

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101223\
 Data File : VW032420.D
 Acq On : 12 Oct 2023 16:33
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 22:39:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 12 22:36:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	106039	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	116490	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	63556	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	35746	4.145	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.532	69	31555	4.508	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.060	65	14346	3.944	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.800%
20) 2-Butanone-d5	3.806	46	105218	48.230	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.460%
24) Chloroform-d	4.253	84	71373	4.691	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	4.947	65	33281	4.618	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	4.963	84	130340	3.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
36) 1,2-Dichloropropane-d6	5.992	67	40932	3.604	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.000%
41) Toluene-d8	7.246	98	126377	4.032	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	7.558	79	16408	4.077	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.027	63	89198	47.108	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.220%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	37814	4.760	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	48946	4.150	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	60550	5.124	ug/L	99
3) Chloromethane	1.217	50	60929	5.115	ug/L	99
5) Vinyl chloride	1.282	62	57646	5.074	ug/L	100
6) Bromomethane	1.491	94	33883	4.937	ug/L	100
8) Chloroethane	1.552	64	36048	5.270	ug/L	98
9) Trichlorofluoromethane	1.716	101	72383	5.312	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	45585	5.521	ug/L	99
12) 1,1-Dichloroethene	2.073	96	40033	5.148	ug/L	81
13) Acetone	2.130	43	82314	48.954	ug/L	99
14) Carbon disulfide	2.243	76	120591	4.436	ug/L	99
15) Methyl Acetate	2.384	43	18334	4.843	ug/L	98
16) Methylene chloride	2.449	84	46628	4.599	ug/L	97
17) Methyl tert-butyl Ether	2.706	73	98371	4.646	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	43425	4.875	ug/L	99
19) 1,1-Dichloroethane	3.114	63	85161	5.082	ug/L	98
21) 2-Butanone	3.886	43	122237	46.488	ug/L	100
22) cis-1,2-Dichloroethene	3.818	96	46995	4.900	ug/L	97
23) Bromochloromethane	4.153	128	20491	5.078	ug/L	98
25) Chloroform	4.281	83	84141	5.118	ug/L	99

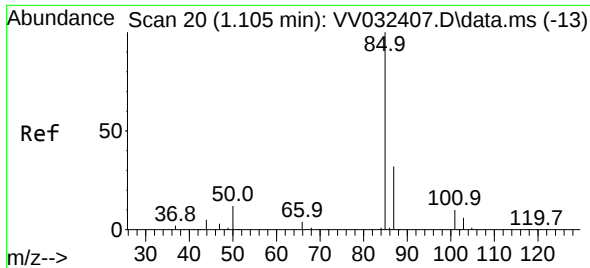
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	49326	5.078	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	69826	4.409	ug/L	99
30) Cyclohexane	4.584	56	67469	3.877	ug/L	99
31) Carbon tetrachloride	4.738	117	59494	4.439	ug/L	99
33) Benzene	5.015	78	177306	4.323	ug/L	100
34) Trichloroethene	5.838	95	46929	4.192	ug/L	94
35) Methylcyclohexane	6.053	83	73883	4.264	ug/L	97
37) 1,2-Dichloropropane	6.095	63	52880	4.821	ug/L	99
38) Bromodichloromethane	6.436	83	61083	4.687	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	66947	4.289	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	304965	43.936	ug/L	99
42) Toluene	7.320	91	202512	4.632	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	54346	4.236	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	35062	4.532	ug/L	95
47) Tetrachloroethene	7.908	164	37931	4.467	ug/L	99
48) 2-Hexanone	8.079	43	223102	45.556	ug/L	100
49) Dibromochloromethane	8.178	129	37248	4.624	ug/L	99
50) 1,2-Dibromoethane	8.288	107	33101	4.523	ug/L	100
51) Chlorobenzene	8.818	112	129451	4.599	ug/L	99
52) Ethylbenzene	8.950	91	216285	4.442	ug/L	100
53) m,p-Xylene	9.075	106	81363	4.506	ug/L	99
54) o-Xylene	9.481	106	77631	4.462	ug/L	98
55) Styrene	9.500	104	138260	4.705	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	40606	4.770	ug/L	98
59) Bromoform	9.670	173	19364	4.190	ug/L	100
60) Isopropylbenzene	9.870	105	214339	4.339	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	29277	4.328	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	166814	4.144	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	167268	4.173	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	103934	4.405	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	105314	4.449	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	96511	4.485	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	5591	4.045	ug/L	94
69) 1,3,5-Trichlorobenzene	12.587	180	74871	4.333	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	61882	4.037	ug/L	99
71) Naphthalene	13.442	128	89548	3.439	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	56267	4.260	ug/L	97

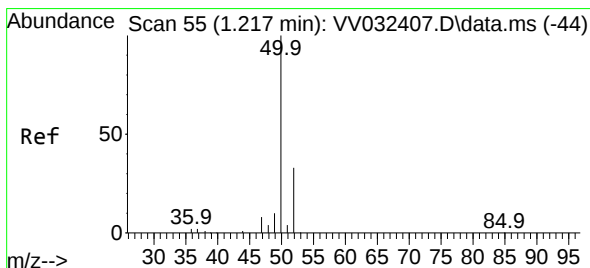
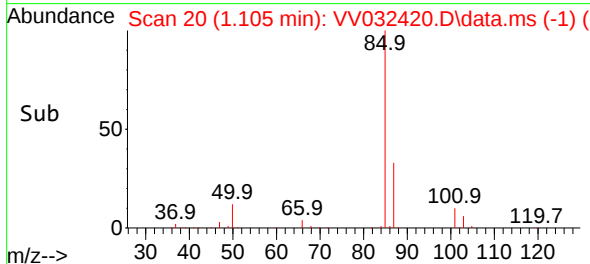
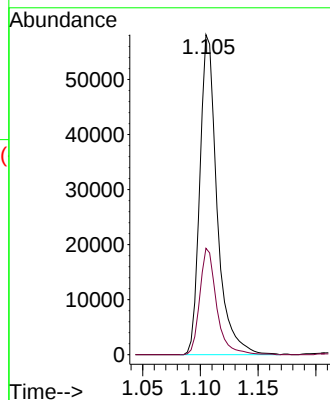
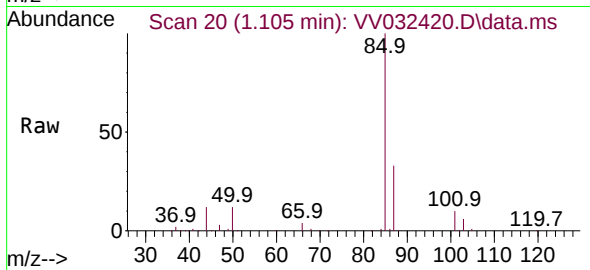
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.124 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032420.D
 Acq: 12 Oct 2023 16:33

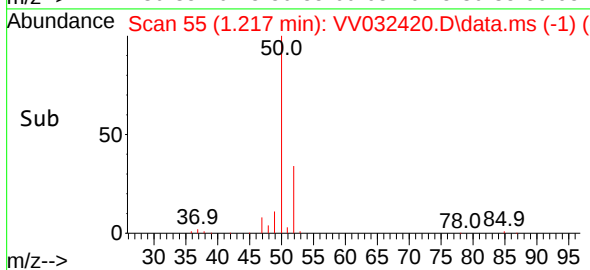
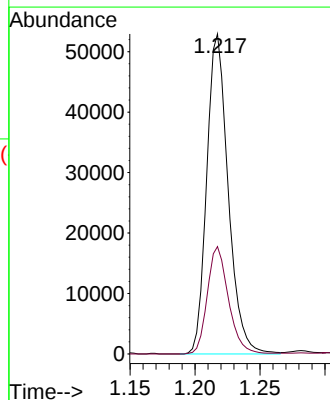
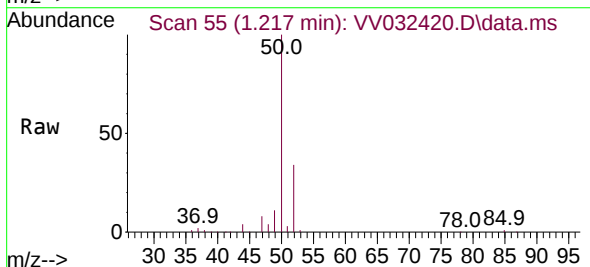
Instrument :
 MSVOA_V
 ClientSampleId :

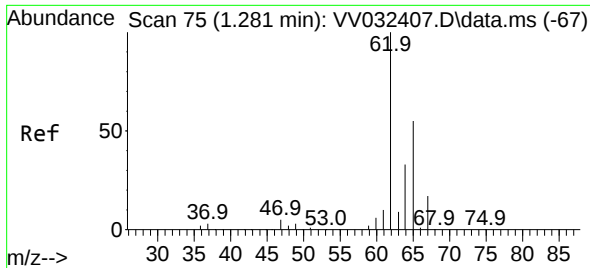
Tgt Ion: 85 Resp: 60550
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 5.115 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032420.D
 Acq: 12 Oct 2023 16:33

Tgt Ion: 50 Resp: 60929
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.0 42.6

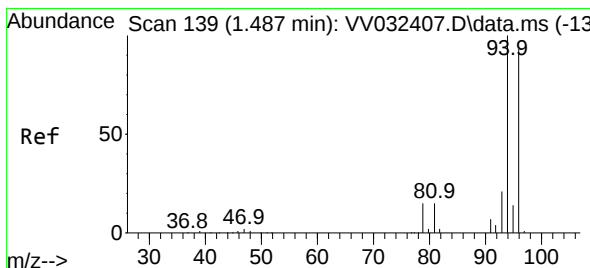
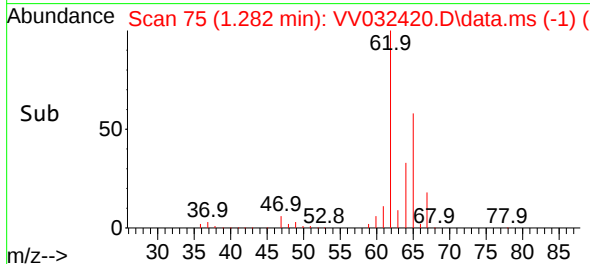
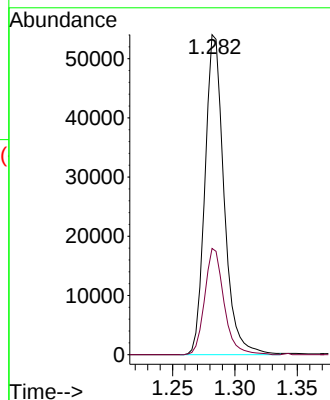
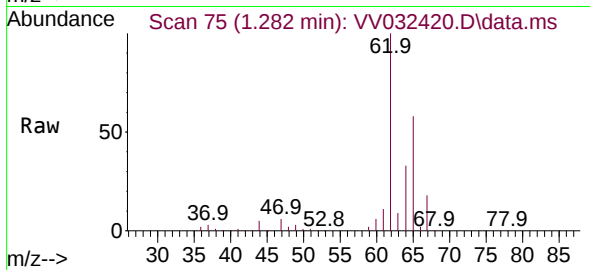




#5
 Vinyl chloride
 Concen: 5.074 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV032420.D
 Acq: 12 Oct 2023 16:33

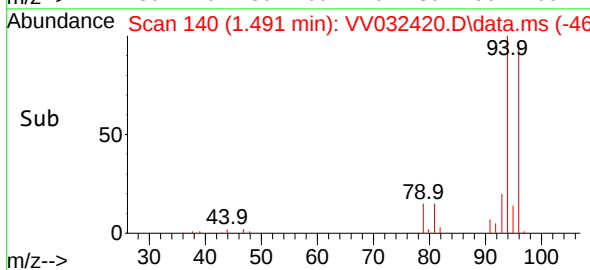
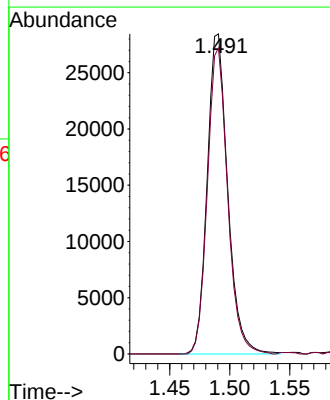
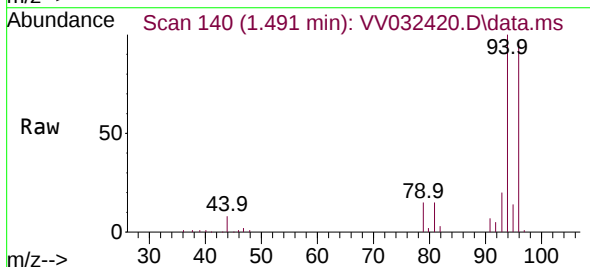
Instrument :
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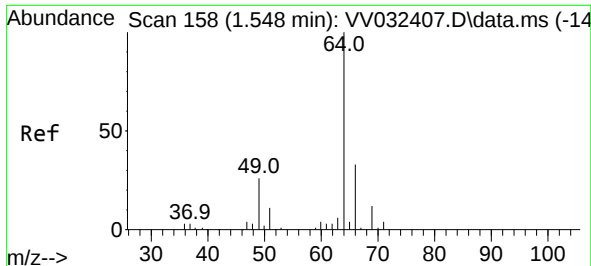
Tgt Ion: 62 Resp: 57646
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#6
 Bromomethane
 Concen: 4.937 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV032420.D
 Acq: 12 Oct 2023 16:33

Tgt Ion: 94 Resp: 33883
 Ion Ratio Lower Upper
 94 100
 96 95.6 66.8 124.2

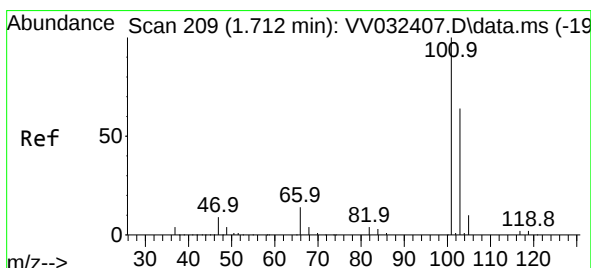
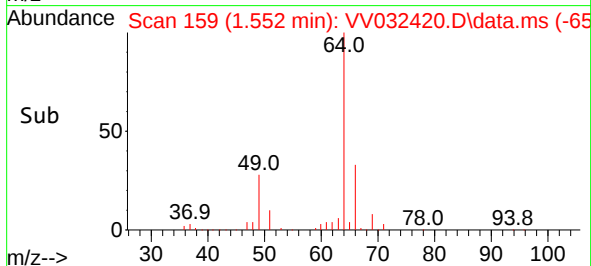
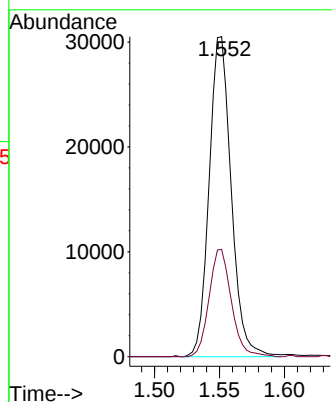
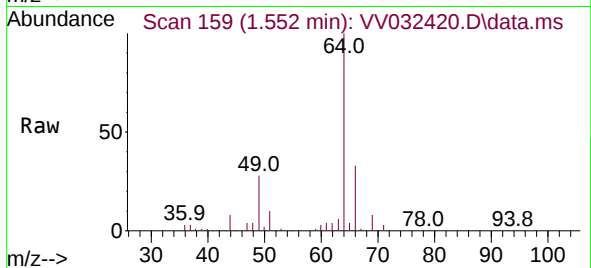




#8
Chloroethane
Concen: 5.270 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

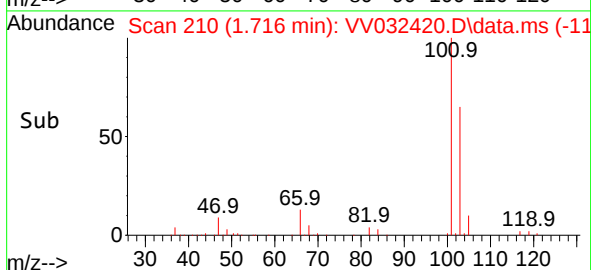
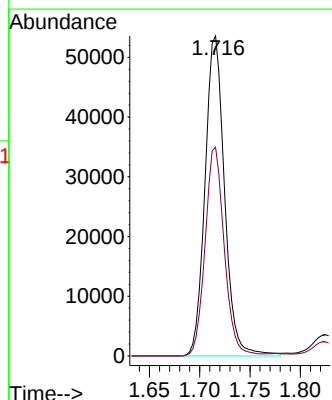
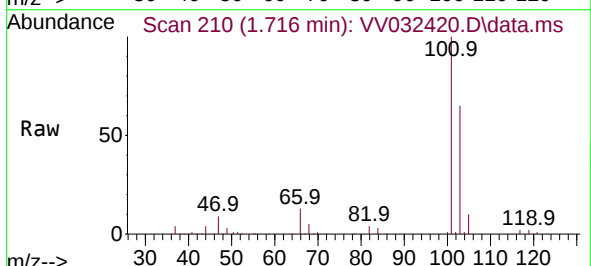
Instrument :
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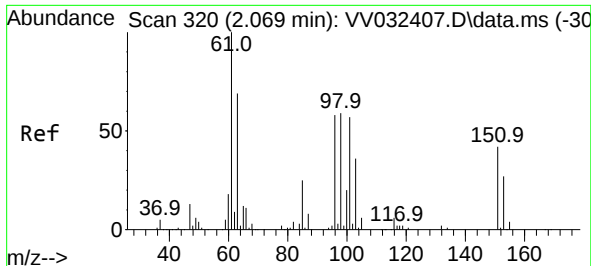
Tgt Ion: 64 Resp: 36048
Ion Ratio Lower Upper
64 100
66 33.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.312 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion:101 Resp: 72383
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2





#10

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

Concen: 5.521 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

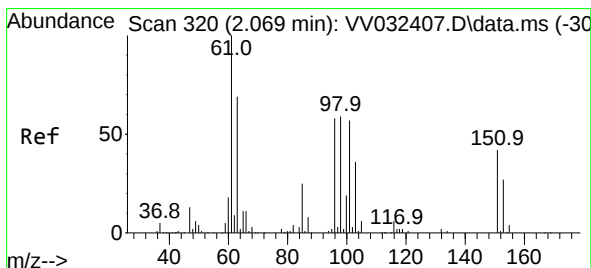
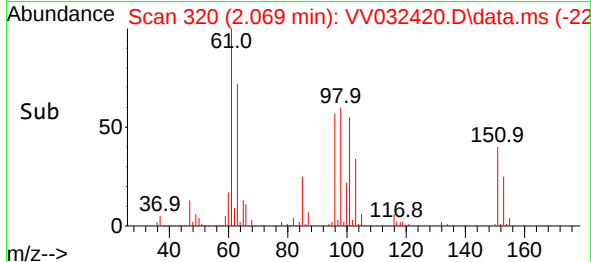
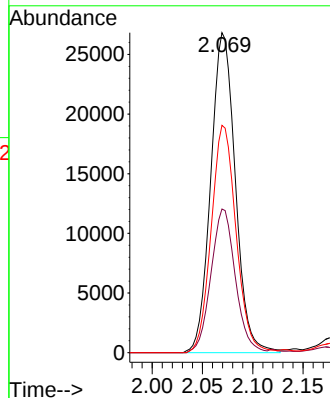
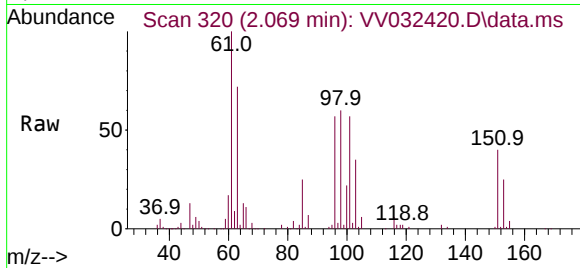
Tgt Ion:101 Resp: 45585

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.6

151 71.8 56.6 84.8



#12

1,1-Dichloroethene

Concen: 5.148 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

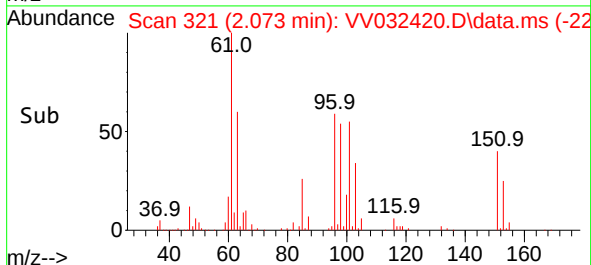
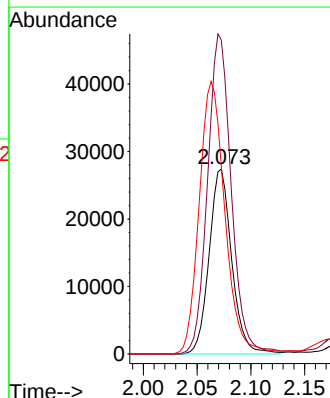
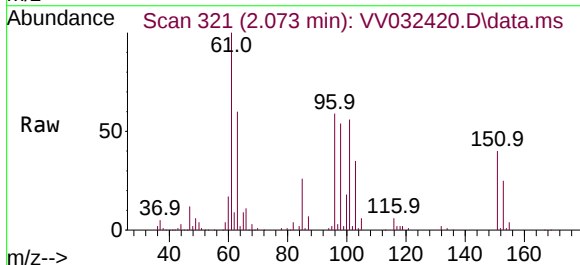
Tgt Ion: 96 Resp: 40033

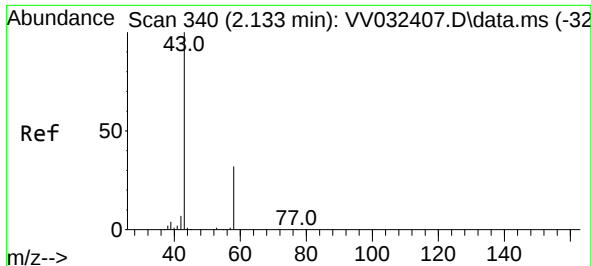
Ion Ratio Lower Upper

96 100

61 169.9 127.3 236.3

63 101.8 98.3 182.7





#13

Acetone

Concen: 48.954 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

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MSVOA_V

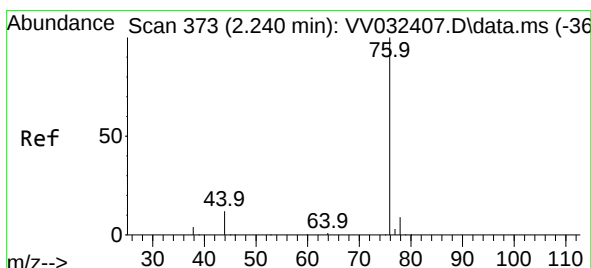
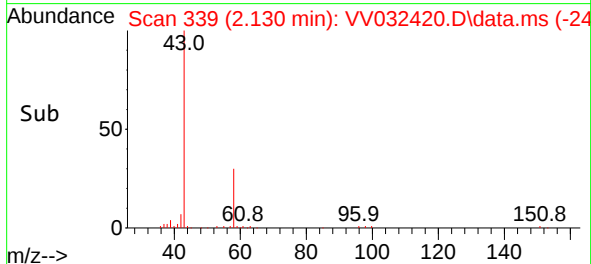
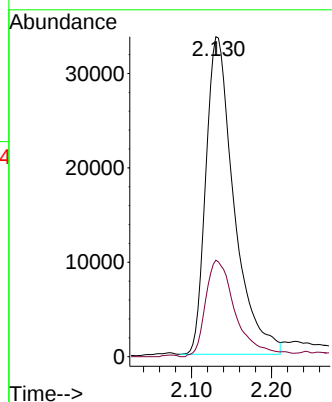
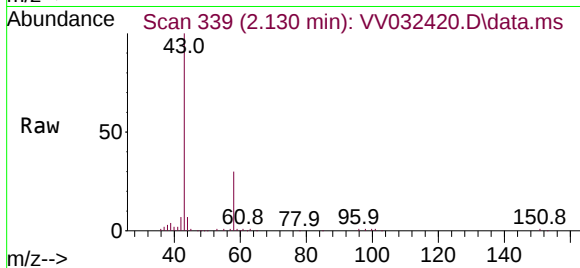
ClientSampleId :

Tgt Ion: 43 Resp: 82314

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.0



#14

Carbon disulfide

Concen: 4.436 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032420.D

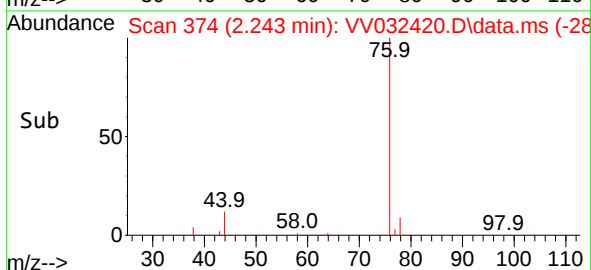
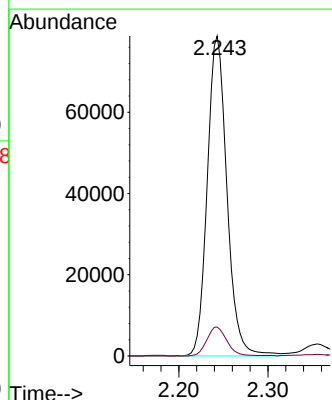
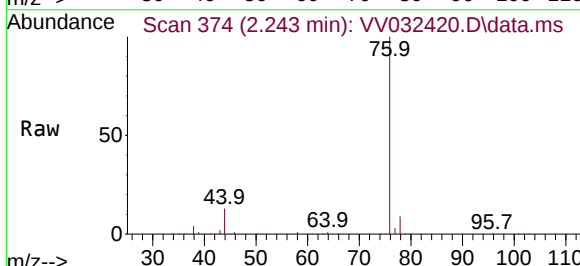
Acq: 12 Oct 2023 16:33

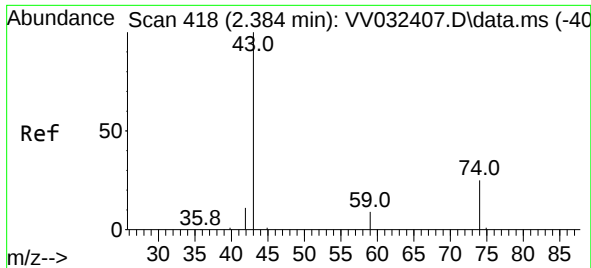
Tgt Ion: 76 Resp: 120591

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

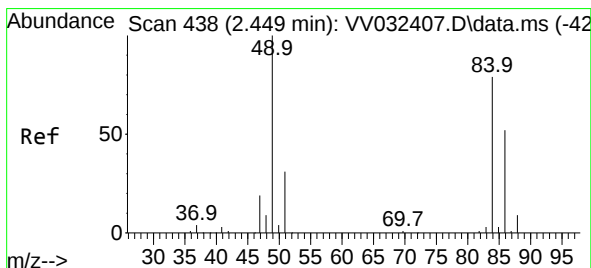
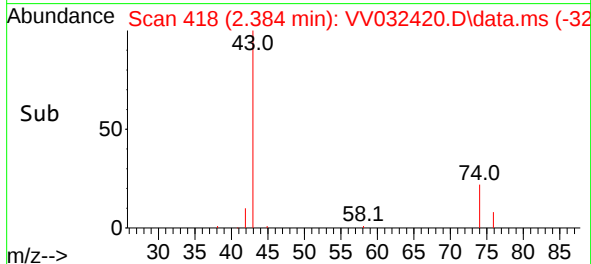
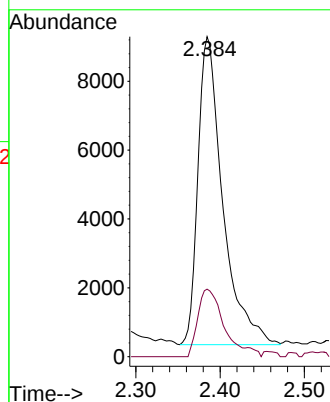
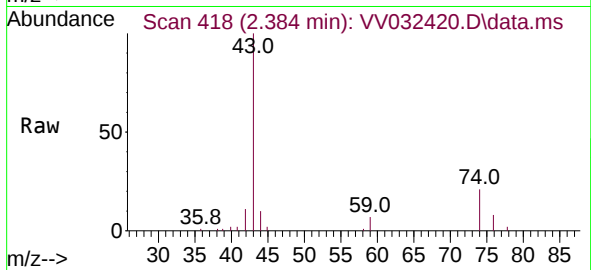




#15
Methyl Acetate
Concen: 4.843 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

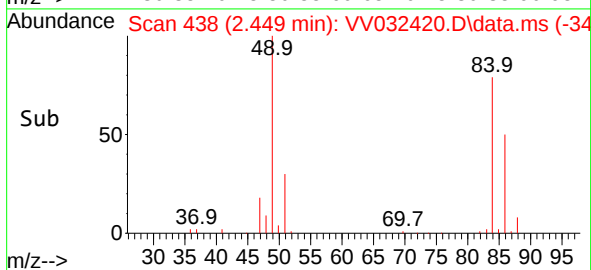
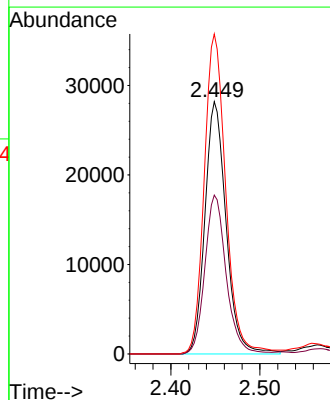
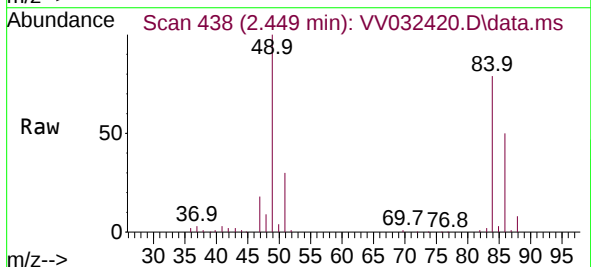
Instrument :
MSVOA_V
ClientSampleId :

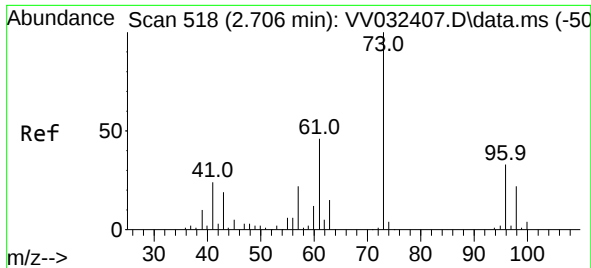
Tgt Ion: 43 Resp: 18334
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0



#16
Methylene chloride
Concen: 4.599 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion: 84 Resp: 46628
Ion Ratio Lower Upper
84 100
86 63.0 43.2 80.2
49 126.8 86.3 160.3





#17

Methyl tert-butyl Ether

Concen: 4.646 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

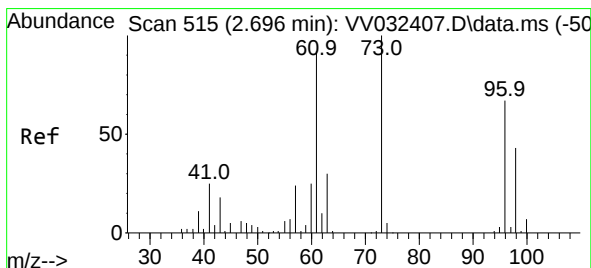
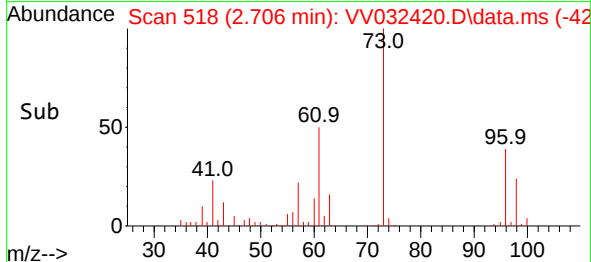
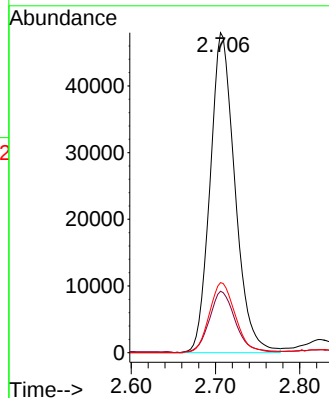
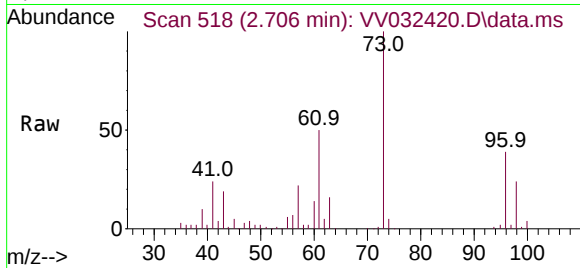
Tgt Ion: 73 Resp: 98371

Ion Ratio Lower Upper

73 100

43 20.4 15.1 22.7

57 22.9 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 4.875 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

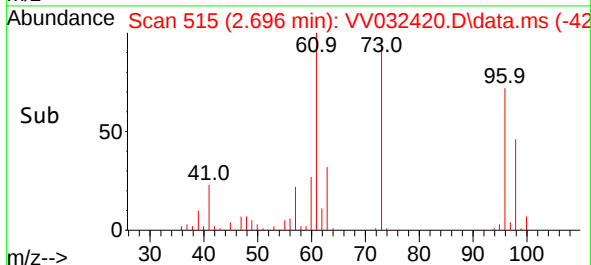
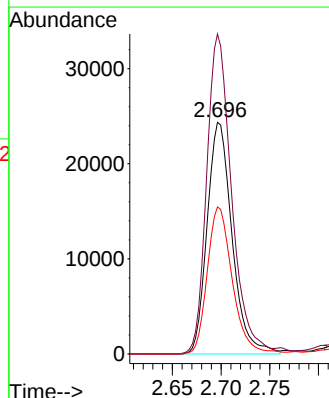
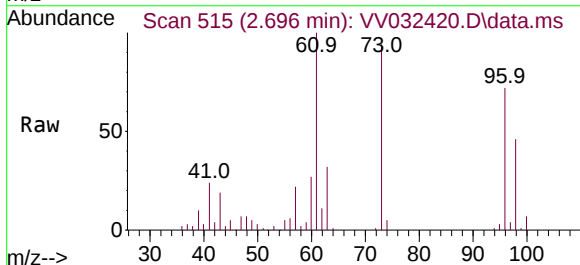
Tgt Ion: 96 Resp: 43425

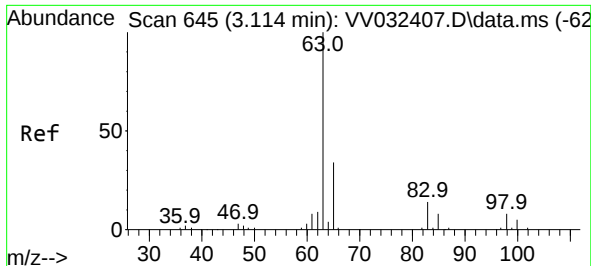
Ion Ratio Lower Upper

96 100

61 138.1 96.9 180.1

98 63.5 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.082 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV032420.D

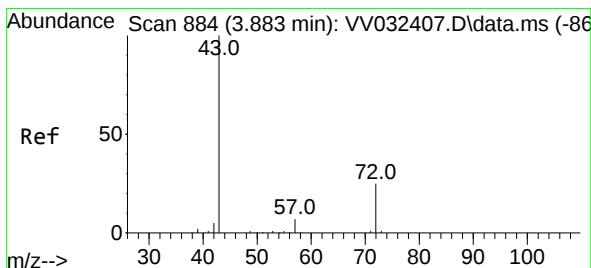
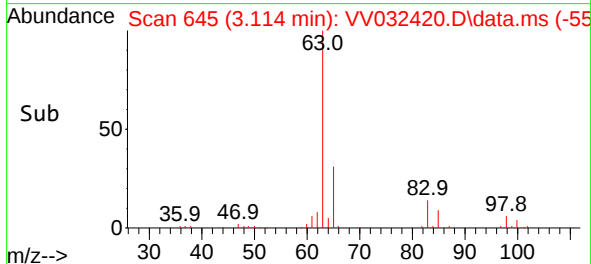
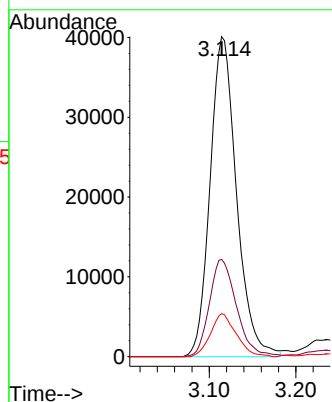
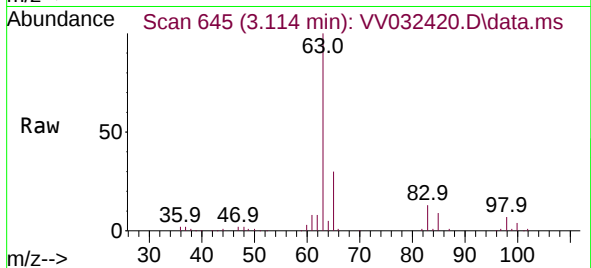
Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	85161
Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.3	41.5
83	13.5	9.0	16.6



#21

2-Butanone

Concen: 46.488 ug/L

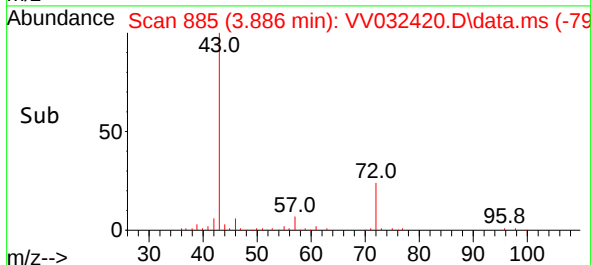
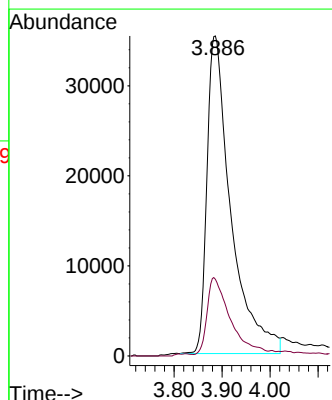
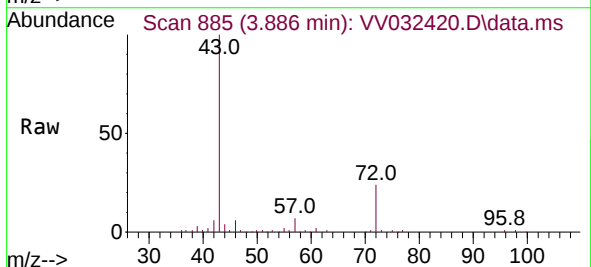
RT: 3.886 min Scan# 885

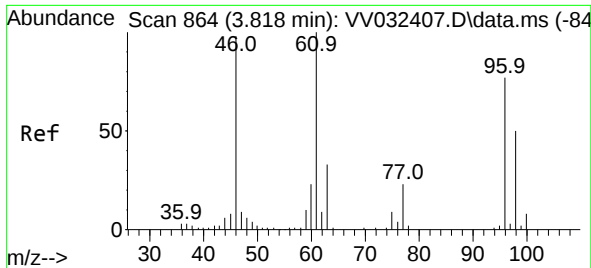
Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

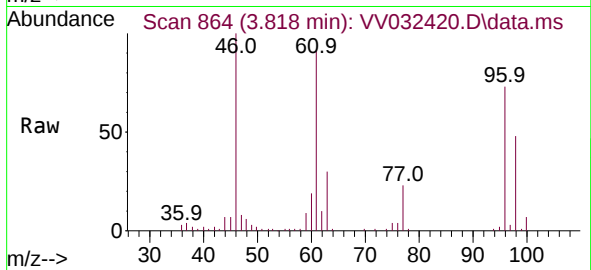
Tgt Ion:	43	Resp:	122237
Ion	Ratio	Lower	Upper
43	100		
72	23.2	11.6	34.8





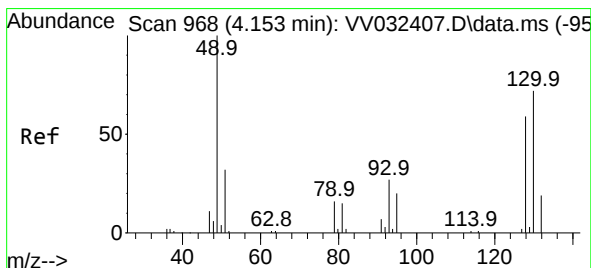
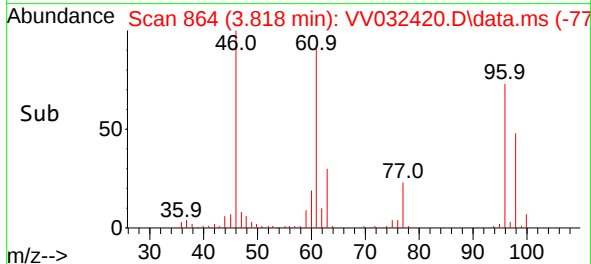
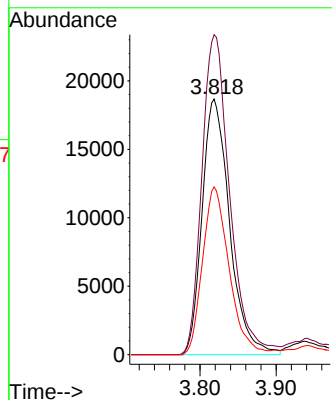
#22
 cis-1,2-Dichloroethene
 Concen: 4.900 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032420.D
 Acq: 12 Oct 2023 16:33

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 46995

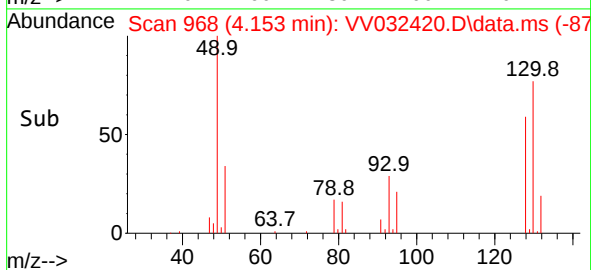
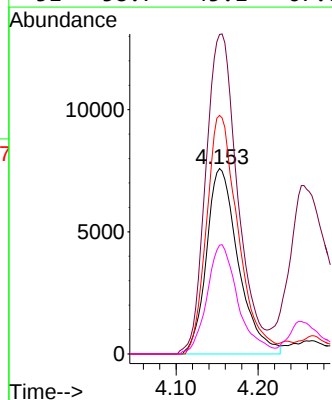
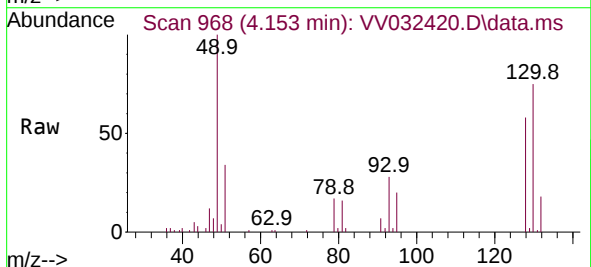
Ion	Ratio	Lower	Upper
96	100		
61	125.1	85.8	159.4
98	65.6	44.0	81.6

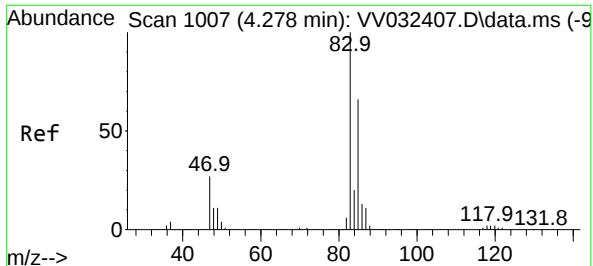


#23
 Bromochloromethane
 Concen: 5.078 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV032420.D
 Acq: 12 Oct 2023 16:33

Tgt Ion: 128 Resp: 20491

Ion	Ratio	Lower	Upper
128	100		
49	172.4	121.2	225.0
130	128.7	88.2	163.8
51	58.7	45.1	67.7





#25

Chloroform

Concen: 5.118 ug/L

RT: 4.281 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

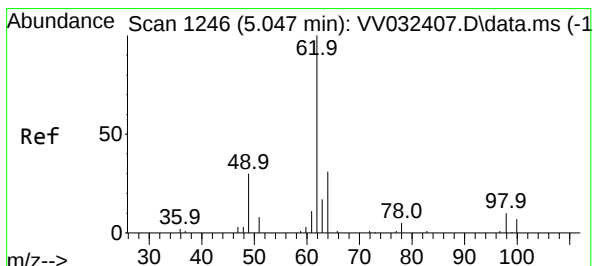
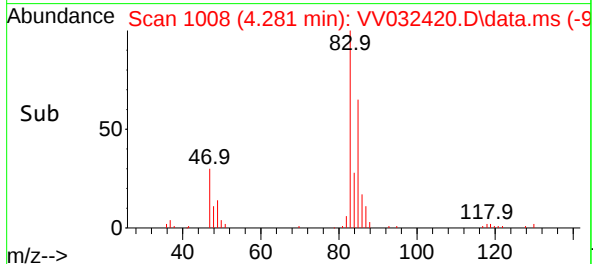
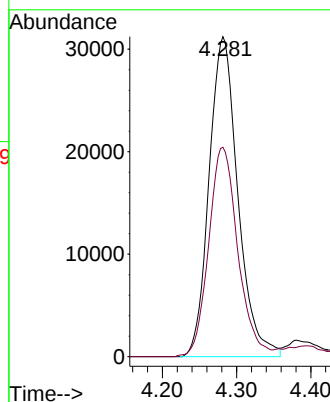
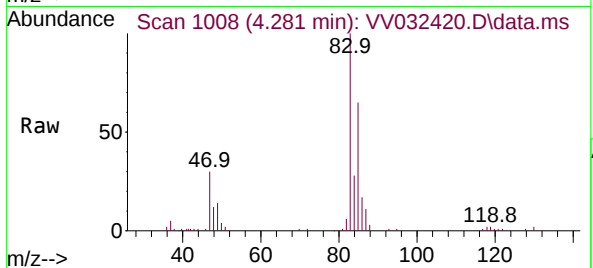
ClientSampleId :

Tgt Ion: 83 Resp: 84141

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.078 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV032420.D

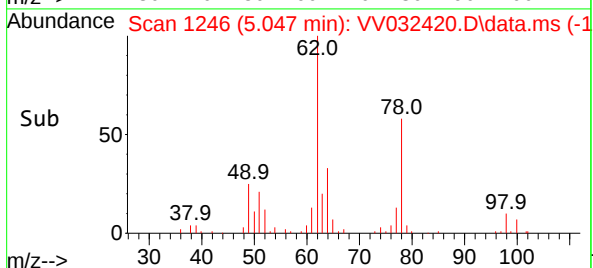
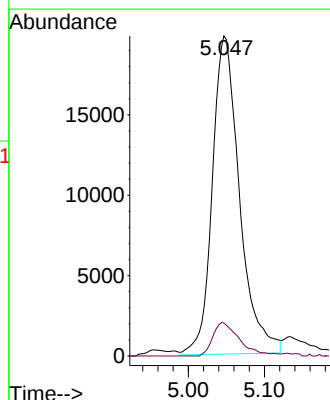
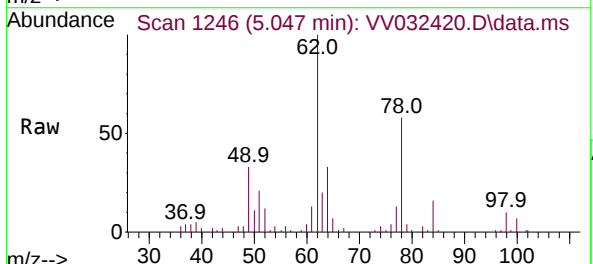
Acq: 12 Oct 2023 16:33

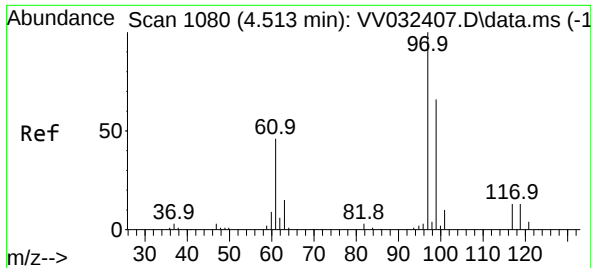
Tgt Ion: 62 Resp: 49326

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.409 ug/L

RT: 4.516 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

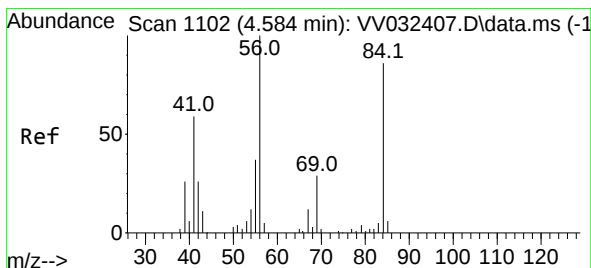
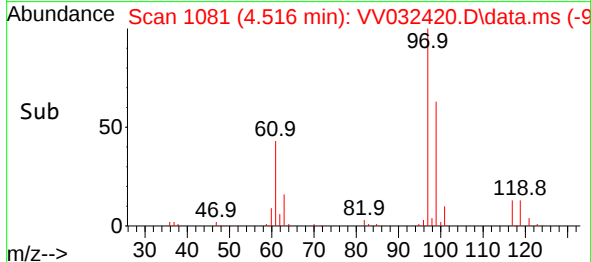
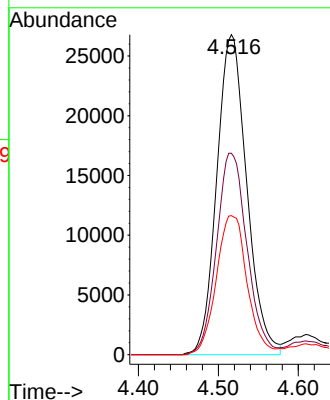
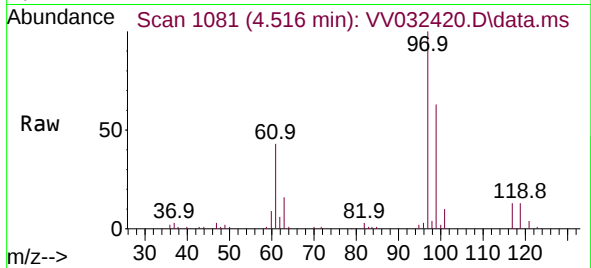
Tgt Ion: 97 Resp: 69826

Ion Ratio Lower Upper

97 100

99 63.9 50.1 75.1

61 44.5 35.1 52.7



#30

Cyclohexane

Concen: 3.877 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

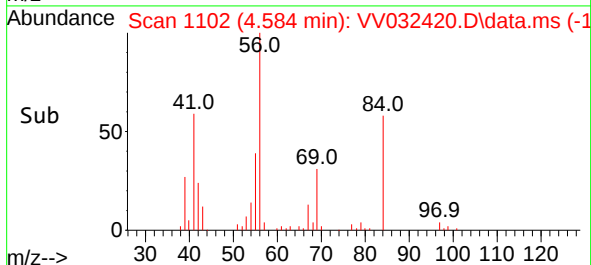
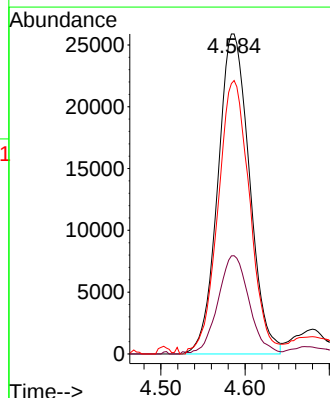
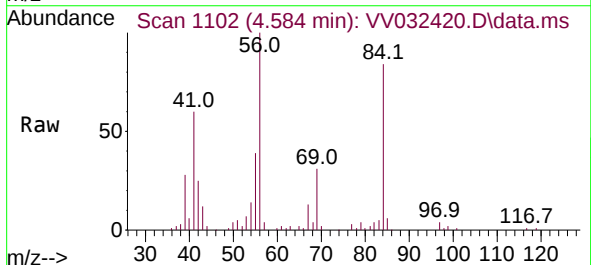
Tgt Ion: 56 Resp: 67469

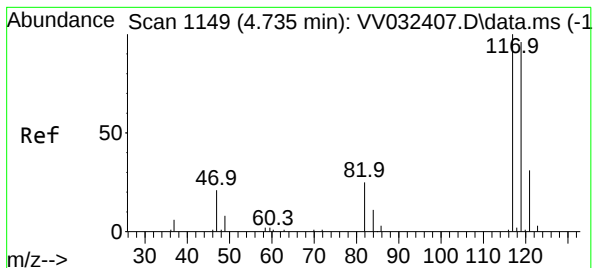
Ion Ratio Lower Upper

56 100

69 29.3 24.2 36.2

84 85.7 68.1 102.1





#31

Carbon tetrachloride

Concen: 4.439 ug/L

RT: 4.738 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

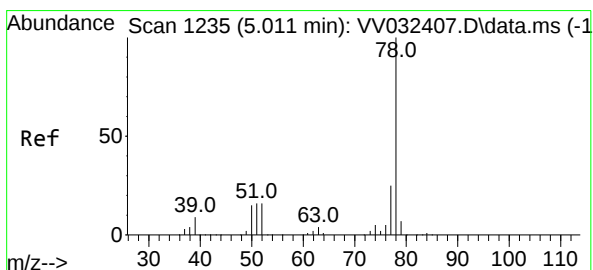
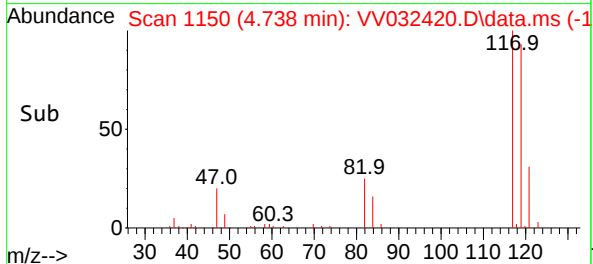
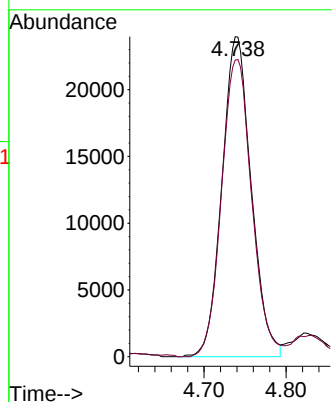
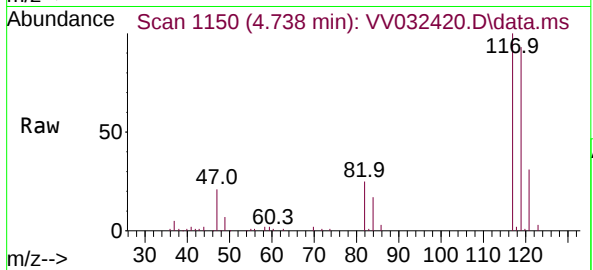
ClientSampleId :

Tgt Ion:117 Resp: 59494

Ion Ratio Lower Upper

117 100

119 95.7 77.6 116.4



#33

Benzene

Concen: 4.323 ug/L

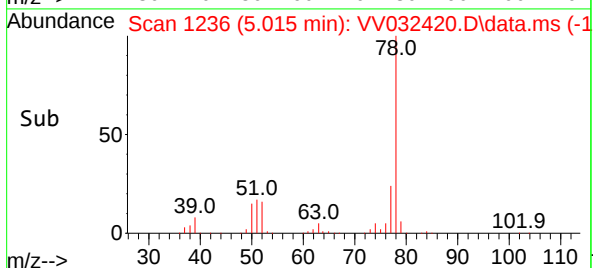
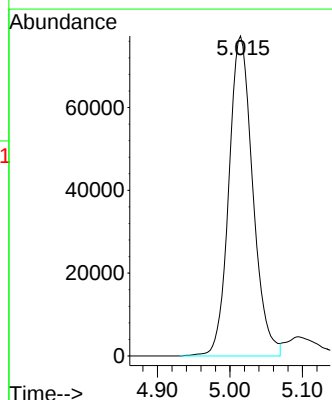
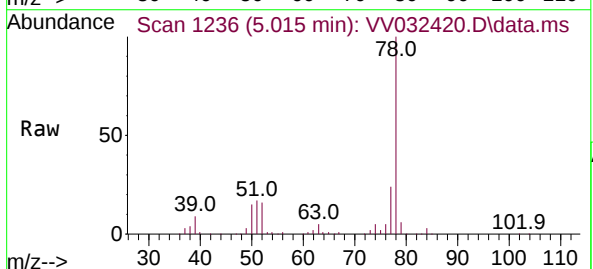
RT: 5.015 min Scan# 1236

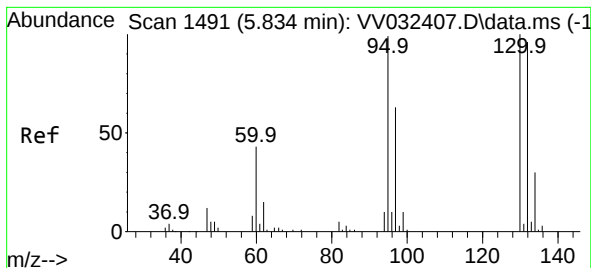
Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Tgt Ion: 78 Resp: 177306





#34

Trichloroethene

Concen: 4.192 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 46929

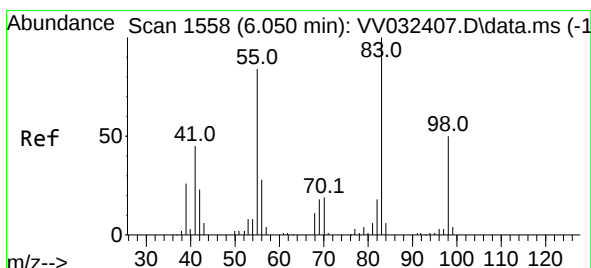
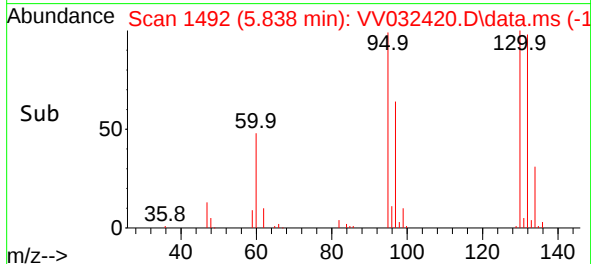
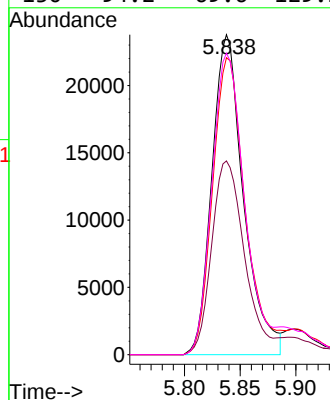
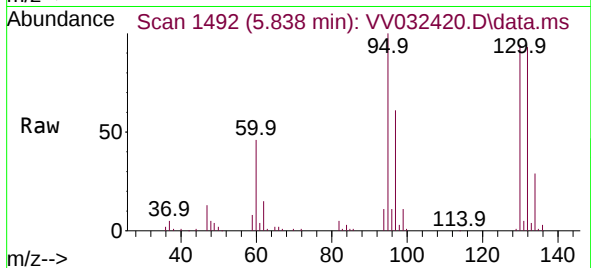
Ion Ratio Lower Upper

95 100

97 60.5 45.7 84.9

132 92.8 70.3 130.5

130 94.2 69.6 129.2



#35

Methylcyclohexane

Concen: 4.264 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

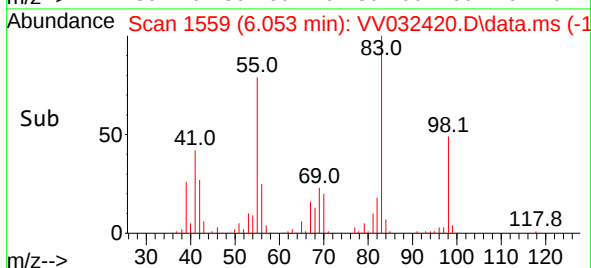
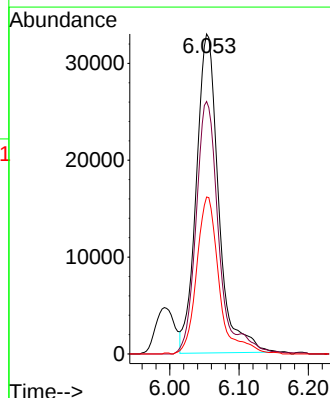
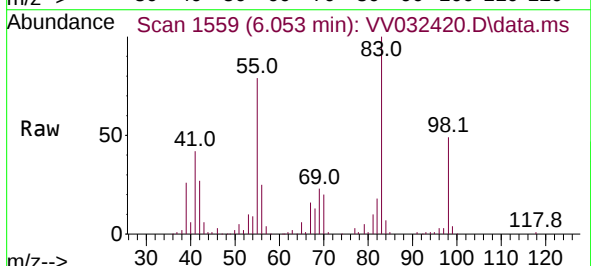
Tgt Ion: 83 Resp: 73883

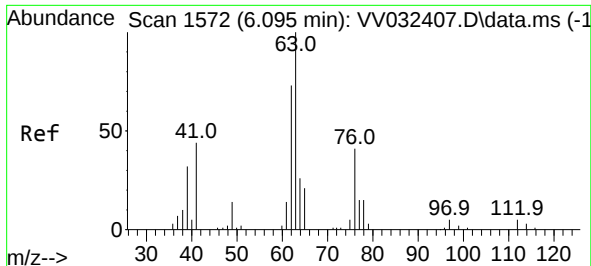
Ion Ratio Lower Upper

83 100

55 76.3 64.2 96.2

98 49.6 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.821 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

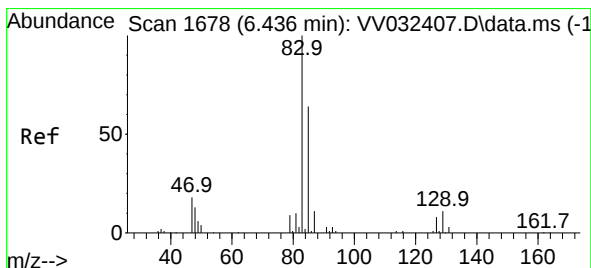
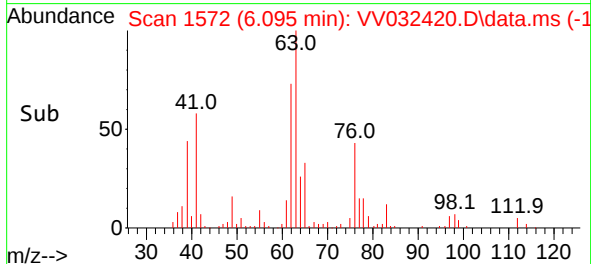
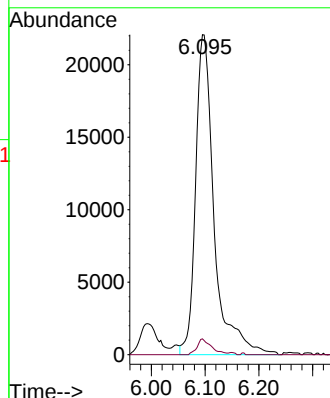
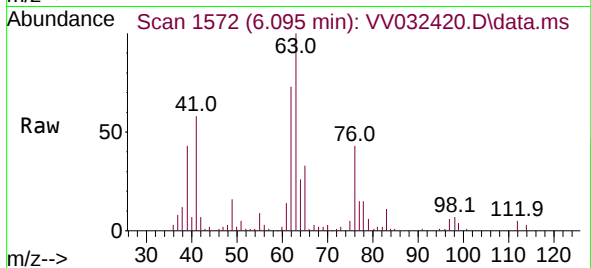
ClientSampleId :

Tgt Ion: 63 Resp: 52880

Ion Ratio Lower Upper

63 100

112 3.8 3.4 5.2



#38

Bromodichloromethane

Concen: 4.687 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

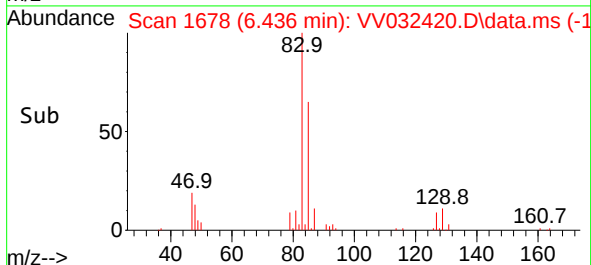
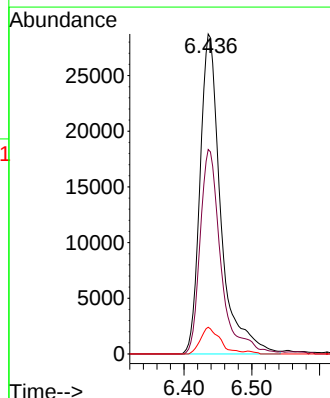
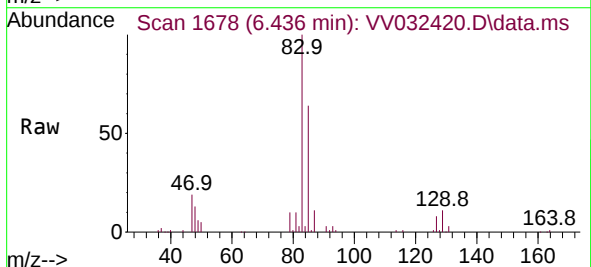
Tgt Ion: 83 Resp: 61083

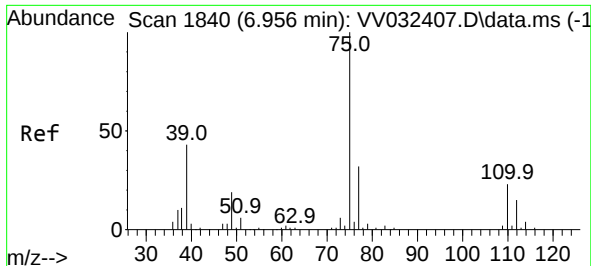
Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.3

127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.289 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

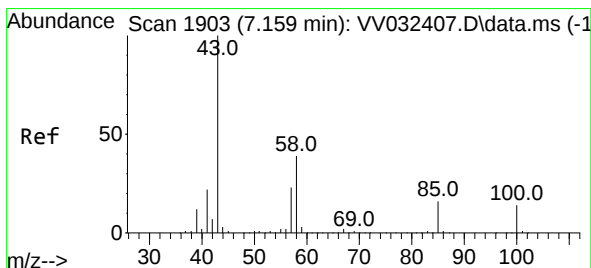
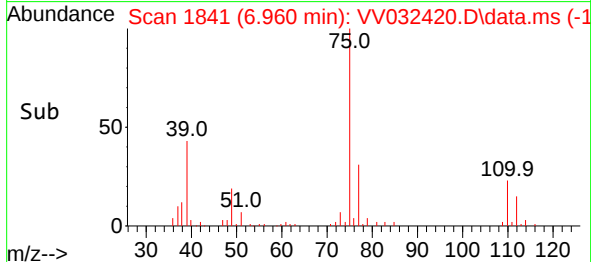
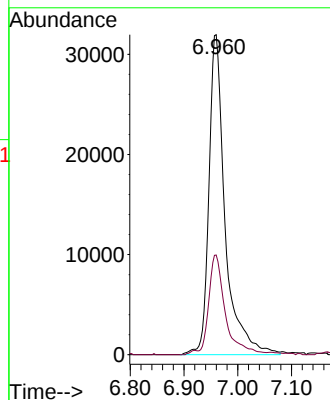
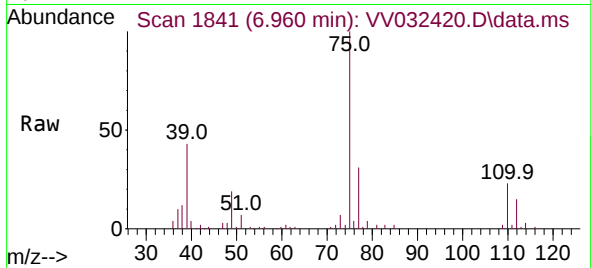
ClientSampleId :

Tgt Ion: 75 Resp: 66947

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 43.936 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

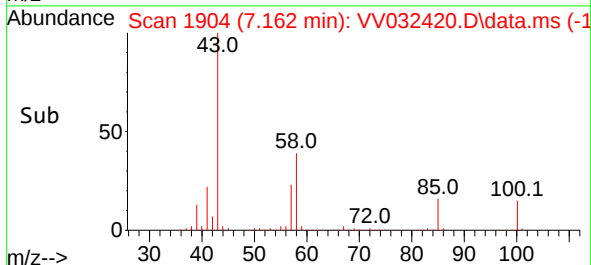
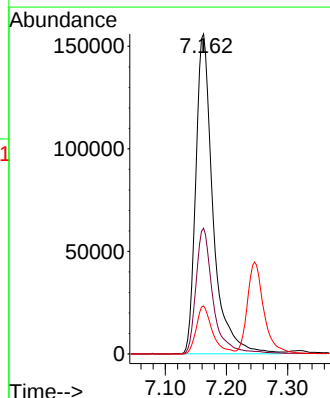
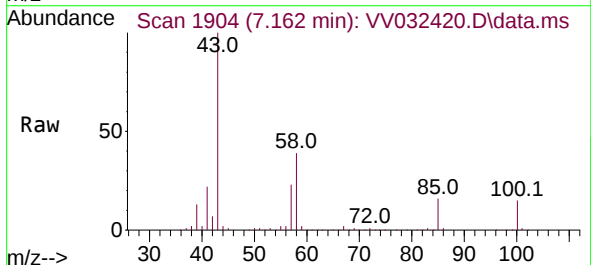
Tgt Ion: 43 Resp: 304965

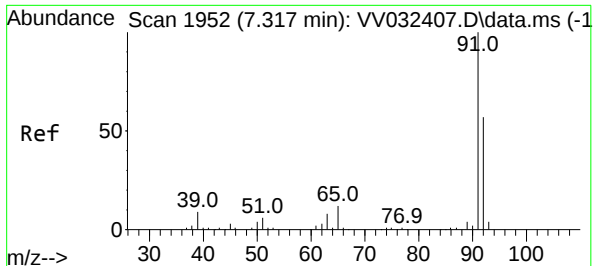
Ion Ratio Lower Upper

43 100

58 39.2 31.9 47.9

100 14.1 11.3 16.9





#42

Toluene

Concen: 4.632 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

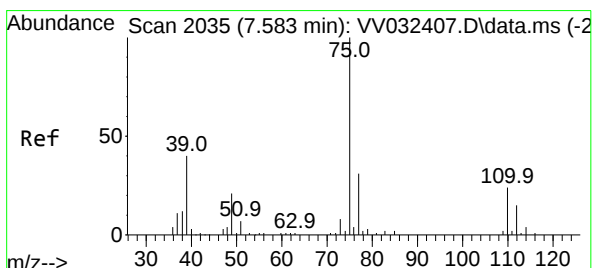
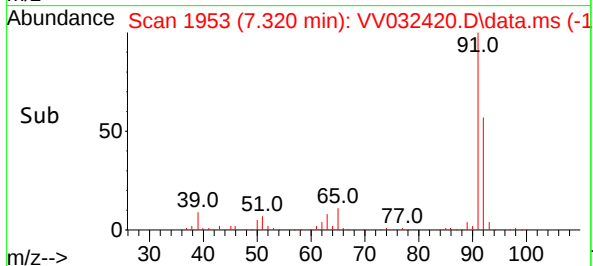
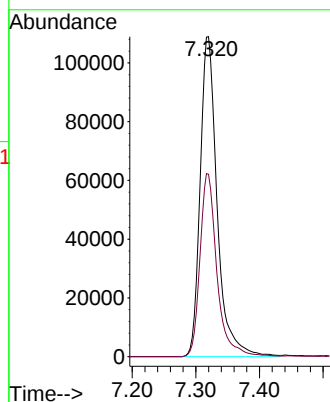
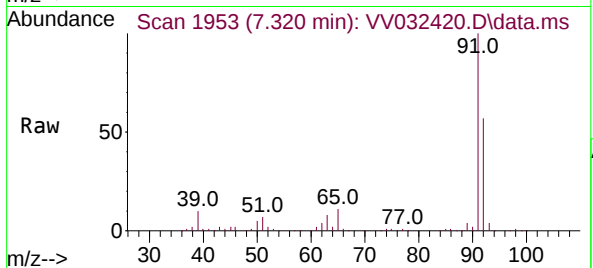
ClientSampleId :

Tgt Ion: 91 Resp: 202512

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.236 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032420.D

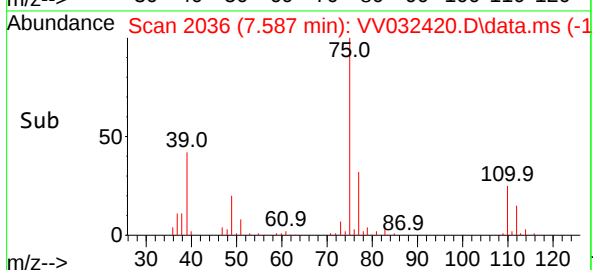
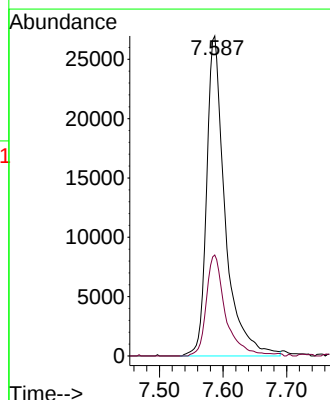
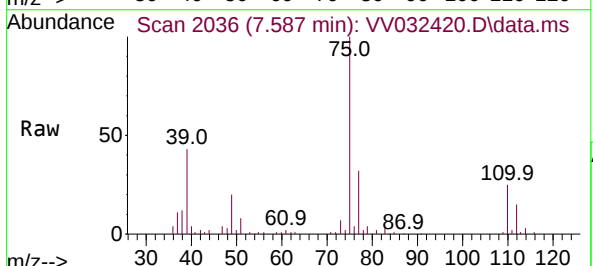
Acq: 12 Oct 2023 16:33

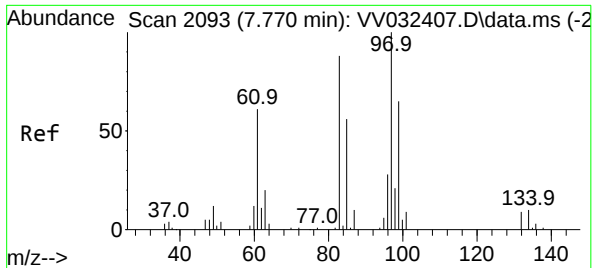
Tgt Ion: 75 Resp: 54346

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7

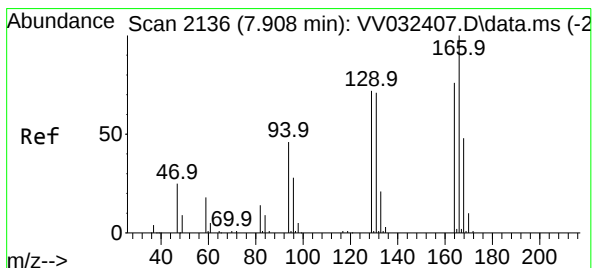
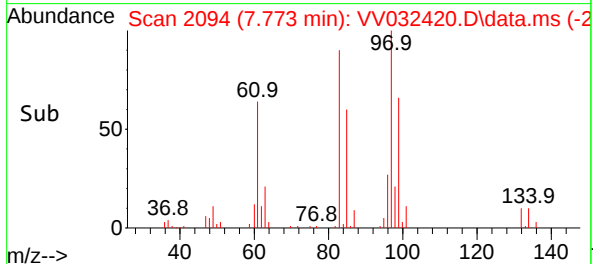
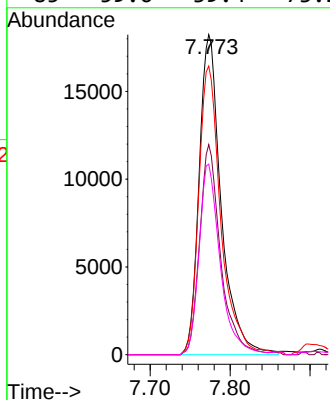
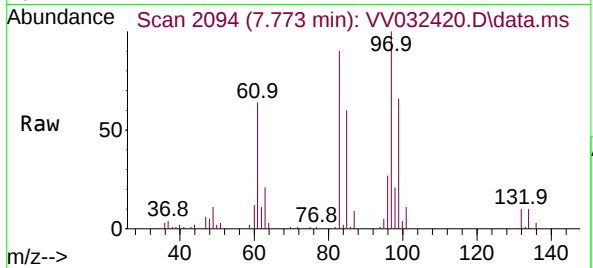




#45
1,1,2-Trichloroethane
Concen: 4.532 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

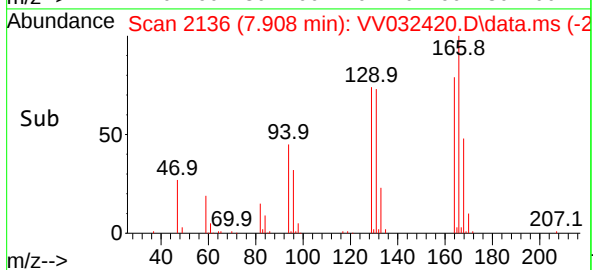
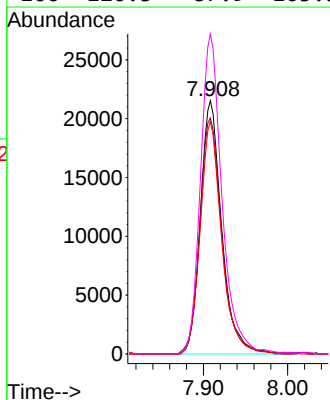
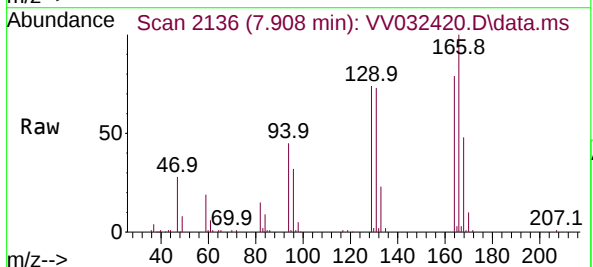
Instrument :
MSVOA_V
ClientSampleId :

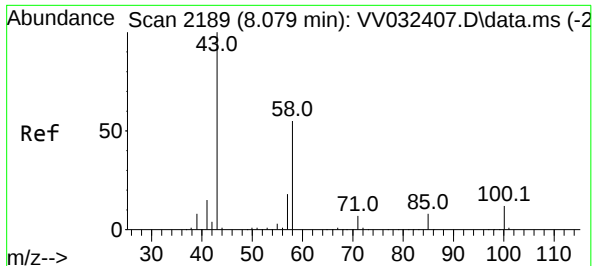
Tgt Ion:	97	Resp:	35062
Ion	Ratio	Lower	Upper
97	100		
99	65.7	42.8	79.4
83	90.2	60.9	113.1
85	59.6	39.4	73.2



#47
Tetrachloroethene
Concen: 4.467 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion:	164	Resp:	37931
Ion	Ratio	Lower	Upper
164	100		
129	93.2	66.4	123.4
131	91.8	63.7	118.3
166	126.3	87.9	163.3



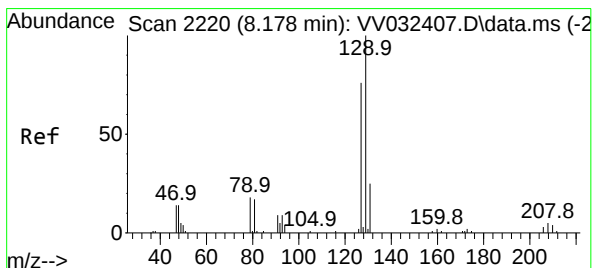
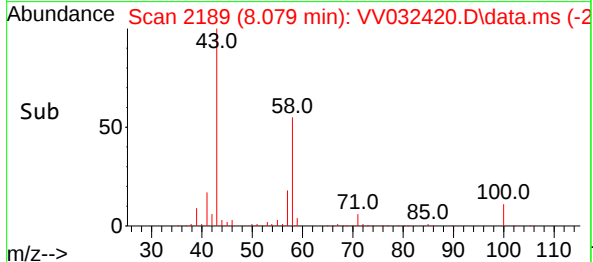
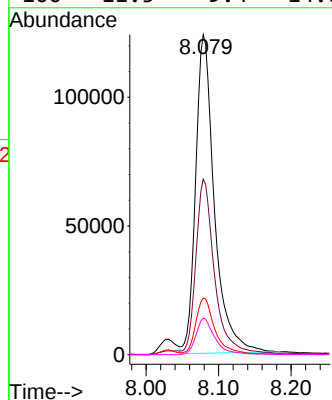
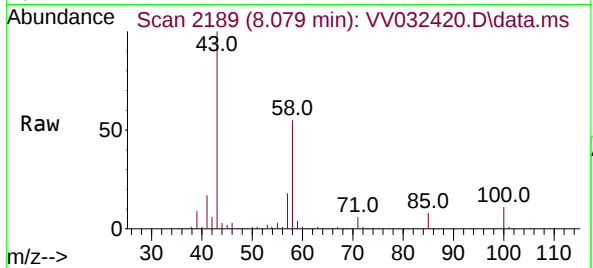


#48
2-Hexanone
Concen: 45.556 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 223102

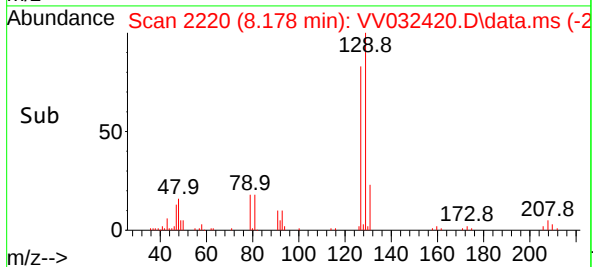
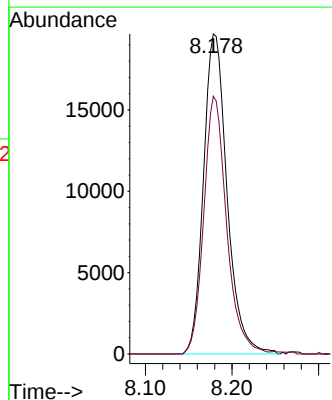
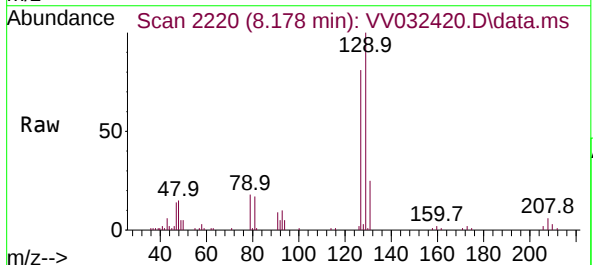
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.6	65.4
57	18.1	14.6	22.0
100	11.5	9.4	14.0

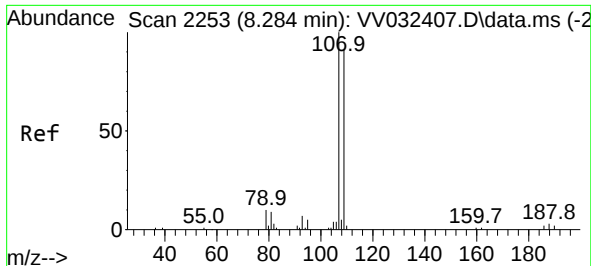


#49
Dibromochloromethane
Concen: 4.624 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion: 129 Resp: 37248

Ion	Ratio	Lower	Upper
129	100		
127	80.5	57.2	106.2





#50

1,2-Dibromoethane

Concen: 4.523 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032420.D

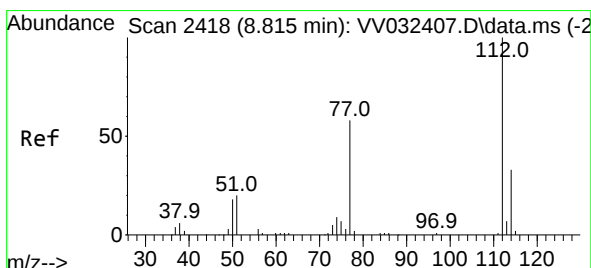
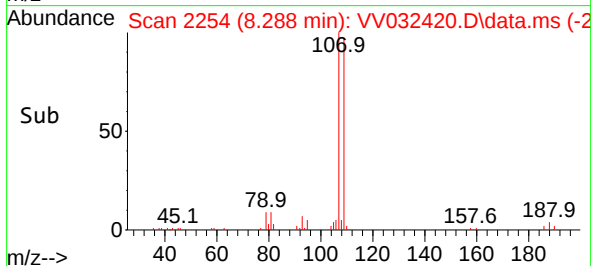
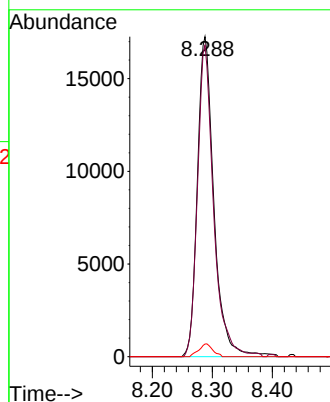
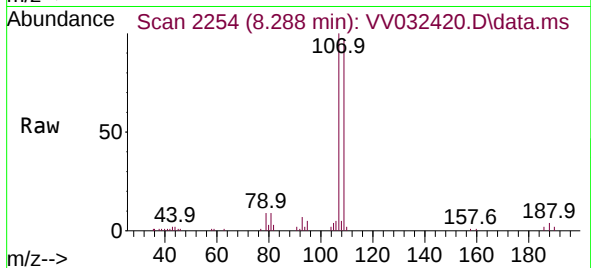
Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	33101
Ion	Ratio	Lower	Upper
107	100		
109	97.3	68.4	127.0
188	3.9	3.2	4.8



#51

Chlorobenzene

Concen: 4.599 ug/L

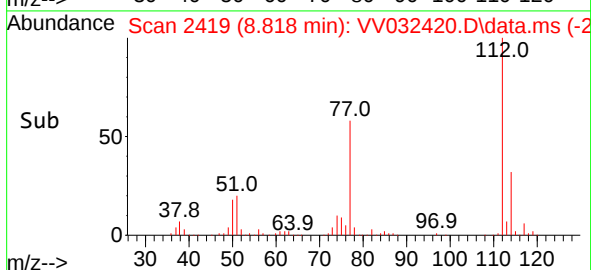
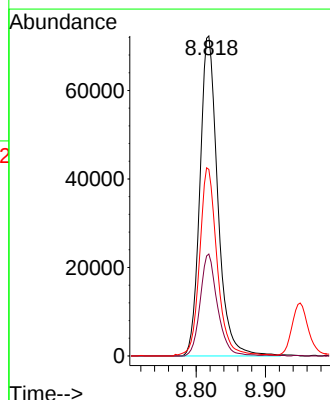
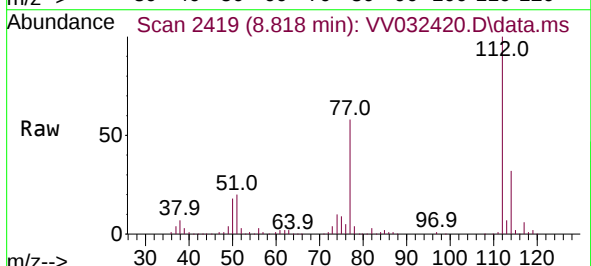
RT: 8.818 min Scan# 2419

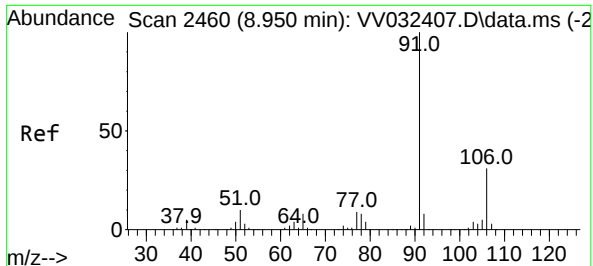
Delta R.T. 0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Tgt Ion:	112	Resp:	129451
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.1	41.1
77	58.3	46.1	69.1

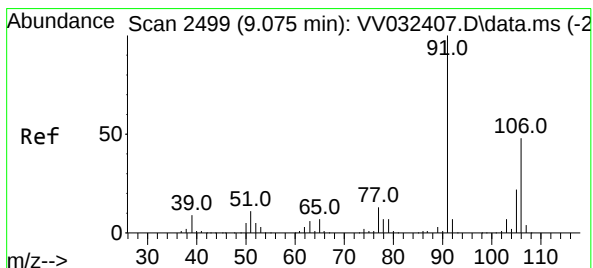
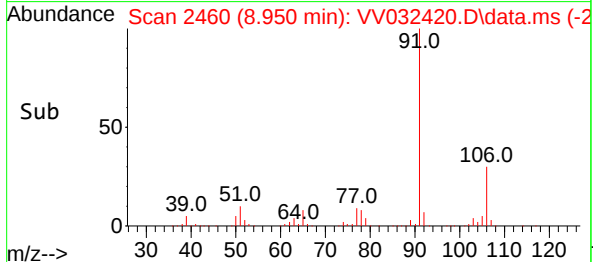
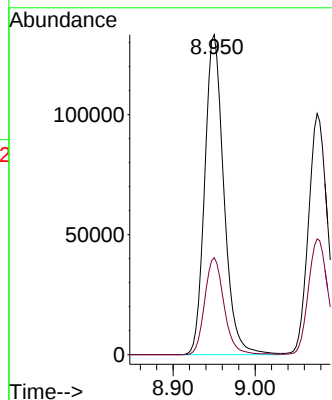
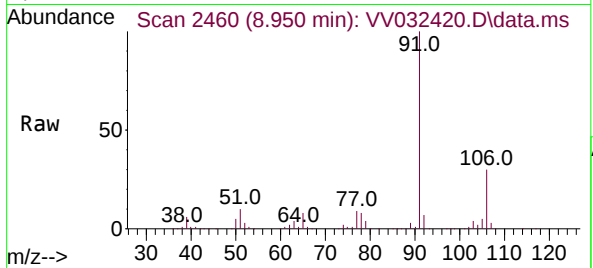




#52
Ethylbenzene
Concen: 4.442 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

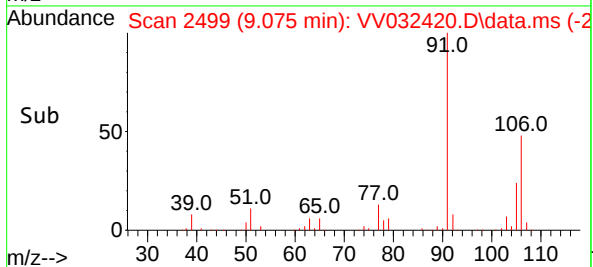
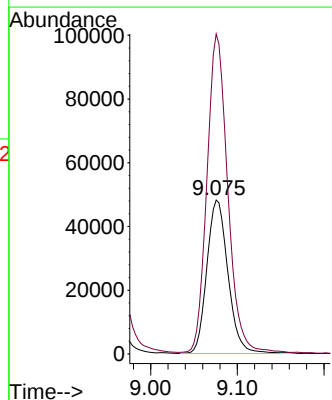
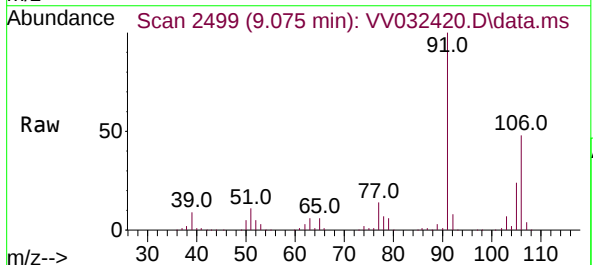
Instrument :
MSVOA_V
ClientSampleId :

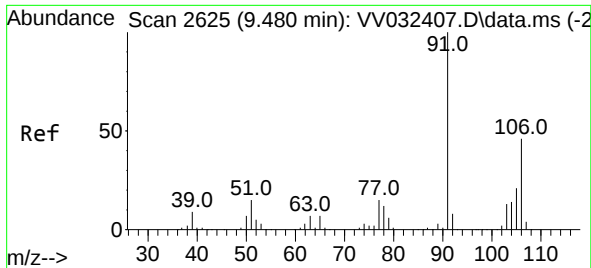
Tgt Ion: 91 Resp: 216285
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.5



#53
m,p-Xylene
Concen: 4.506 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion: 106 Resp: 81363
Ion Ratio Lower Upper
106 100
91 207.9 144.5 268.3

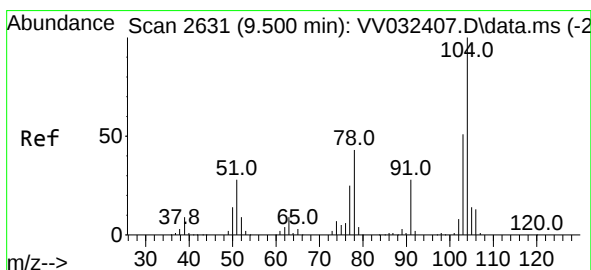
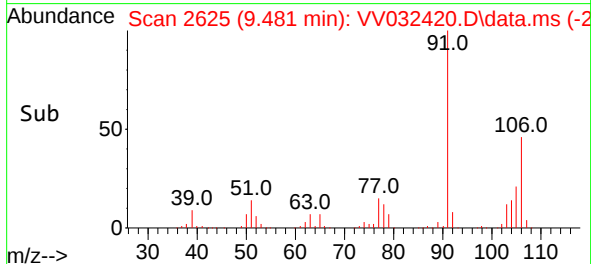
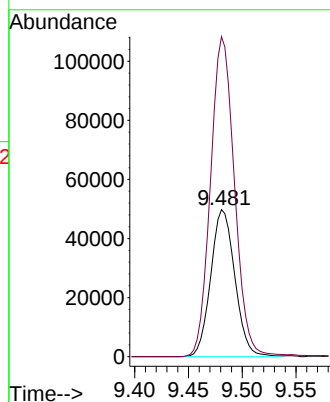
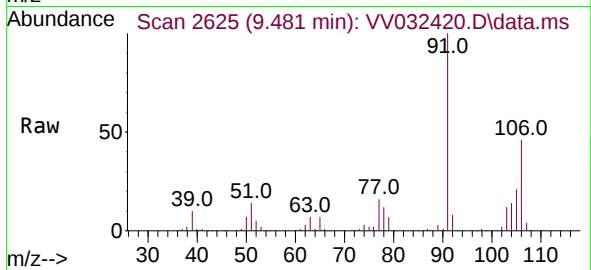




#54
o-Xylene
Concen: 4.462 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

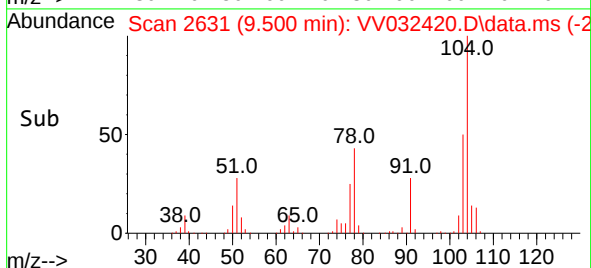
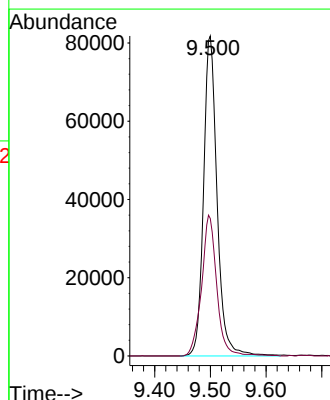
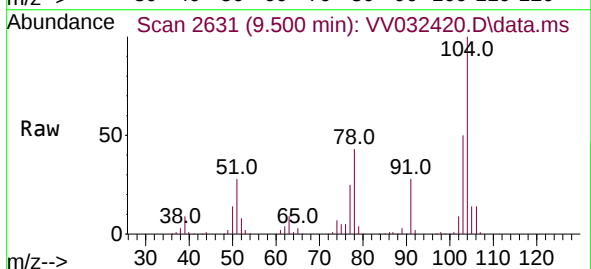
Instrument :
MSVOA_V
ClientSampleId :

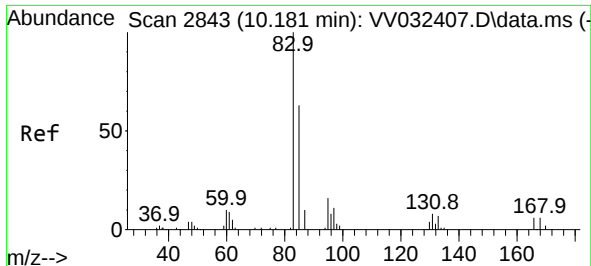
Tgt Ion:106 Resp: 77631
Ion Ratio Lower Upper
106 100
91 217.7 154.8 287.4



#55
Styrene
Concen: 4.705 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion:104 Resp: 138260
Ion Ratio Lower Upper
104 100
78 42.9 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.770 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

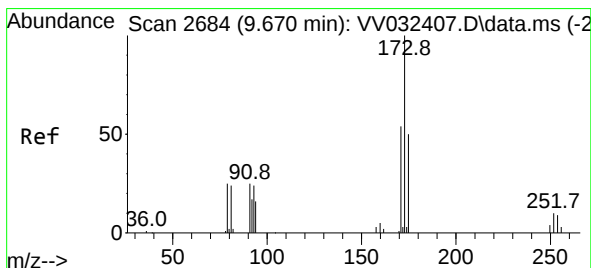
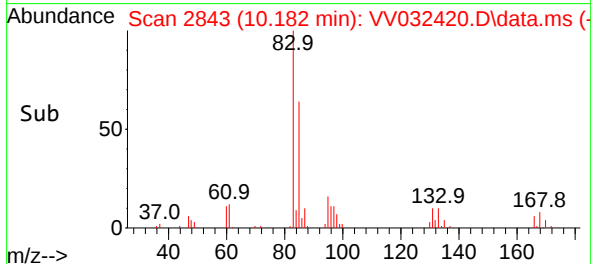
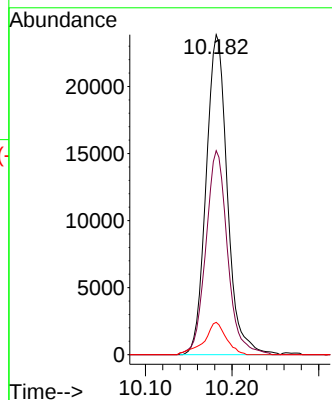
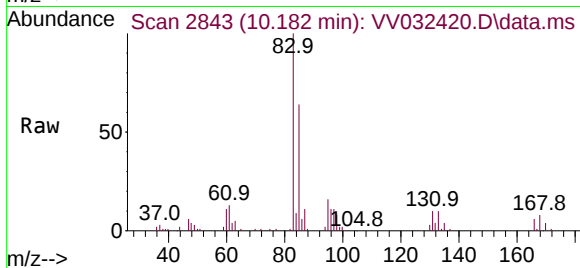
Tgt Ion: 83 Resp: 40606

Ion Ratio Lower Upper

83 100

85 63.7 43.6 81.0

131 10.1 7.0 10.6



#59

Bromoform

Concen: 4.190 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

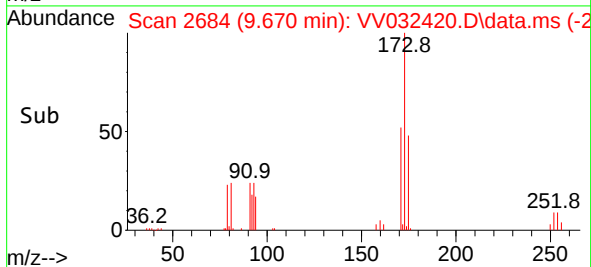
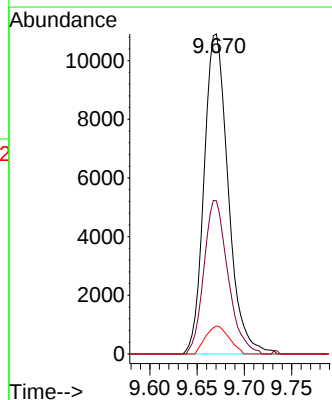
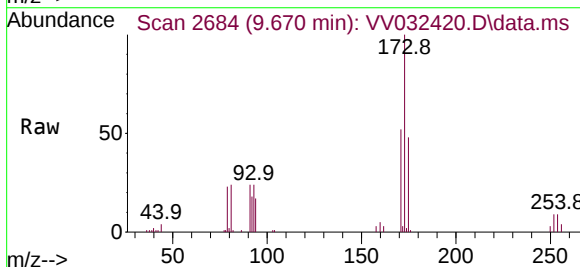
Tgt Ion: 173 Resp: 19364

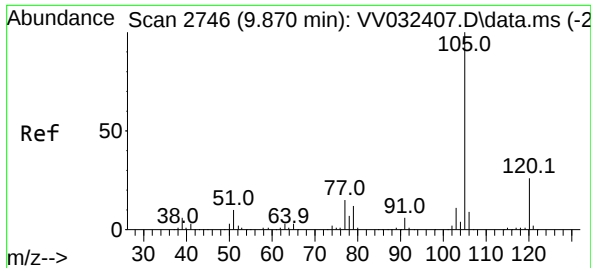
Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.2

254 8.5 7.0 10.4

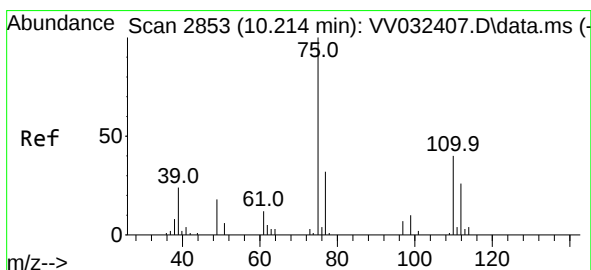
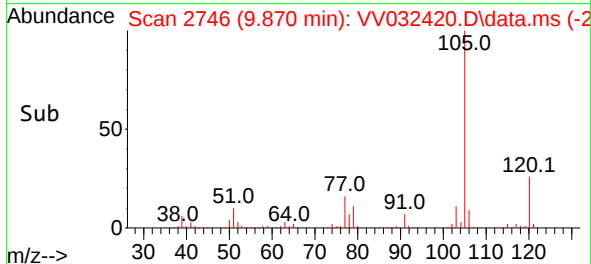
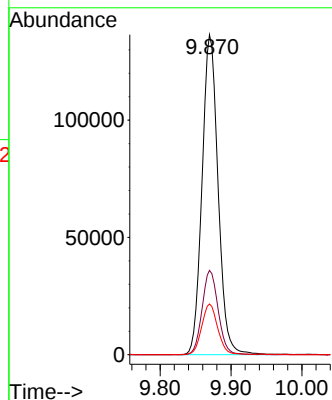
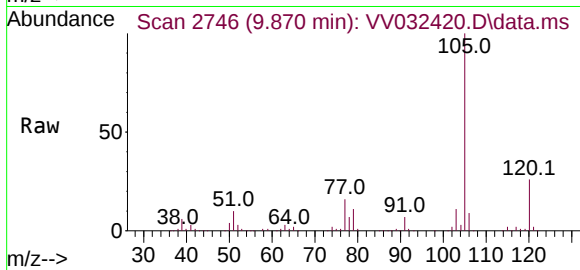




#60
Isopropylbenzene
Concen: 4.339 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

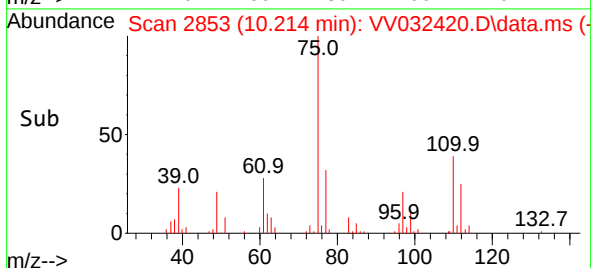
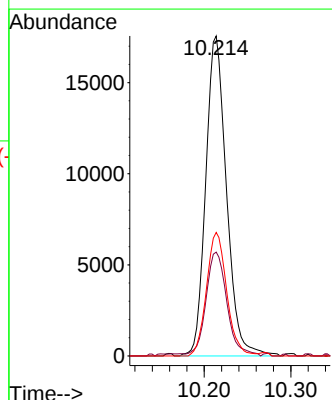
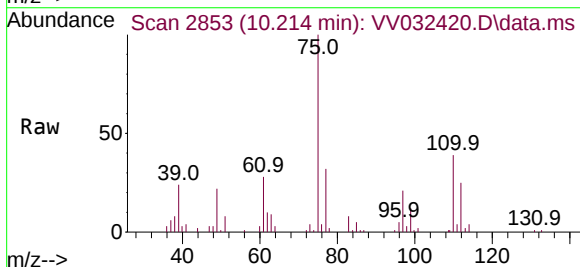
Instrument :
MSVOA_V
ClientSampleId :

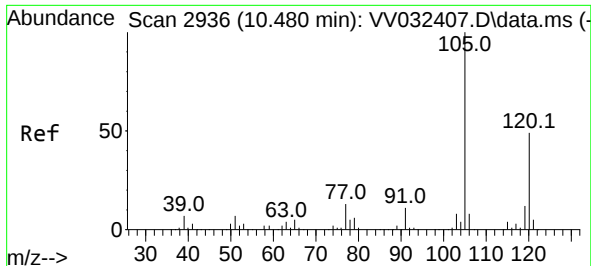
Tgt Ion:105 Resp: 214339
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.328 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion: 75 Resp: 29277
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.2
110 37.6 30.6 46.0

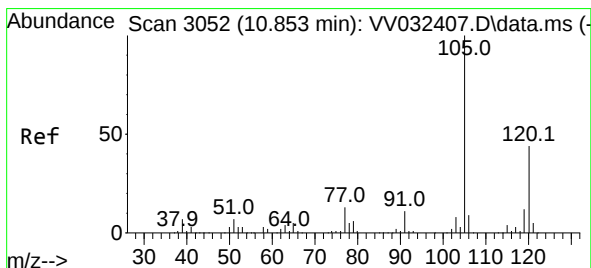
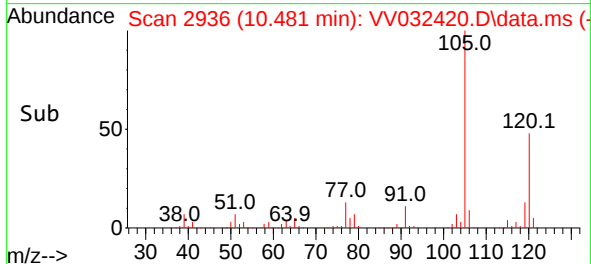
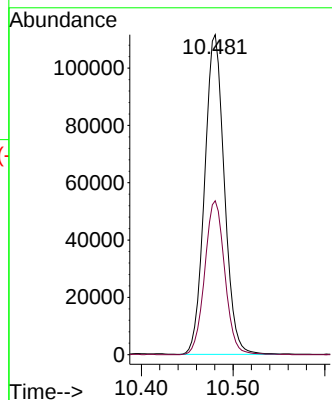
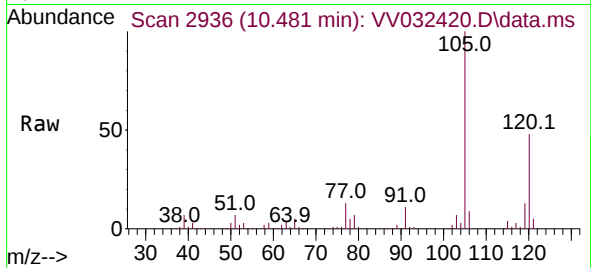




#62
1,3,5-Trimethylbenzene
Concen: 4.144 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

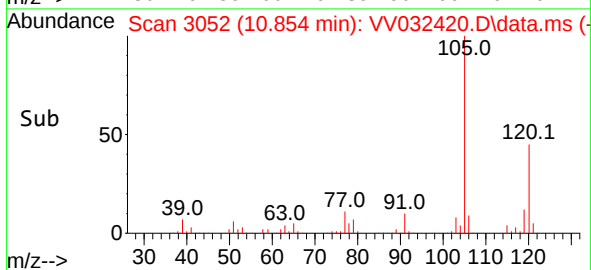
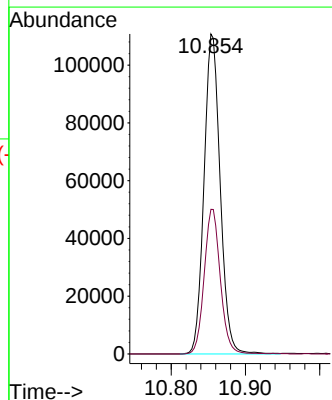
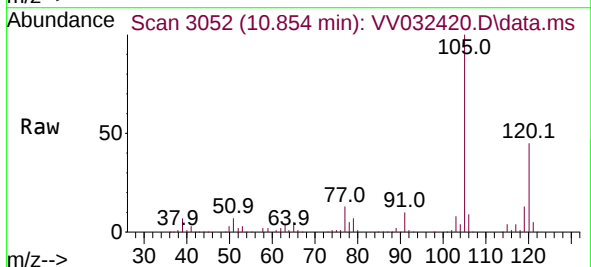
Instrument :
MSVOA_V
ClientSampleId :

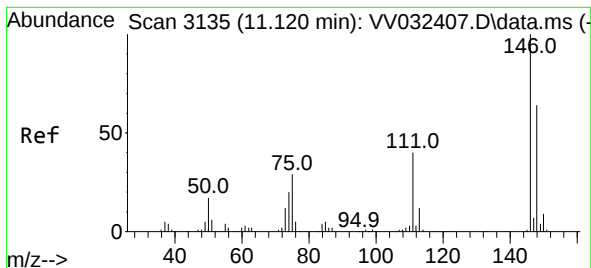
Tgt Ion:105 Resp: 166814
Ion Ratio Lower Upper
105 100
120 49.0 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 4.173 ug/L
RT: 10.854 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion:105 Resp: 167268
Ion Ratio Lower Upper
105 100
120 45.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 4.405 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

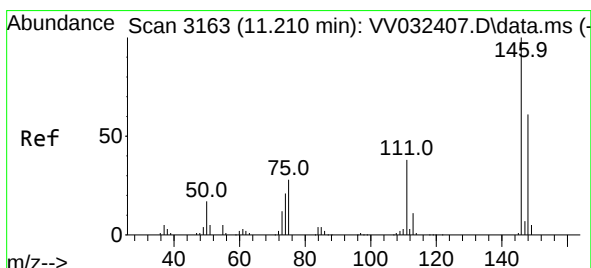
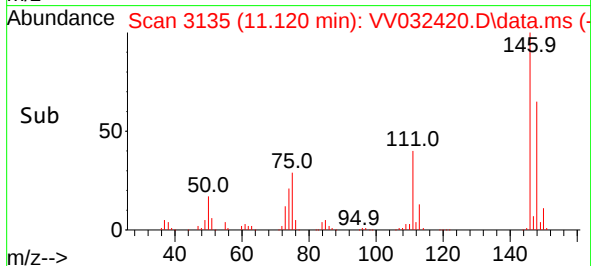
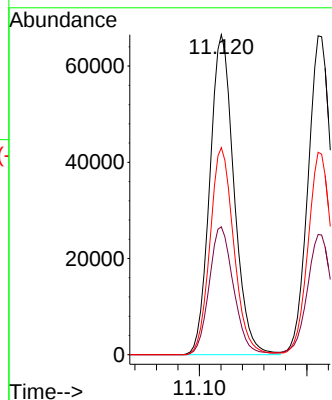
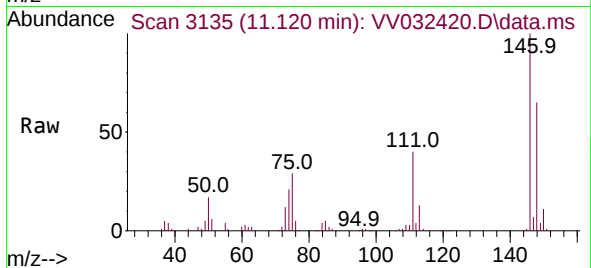
Tgt Ion:146 Resp: 103934

Ion Ratio Lower Upper

146 100

111 40.0 27.8 51.6

148 64.7 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 4.449 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

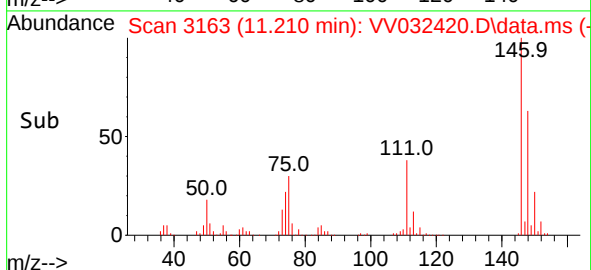
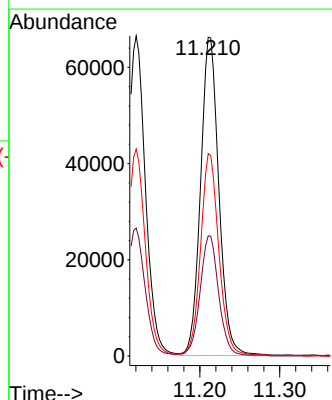
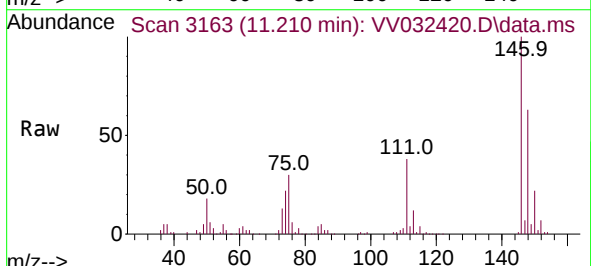
Tgt Ion:146 Resp: 105314

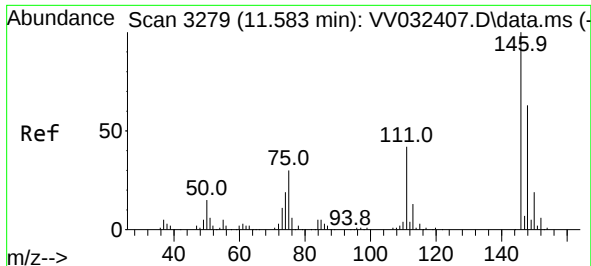
Ion Ratio Lower Upper

146 100

111 37.7 26.9 49.9

148 63.4 44.8 83.2

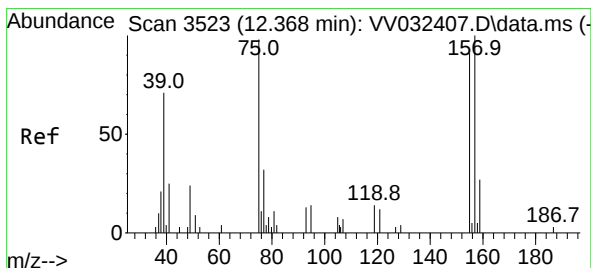
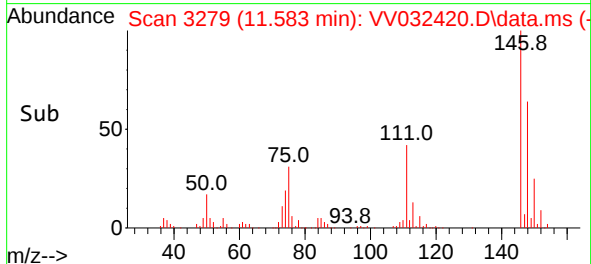
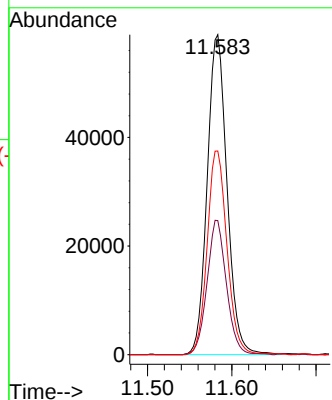
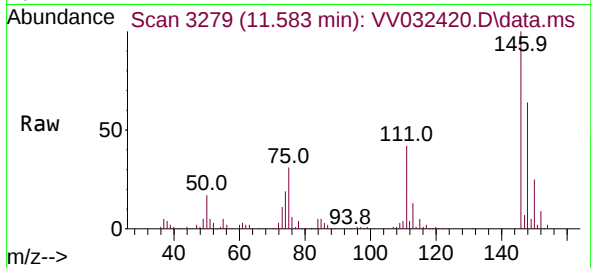




#67
1,2-Dichlorobenzene
Concen: 4.485 ug/L
RT: 11.583 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

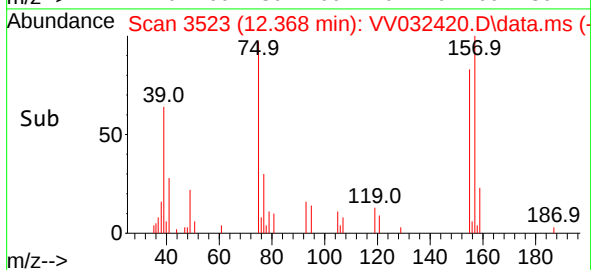
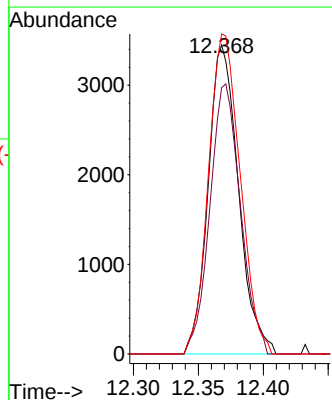
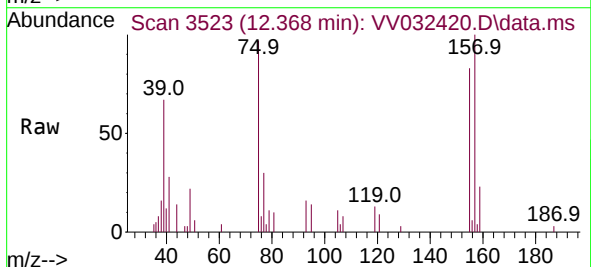
Instrument :
MSVOA_V
ClientSampleId :

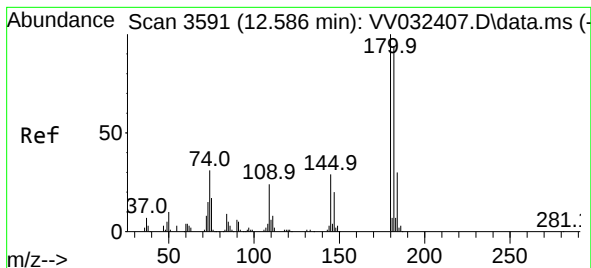
Tgt Ion:146 Resp: 96511
Ion Ratio Lower Upper
146 100
111 41.9 32.8 49.2
148 63.7 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.045 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV032420.D
Acq: 12 Oct 2023 16:33

Tgt Ion: 75 Resp: 5591
Ion Ratio Lower Upper
75 100
155 86.2 70.2 105.4
157 103.6 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 4.333 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

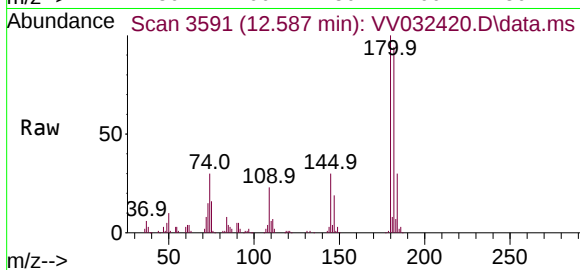
Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 74871

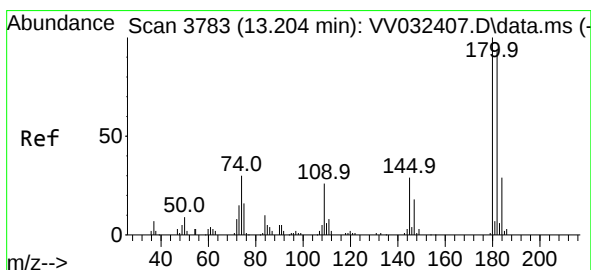
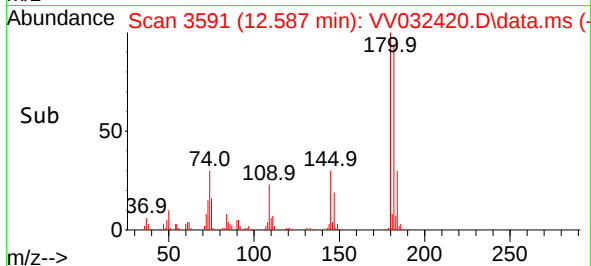
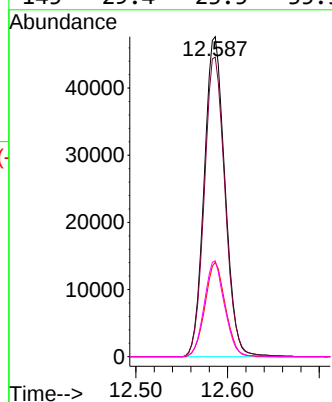
Ion Ratio Lower Upper

180 100

182 93.6 74.6 112.0

184 28.9 24.1 36.1

145 29.4 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 4.037 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

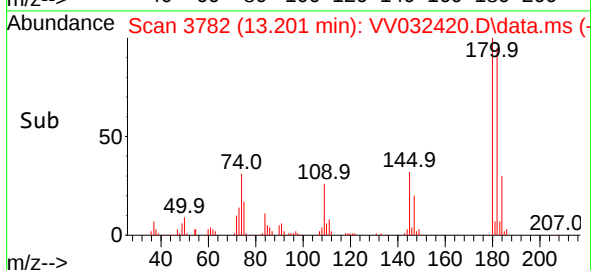
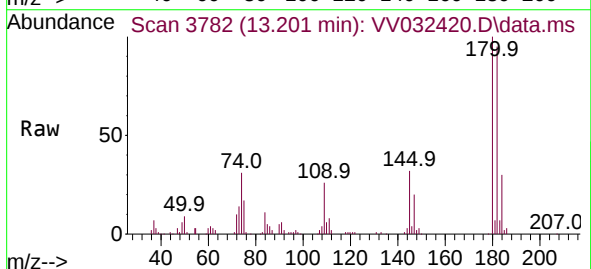
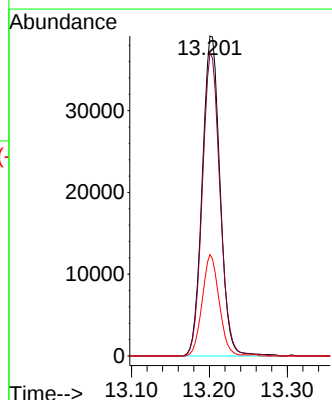
Tgt Ion:180 Resp: 61882

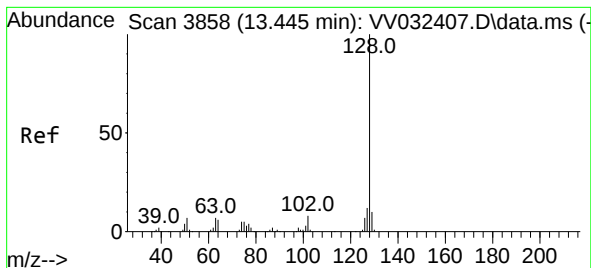
Ion Ratio Lower Upper

180 100

182 94.6 76.5 114.7

145 30.2 24.3 36.5





#71

Naphthalene

Concen: 3.439 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.003 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Instrument :

MSVOA_V

ClientSampleId :

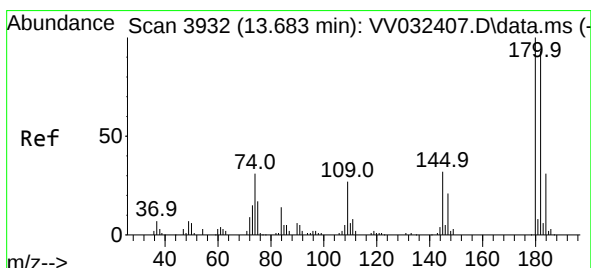
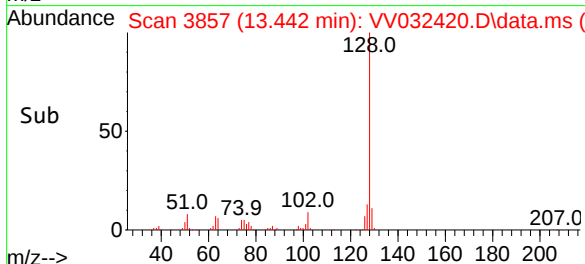
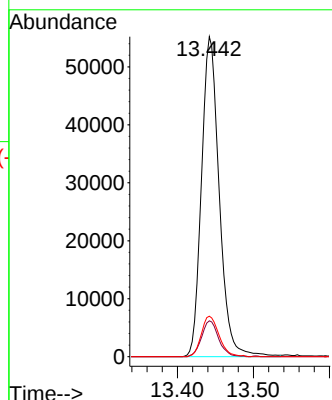
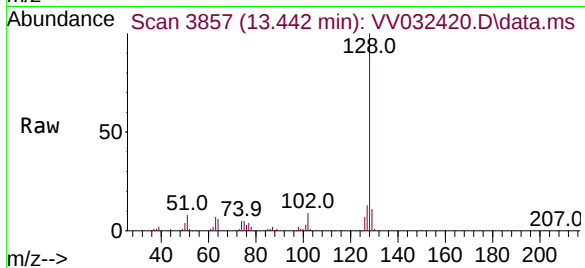
Tgt Ion:128 Resp: 89548

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 12.6 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.260 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032420.D

Acq: 12 Oct 2023 16:33

Tgt Ion:180 Resp: 56267

Ion Ratio Lower Upper

180 100

182 93.2 77.0 115.4

145 32.7 25.7 38.5

