

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100223\
 Data File : VW032205.D
 Acq On : 02 Oct 2023 17:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 03 02:01:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 03 01:57:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	223949	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	219189	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	118742	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	50678	36.567	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.140%
7) Chloroethane-d5	1.529	69	47067	39.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.740%
11) 1,1-Dichloroethene-d2	2.060	65	22507	37.191	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.380%
21) 2-Butanone-d5	3.786	46	115388	92.594	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.590%
24) Chloroform-d	4.252	84	121981	42.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.120%
26) 1,2-Dichloroethane-d4	4.947	65	73731	42.253	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.500%
32) Benzene-d6	4.963	84	226407	39.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.580%
36) 1,2-Dichloropropane-d6	5.992	67	78830	40.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.000%
41) Toluene-d8	7.246	98	203496	38.712	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.420%#
43) trans-1,3-Dichloroprop...	7.555	79	35994	39.349	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.700%
47) 2-Hexanone-d5	8.027	63	73934	89.039	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.040%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	119361	43.645	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.300%
66) 1,2-Dichlorobenzene-d4	11.564	152	89031	41.345	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	83813	44.197	ug/L	98
3) Chloromethane	1.217	50	93811	45.619	ug/L	96
5) Vinyl chloride	1.281	62	92187	45.512	ug/L	100
6) Bromomethane	1.481	94	56243	48.937	ug/L	98
8) Chloroethane	1.545	64	58122	46.096	ug/L	100
9) Trichlorofluoromethane	1.712	101	122231	47.016	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72968	46.546	ug/L	99
12) 1,1-Dichloroethene	2.069	96	67038	46.218	ug/L	95
13) Acetone	2.111	43	91838	78.777	ug/L	99
14) Carbon disulfide	2.240	76	206174	44.415	ug/L	99
15) Methyl Acetate	2.371	43	97857	47.050	ug/L	99
16) Methylene chloride	2.445	84	85024	46.427	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	73263	44.807	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	246707	45.098	ug/L	99
19) 1,1-Dichloroethane	3.114	63	145482	45.377	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	85146	46.249	ug/L	99
22) 2-Butanone	3.867	43	131537	84.042	ug/L	100
23) Bromochloromethane	4.150	128	42145	45.705	ug/L	98
25) Chloroform	4.278	83	144112	46.048	ug/L	98

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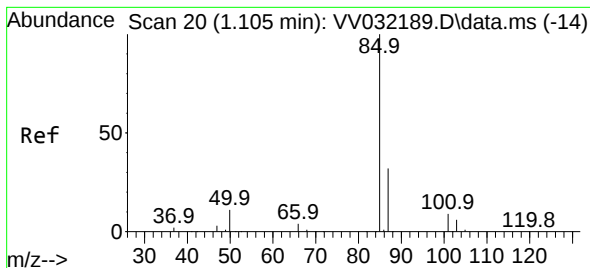
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 Quant Title : VOC Analysis
 QLast Update : Tue Oct 03 01:57:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	107079	45.268	ug/L	99
29) Cyclohexane	4.587	56	129890	42.449	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	123452	45.168	ug/L	99
31) Carbon tetrachloride	4.738	117	105823	44.832	ug/L	99
33) Benzene	5.011	78	316541	45.273	ug/L	100
34) Trichloroethene	5.834	95	87852	45.639	ug/L	99
35) Methylcyclohexane	6.053	83	128934	41.894	ug/L	100
37) 1,2-Dichloropropane	6.095	63	83489	43.518	ug/L	100
38) Bromodichloromethane	6.436	83	108179	44.857	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	134047	44.059	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	261575	91.482	ug/L	100
42) Toluene	7.317	91	336006	45.012	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	121671	43.669	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	83168	45.447	ug/L	99
46) Tetrachloroethene	7.908	164	61091	43.674	ug/L	99
48) 2-Hexanone	8.079	43	199520	89.325	ug/L	100
49) Dibromochloromethane	8.178	129	82667	45.433	ug/L	99
50) 1,2-Dibromoethane	8.284	107	88851	45.596	ug/L	99
51) Chlorobenzene	8.818	112	213281	44.282	ug/L	99
52) Ethylbenzene	8.950	91	369676	44.335	ug/L	99
53) m,p-Xylene	9.075	106	137772	44.347	ug/L	100
54) o-Xylene	9.480	106	134536	43.959	ug/L	100
55) Styrene	9.500	104	237220	45.434	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	126964	44.525	ug/L	99
59) Bromoform	9.667	173	59897	45.395	ug/L	98
60) Isopropylbenzene	9.870	105	370059	44.777	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	103101	44.667	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	302773	44.591	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	296378	44.376	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	170484	44.124	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	173589	44.476	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	168272	44.277	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	27583	43.280	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	119531	42.725	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	109200	41.503	ug/L	98
71) Naphthalene	13.442	128	345527	39.866	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	112247	42.938	ug/L	98

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

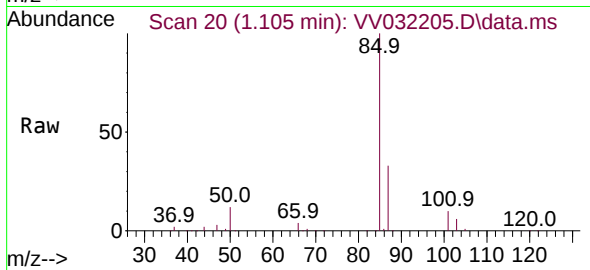
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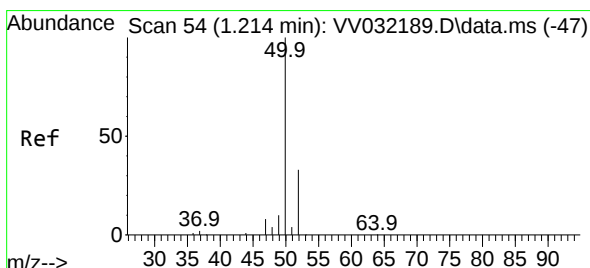
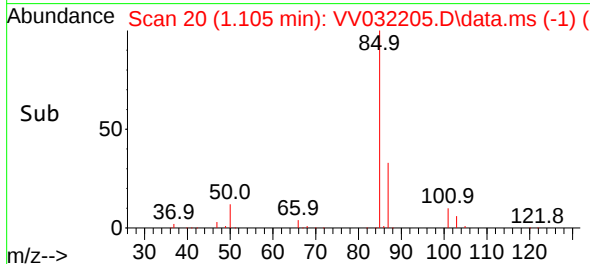
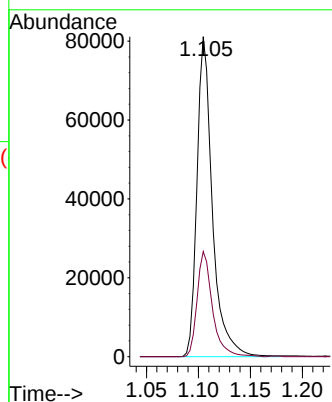


#2
 Dichlorodifluoromethane
 Concen: 44.197 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

Instrument :
 MSVOA_V
 ClientSampleId :

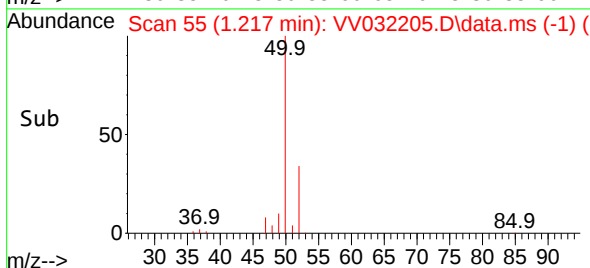
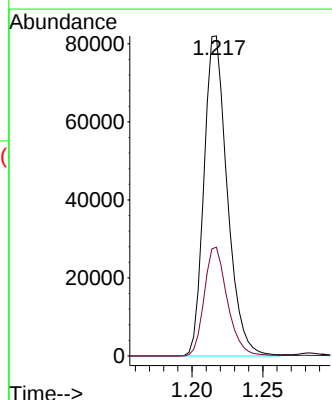
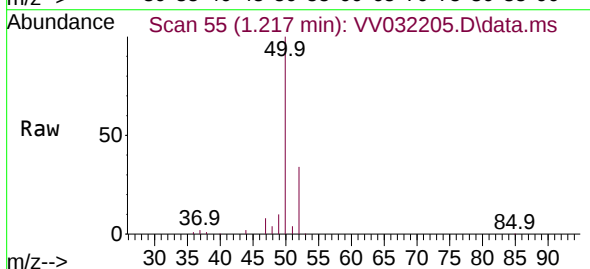


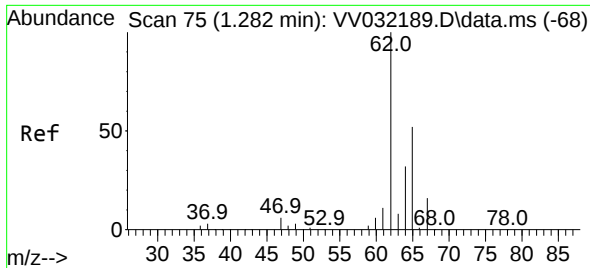
Tgt Ion: 85 Resp: 83813
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.4 38.0



#3
 Chloromethane
 Concen: 45.619 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

Tgt Ion: 50 Resp: 93811
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.4 41.6

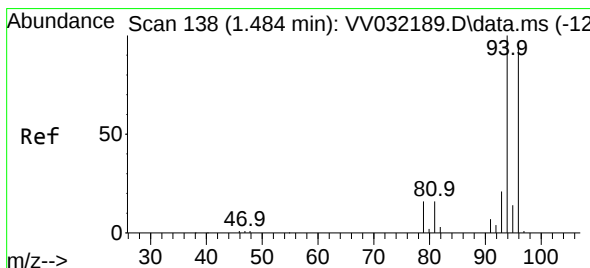
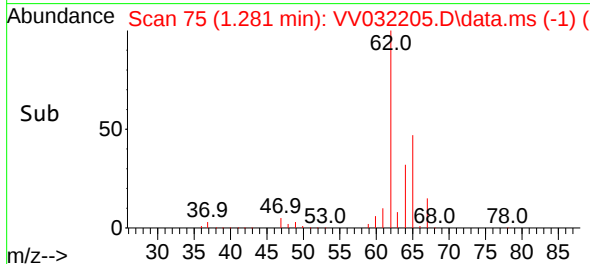
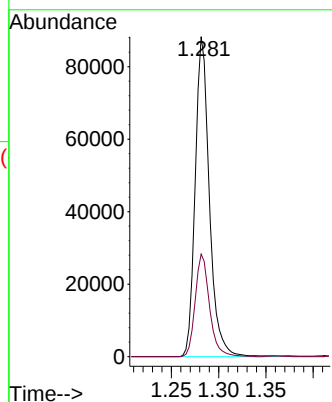
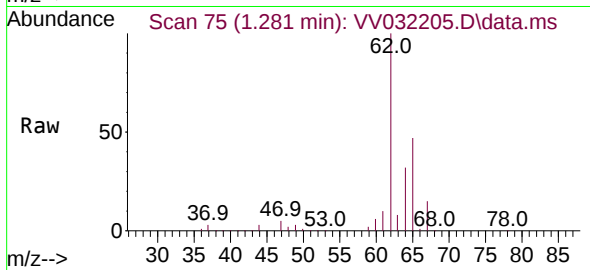




#5
 Vinyl chloride
 Concen: 45.512 ug/L
 RT: 1.281 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

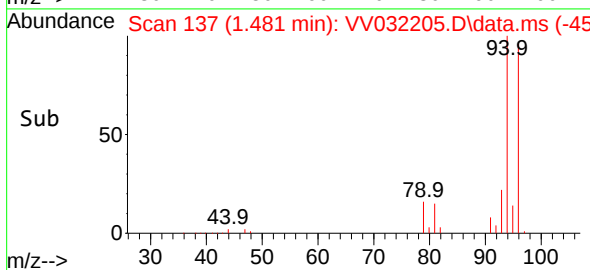
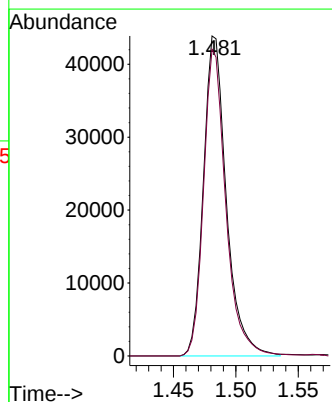
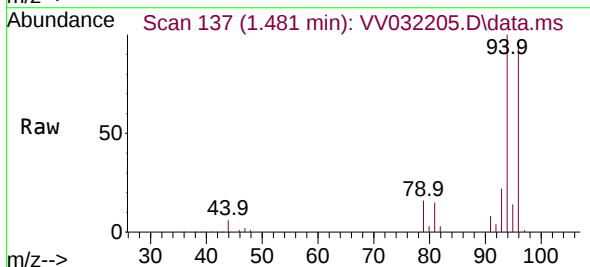
Instrument :
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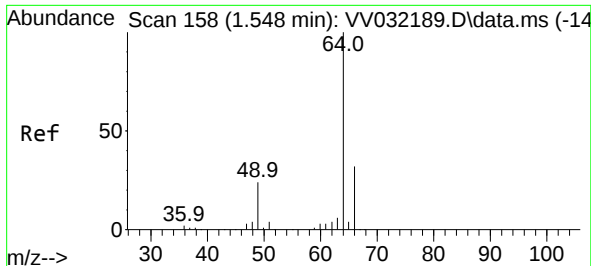
Tgt Ion: 62 Resp: 92187
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.5 41.9



#6
 Bromomethane
 Concen: 48.937 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

Tgt Ion: 94 Resp: 56243
 Ion Ratio Lower Upper
 94 100
 96 95.8 65.7 122.1

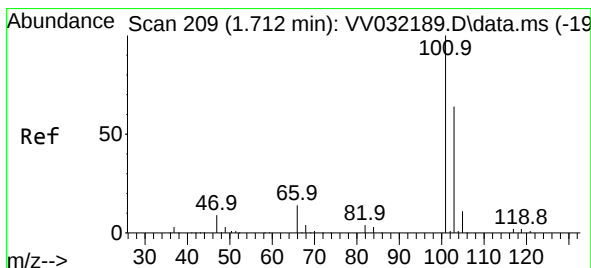
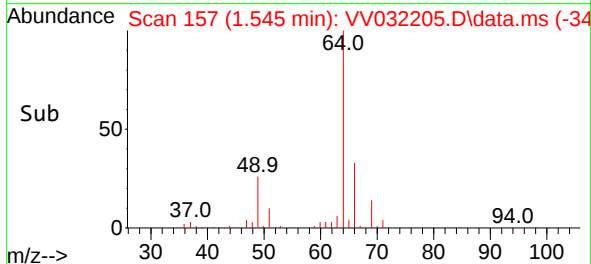
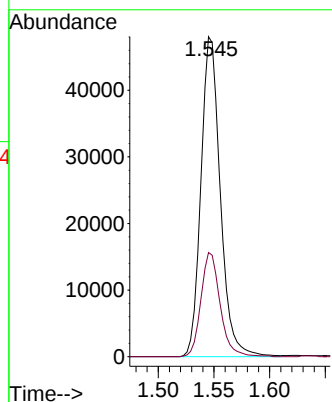
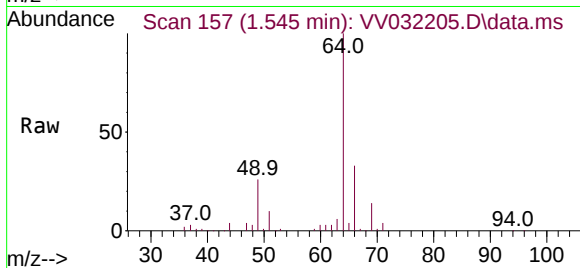




#8
Chloroethane
Concen: 46.096 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

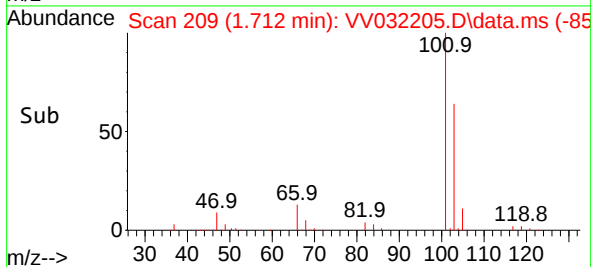
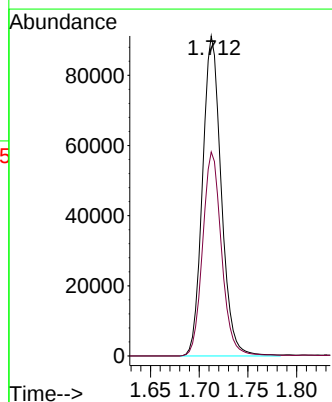
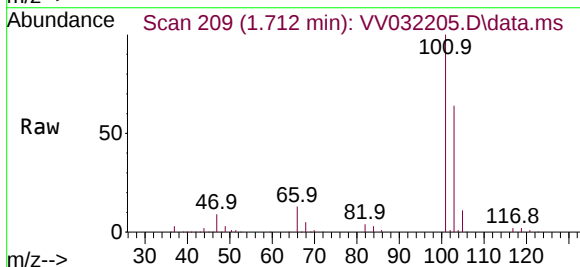
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MSVOA_V
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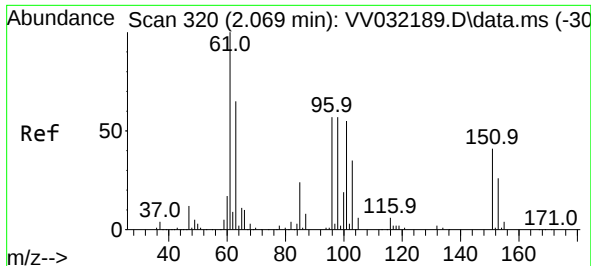
Tgt Ion: 64 Resp: 58122
Ion Ratio Lower Upper
64 100
66 32.5 23.0 42.6



#9
Trichlorofluoromethane
Concen: 47.016 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion:101 Resp: 122231
Ion Ratio Lower Upper
101 100
103 64.3 52.1 78.1





#10

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

Concen: 46.546 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

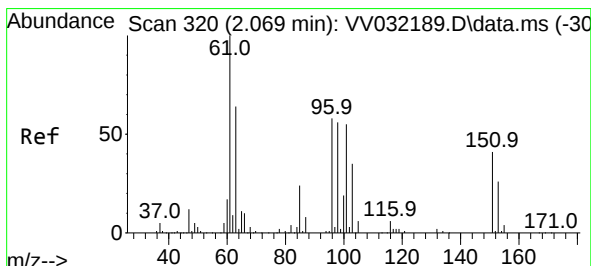
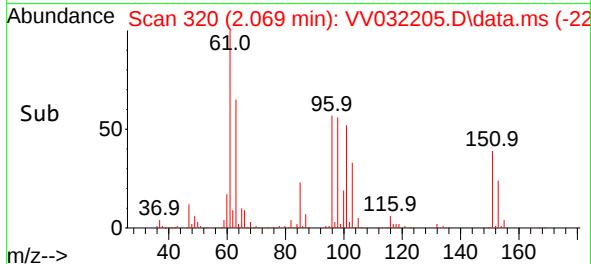
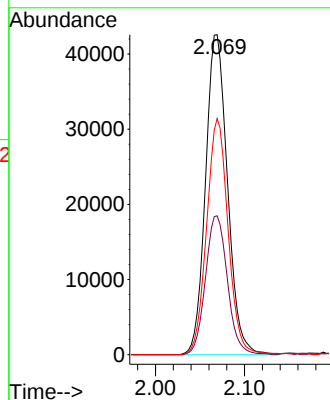
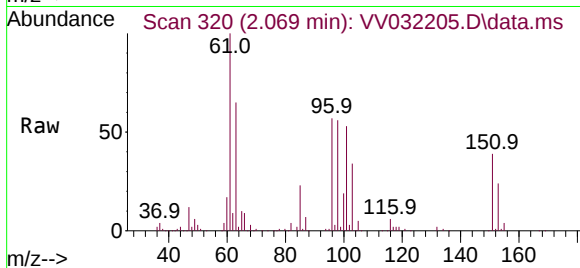
Tgt Ion:101 Resp: 72968

Ion Ratio Lower Upper

101 100

85 43.2 35.4 53.2

151 72.0 57.6 86.4



#12

1,1-Dichloroethene

Concen: 46.218 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

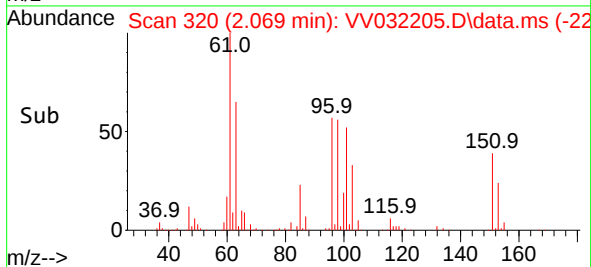
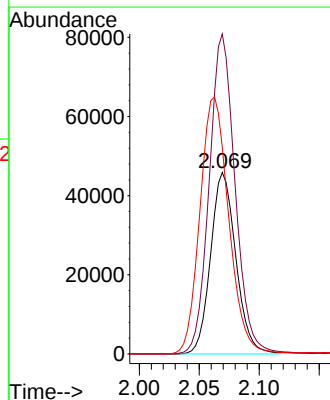
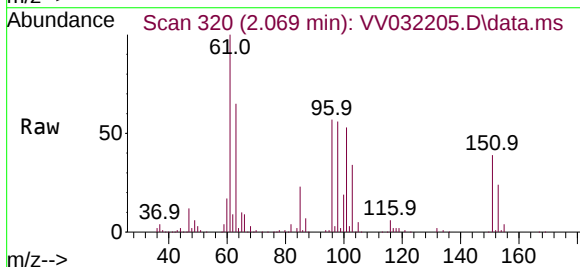
Tgt Ion: 96 Resp: 67038

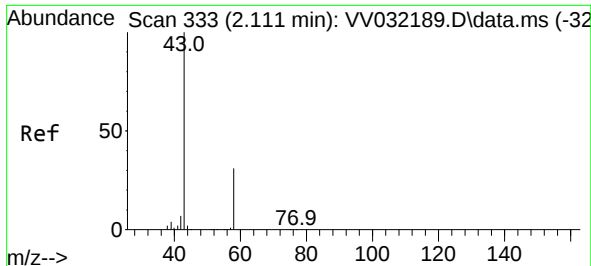
Ion Ratio Lower Upper

96 100

61 176.4 123.7 229.7

63 114.1 89.9 167.0





#13

Acetone

Concen: 78.777 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

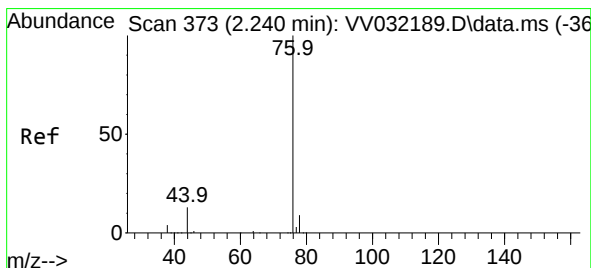
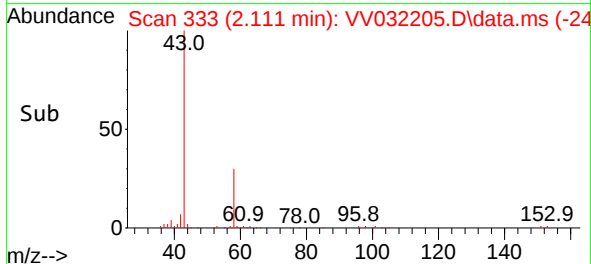
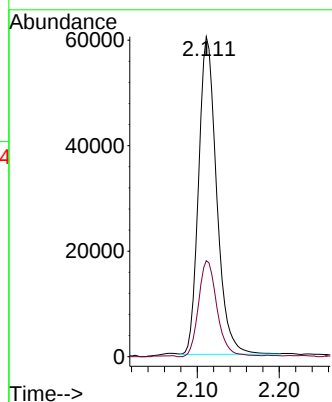
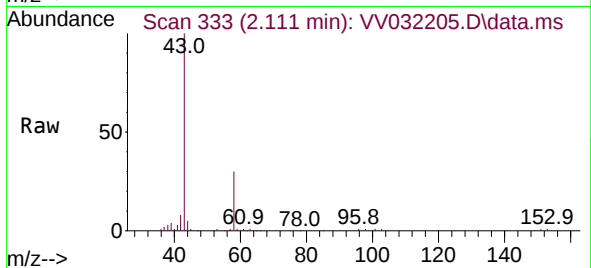
ClientSampleId :

Tgt Ion: 43 Resp: 91838

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.4



#14

Carbon disulfide

Concen: 44.415 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032205.D

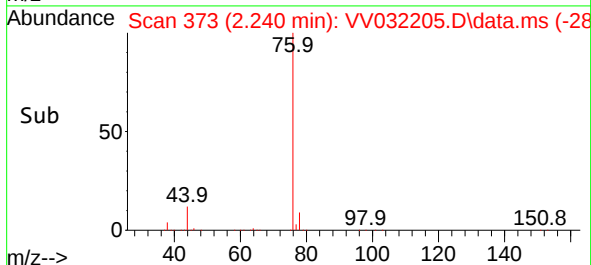
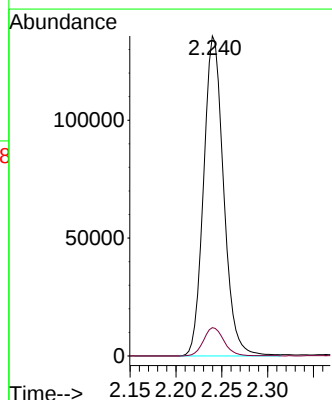
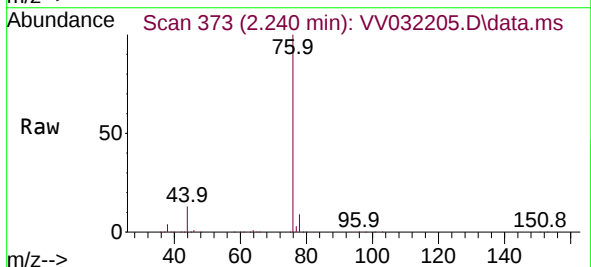
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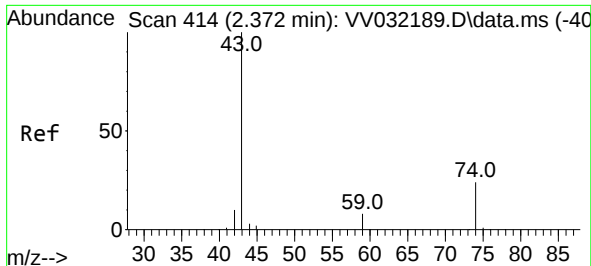
Tgt Ion: 76 Resp: 206174

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

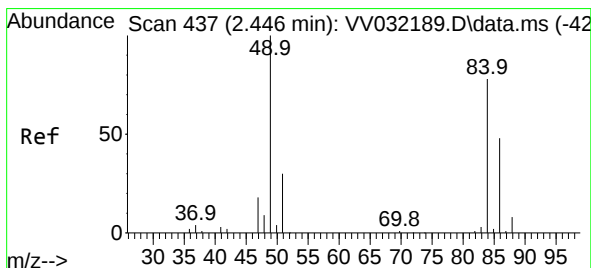
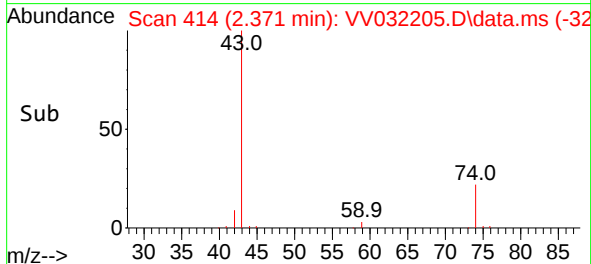
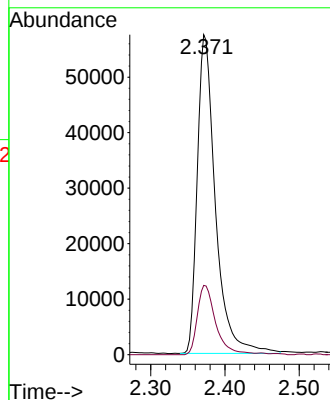
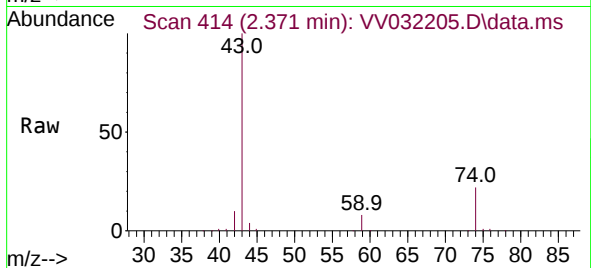




#15
Methyl Acetate
Concen: 47.050 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

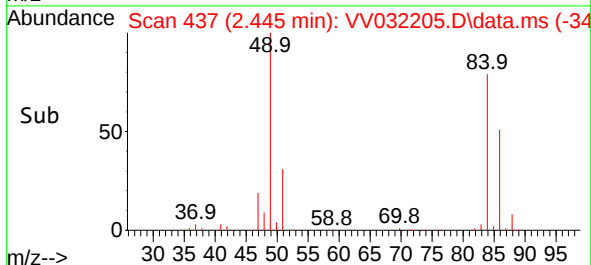
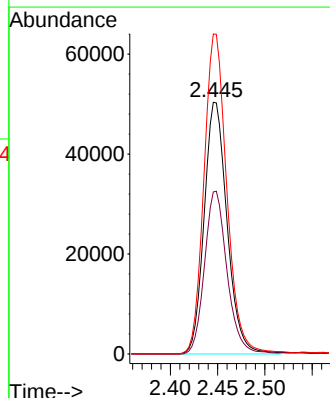
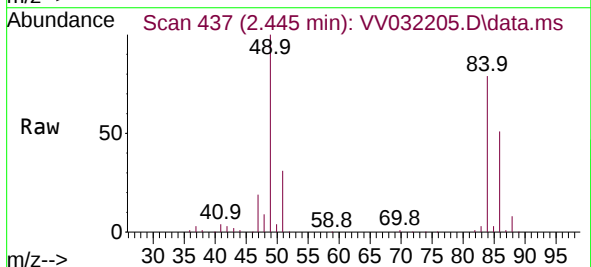
Instrument :
MSVOA_V
ClientSampleId :

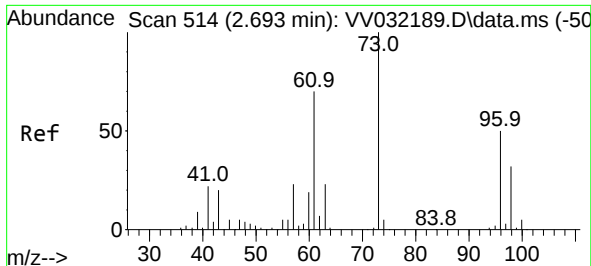
Tgt Ion: 43 Resp: 97857
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.8



#16
Methylene chloride
Concen: 46.427 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion: 84 Resp: 85024
Ion Ratio Lower Upper
84 100
86 64.4 45.4 84.4
49 127.1 88.5 164.4





#17

trans-1,2-Dichloroethene

Concen: 44.807 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

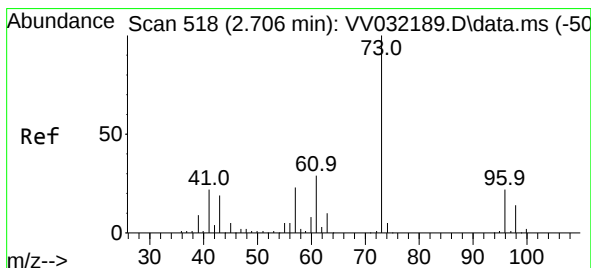
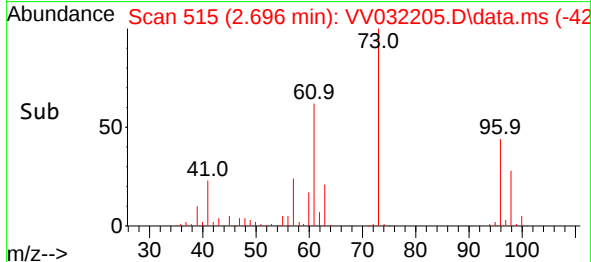
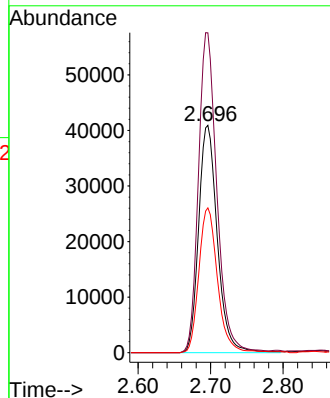
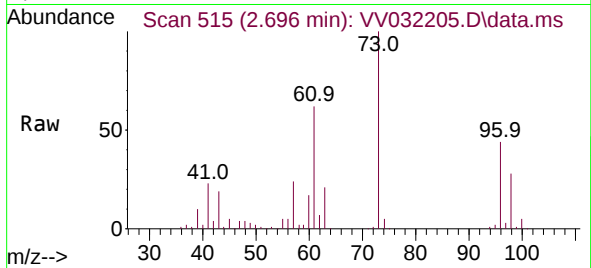
Tgt Ion: 96 Resp: 73263

Ion Ratio Lower Upper

96 100

61 140.7 97.4 180.8

98 63.7 45.2 84.0



#18

Methyl tert-butyl Ether

Concen: 45.098 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

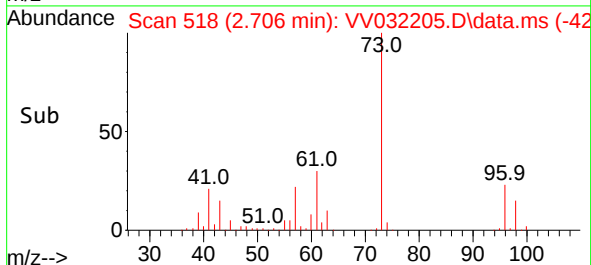
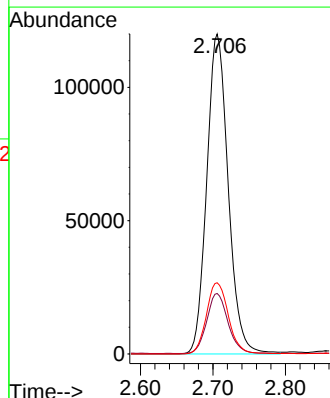
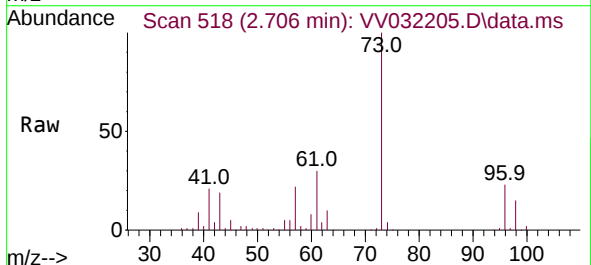
Tgt Ion: 73 Resp: 246707

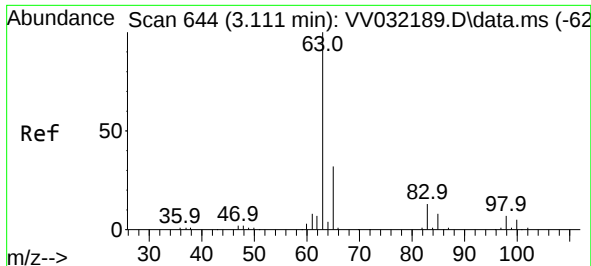
Ion Ratio Lower Upper

73 100

43 18.6 15.3 22.9

57 22.8 18.6 28.0





#19

1,1-Dichloroethane

Concen: 45.377 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

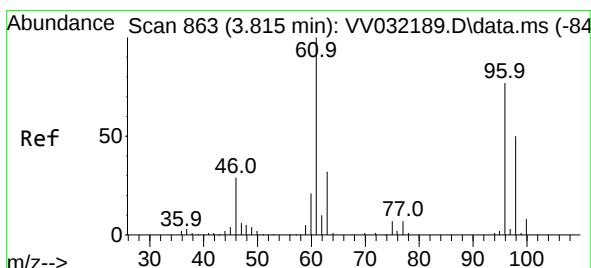
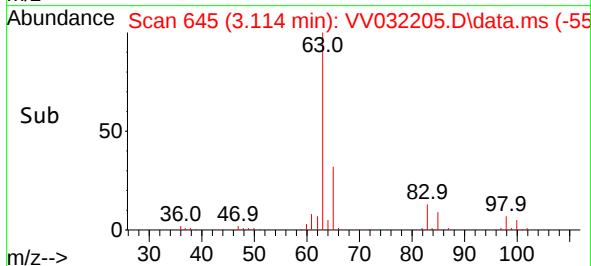
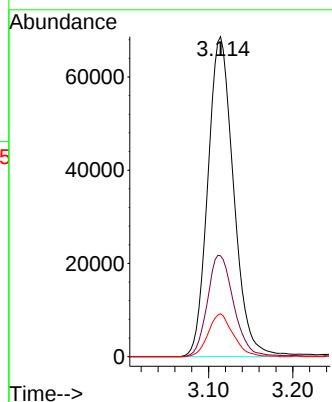
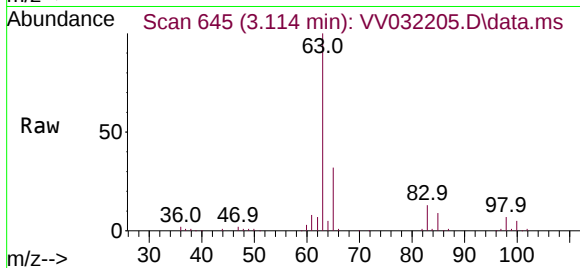
Tgt Ion: 63 Resp: 145482

Ion Ratio Lower Upper

63 100

65 31.6 22.7 42.3

83 13.4 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 46.249 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

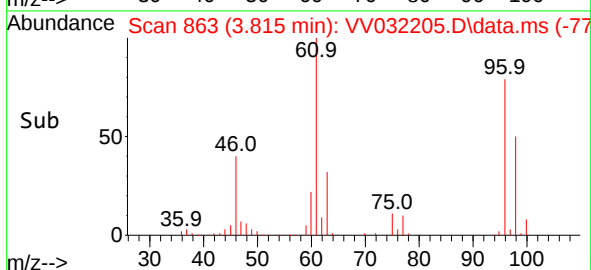
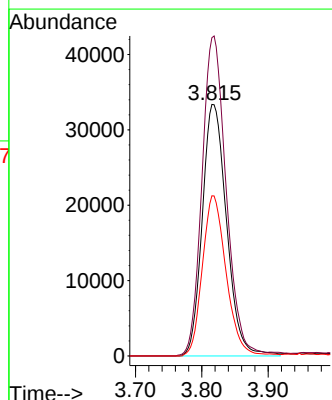
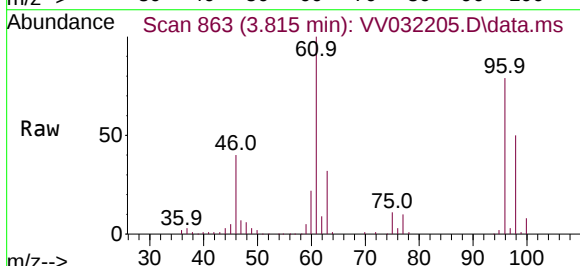
Tgt Ion: 96 Resp: 85146

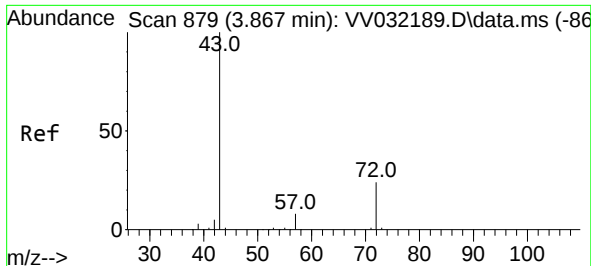
Ion Ratio Lower Upper

96 100

61 126.6 88.3 164.1

98 63.7 43.3 80.3

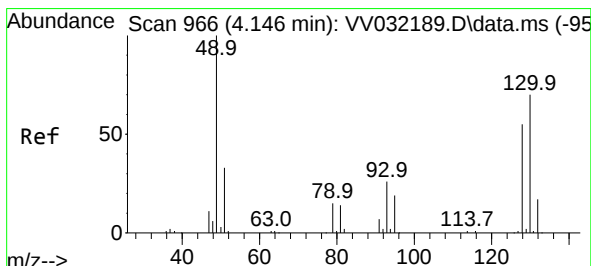
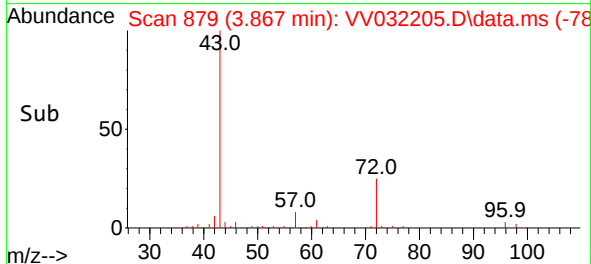
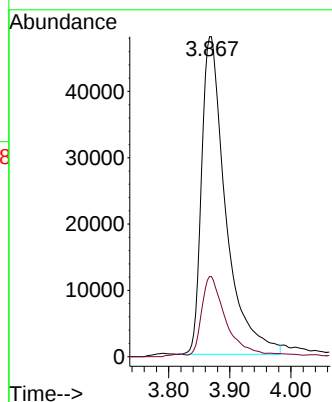
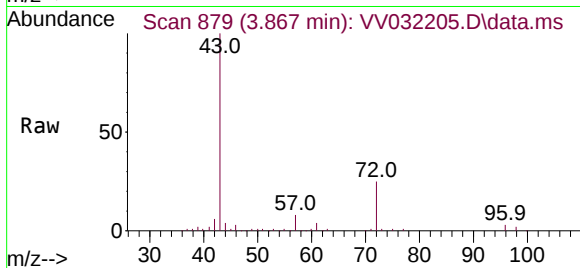




#22
2-Butanone
Concen: 84.042 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

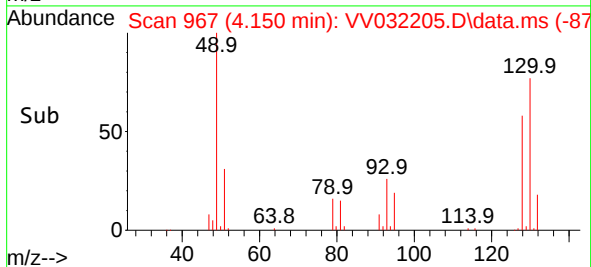
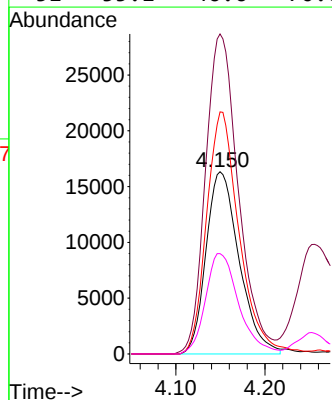
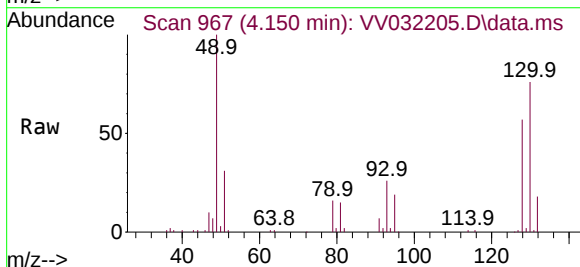
Instrument :
MSVOA_V
ClientSampleId :

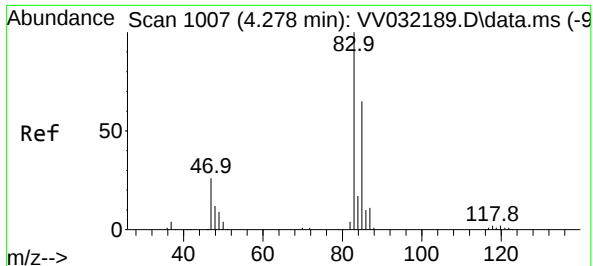
Tgt Ion: 43 Resp: 131537
Ion Ratio Lower Upper
43 100
72 24.1 12.0 36.0



#23
Bromochloromethane
Concen: 45.705 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion:128 Resp: 42145
Ion Ratio Lower Upper
128 100
49 175.6 125.0 232.2
130 132.9 92.3 171.5
51 55.1 46.6 70.0





#25

Chloroform

Concen: 46.048 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

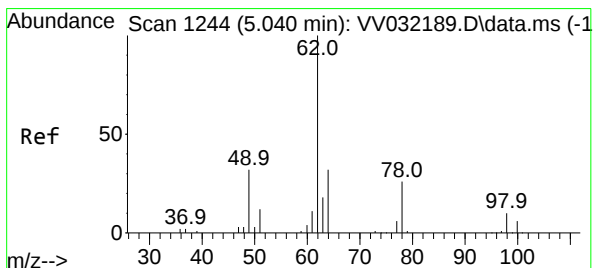
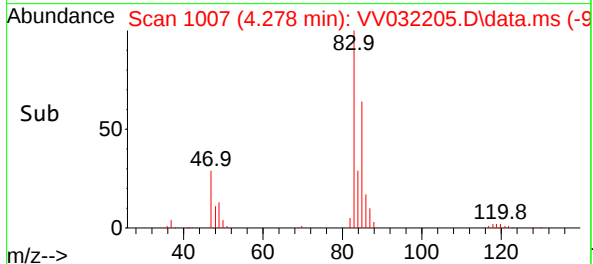
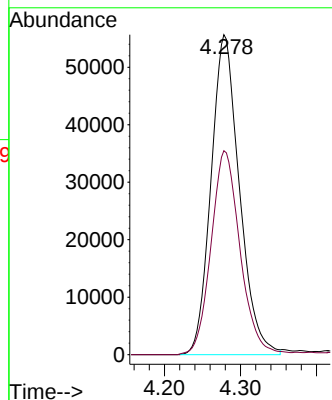
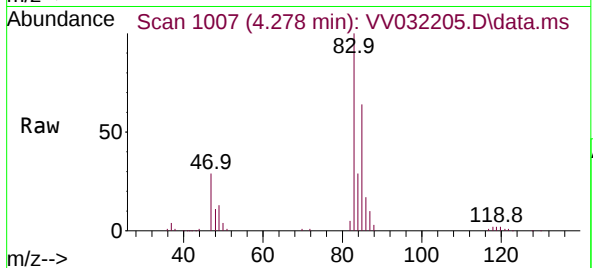
ClientSampleId :

Tgt Ion: 83 Resp: 144112

Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 45.268 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032205.D

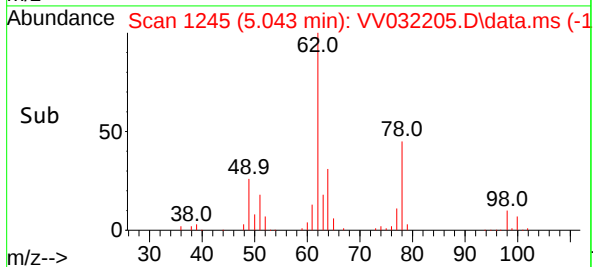
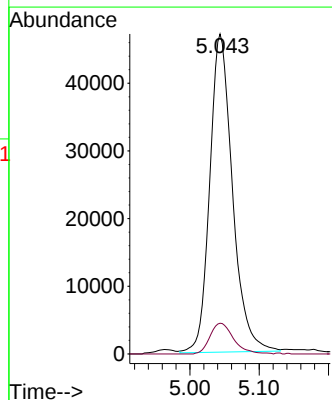
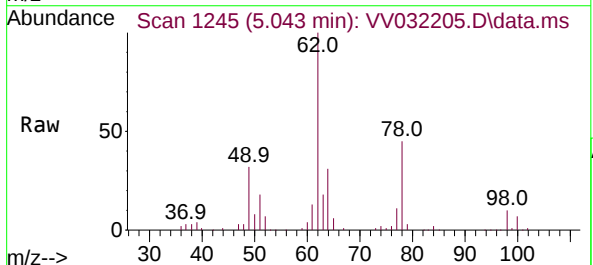
Acq: 02 Oct 2023 17:46

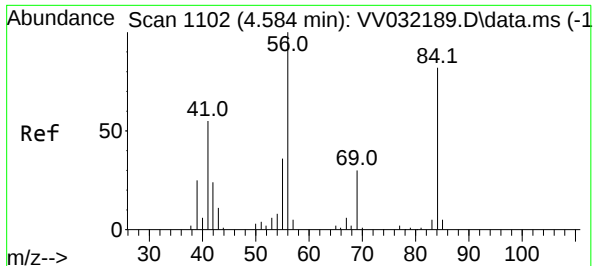
Tgt Ion: 62 Resp: 107079

Ion Ratio Lower Upper

62 100

98 9.6 8.1 12.1





#29

Cyclohexane

Concen: 42.449 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

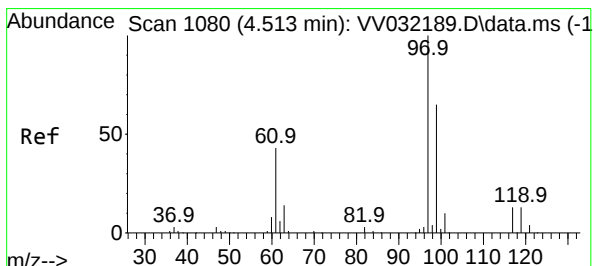
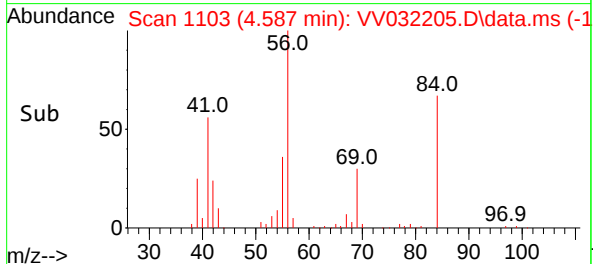
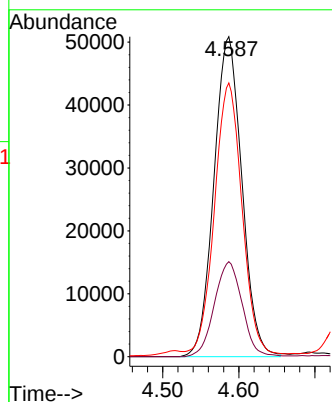
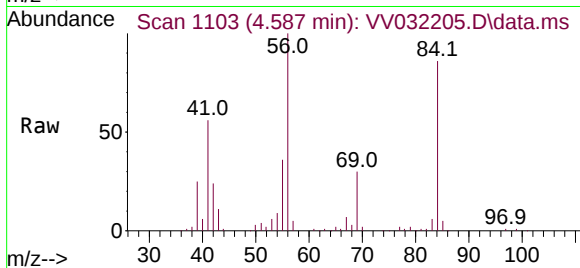
Tgt Ion: 56 Resp: 129890

Ion Ratio Lower Upper

56 100

69 29.4 23.3 34.9

84 83.2 66.2 99.2



#30

1,1,1-Trichloroethane

Concen: 45.168 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

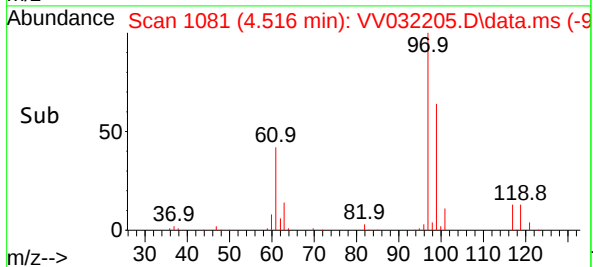
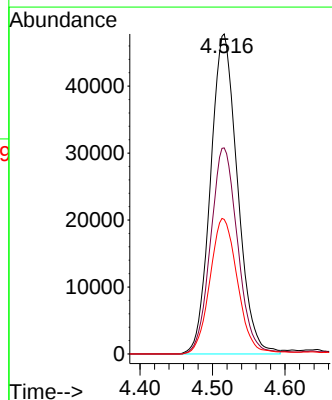
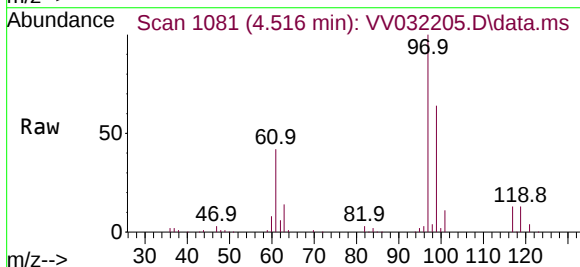
Tgt Ion: 97 Resp: 123452

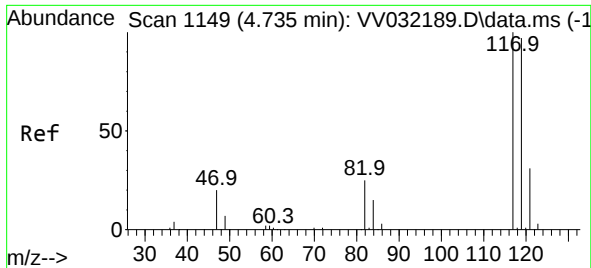
Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

61 43.2 35.0 52.6

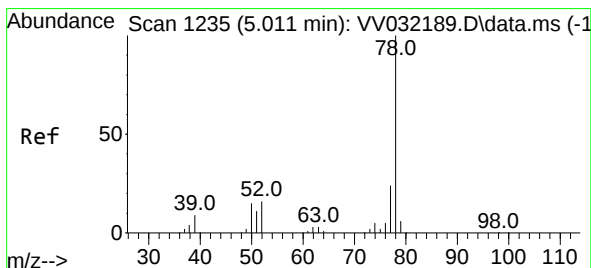
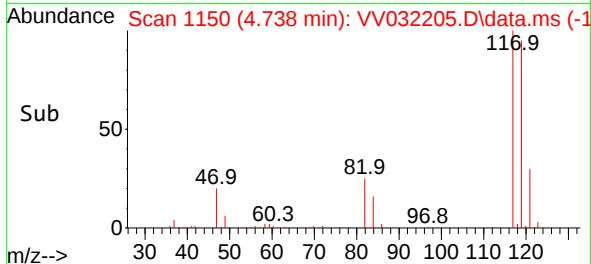
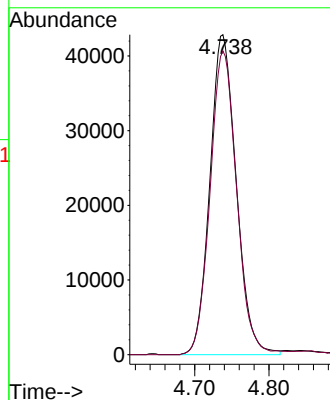
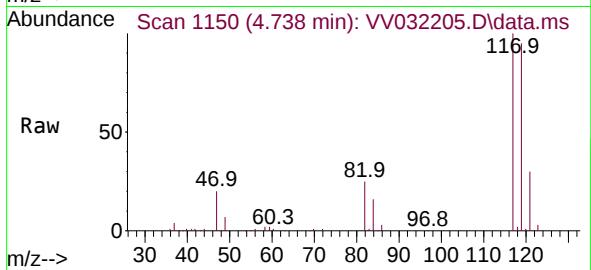




#31
Carbon tetrachloride
Concen: 44.832 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

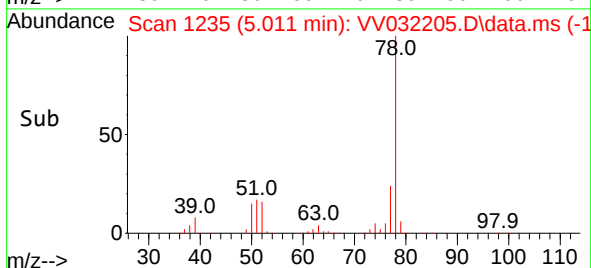
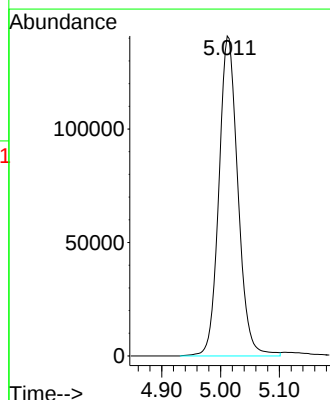
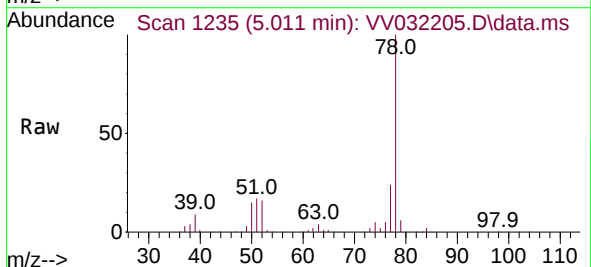
Instrument :
MSVOA_V
ClientSampleId :

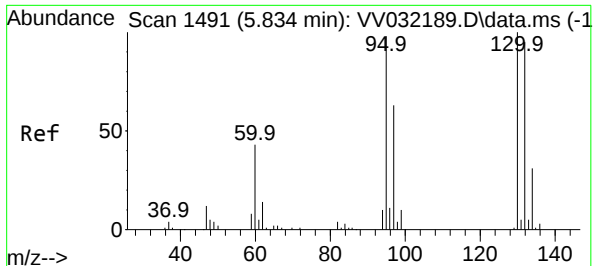
Tgt Ion:117 Resp: 105823
Ion Ratio Lower Upper
117 100
119 95.1 76.6 115.0



#33
Benzene
Concen: 45.273 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion: 78 Resp: 316541

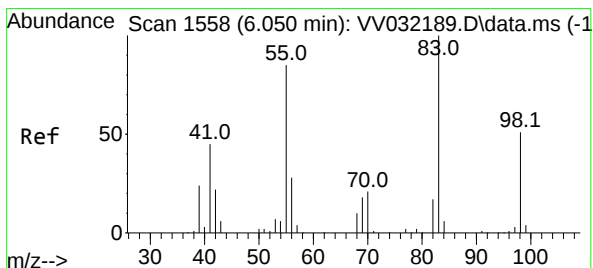
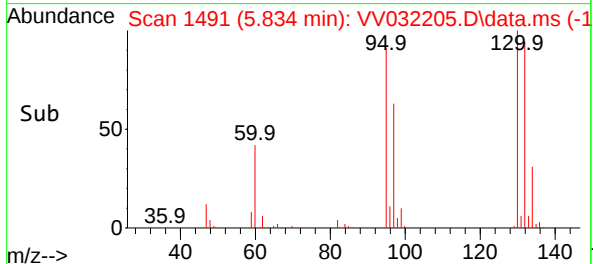
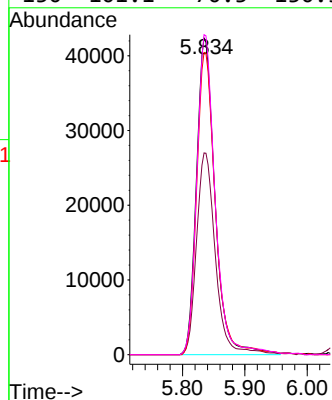
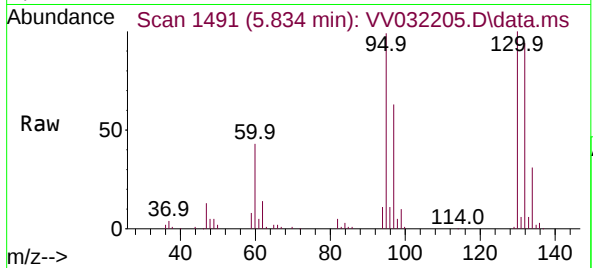




#34
Trichloroethene
Concen: 45.639 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

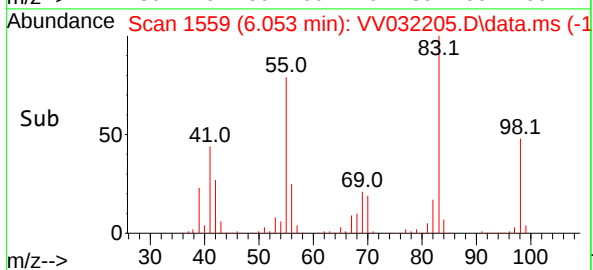
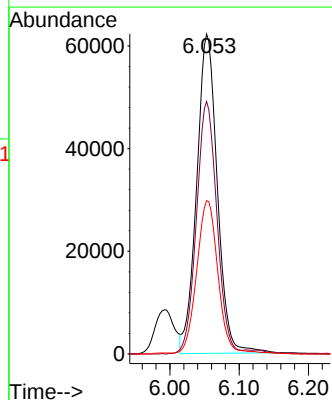
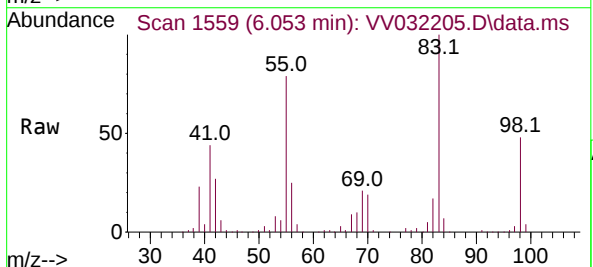
Instrument :
MSVOA_V
ClientSampleId :

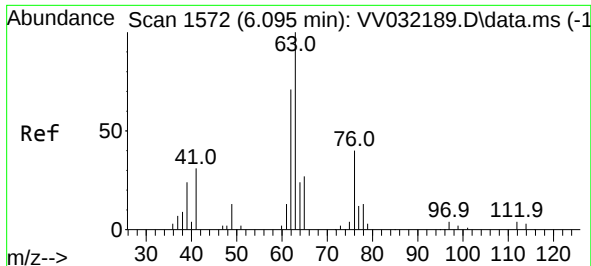
Tgt Ion: 95 Resp: 87852
Ion Ratio Lower Upper
95 100
97 63.8 45.4 84.4
132 95.5 66.1 122.7
130 101.1 70.3 130.5



#35
Methylcyclohexane
Concen: 41.894 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion: 83 Resp: 128934
Ion Ratio Lower Upper
83 100
55 78.1 62.9 94.3
98 48.7 38.9 58.3





#37

1,2-Dichloropropane

Concen: 43.518 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

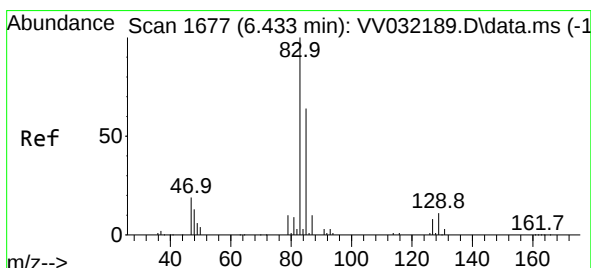
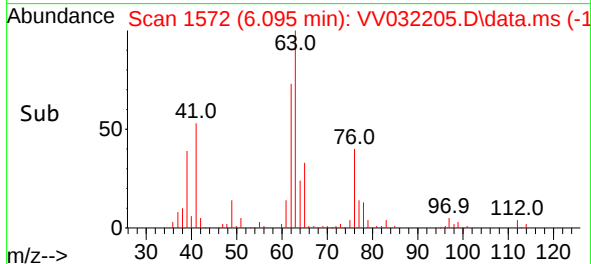
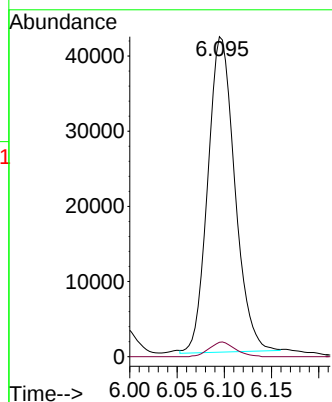
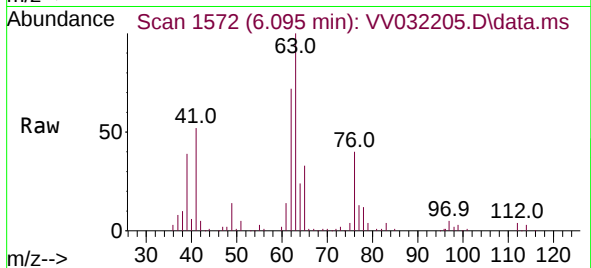
ClientSampleId :

Tgt Ion: 63 Resp: 83489

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 44.857 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

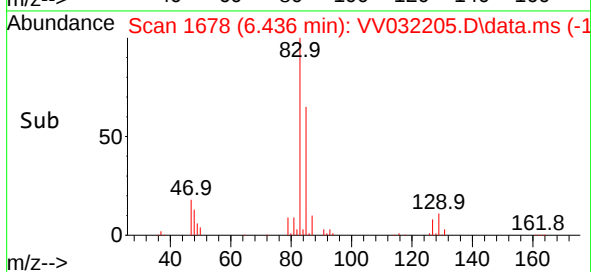
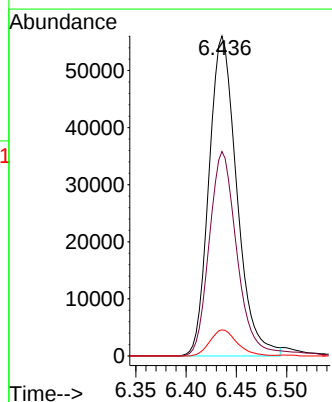
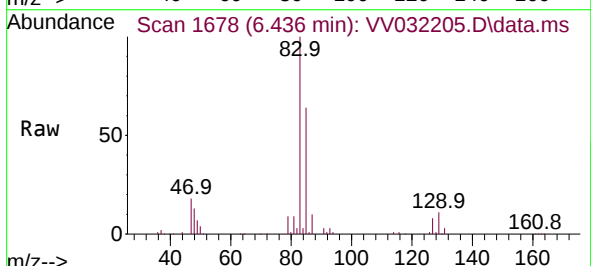
Tgt Ion: 83 Resp: 108179

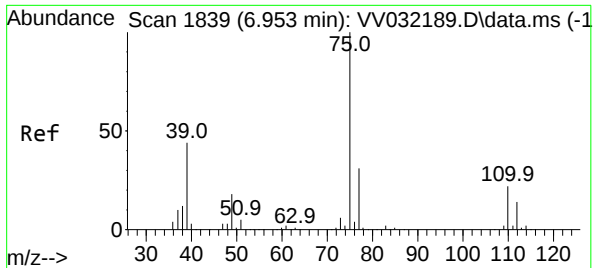
Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

127 8.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 44.059 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

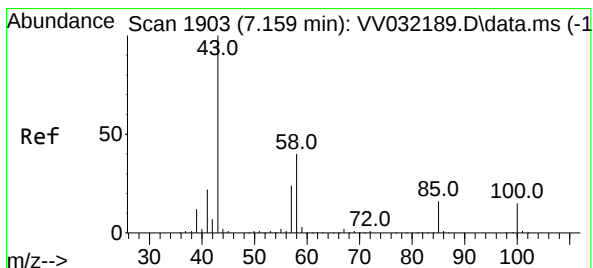
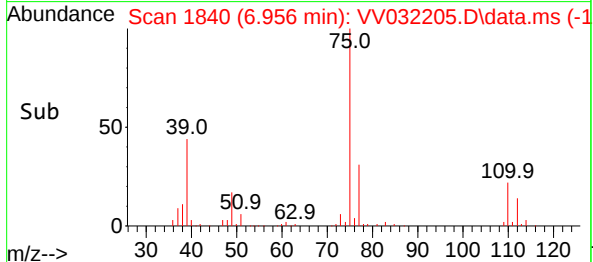
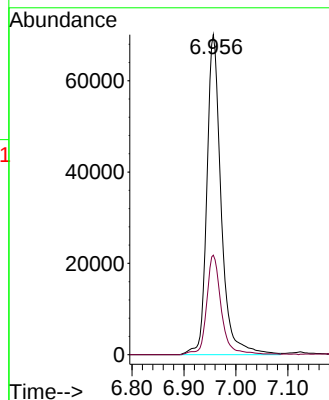
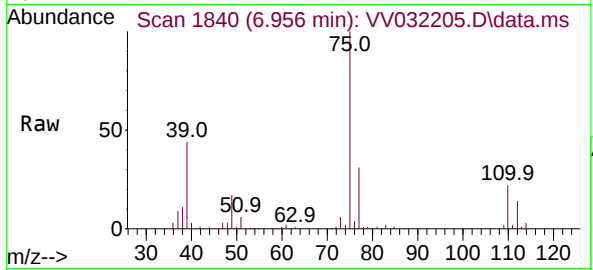
ClientSampleId :

Tgt Ion: 75 Resp: 134047

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 91.482 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

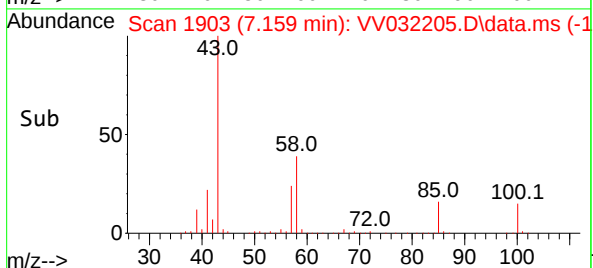
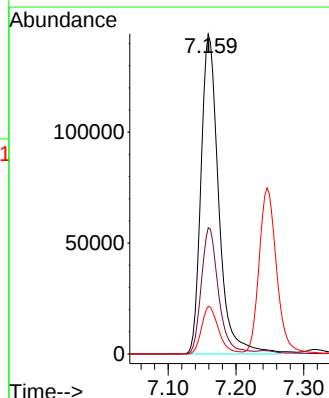
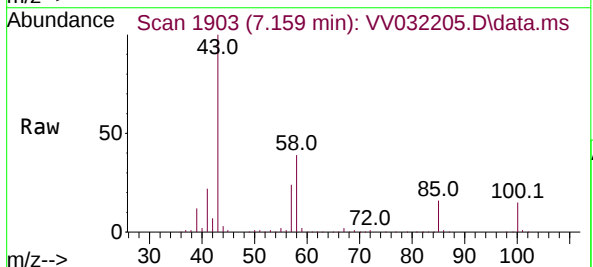
Tgt Ion: 43 Resp: 261575

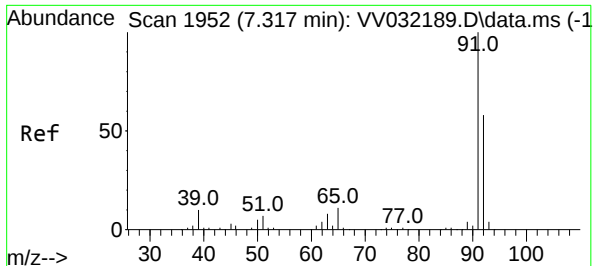
Ion Ratio Lower Upper

43 100

58 38.6 31.0 46.6

100 14.4 11.6 17.4

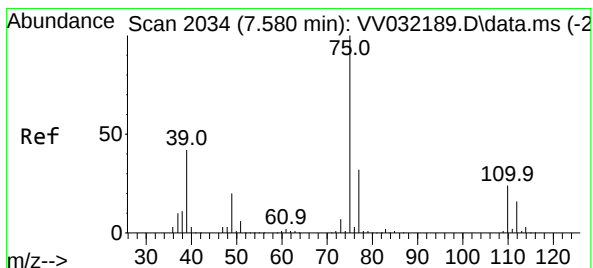
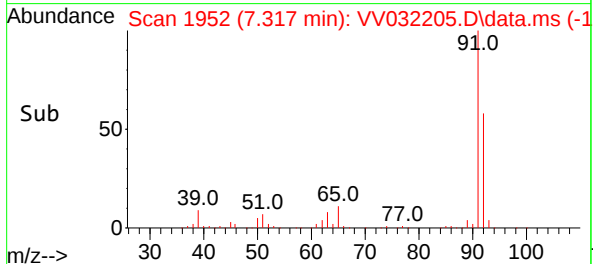
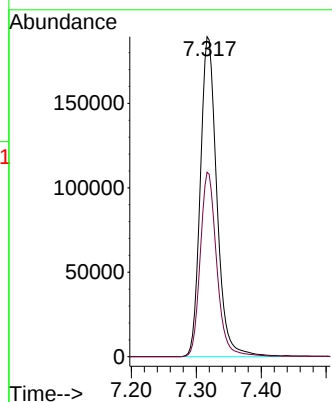
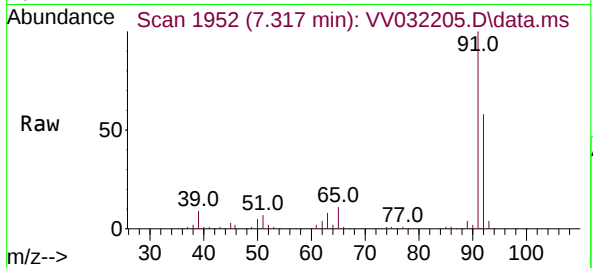




#42
Toluene
Concen: 45.012 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

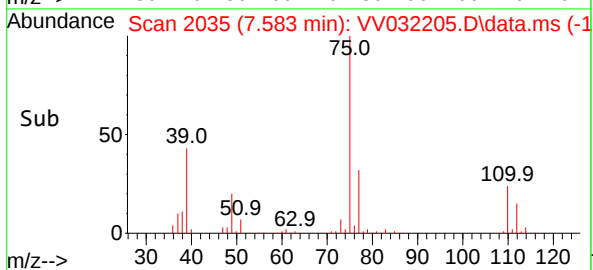
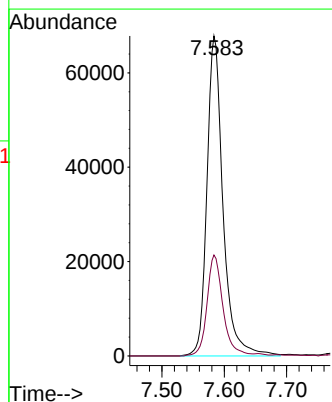
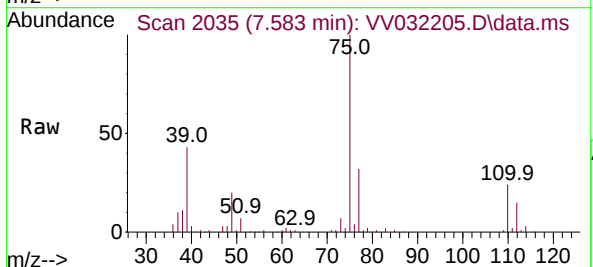
Instrument :
MSVOA_V
ClientSampleId :

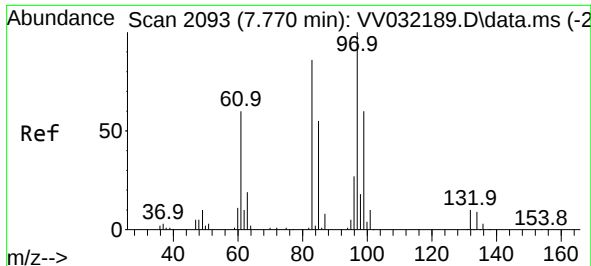
Tgt Ion: 91 Resp: 336006
Ion Ratio Lower Upper
91 100
92 57.6 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 43.669 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion: 75 Resp: 121671
Ion Ratio Lower Upper
75 100
77 31.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 45.447 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 83168

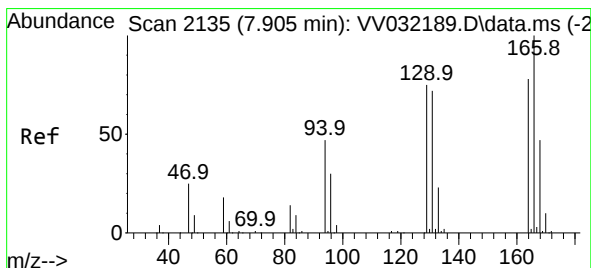
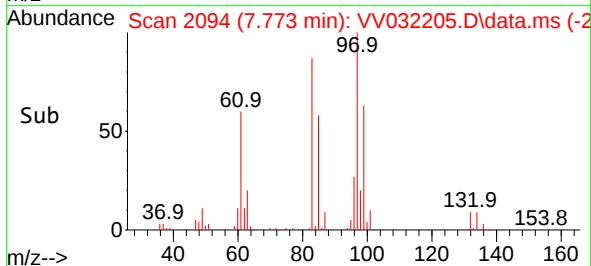
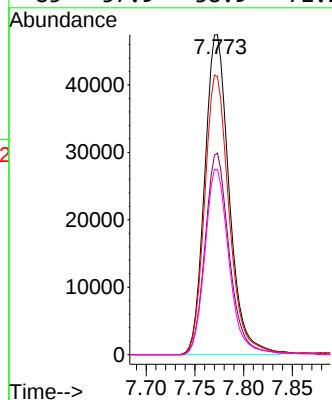
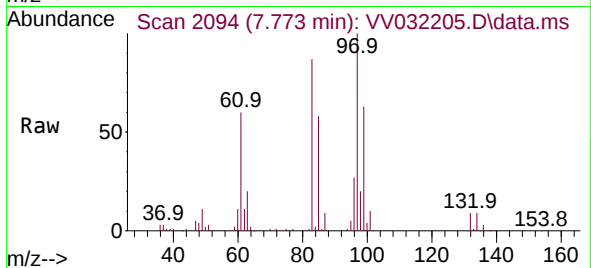
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.3

83 86.9 60.8 113.0

85 57.9 38.9 72.2



#46

Tetrachloroethene

Concen: 43.674 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Tgt Ion:164 Resp: 61091

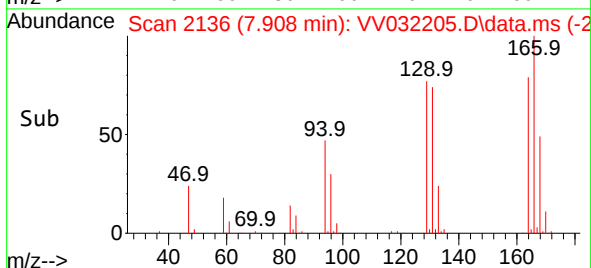
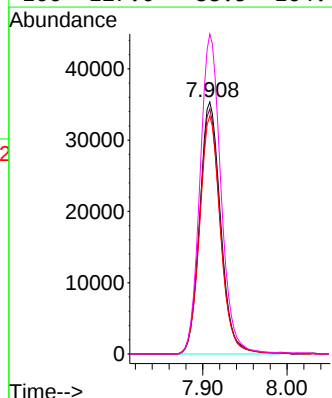
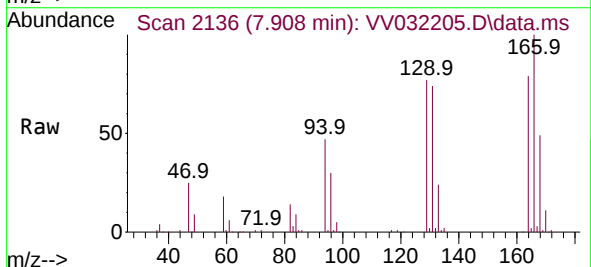
Ion Ratio Lower Upper

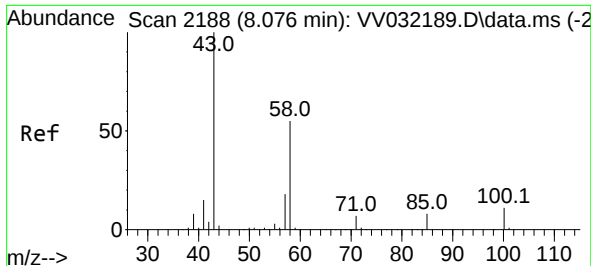
164 100

129 97.3 67.5 125.3

131 94.5 63.8 118.4

166 127.0 88.5 164.4



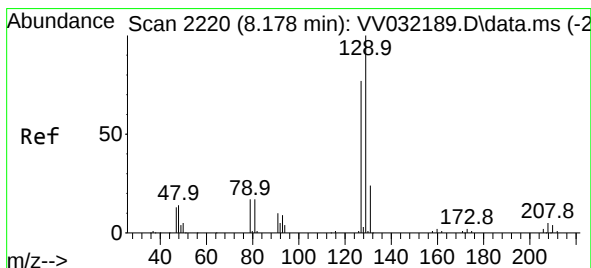
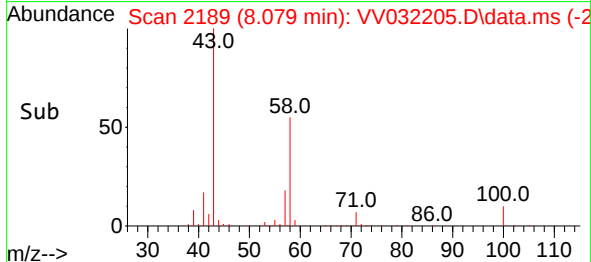
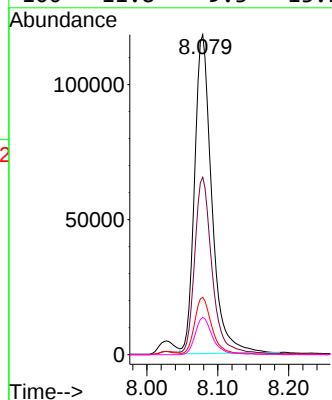
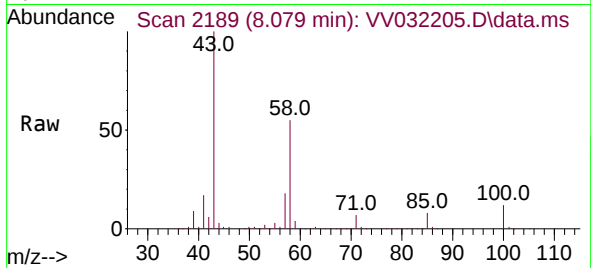


#48
2-Hexanone
Concen: 89.325 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 199520

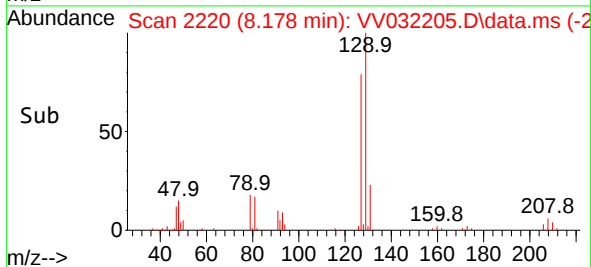
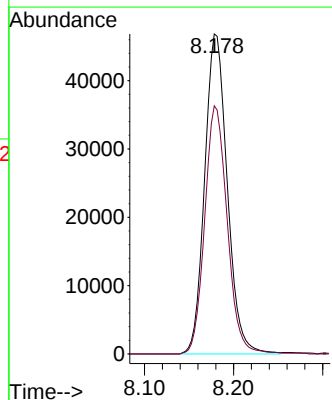
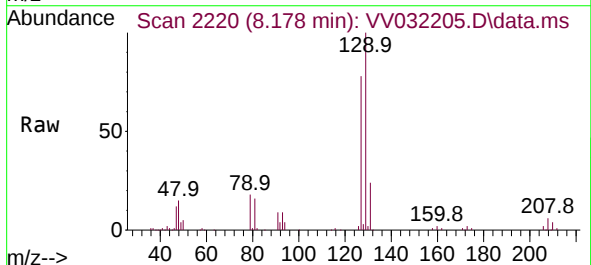
Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.5	66.7
57	17.9	13.9	20.9
100	11.8	9.3	13.9

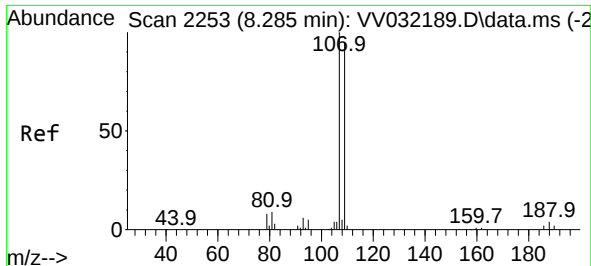


#49
Dibromochloromethane
Concen: 45.433 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion: 129 Resp: 82667

Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.9	101.9

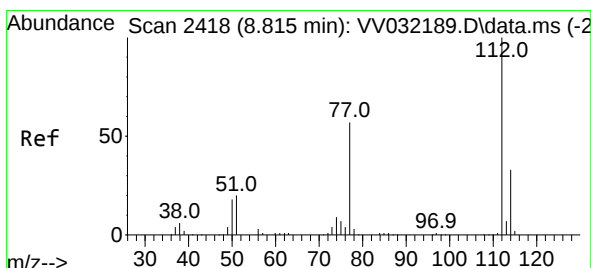
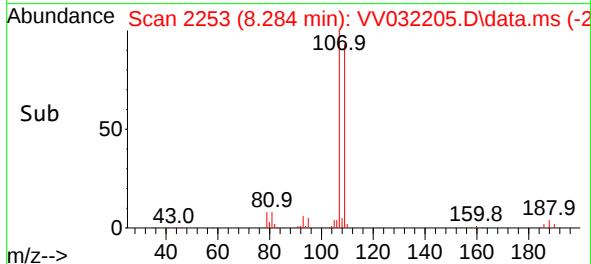
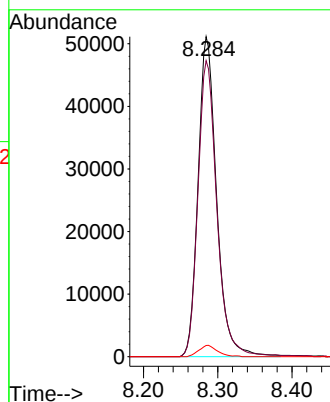
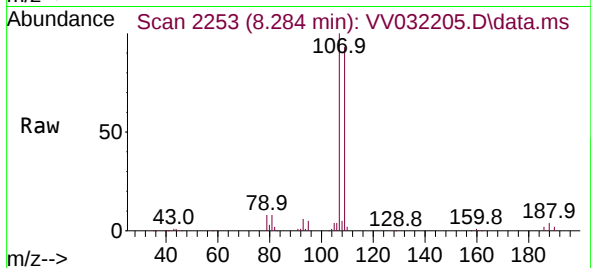




#50
1,2-Dibromoethane
Concen: 45.596 ug/L
RT: 8.284 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

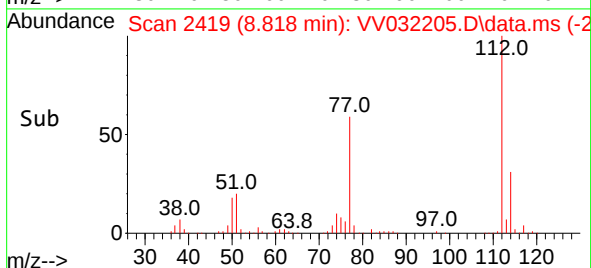
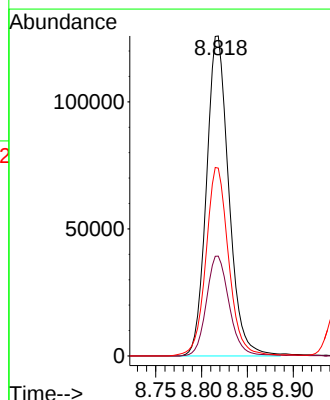
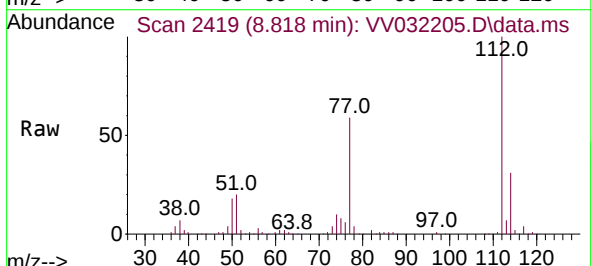
Instrument :
MSVOA_V
ClientSampleId :

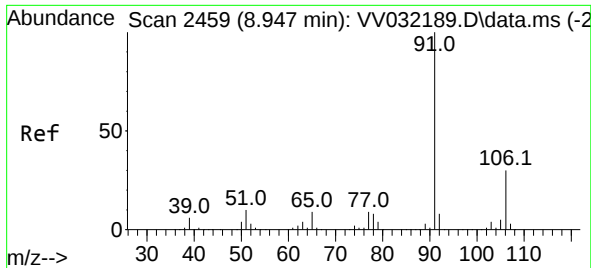
Tgt Ion:107 Resp: 88851
Ion Ratio Lower Upper
107 100
109 92.5 65.2 121.2
188 3.5 3.0 4.6



#51
Chlorobenzene
Concen: 44.282 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion:112 Resp: 213281
Ion Ratio Lower Upper
112 100
114 31.2 22.5 41.9
77 58.7 46.7 70.1

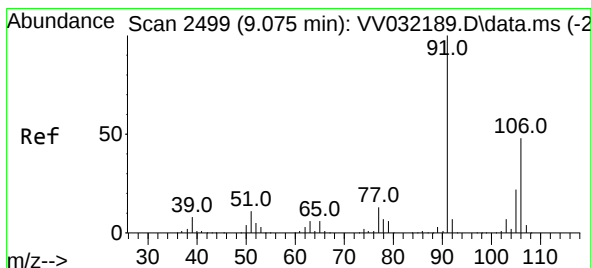
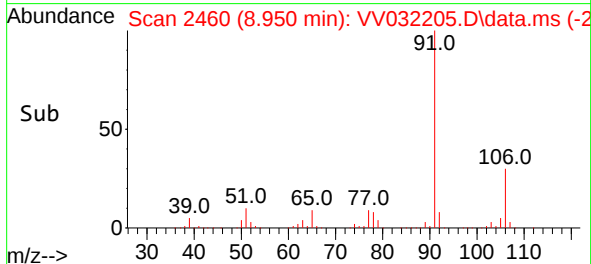
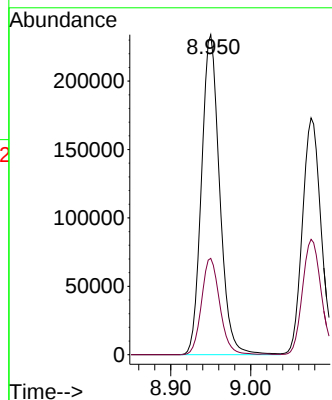
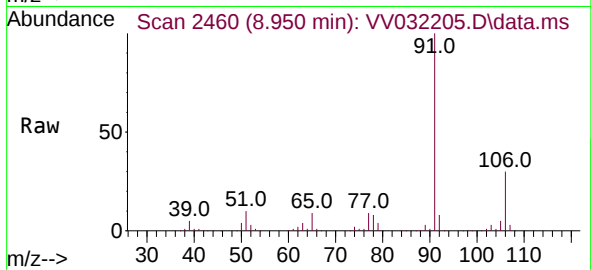




#52
Ethylbenzene
Concen: 44.335 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

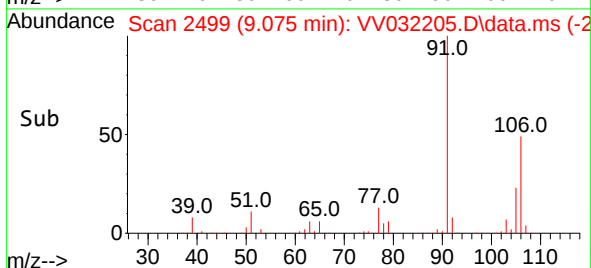
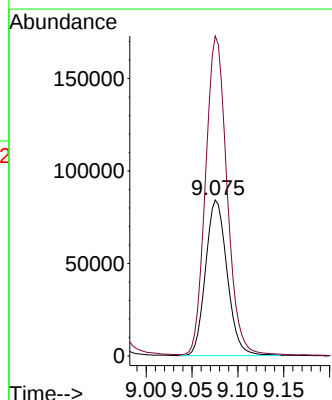
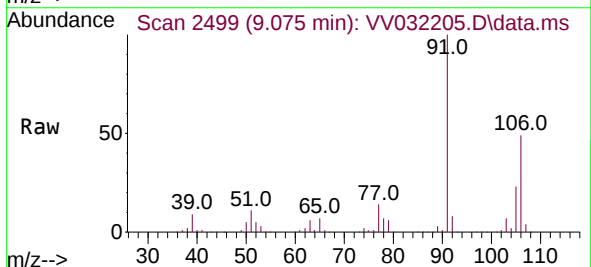
Instrument :
MSVOA_V
ClientSampleId :

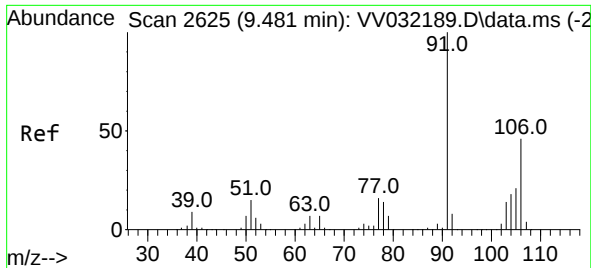
Tgt Ion: 91 Resp: 369676
Ion Ratio Lower Upper
91 100
106 30.1 20.9 38.7



#53
m,p-Xylene
Concen: 44.347 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion:106 Resp: 137772
Ion Ratio Lower Upper
106 100
91 205.2 143.8 267.0

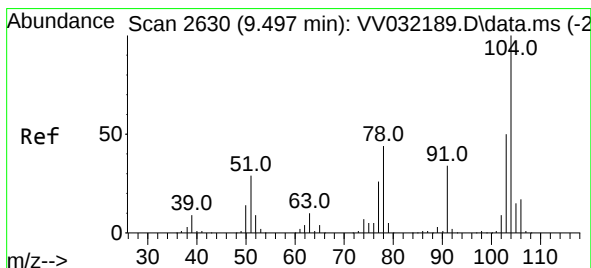
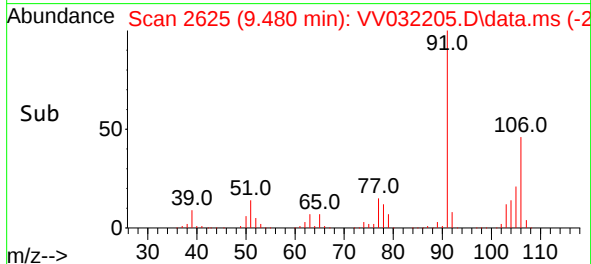
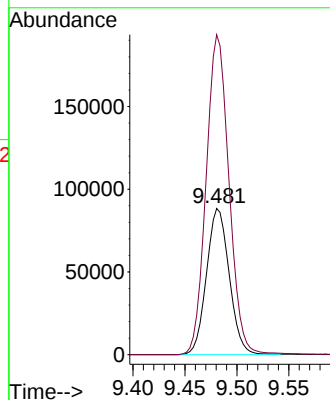
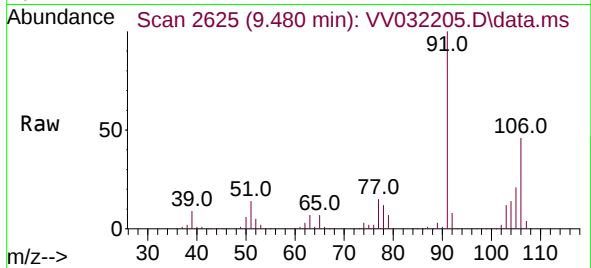




#54
o-Xylene
Concen: 43.959 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

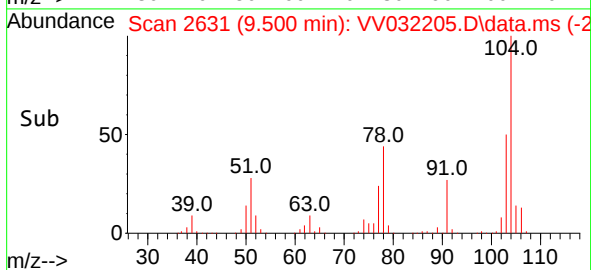
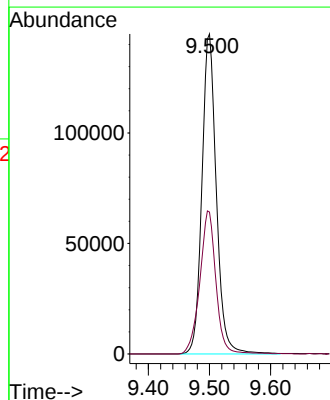
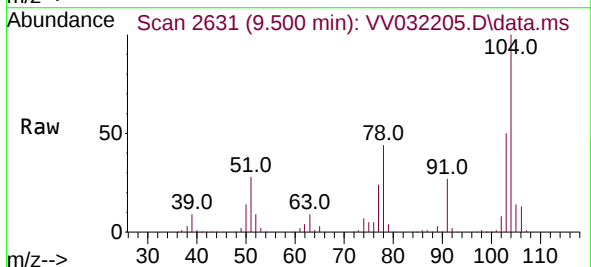
Instrument :
MSVOA_V
ClientSampleId :

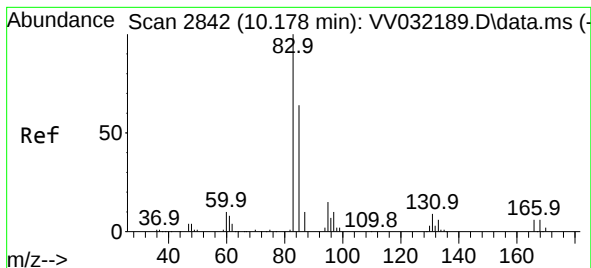
Tgt Ion:106 Resp: 134536
Ion Ratio Lower Upper
106 100
91 218.8 153.4 284.8



#55
Styrene
Concen: 45.434 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion:104 Resp: 237220
Ion Ratio Lower Upper
104 100
78 44.3 30.4 56.5

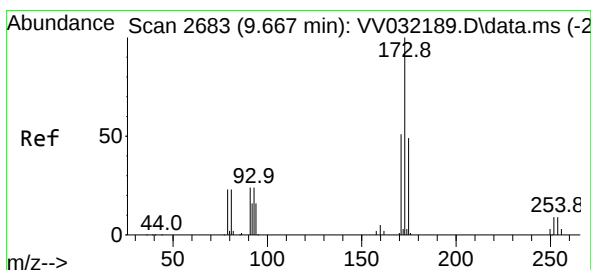
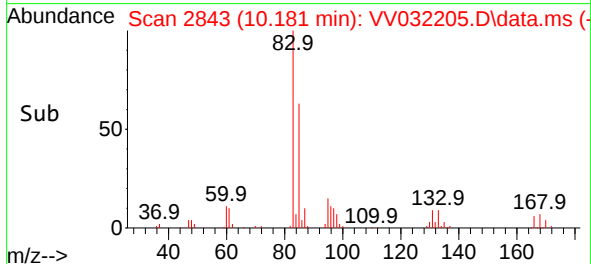
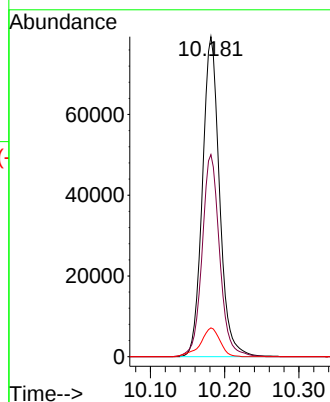
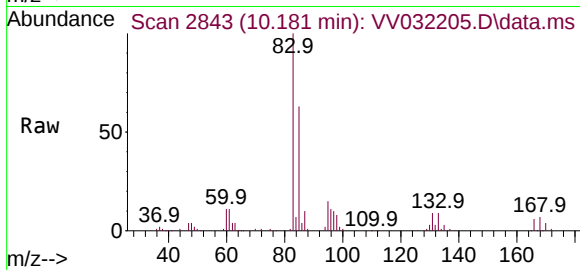




#57
 1,1,2,2-Tetrachloroethane
 Concen: 44.525 ug/L
 RT: 10.181 min Scan# 2843
 Delta R.T. 0.003 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

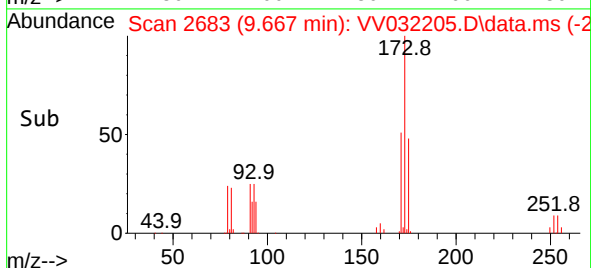
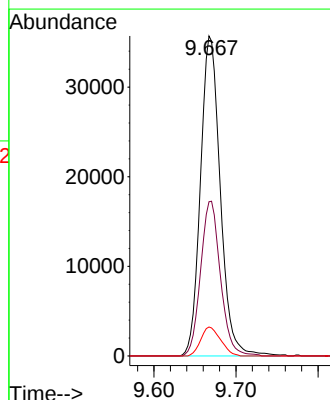
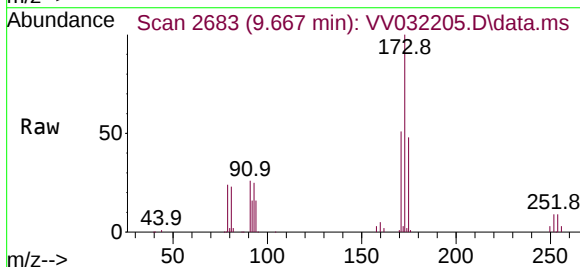
Instrument :
 MSVOA_V
 ClientSampleId :

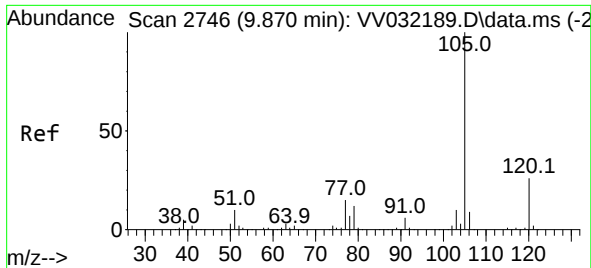
Tgt Ion: 83 Resp: 126964
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.7 82.9
 131 9.0 7.4 11.0



#59
 Bromoform
 Concen: 45.395 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. -0.000 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

Tgt Ion: 173 Resp: 59897
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.5 59.3
 254 9.0 7.0 10.4

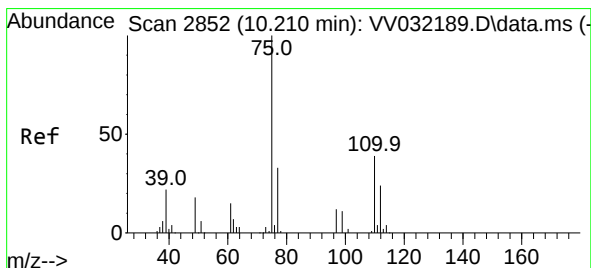
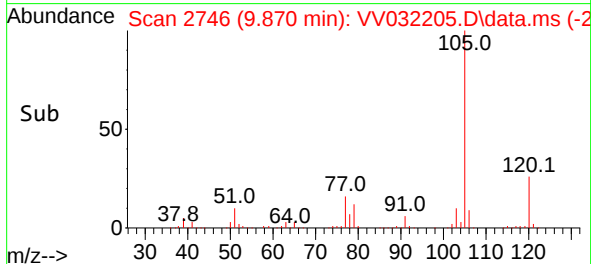
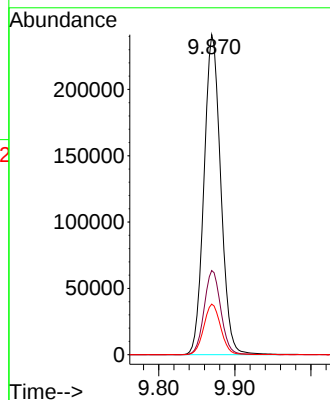
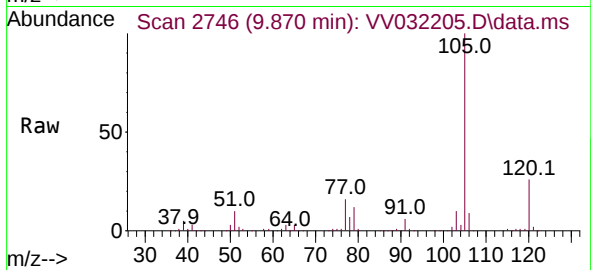




#60
Isopropylbenzene
Concen: 44.777 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

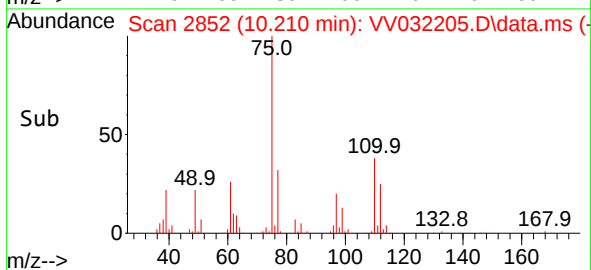
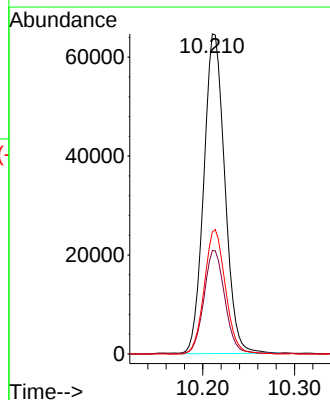
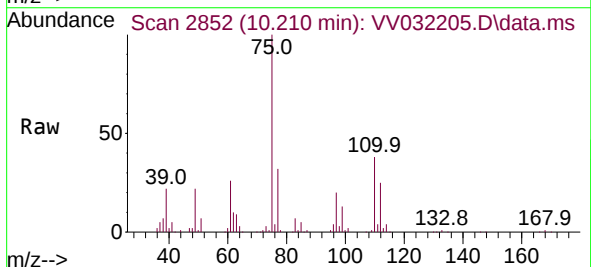
Instrument :
MSVOA_V
ClientSampleId :

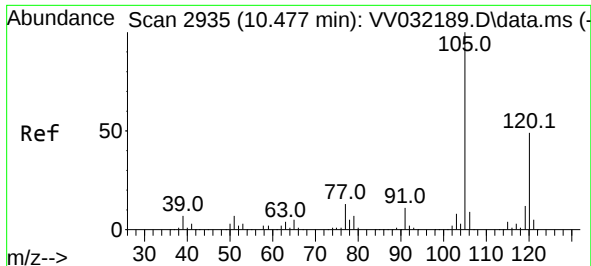
Tgt Ion:105 Resp: 370059
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.6
77 16.0 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 44.667 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV032205.D
Acq: 02 Oct 2023 17:46

Tgt Ion: 75 Resp: 103101
Ion Ratio Lower Upper
75 100
77 32.4 26.1 39.1
110 39.1 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 44.591 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

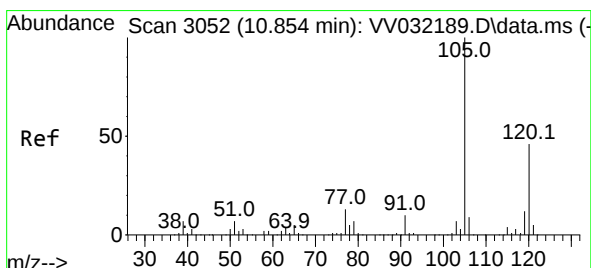
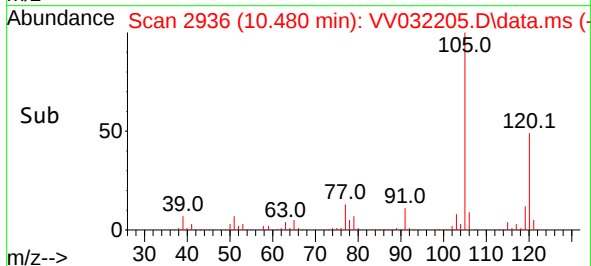
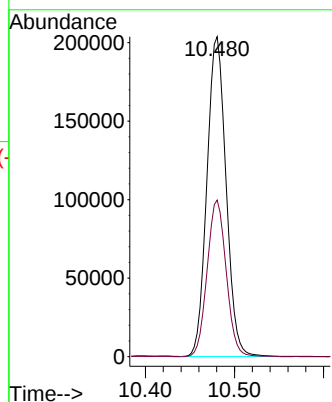
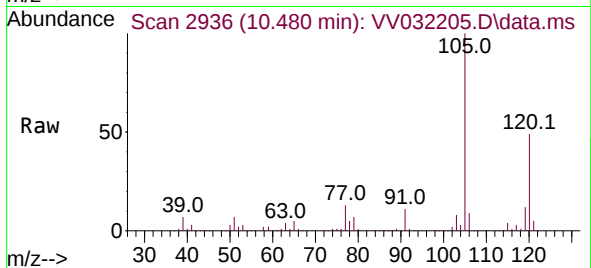
ClientSampleId :

Tgt Ion:105 Resp: 302773

Ion Ratio Lower Upper

105 100

120 48.9 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 44.376 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032205.D

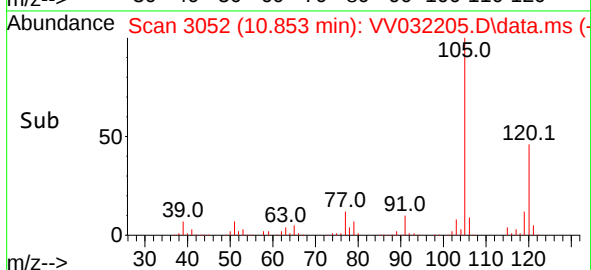
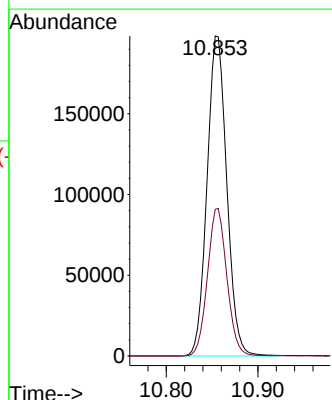
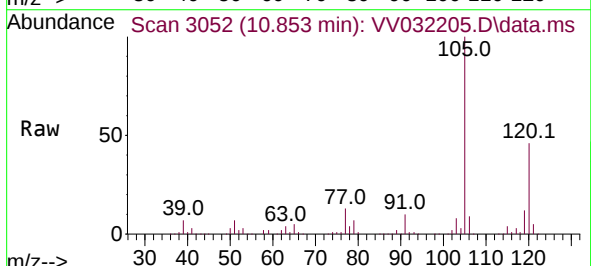
Acq: 02 Oct 2023 17:46

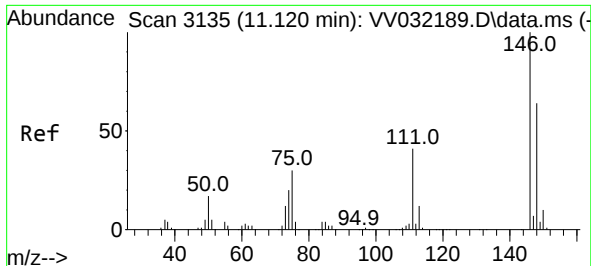
Tgt Ion:105 Resp: 296378

Ion Ratio Lower Upper

105 100

120 45.4 36.5 54.7

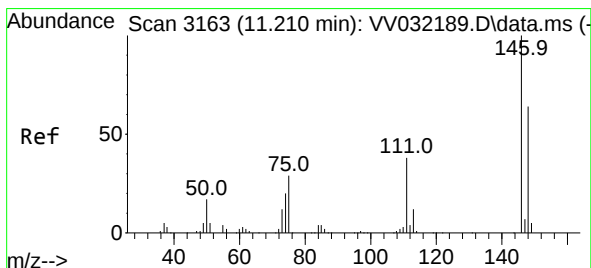
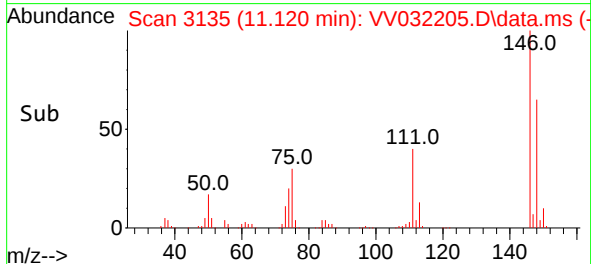
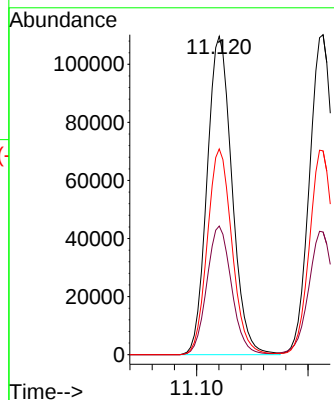
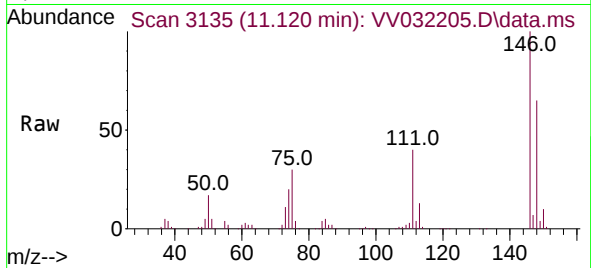




#64
 1,3-Dichlorobenzene
 Concen: 44.124 ug/L
 RT: 11.120 min Scan# 3135
 Delta R.T. -0.000 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

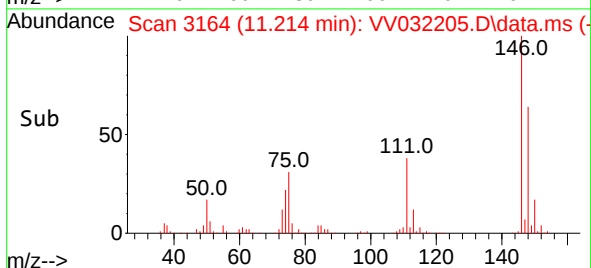
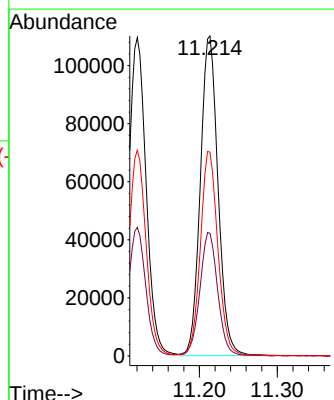
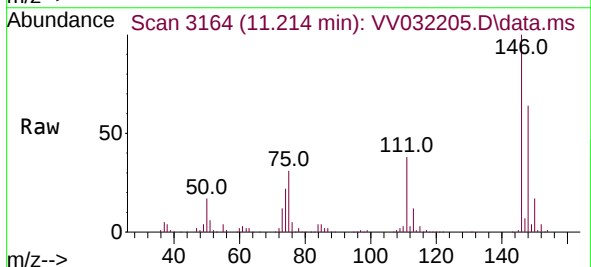
Instrument :
 MSVOA_V
 ClientSampleId :

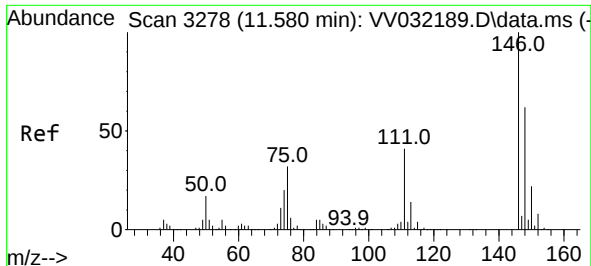
Tgt Ion:146 Resp: 170484
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.3 52.5
 148 64.6 44.2 82.0



#65
 1,4-Dichlorobenzene
 Concen: 44.476 ug/L
 RT: 11.214 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VV032205.D
 Acq: 02 Oct 2023 17:46

Tgt Ion:146 Resp: 173589
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.5 51.1
 148 63.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 44.277 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

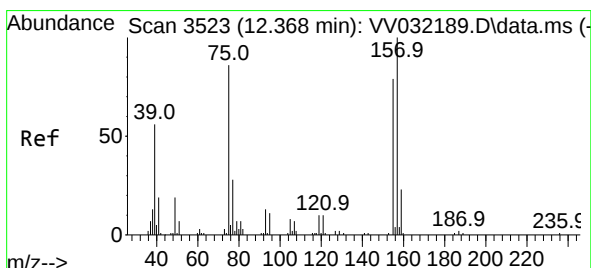
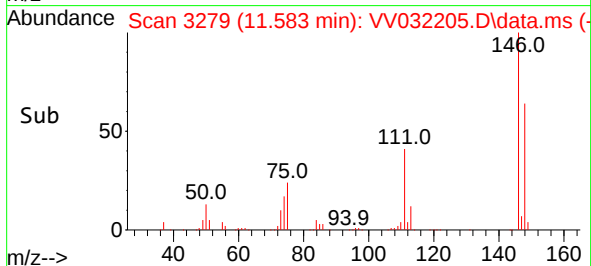
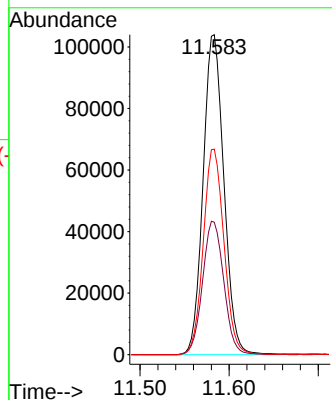
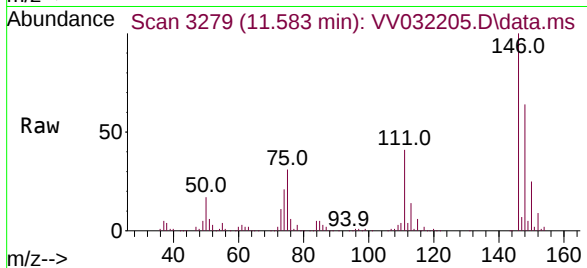
Tgt Ion:146 Resp: 168272

Ion Ratio Lower Upper

146 100

111 41.4 33.6 50.4

148 64.3 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 43.280 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

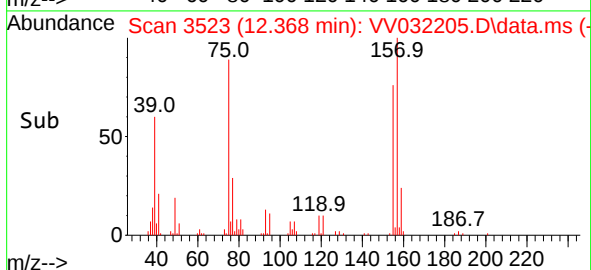
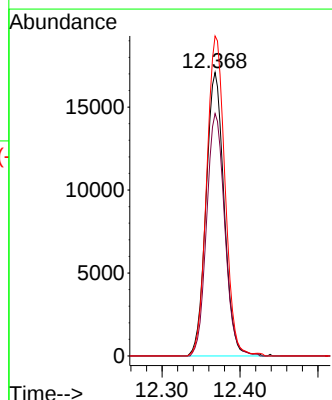
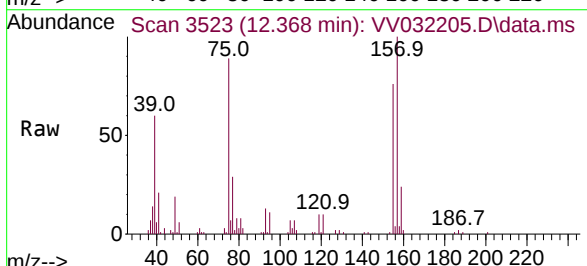
Tgt Ion: 75 Resp: 27583

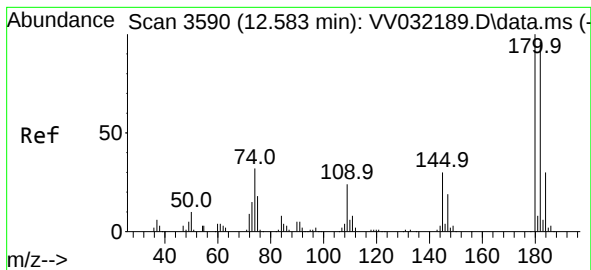
Ion Ratio Lower Upper

75 100

155 85.5 70.0 105.0

157 112.9 90.4 135.6





#69

1,3,5-Trichlorobenzene

Concen: 42.725 ug/L

RT: 12.586 min Scan# 3590

Delta R.T. 0.003 min

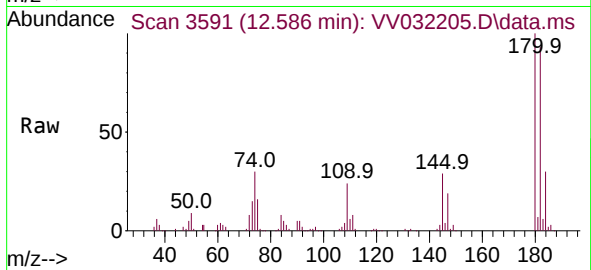
Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 119531

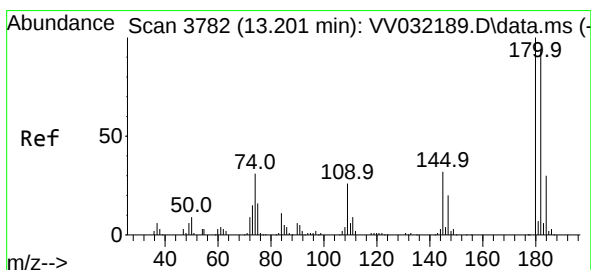
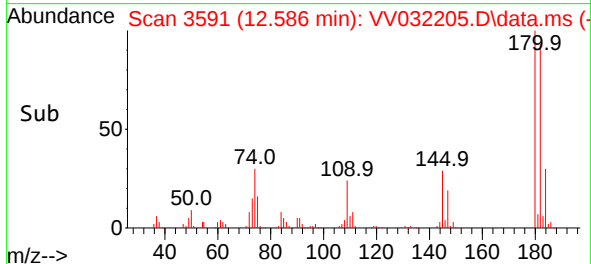
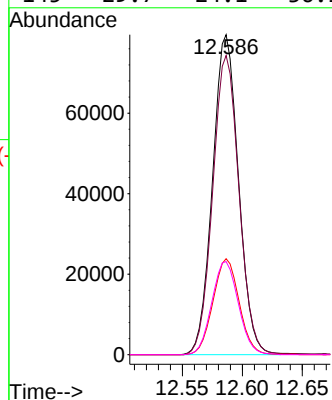
Ion Ratio Lower Upper

180 100

182 94.9 75.6 113.4

184 30.3 23.9 35.9

145 29.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 41.503 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

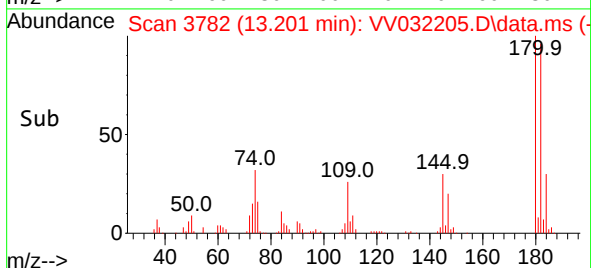
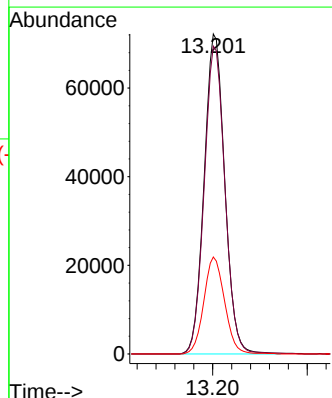
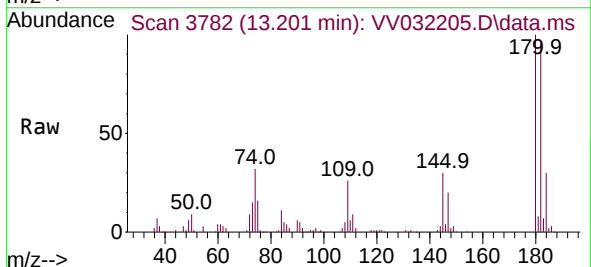
Tgt Ion:180 Resp: 109200

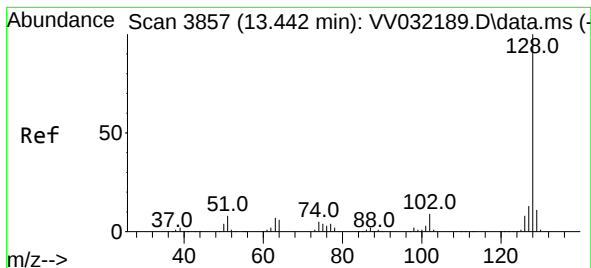
Ion Ratio Lower Upper

180 100

182 96.8 75.3 112.9

145 30.5 24.4 36.6





#71

Naphthalene

Concen: 39.866 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

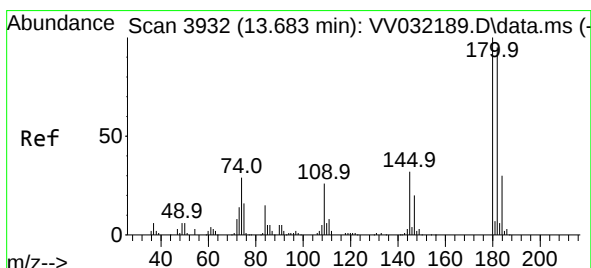
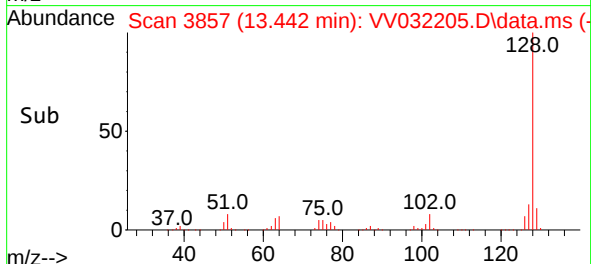
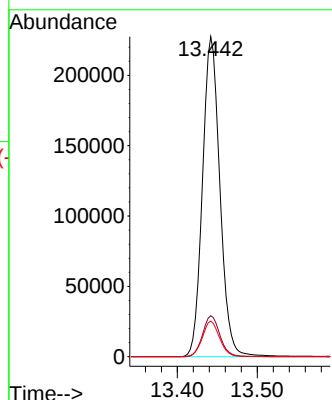
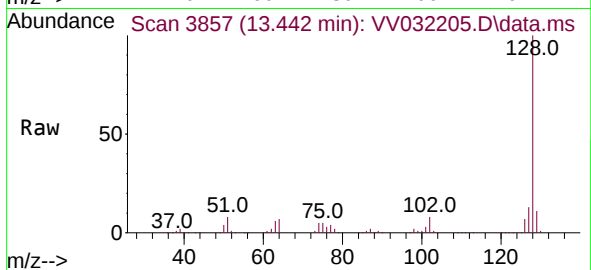
Tgt Ion:128 Resp: 345527

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 42.938 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032205.D

Acq: 02 Oct 2023 17:46

Tgt Ion:180 Resp: 112247

Ion Ratio Lower Upper

180 100

182 96.3 75.2 112.8

145 32.4 25.8 38.8

