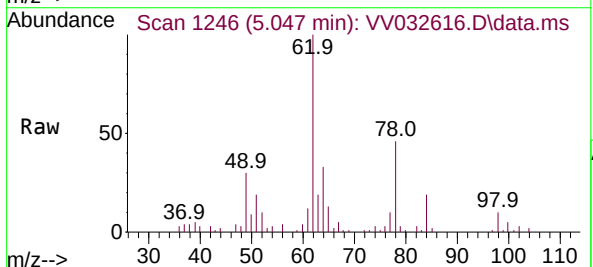
Acq: 25 Oct 2023 02:12

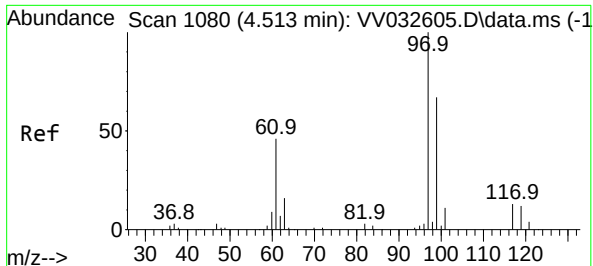
Tgt Ion: 62 Resp: 44522

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.243 ug/L

RT: 4.513 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

ClientSampleId :

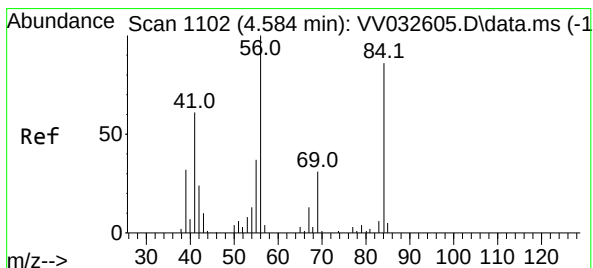
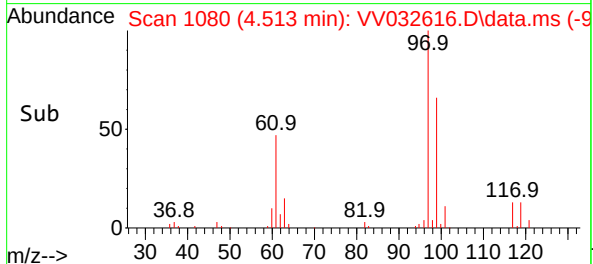
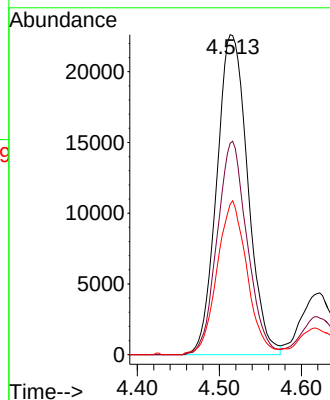
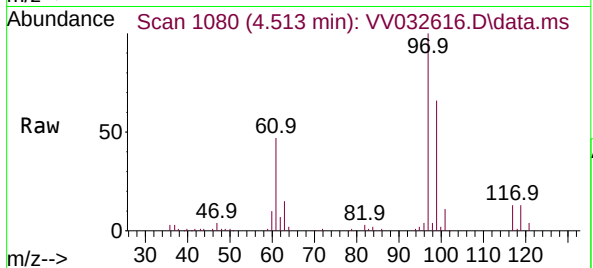
Tgt Ion: 97 Resp: 59435

Ion Ratio Lower Upper

97 100

99 64.5 50.1 75.1

61 46.5 35.1 52.7



#30

Cyclohexane

Concen: 3.169 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

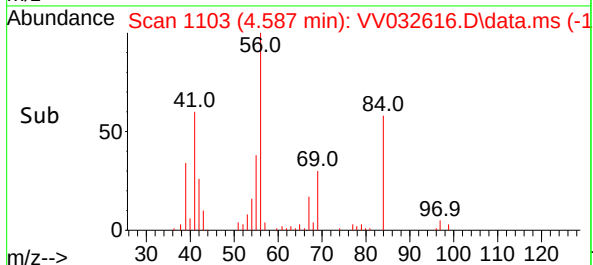
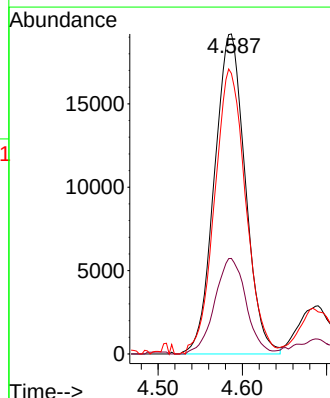
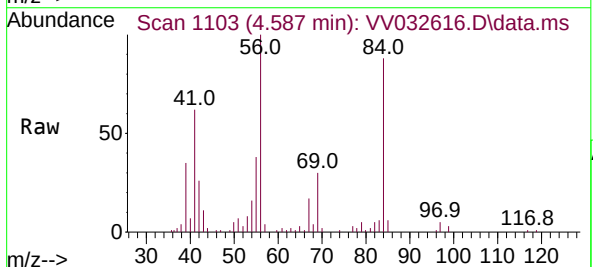
Tgt Ion: 56 Resp: 48787

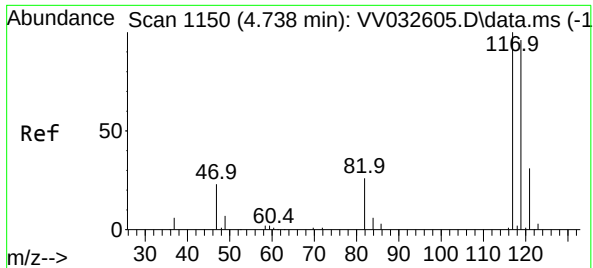
Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 89.7 68.1 102.1

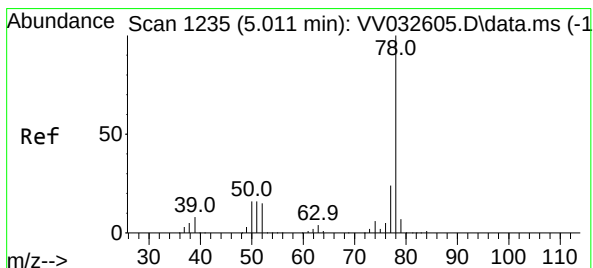
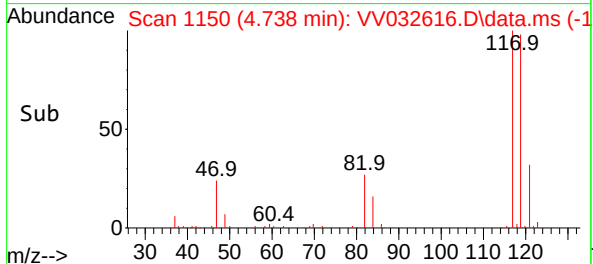
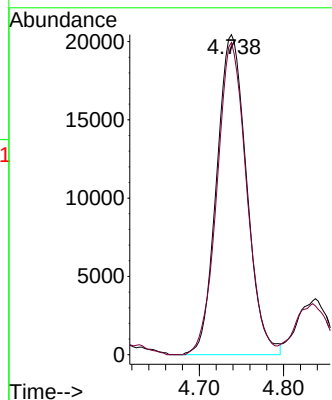
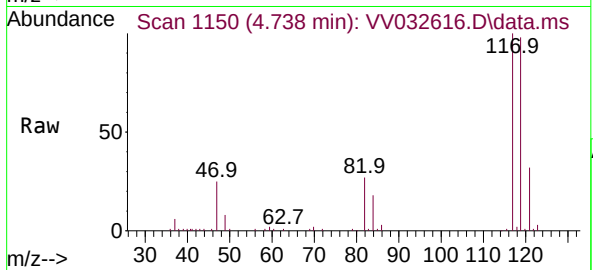




#31
Carbon tetrachloride
Concen: 4.253 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

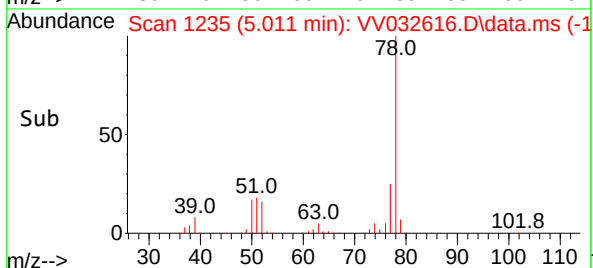
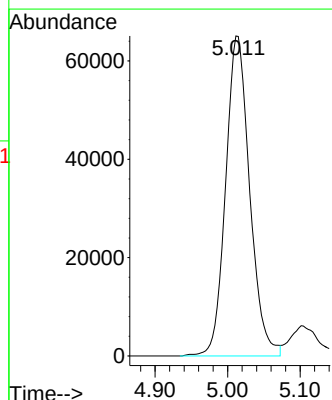
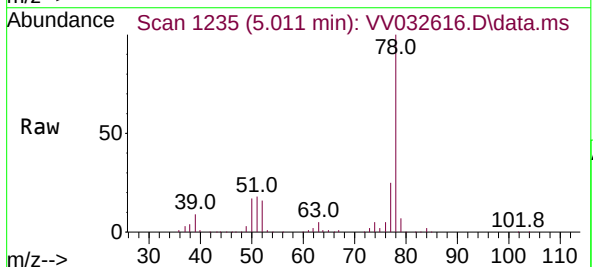
Instrument :
MSVOA_V
ClientSampleId :

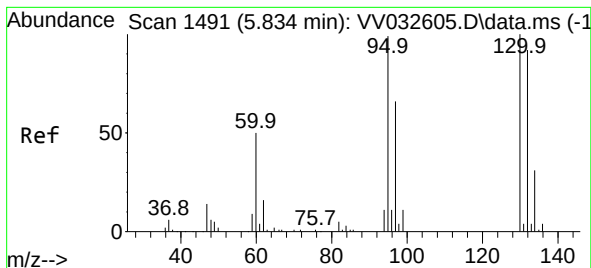
Tgt Ion:117 Resp: 50412
Ion Ratio Lower Upper
117 100
119 96.0 77.6 116.4



#33
Benzene
Concen: 4.141 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion: 78 Resp: 150198





#34

Trichloroethene

Concen: 3.752 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 37151

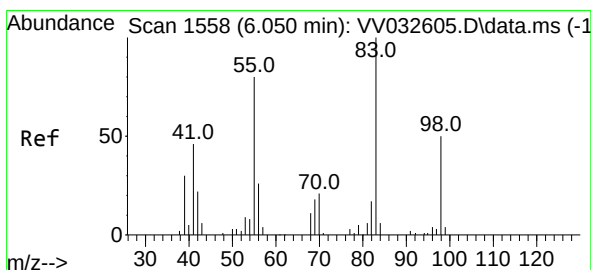
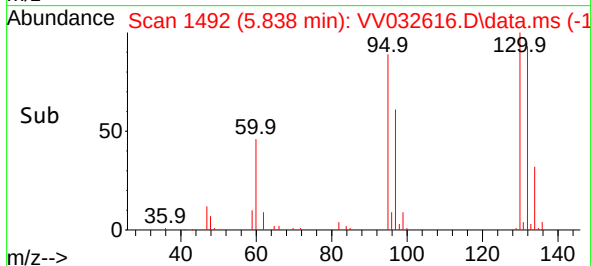
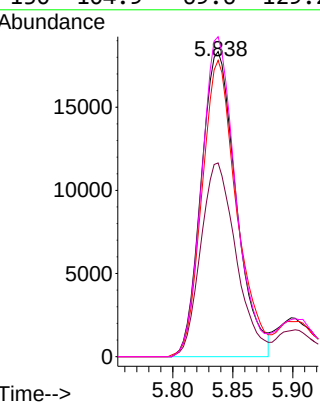
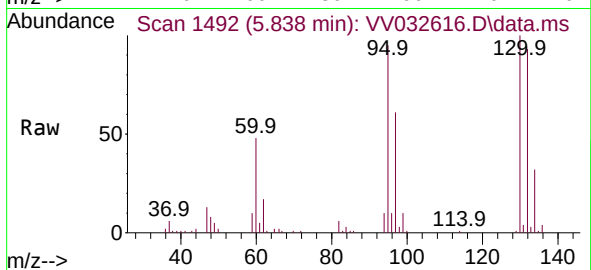
Ion Ratio Lower Upper

95 100

97 63.5 45.7 84.9

132 97.1 70.3 130.5

130 104.9 69.6 129.2



#35

Methylcyclohexane

Concen: 3.615 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

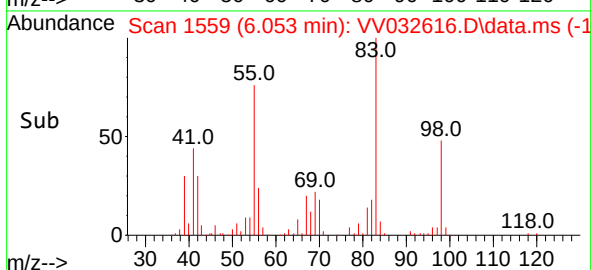
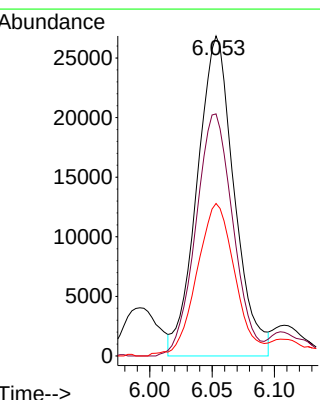
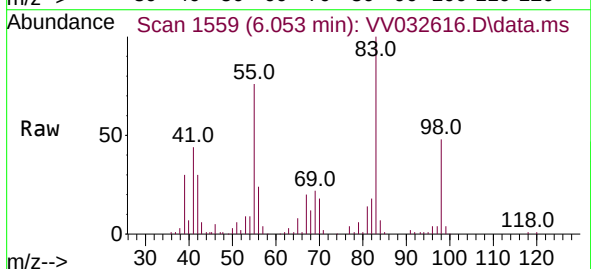
Tgt Ion: 83 Resp: 55395

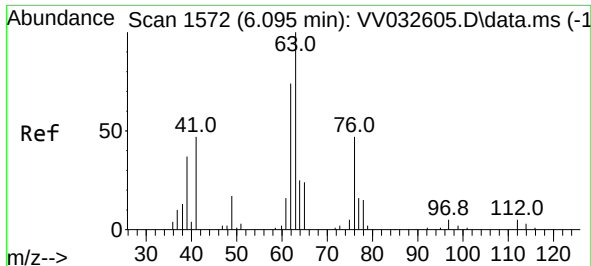
Ion Ratio Lower Upper

83 100

55 76.3 64.2 96.2

98 48.9 39.6 59.4





#37

1,2-Dichloropropane

Concen: 3.709 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

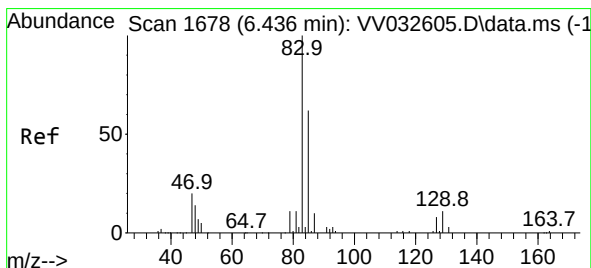
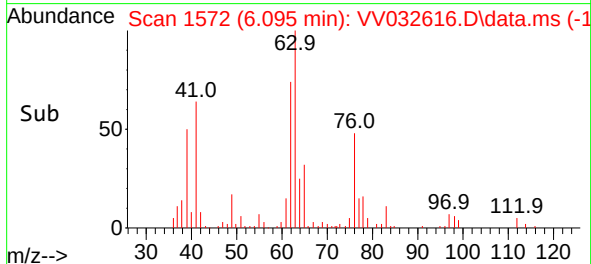
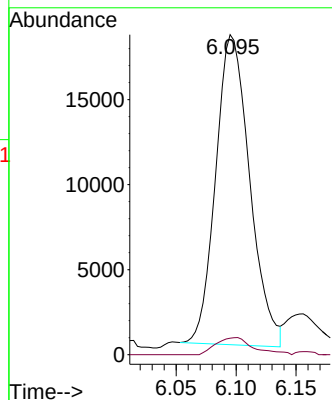
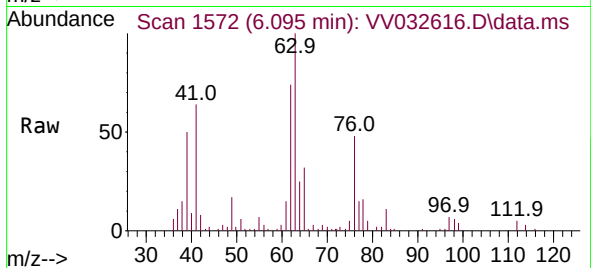
ClientSampleId :

Tgt Ion: 63 Resp: 35980

Ion Ratio Lower Upper

63 100

112 6.0 3.4 5.2#



#38

Bromodichloromethane

Concen: 4.274 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

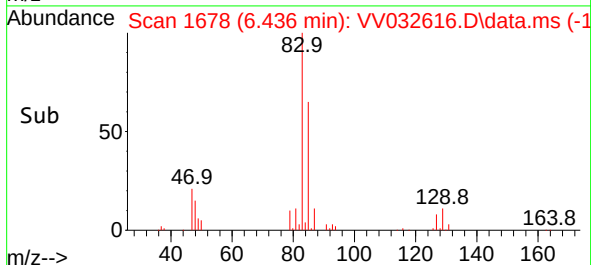
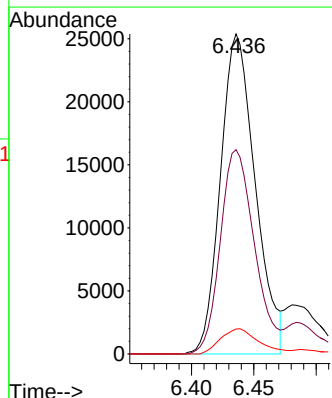
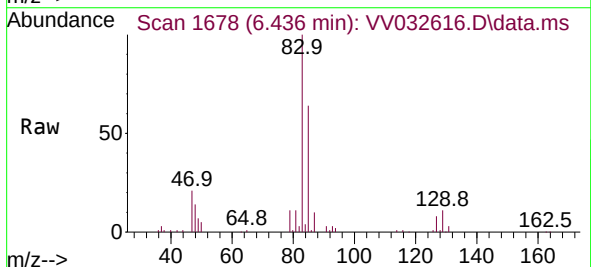
Tgt Ion: 83 Resp: 49263

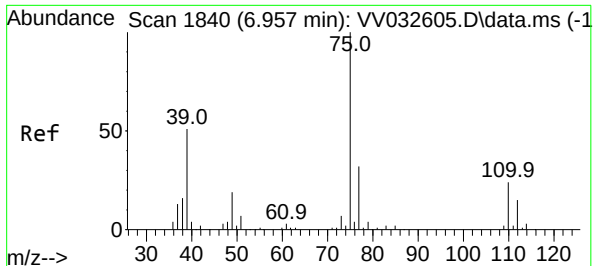
Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.3

127 7.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.033 ug/L

RT: 6.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

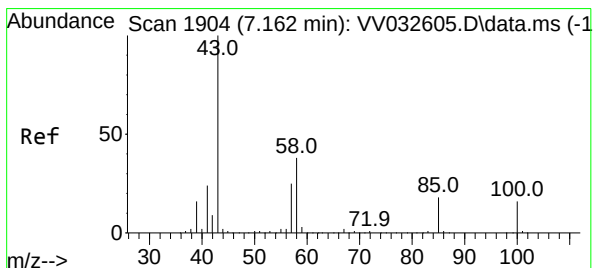
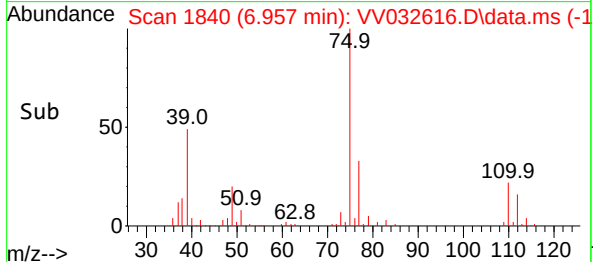
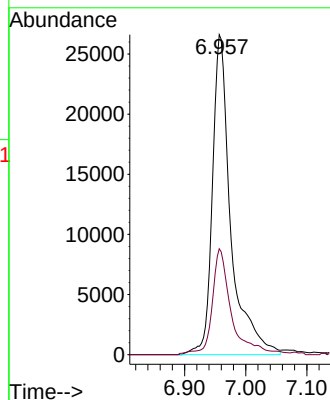
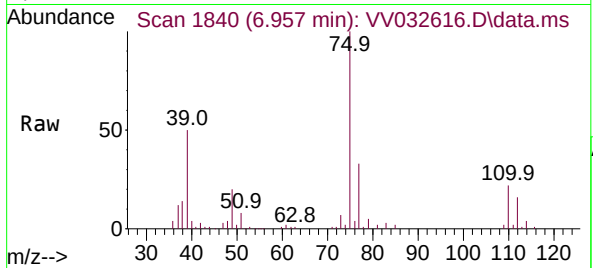
ClientSampleId :

Tgt Ion: 75 Resp: 55679

Ion Ratio Lower Upper

75 100

77 33.1 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 41.274 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

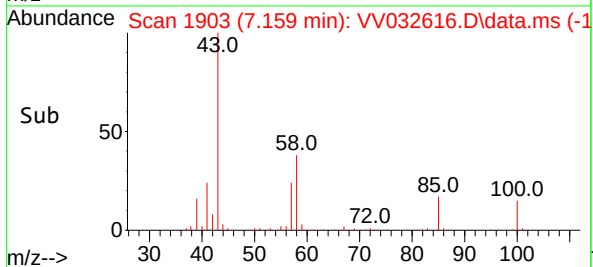
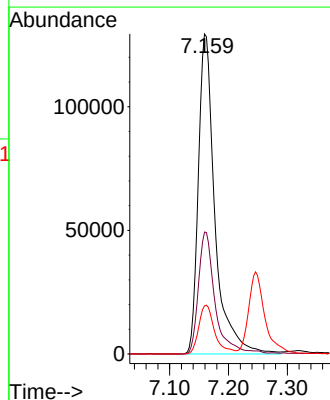
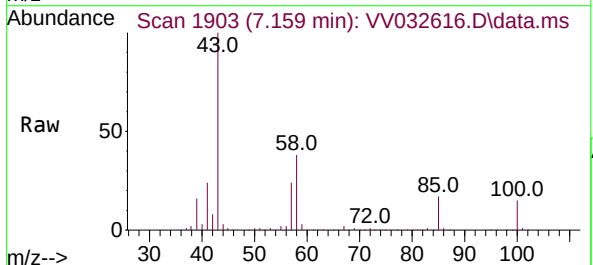
Tgt Ion: 43 Resp: 253378

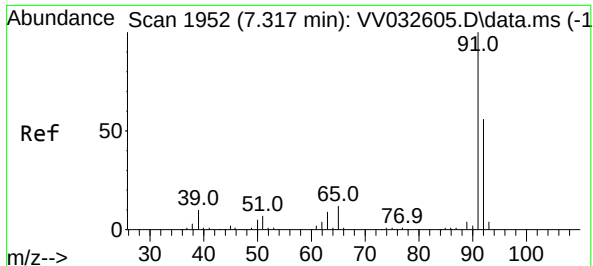
Ion Ratio Lower Upper

43 100

58 38.4 31.9 47.9

100 14.7 11.3 16.9





#42

Toluene

Concen: 4.572 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

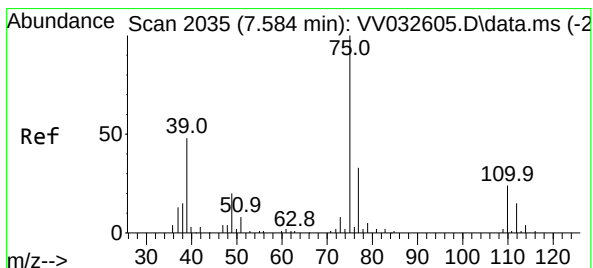
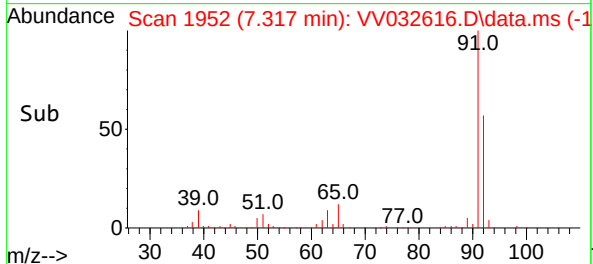
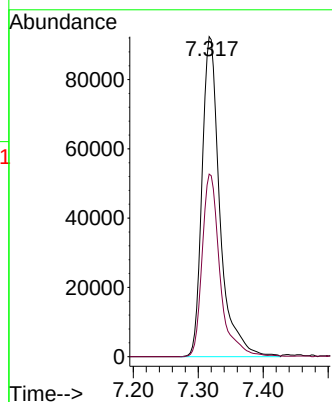
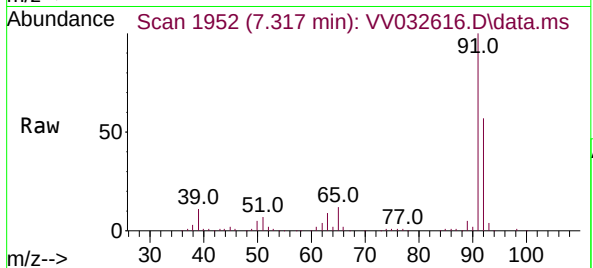
ClientSampleId :

Tgt Ion: 91 Resp: 176785

Ion Ratio Lower Upper

91 100

92 57.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.314 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032616.D

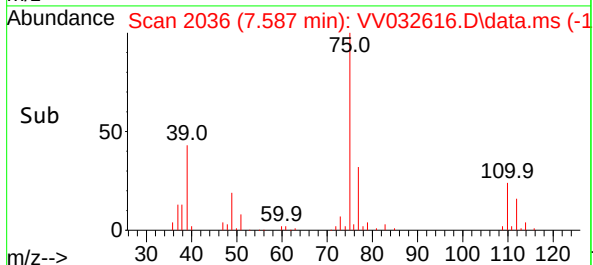
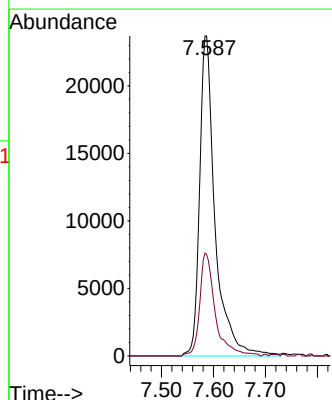
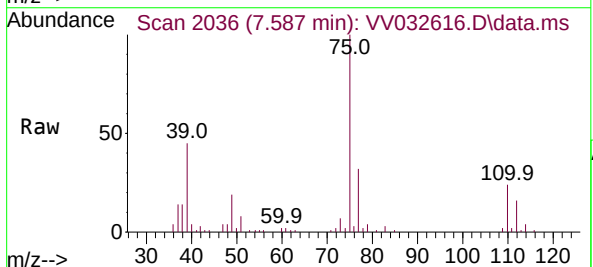
Acq: 25 Oct 2023 02:12

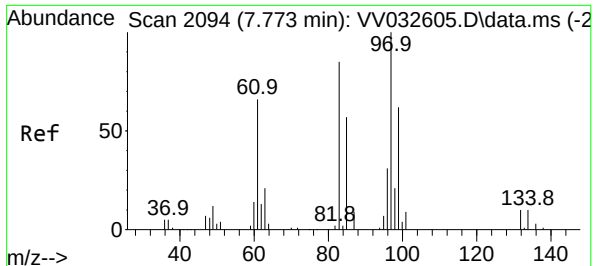
Tgt Ion: 75 Resp: 48944

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.688 ug/L

RT: 7.770 min Scan# 2094

Delta R.T. -0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 32080

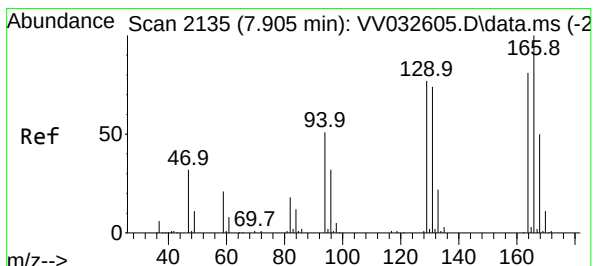
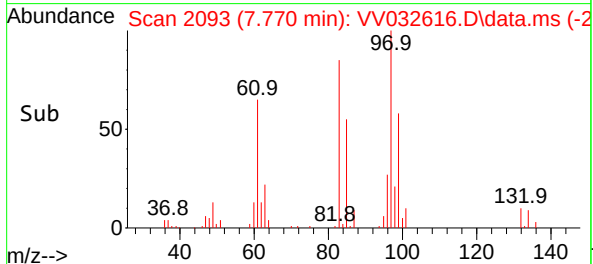
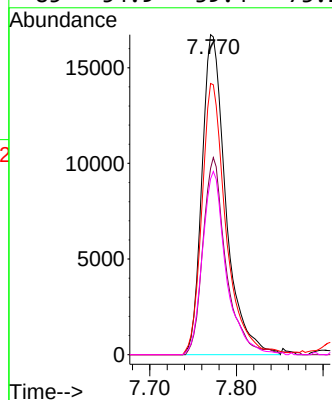
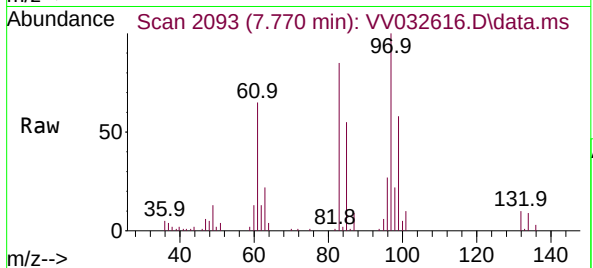
Ion Ratio Lower Upper

97 100

99 58.3 42.8 79.4

83 84.8 60.9 113.1

85 54.9 39.4 73.2



#47

Tetrachloroethene

Concen: 4.334 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Tgt Ion:164 Resp: 32543

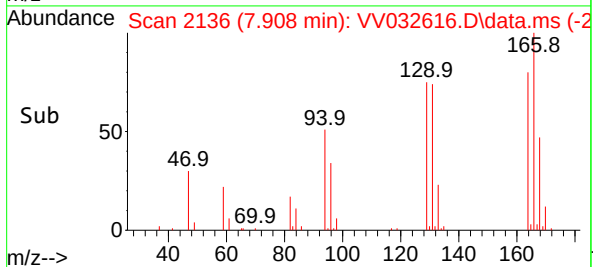
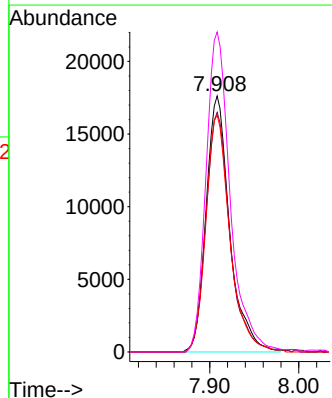
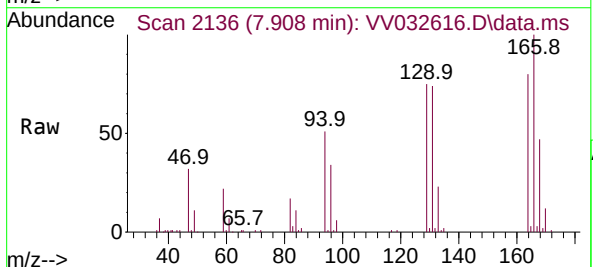
Ion Ratio Lower Upper

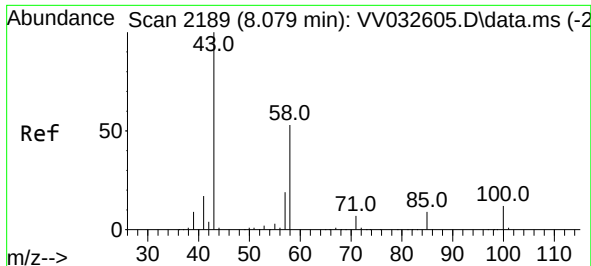
164 100

129 93.6 66.4 123.4

131 92.6 63.7 118.3

166 125.0 87.9 163.3

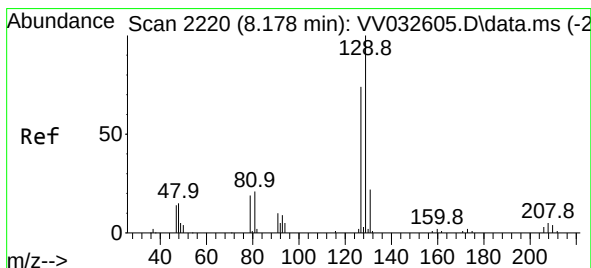
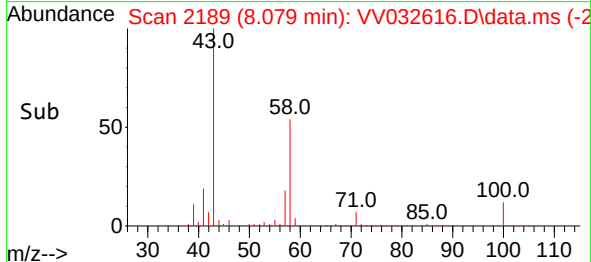
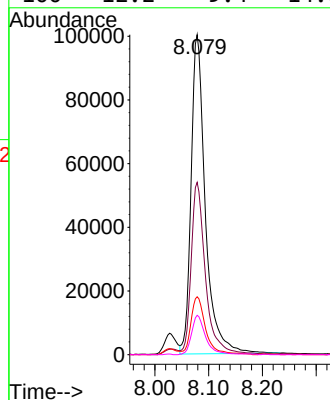
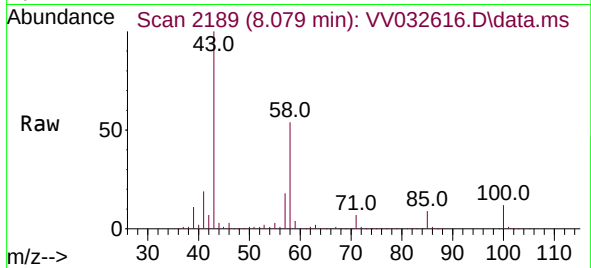




#48
2-Hexanone
Concen: 42.590 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

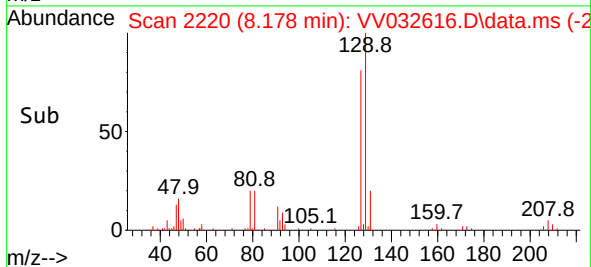
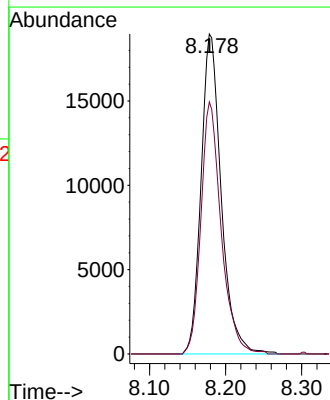
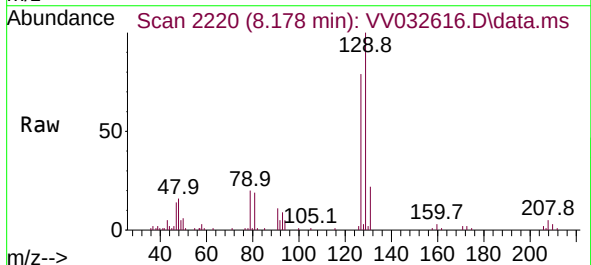
Instrument :
MSVOA_V
ClientSampleId :

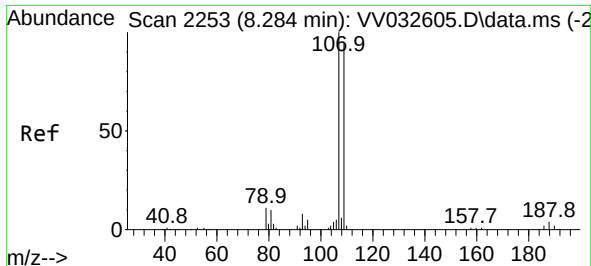
Tgt Ion: 43 Resp: 184471
Ion Ratio Lower Upper
43 100
58 53.4 43.6 65.4
57 18.9 14.6 22.0
100 12.2 9.4 14.0



#49
Dibromochloromethane
Concen: 4.905 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion: 129 Resp: 34947
Ion Ratio Lower Upper
129 100
127 78.8 57.2 106.2





#50

1,2-Dibromoethane

Concen: 4.387 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.000 min

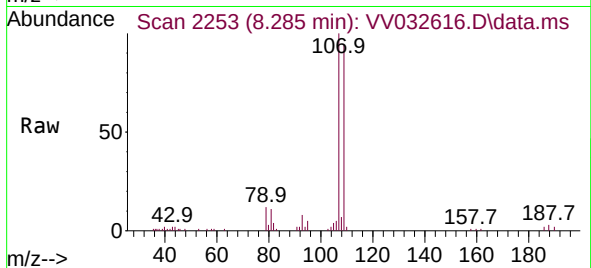
Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

ClientSampleId :



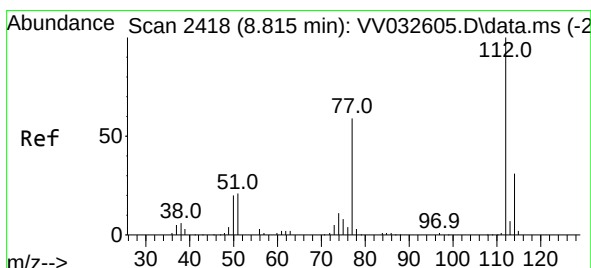
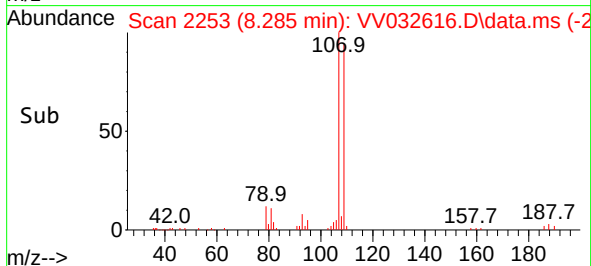
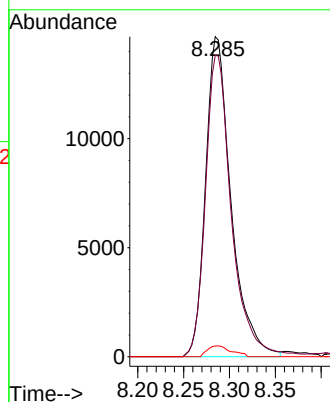
Tgt Ion:107 Resp: 28395

Ion Ratio Lower Upper

107 100

109 94.2 68.4 127.0

188 3.3 3.2 4.8



#51

Chlorobenzene

Concen: 4.519 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

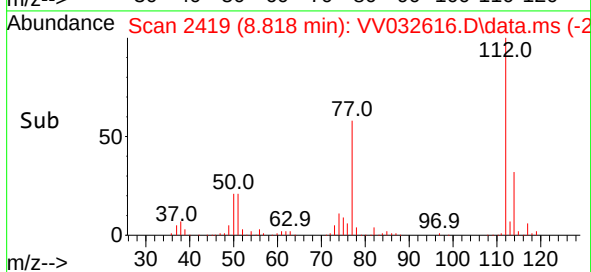
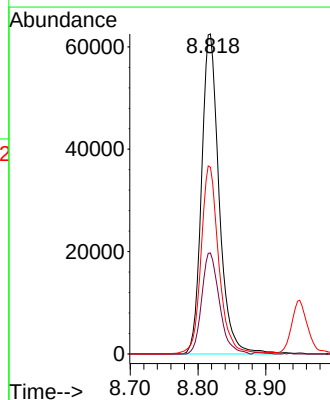
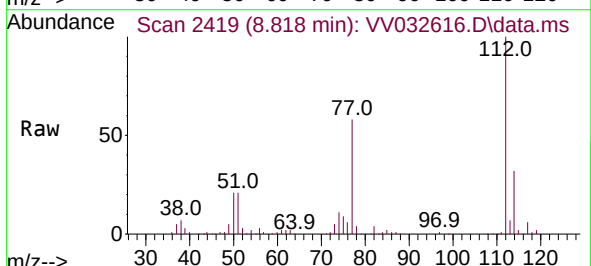
Tgt Ion:112 Resp: 112502

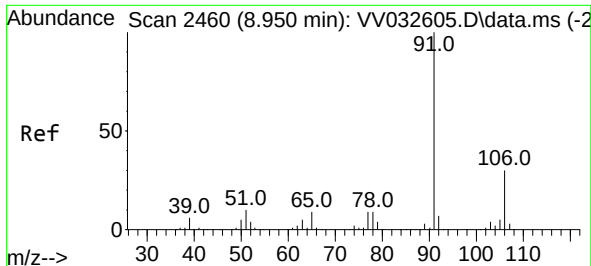
Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

77 58.4 46.1 69.1

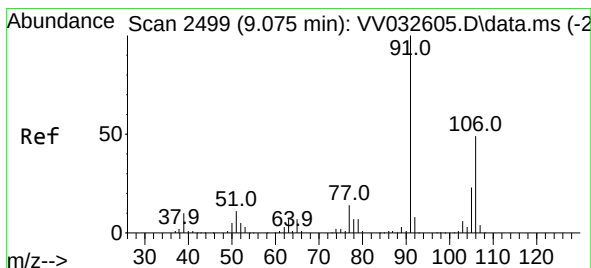
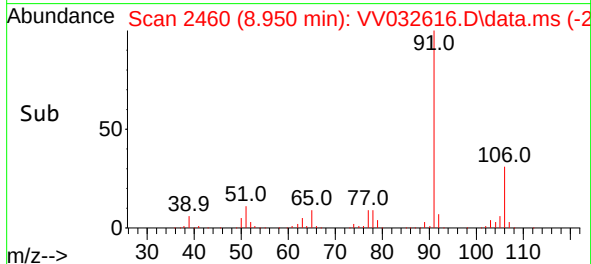
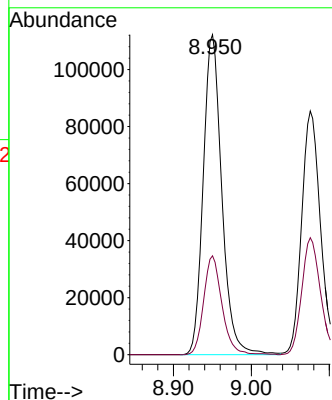
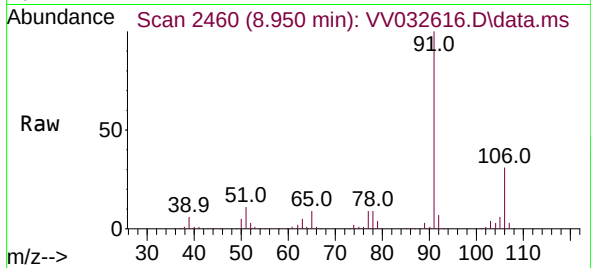




#52
Ethylbenzene
Concen: 4.320 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

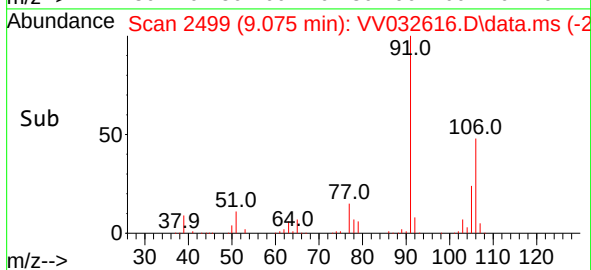
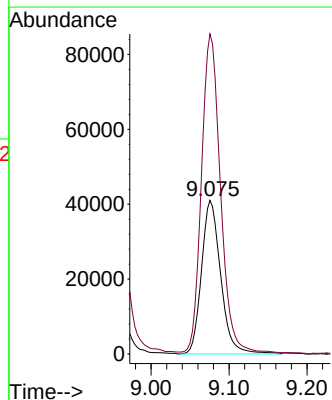
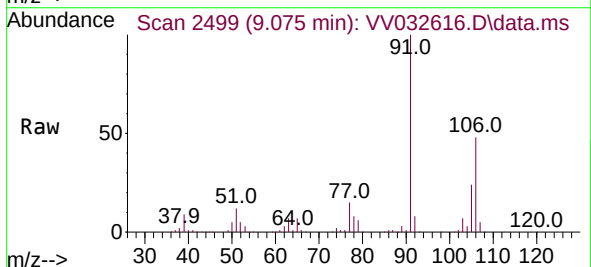
Instrument :
MSVOA_V
ClientSampleId :

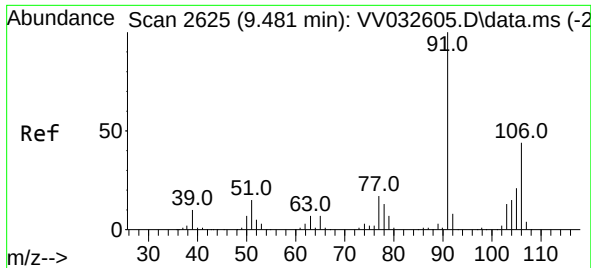
Tgt Ion: 91 Resp: 186000
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.5



#53
m,p-Xylene
Concen: 4.393 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion: 106 Resp: 70154
Ion Ratio Lower Upper
106 100
91 208.4 144.5 268.3

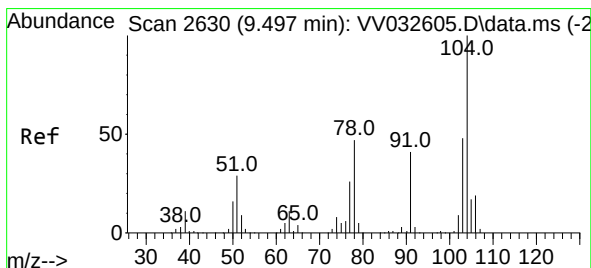
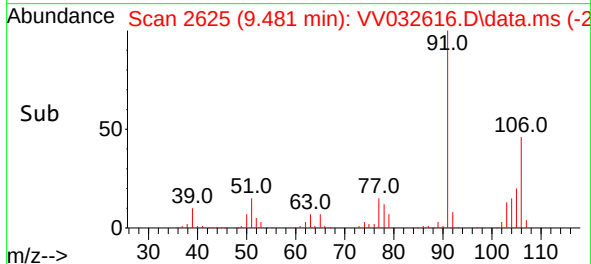
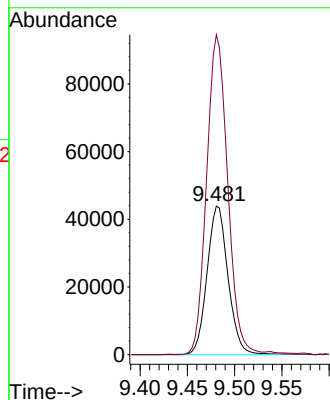
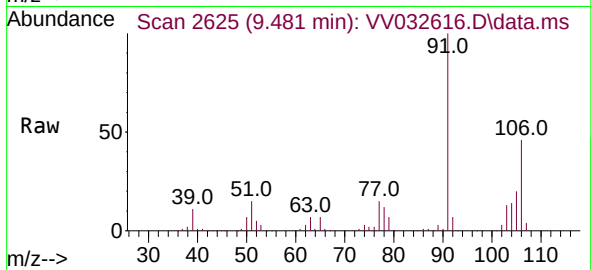




#54
o-Xylene
Concen: 4.401 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

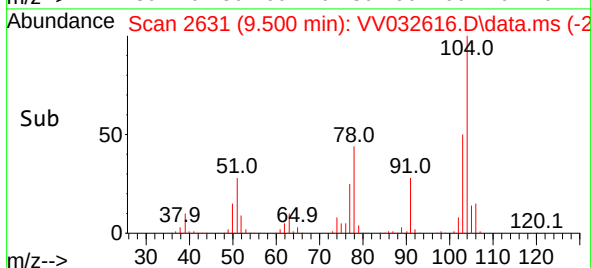
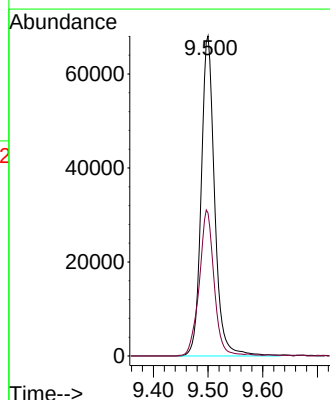
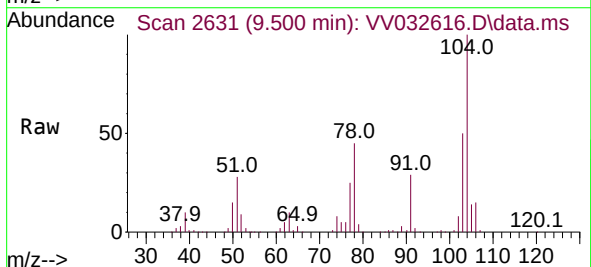
Instrument :
MSVOA_V
ClientSampleId :

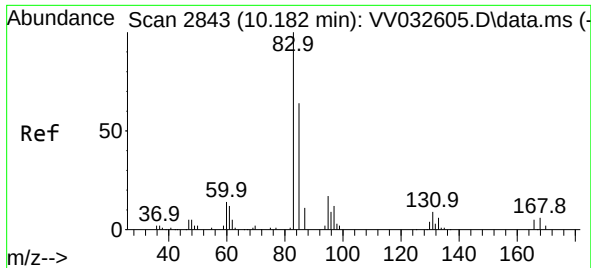
Tgt Ion:106 Resp: 67722
Ion Ratio Lower Upper
106 100
91 215.4 154.8 287.4



#55
Styrene
Concen: 4.479 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion:104 Resp: 116386
Ion Ratio Lower Upper
104 100
78 44.7 29.9 55.5

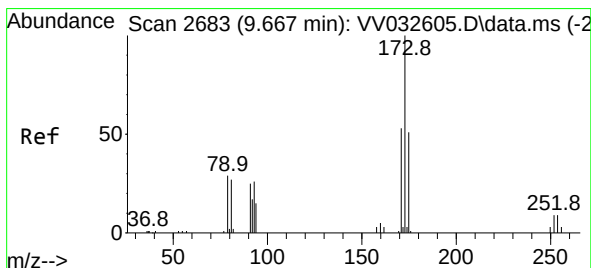
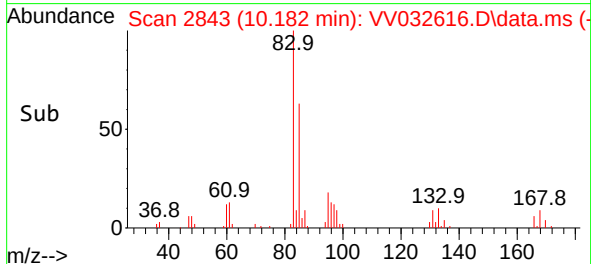
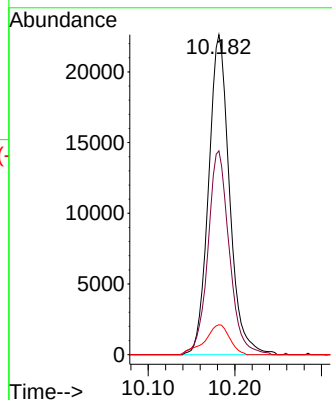
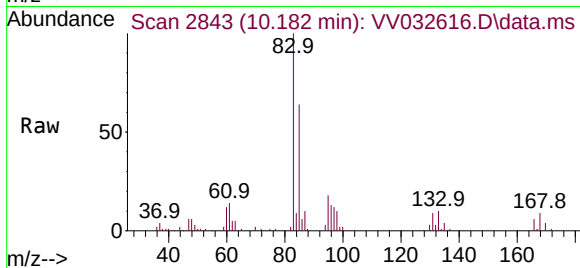




#57
1,1,2,2-Tetrachloroethane
Concen: 5.039 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

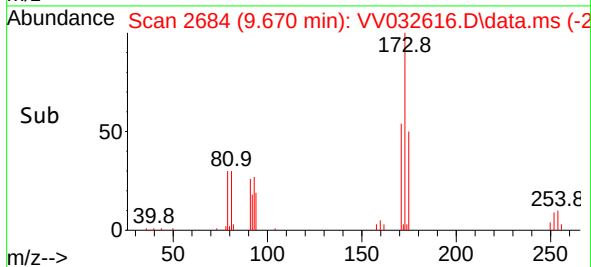
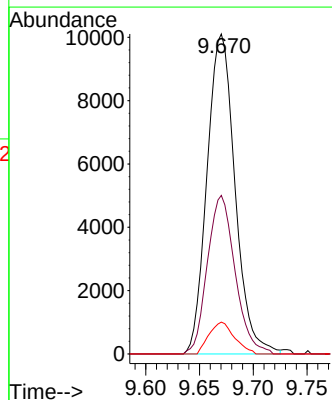
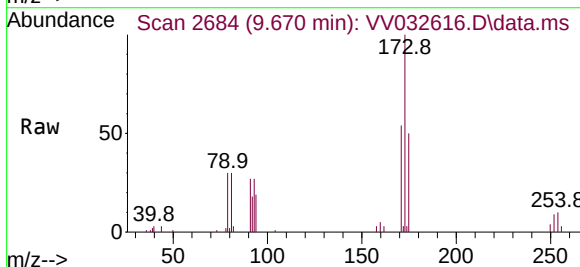
Instrument :
MSVOA_V
ClientSampleId :

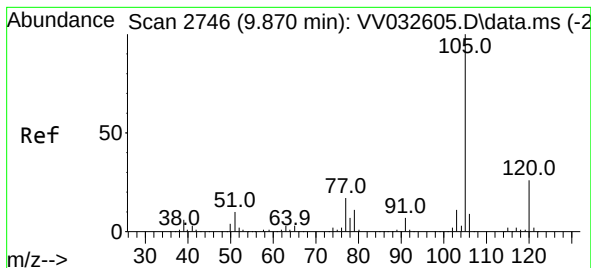
Tgt Ion:	83	Resp:	37945
Ion	Ratio	Lower	Upper
83	100		
85	63.7	43.6	81.0
131	9.3	7.0	10.6



#59
Bromoform
Concen: 4.638 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion:	173	Resp:	18314
Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.2	57.2
254	9.0	7.0	10.4





#60

Isopropylbenzene

Concen: 4.360 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

ClientSampleId :

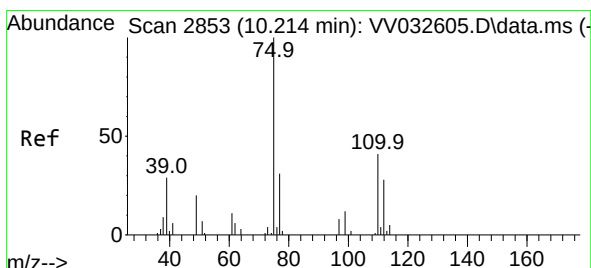
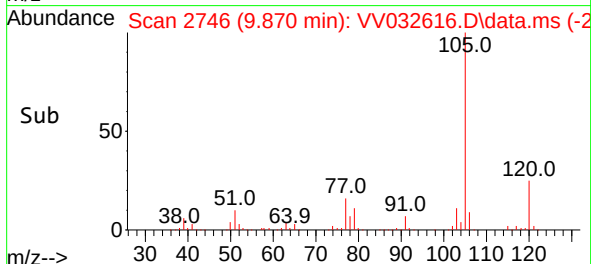
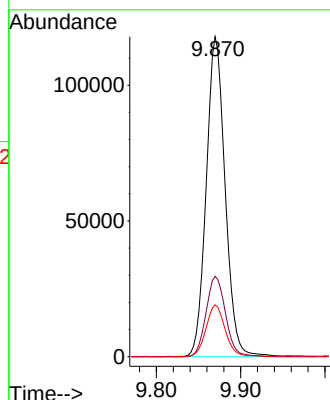
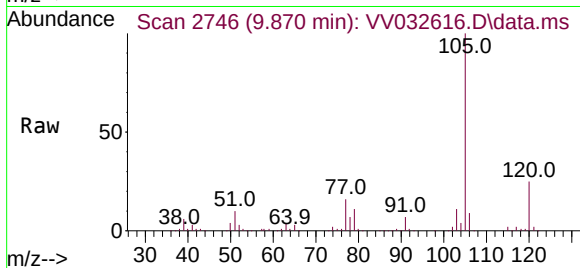
Tgt Ion:105 Resp: 183991

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

77 16.6 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.442 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

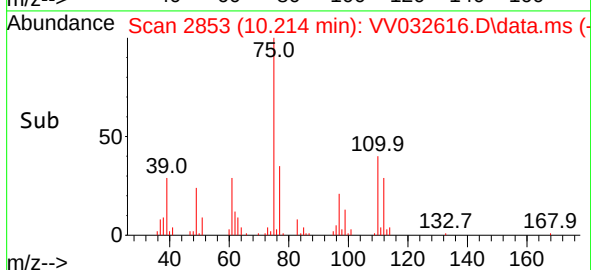
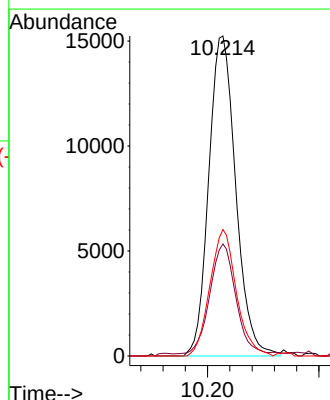
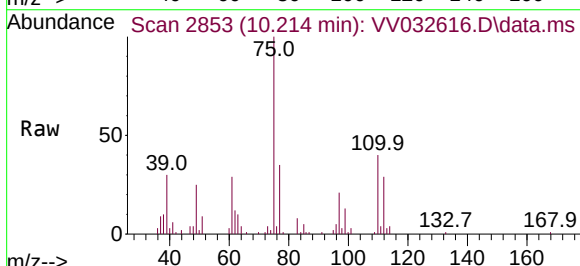
Tgt Ion: 75 Resp: 25669

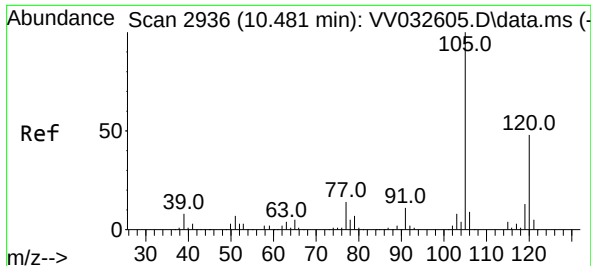
Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2

110 38.7 30.6 46.0

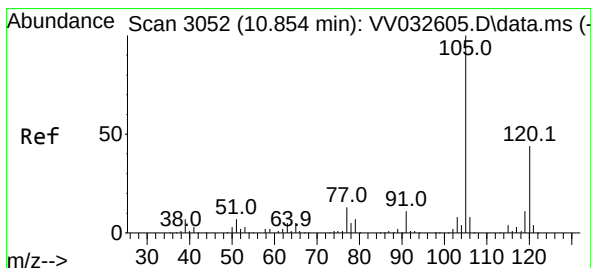
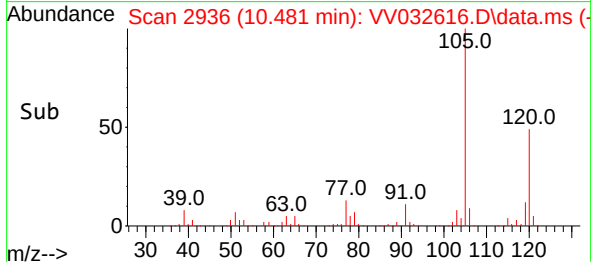
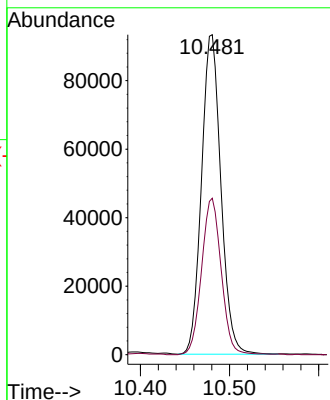
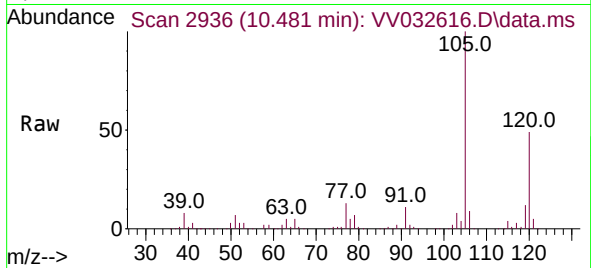




#62
 1,3,5-Trimethylbenzene
 Concen: 4.100 ug/L
 RT: 10.481 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

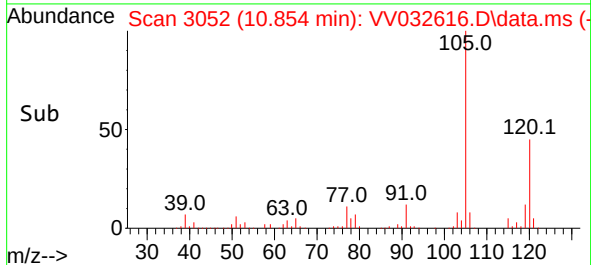
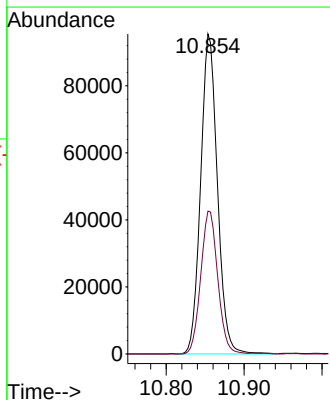
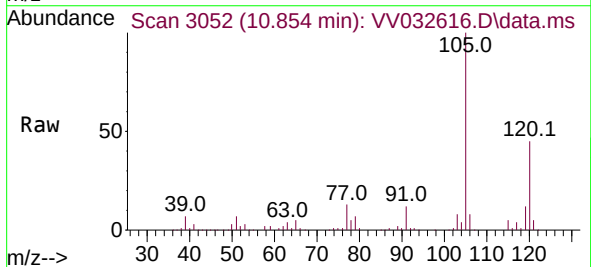
Instrument :
 MSVOA_V
 ClientSampleId :

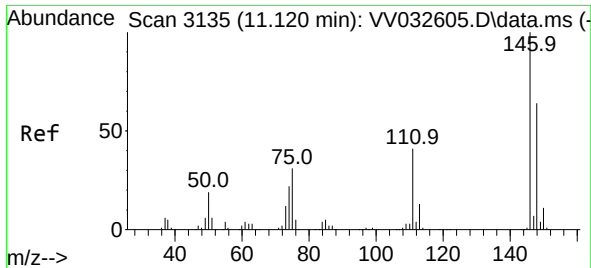
Tgt Ion:105 Resp: 141015
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.9 59.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.166 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

Tgt Ion:105 Resp: 142664
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.4

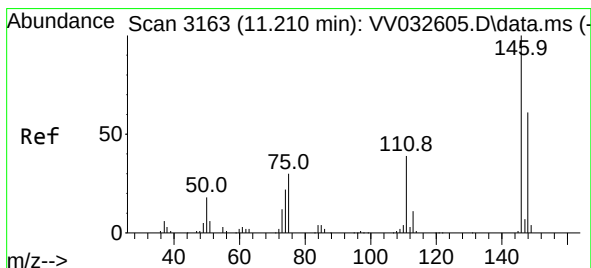
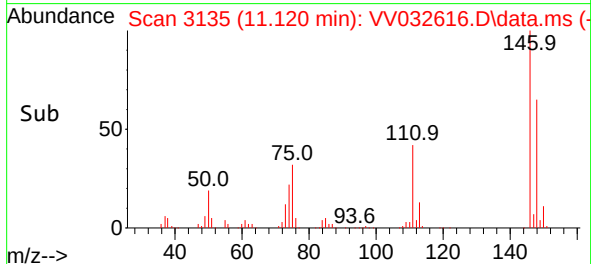
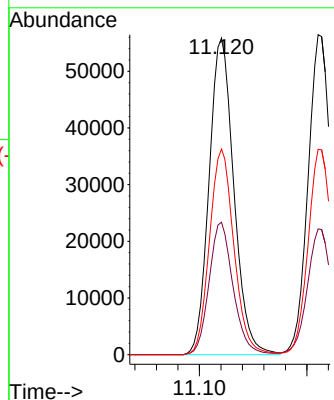
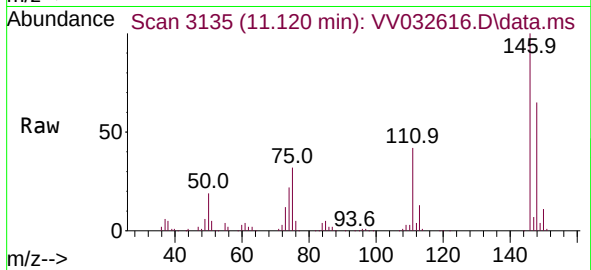




#64
1,3-Dichlorobenzene
Concen: 4.434 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

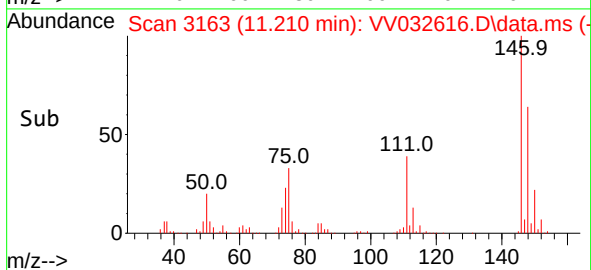
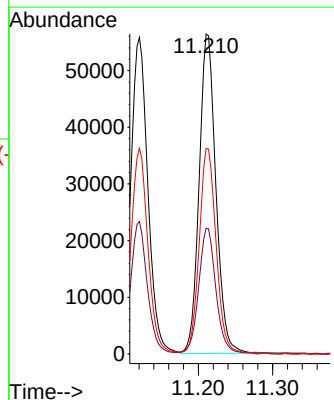
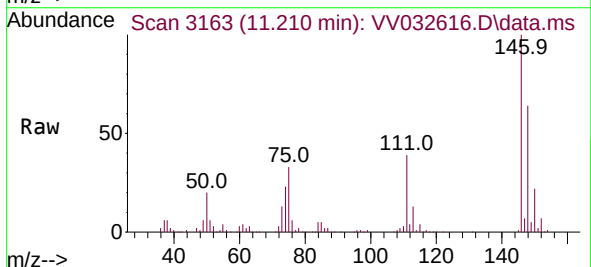
Instrument :
MSVOA_V
ClientSampleId :

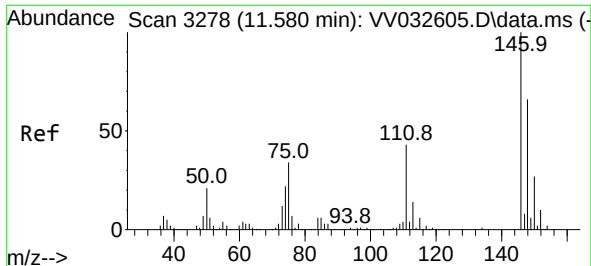
Tgt Ion:146 Resp: 89383
Ion Ratio Lower Upper
146 100
111 41.8 27.8 51.6
148 65.0 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.379 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion:146 Resp: 88565
Ion Ratio Lower Upper
146 100
111 39.3 26.9 49.9
148 64.2 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.524 ug/L

RT: 11.583 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

Instrument :

MSVOA_V

ClientSampleId :

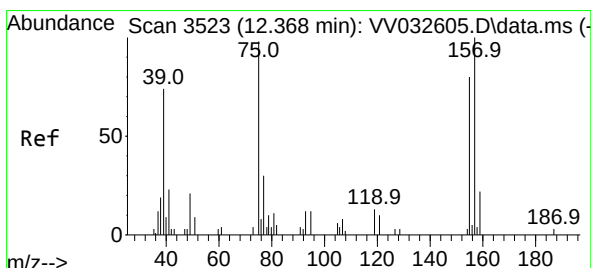
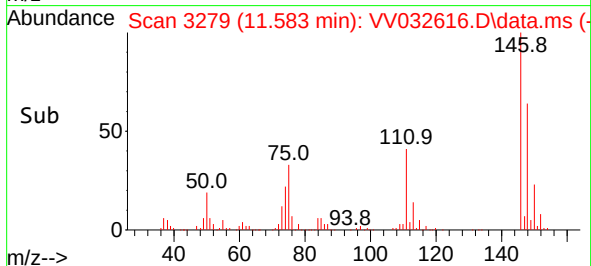
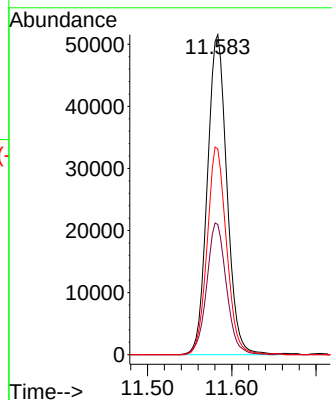
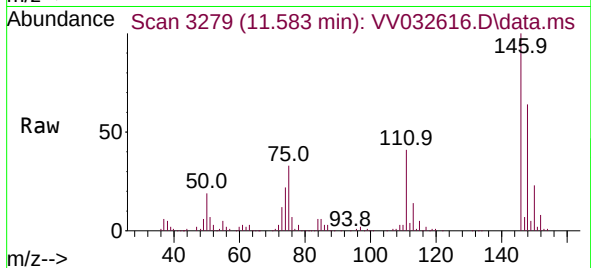
Tgt Ion:146 Resp: 83171

Ion Ratio Lower Upper

146 100

111 40.7 32.8 49.2

148 64.3 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.405 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032616.D

Acq: 25 Oct 2023 02:12

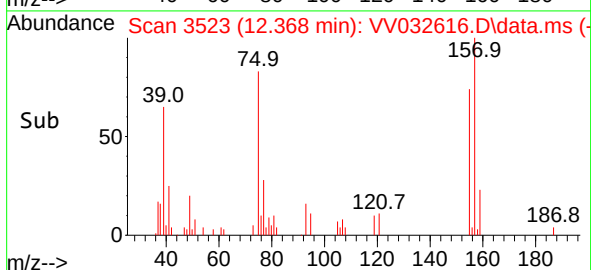
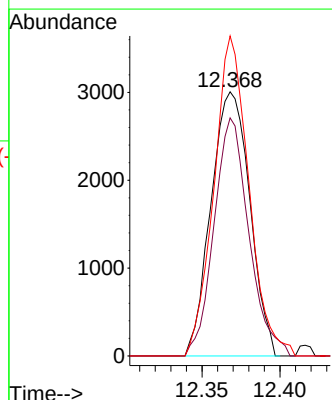
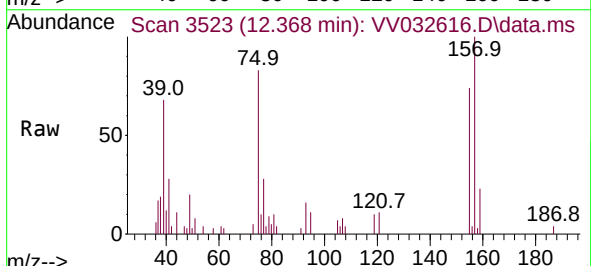
Tgt Ion: 75 Resp: 5201

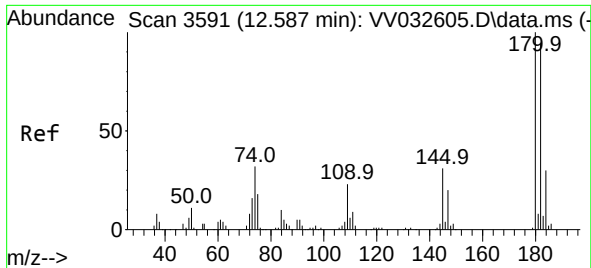
Ion Ratio Lower Upper

75 100

155 90.1 70.2 105.4

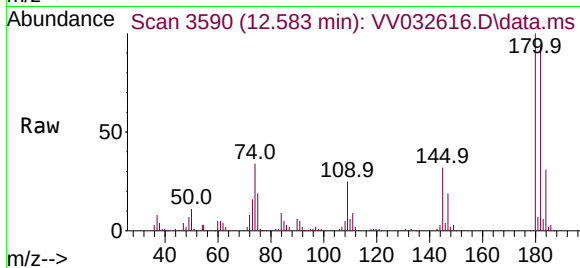
157 121.1 90.6 135.8



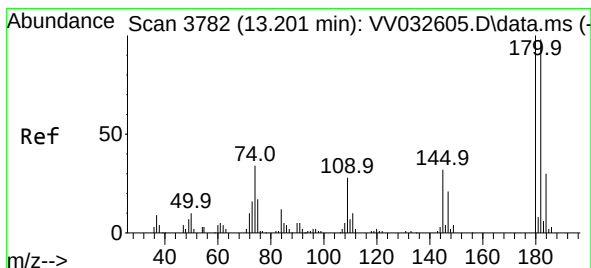
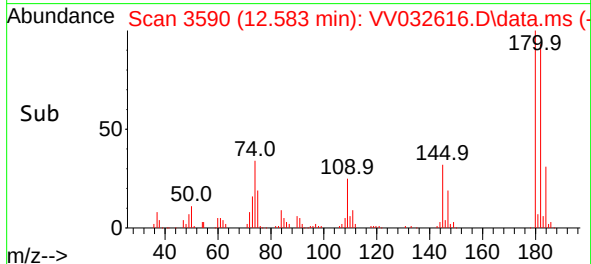
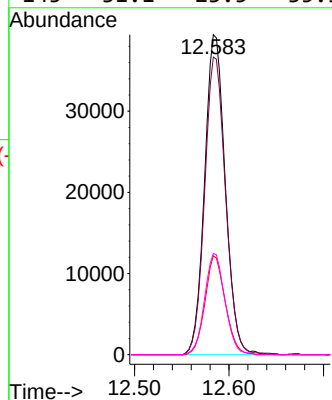


#69
 1,3,5-Trichlorobenzene
 Concen: 4.061 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. -0.003 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

Instrument :
 MSVOA_V
 ClientSampleId :

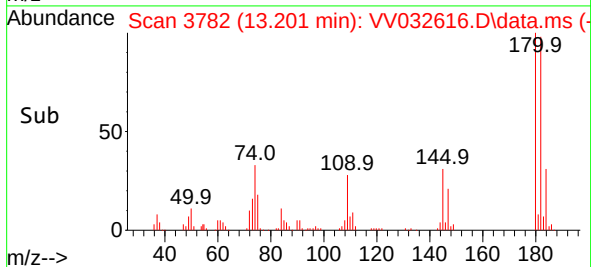
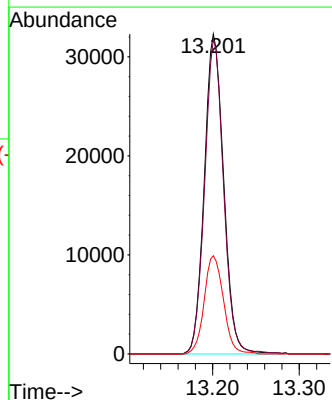
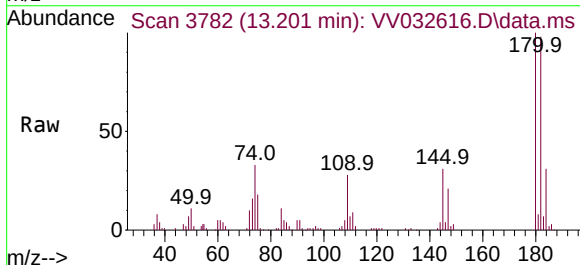


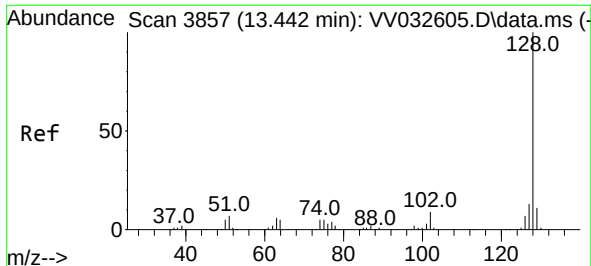
Tgt Ion:180 Resp: 59948
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.6 112.0
 184 30.1 24.1 36.1
 145 31.1 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 3.830 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV032616.D
 Acq: 25 Oct 2023 02:12

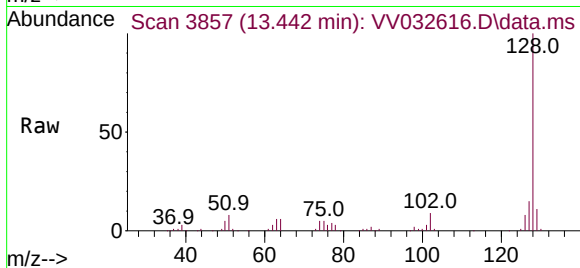
Tgt Ion:180 Resp: 50157
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.5 114.7
 145 30.6 24.3 36.5



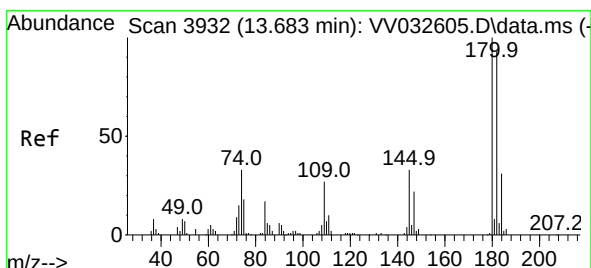
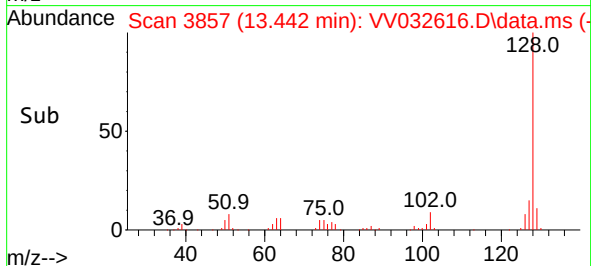
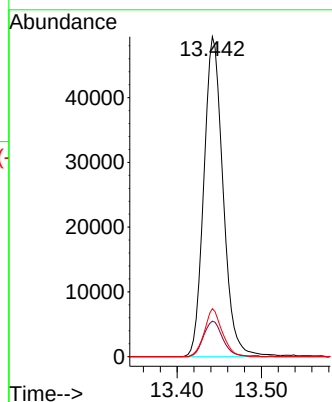


#71
Naphthalene
Concen: 3.534 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 78619
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.9 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.102 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032616.D
Acq: 25 Oct 2023 02:12

Tgt Ion:180 Resp: 46286
Ion Ratio Lower Upper
180 100
182 94.5 77.0 115.4
145 32.2 25.7 38.5

