

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100623\
 Data File : VV032312.D
 Acq On : 06 Oct 2023 19:34
 Operator : SY/MD
 Sample : 04774-08MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 05:09:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 07 05:00:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	72720	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	77180	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	40034	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	22970	3.884	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.532	69	22412	4.668	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.060	65	9186	3.683	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.600%
20) 2-Butanone-d5	3.786	46	98902	66.106	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.220%#
24) Chloroform-d	4.252	84	51154	4.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
26) 1,2-Dichloroethane-d4	4.947	65	26775	5.418	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.400%
32) Benzene-d6	4.963	84	91649	4.036	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	5.995	67	32283	4.290	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.246	98	86606	4.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.558	79	11936	4.477	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.027	63	82518	65.777	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.560%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	31651	6.014	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.200%#
66) 1,2-Dichlorobenzene-d4	11.564	152	32768	4.411	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	39860	4.919	ug/L	98
3) Chloromethane	1.217	50	43557	5.332	ug/L	99
5) Vinyl chloride	1.282	62	40286	5.170	ug/L	99
6) Bromomethane	1.484	94	23570	5.008	ug/L	99
8) Chloroethane	1.548	64	24984	5.326	ug/L	98
9) Trichlorofluoromethane	1.712	101	48406	5.181	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	27409	4.841	ug/L	96
12) 1,1-Dichloroethene	2.069	96	26676	5.002	ug/L	88
13) Acetone	2.111	43	65090	56.447	ug/L	97
14) Carbon disulfide	2.240	76	85432	4.582	ug/L	99
15) Methyl Acetate	2.378	43	14798	5.700	ug/L	97
16) Methylene chloride	2.449	84	32267	4.641	ug/L	94
17) Methyl tert-butyl Ether	2.706	73	75808	5.221	ug/L	94
18) trans-1,2-Dichloroethene	2.696	96	28023	4.587	ug/L	99
19) 1,1-Dichloroethane	3.114	63	55242	4.807	ug/L	100
21) 2-Butanone	3.870	43	97418	54.024	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	38567	5.863	ug/L	97
23) Bromochloromethane	4.153	128	15034	5.433	ug/L	97
25) Chloroform	4.281	83	60304	5.348	ug/L	100

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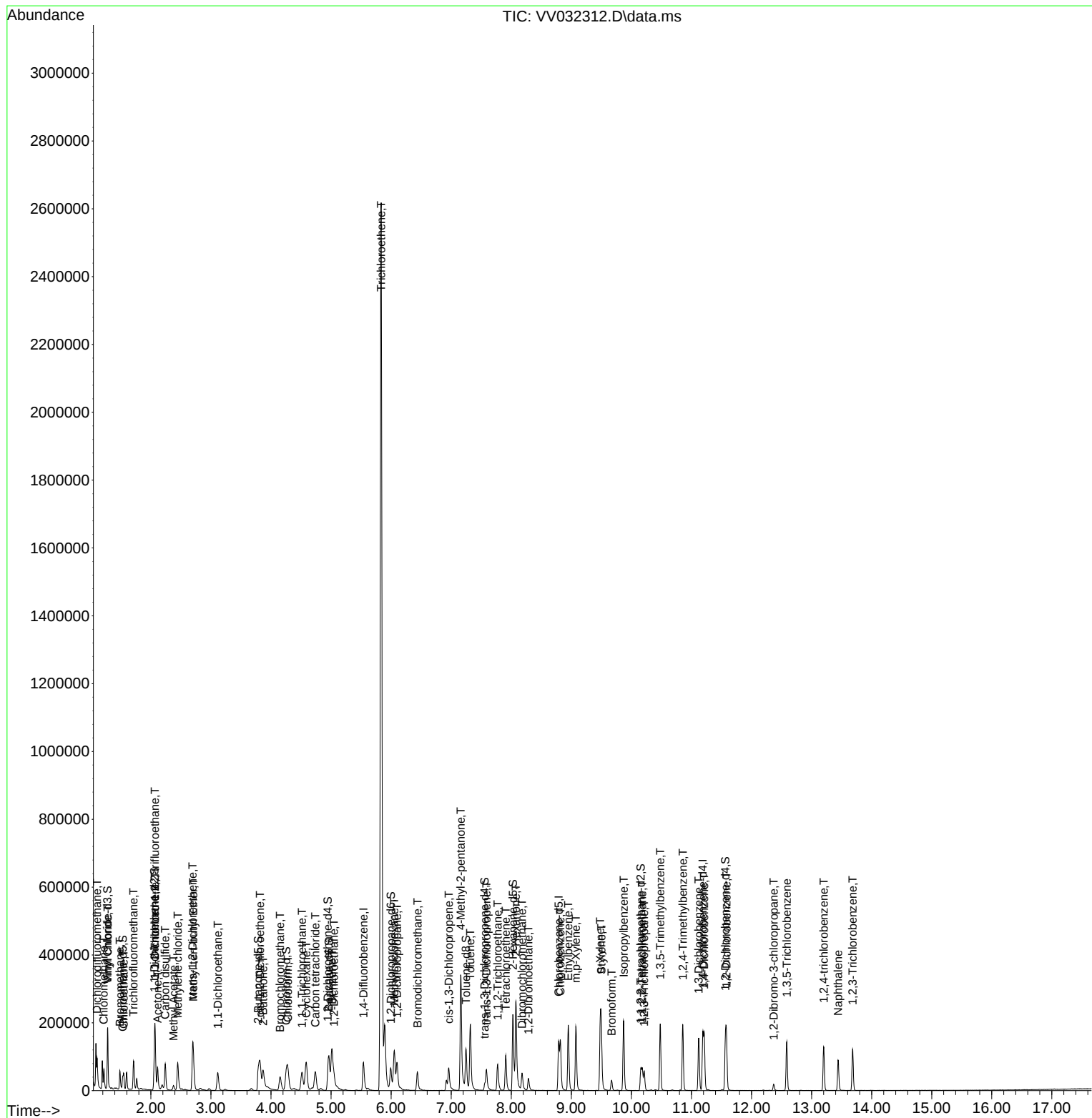
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	34226	5.138	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	45577	4.343	ug/L	98
30) Cyclohexane	4.587	56	45417	3.939	ug/L	99
31) Carbon tetrachloride	4.738	117	43576	4.908	ug/L	99
33) Benzene	5.015	78	124402	4.578	ug/L	100
34) Trichloroethene	5.834	95	914131	123.231	ug/L	98
35) Methylcyclohexane	6.053	83	47935	4.176	ug/L	96
37) 1,2-Dichloropropane	6.098	63	29881	4.112	ug/L	99
38) Bromodichloromethane	6.439	83	41284	4.781	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	46012	4.449	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	251878	54.770	ug/L	99
42) Toluene	7.320	91	149049	5.145	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	37497	4.412	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	26290	5.128	ug/L	99
47) Tetrachloroethene	7.908	164	24004	4.267	ug/L	98
48) 2-Hexanone	8.079	43	182821	56.345	ug/L	98
49) Dibromochloromethane	8.178	129	26298	4.927	ug/L	96
50) 1,2-Dibromoethane	8.288	107	25002	5.156	ug/L	95
51) Chlorobenzene	8.818	112	80394	4.311	ug/L	99
52) Ethylbenzene	8.950	91	137747	4.270	ug/L	99
53) m,p-Xylene	9.079	106	52746	4.409	ug/L	97
54) o-Xylene	9.481	106	50824	4.409	ug/L	97
55) Styrene	9.500	104	86237	4.430	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	32590	5.778	ug/L	98
59) Bromoform	9.670	173	14051	4.826	ug/L	99
60) Isopropylbenzene	9.873	105	131491	4.226	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	22917	5.378	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	102178	4.029	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	106287	4.210	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	62133	4.180	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	63401	4.252	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	59673	4.402	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	4272	4.907	ug/L	96
69) 1,3,5-Trichlorobenzene	12.587	180	42792	3.931	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	37528	3.887	ug/L	100
71) Naphthalene	13.442	128	71429	4.355	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	35428	4.259	ug/L	100

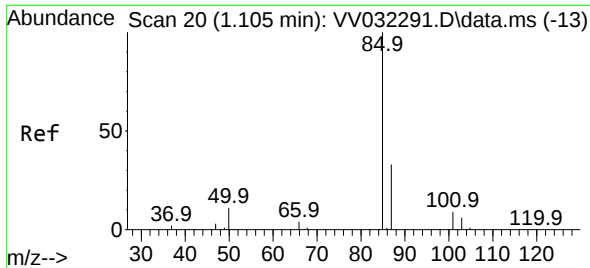
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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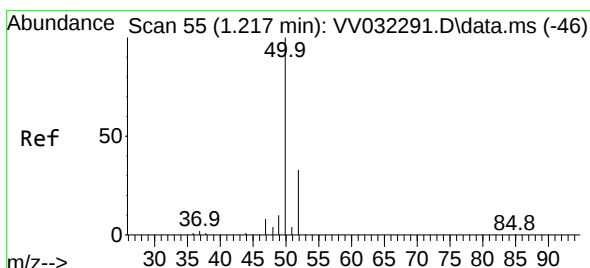
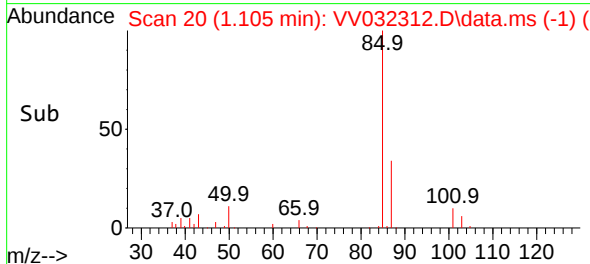
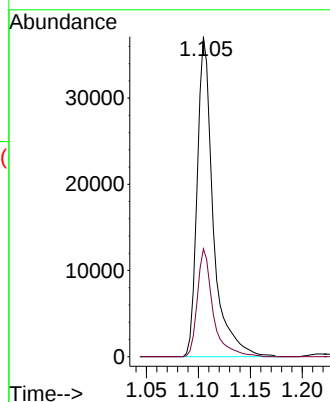
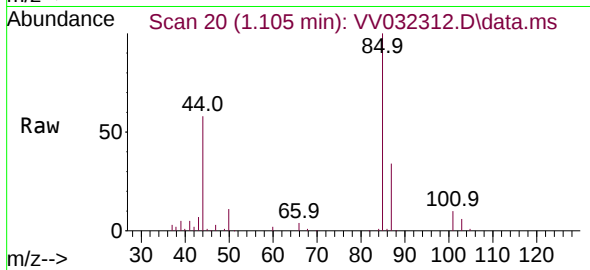




#2
 Dichlorodifluoromethane
 Concen: 4.919 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

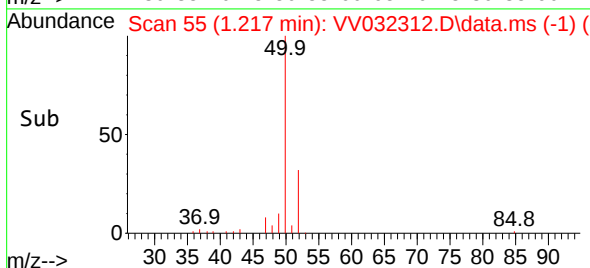
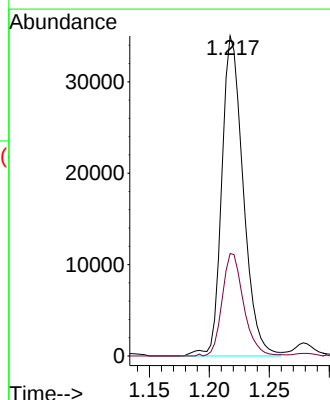
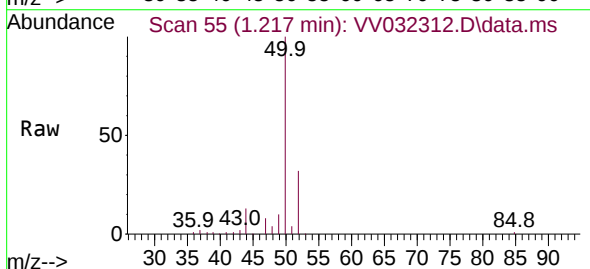
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 ClientSampleId :

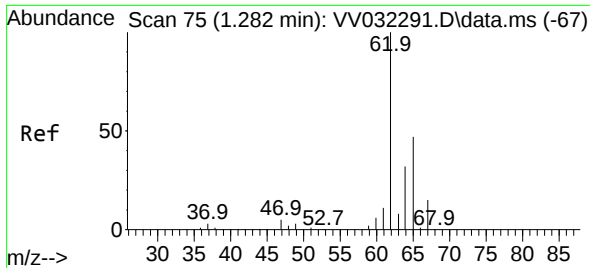
Tgt Ion: 85 Resp: 39860
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.5 38.3



#3
 Chloromethane
 Concen: 5.332 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

Tgt Ion: 50 Resp: 43557
 Ion Ratio Lower Upper
 50 100
 52 32.0 23.0 42.6





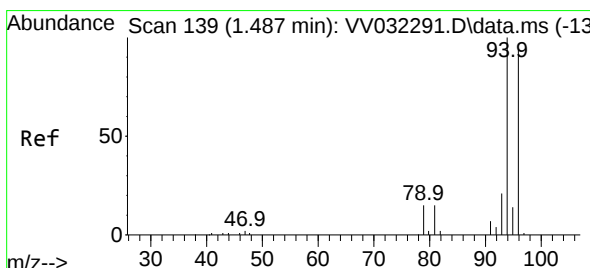
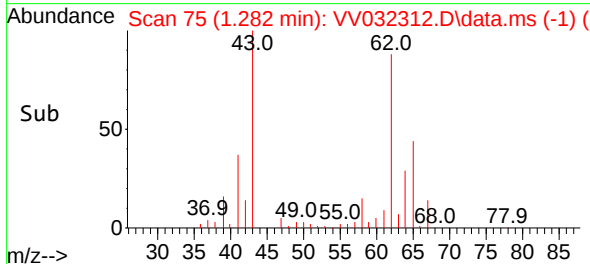
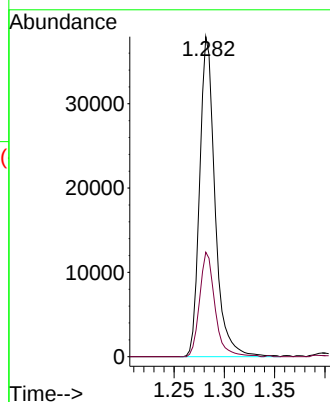
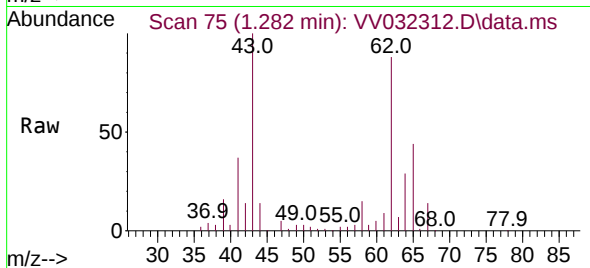
#5
 Vinyl chloride
 Concen: 5.170 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

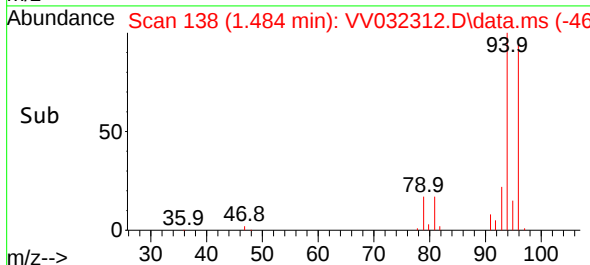
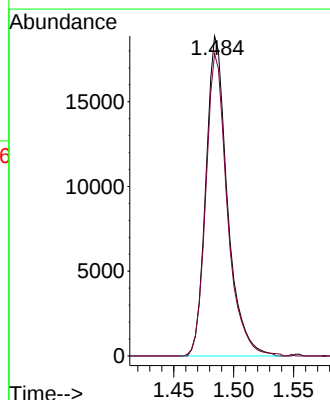
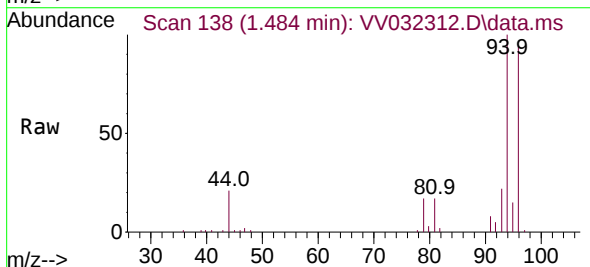
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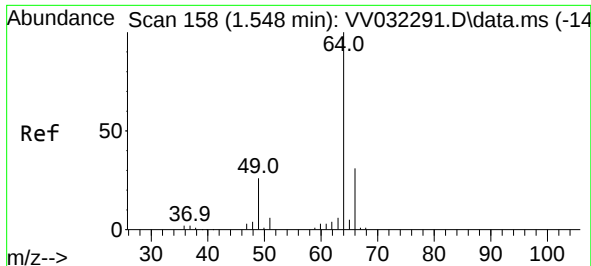
Tgt Ion: 62 Resp: 40286
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.1 42.9



#6
 Bromomethane
 Concen: 5.008 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

Tgt Ion: 94 Resp: 23570
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.8 124.2

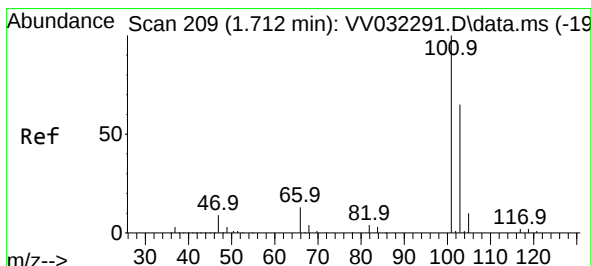
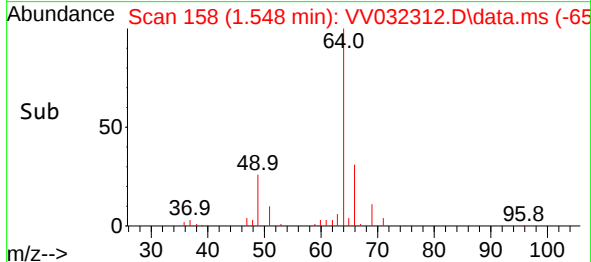
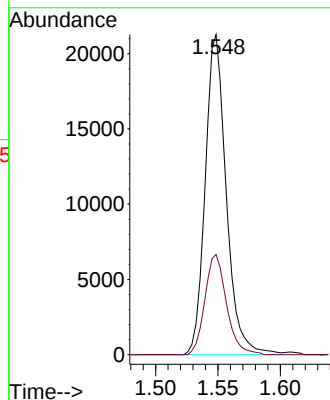
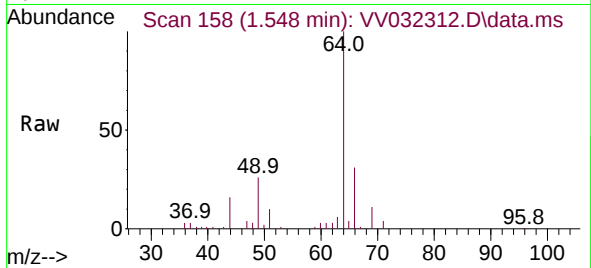




#8
Chloroethane
Concen: 5.326 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

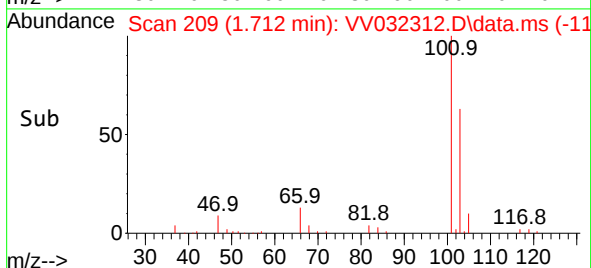
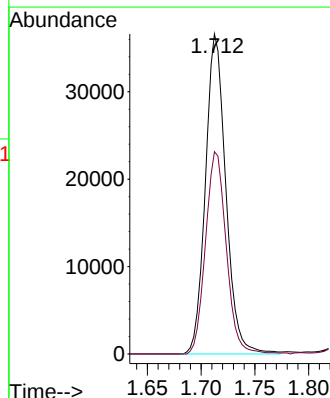
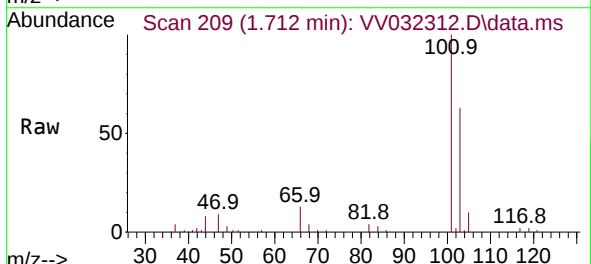
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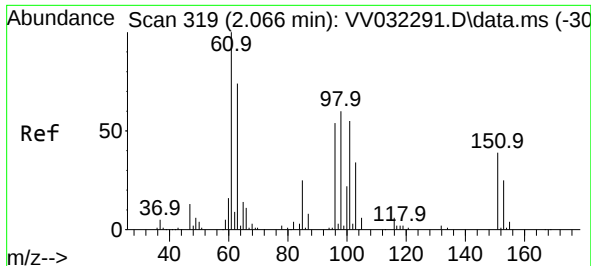
Tgt Ion: 64 Resp: 24984
Ion Ratio Lower Upper
64 100
66 31.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.181 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Tgt Ion: 101 Resp: 48406
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

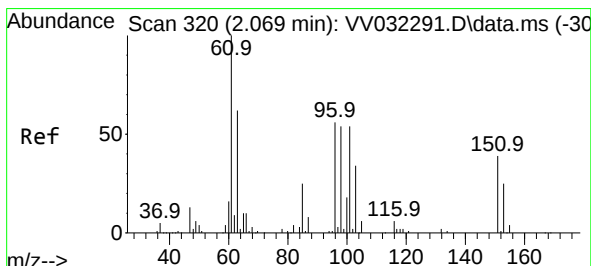
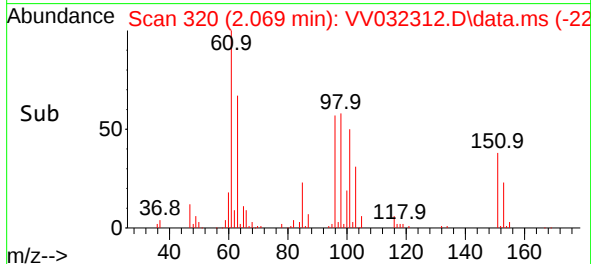
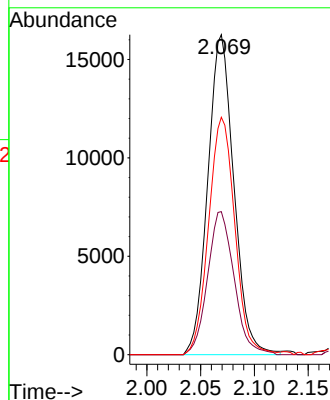
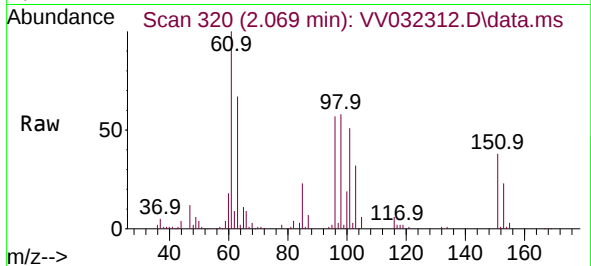




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.841 ug/L
 RT: 2.069 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

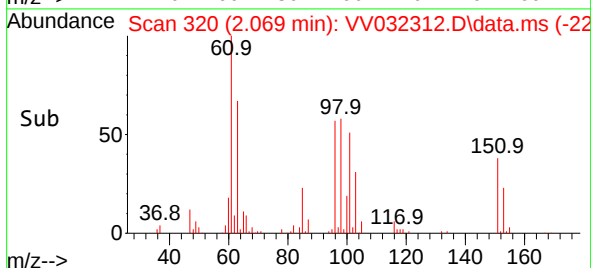
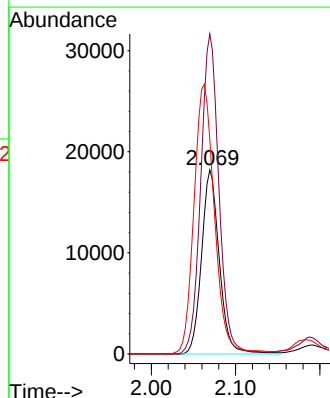
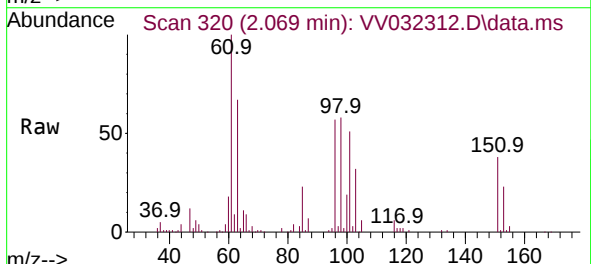
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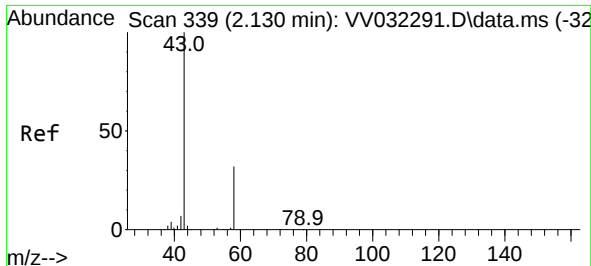
Tgt Ion:101 Resp: 27409
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.0 52.6
 151 74.6 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.002 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

Tgt Ion: 96 Resp: 26676
 Ion Ratio Lower Upper
 96 100
 61 173.9 127.3 236.3
 63 116.8 98.3 182.7





#13

Acetone

Concen: 56.447 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.019 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

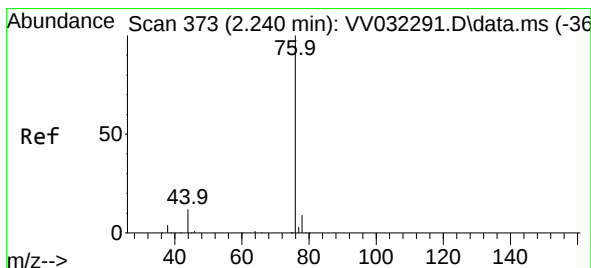
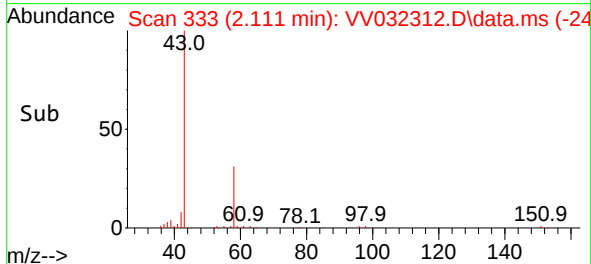
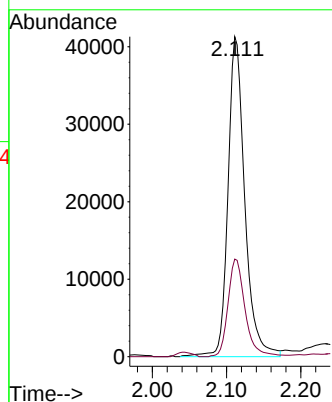
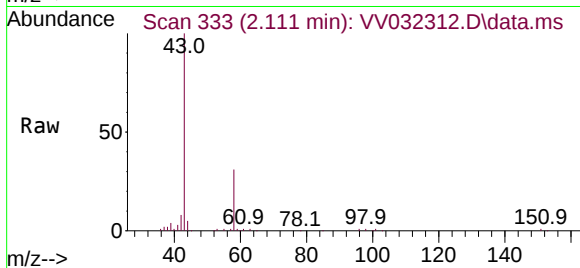
ClientSampleId :

Tgt Ion: 43 Resp: 65090

Ion Ratio Lower Upper

43 100

58 31.1 0.0 66.0



#14

Carbon disulfide

Concen: 4.582 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

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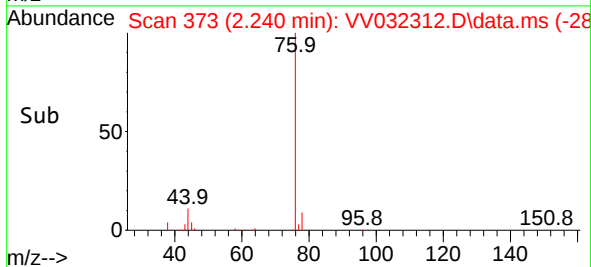
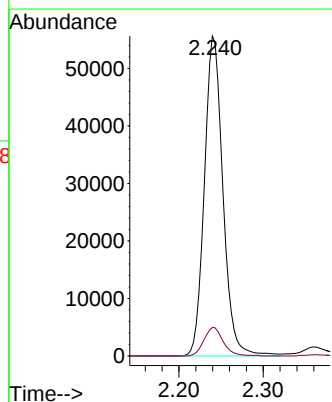
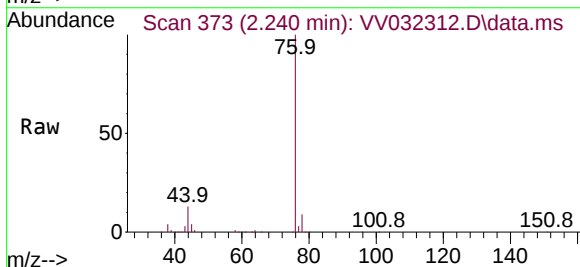
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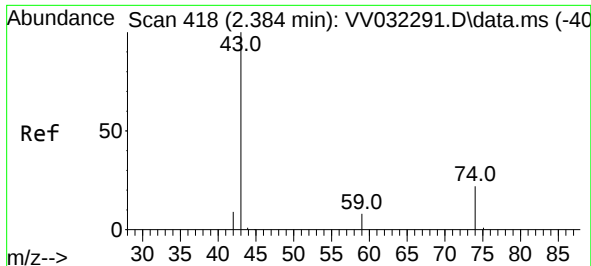
Tgt Ion: 76 Resp: 85432

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

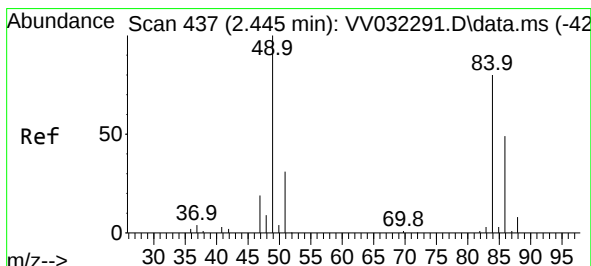
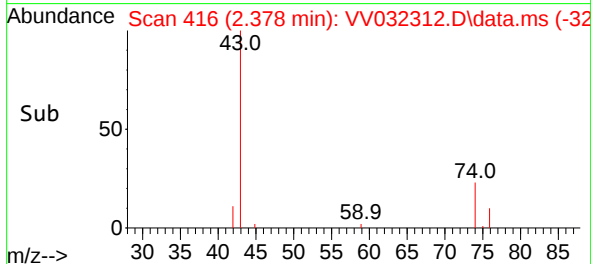
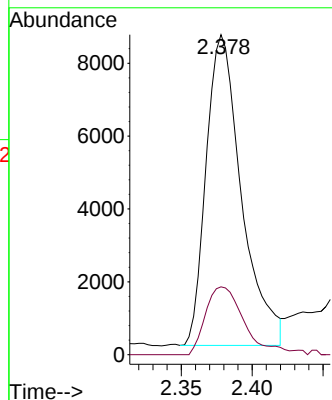
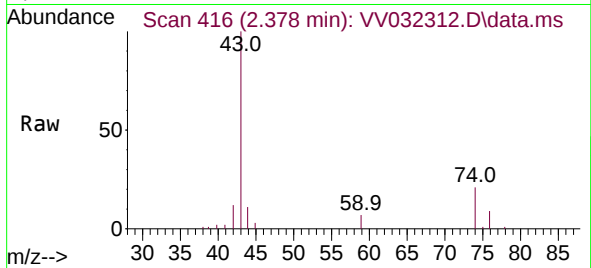




#15
Methyl Acetate
Concen: 5.700 ug/L
RT: 2.378 min Scan# 418
Delta R.T. -0.006 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

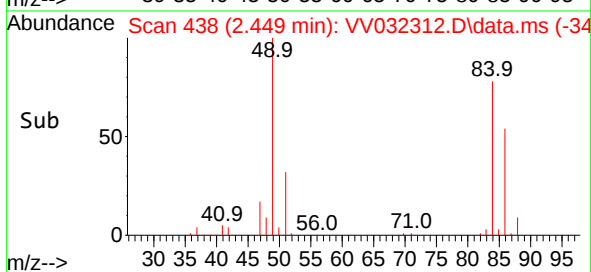
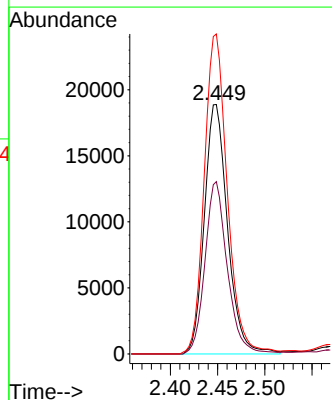
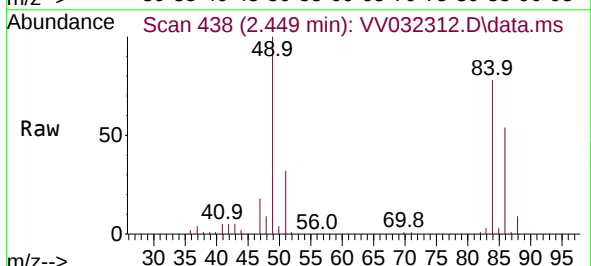
Instrument :
MSVOA_V
ClientSampleId :

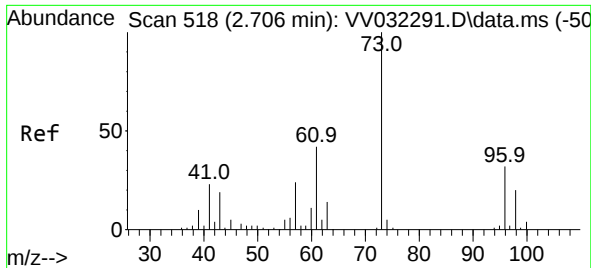
Tgt Ion: 43 Resp: 14798
Ion Ratio Lower Upper
43 100
74 24.1 18.0 27.0



#16
Methylene chloride
Concen: 4.641 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Tgt Ion: 84 Resp: 32267
Ion Ratio Lower Upper
84 100
86 69.1 43.2 80.2
49 128.3 86.3 160.3





#17

Methyl tert-butyl Ether

Concen: 5.221 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

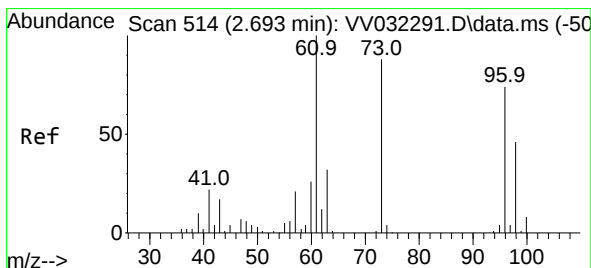
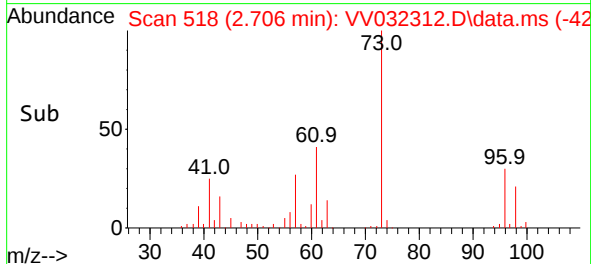
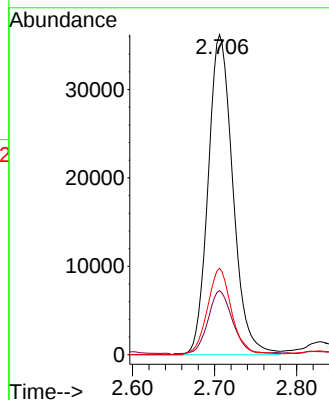
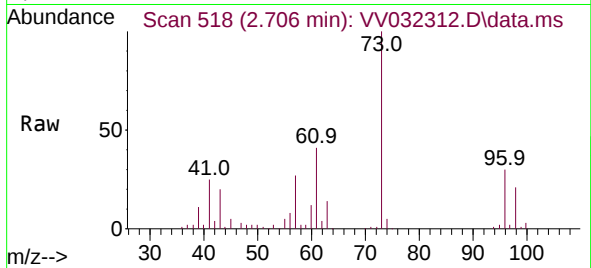
Tgt Ion: 73 Resp: 75808

Ion Ratio Lower Upper

73 100

43 20.5 15.1 22.7

57 26.5 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 4.587 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

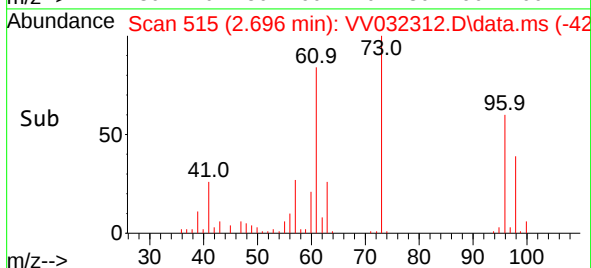
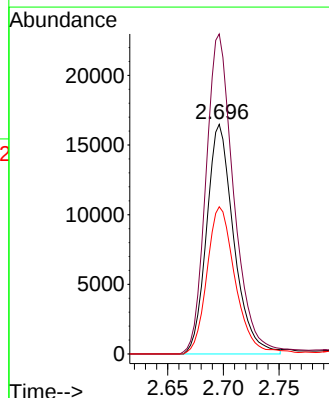
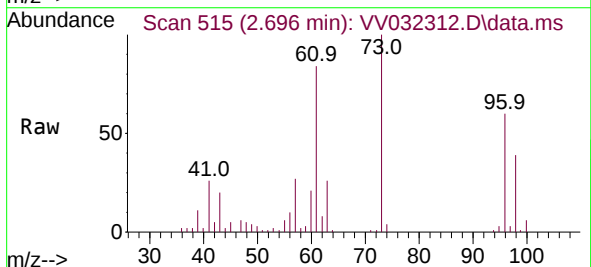
Tgt Ion: 96 Resp: 28023

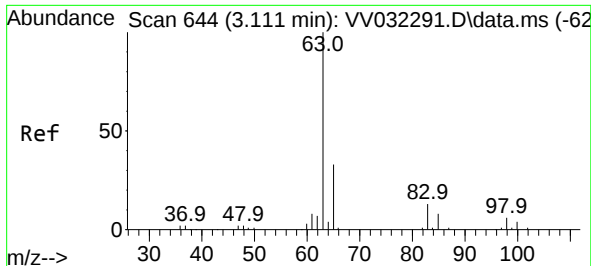
Ion Ratio Lower Upper

96 100

61 139.3 96.9 180.1

98 64.1 45.3 84.1





#19

1,1-Dichloroethane

Concen: 4.807 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

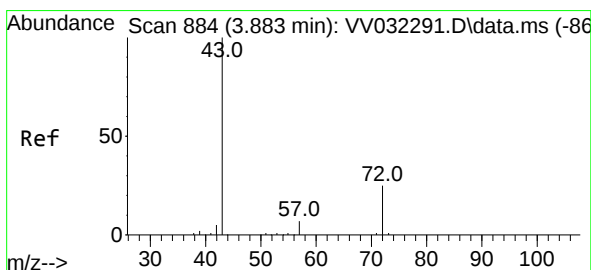
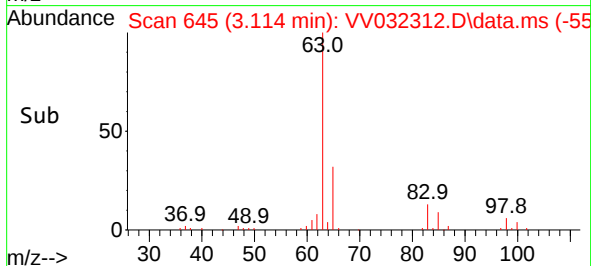
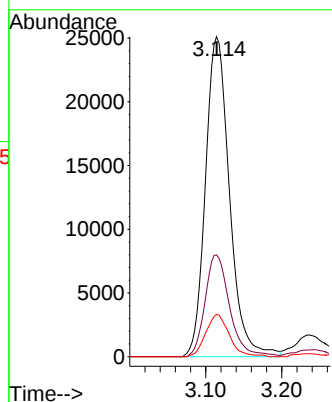
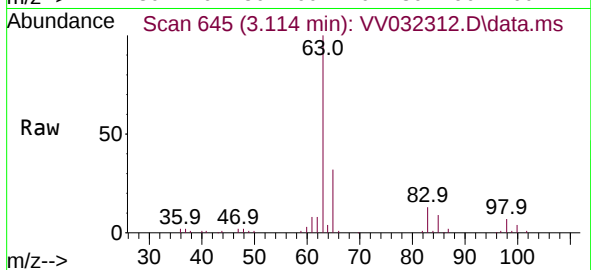
Tgt Ion: 63 Resp: 55242

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 13.2 9.0 16.6



#21

2-Butanone

Concen: 54.024 ug/L

RT: 3.870 min Scan# 880

Delta R.T. -0.013 min

Lab File: VV032312.D

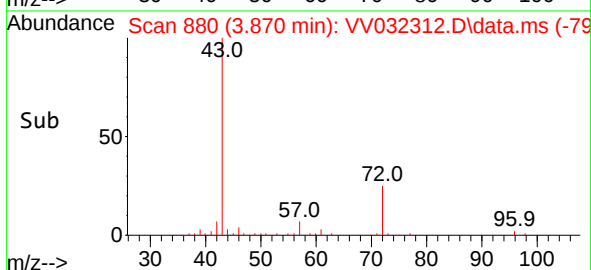
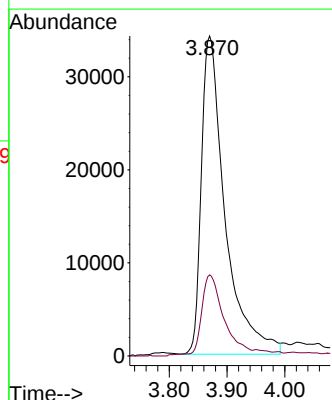
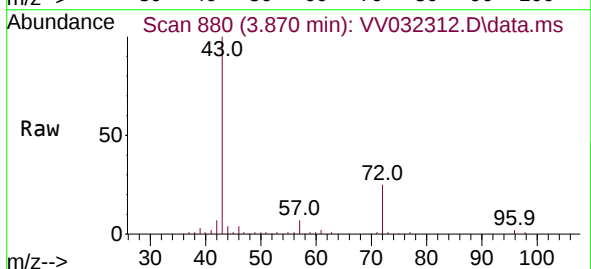
Acq: 06 Oct 2023 19:34

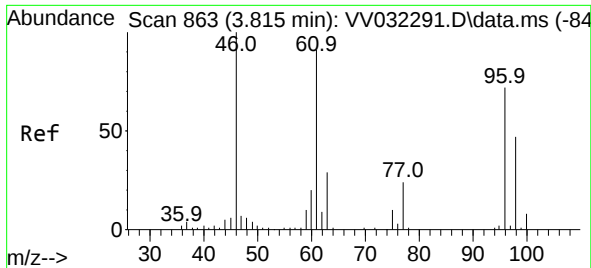
Tgt Ion: 43 Resp: 97418

Ion Ratio Lower Upper

43 100

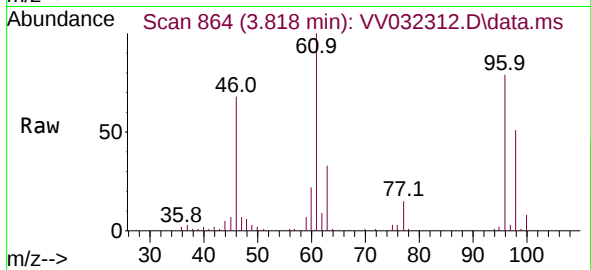
72 22.8 11.6 34.8





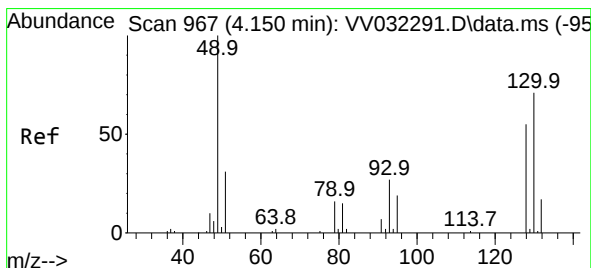
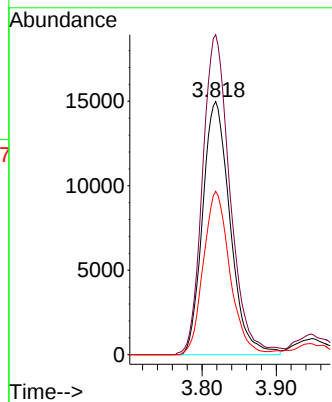
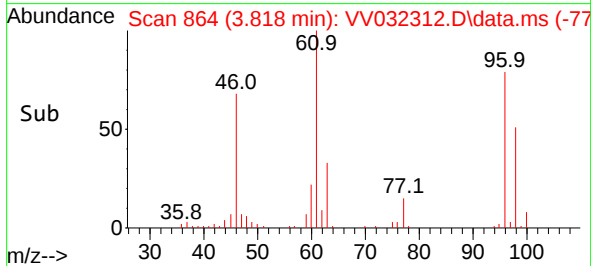
#22
 cis-1,2-Dichloroethene
 Concen: 5.863 ug/L
 RT: 3.818 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 38567

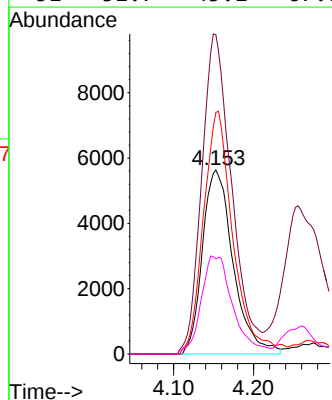
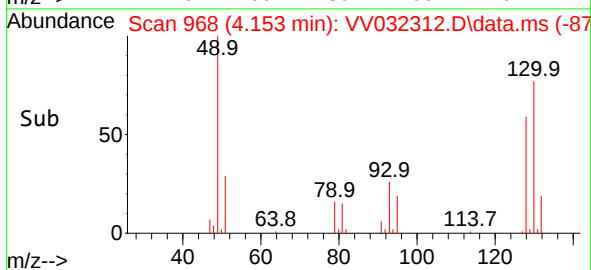
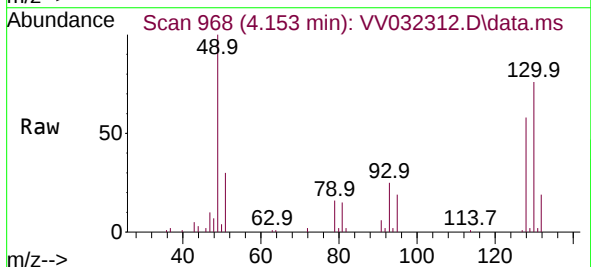
Ion	Ratio	Lower	Upper
96	100		
61	126.4	85.8	159.4
98	64.6	44.0	81.6

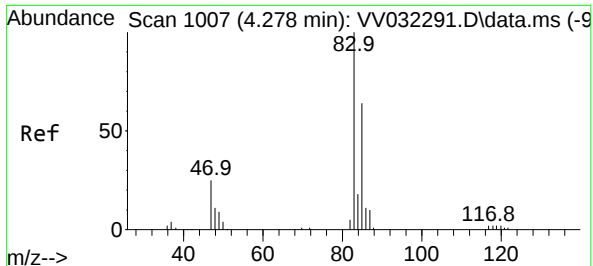


#23
 Bromochloromethane
 Concen: 5.433 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.003 min
 Lab File: VV032312.D
 Acq: 06 Oct 2023 19:34

Tgt Ion:128 Resp: 15034

Ion	Ratio	Lower	Upper
128	100		
49	173.7	121.2	225.0
130	131.4	88.2	163.8
51	51.7	45.1	67.7





#25

Chloroform

Concen: 5.348 ug/L

RT: 4.281 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

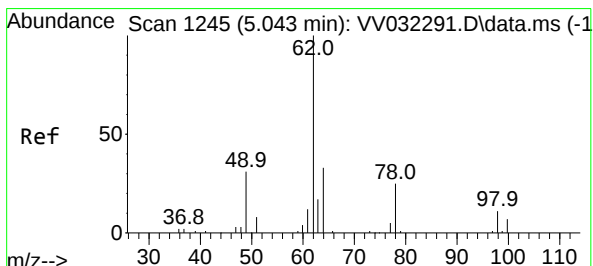
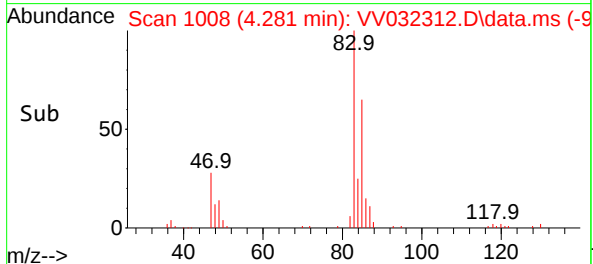
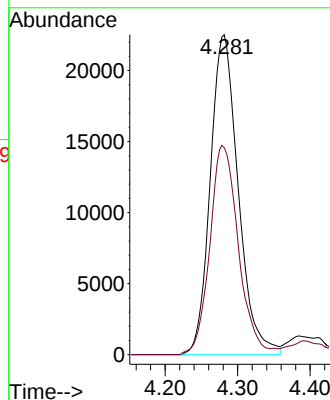
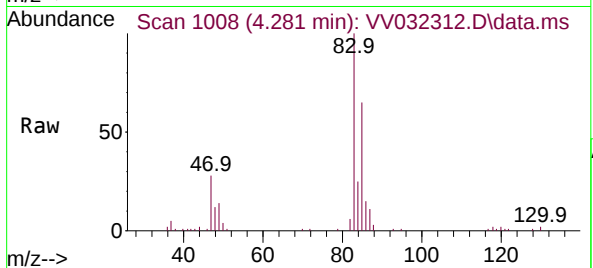
ClientSampleId :

Tgt Ion: 83 Resp: 60304

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.138 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV032312.D

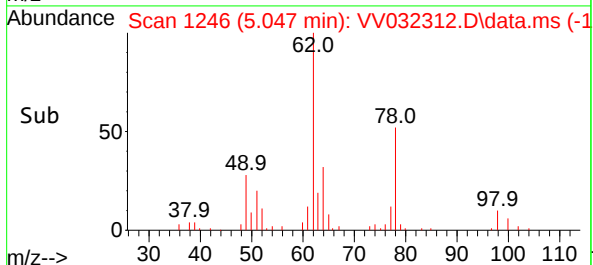
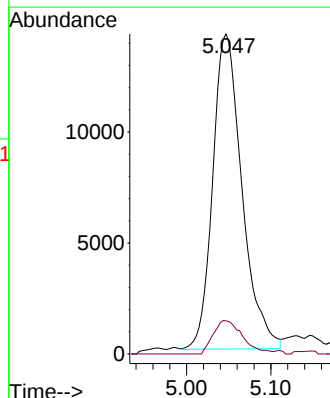
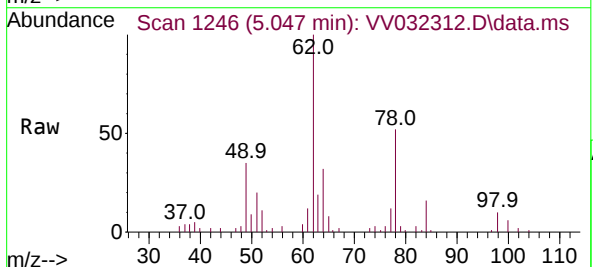
Acq: 06 Oct 2023 19:34

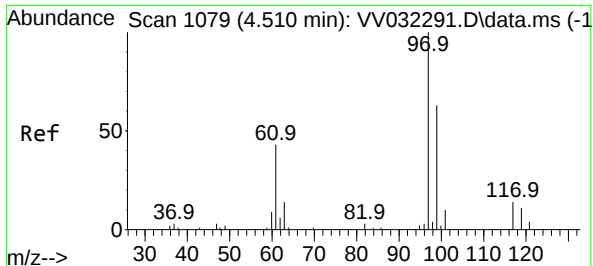
Tgt Ion: 62 Resp: 34226

Ion Ratio Lower Upper

62 100

98 10.4 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.343 ug/L

RT: 4.516 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

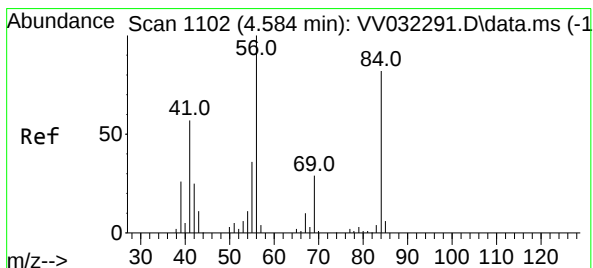
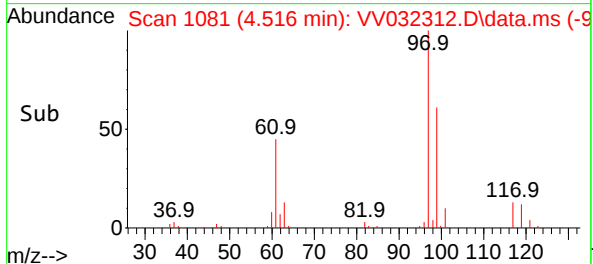
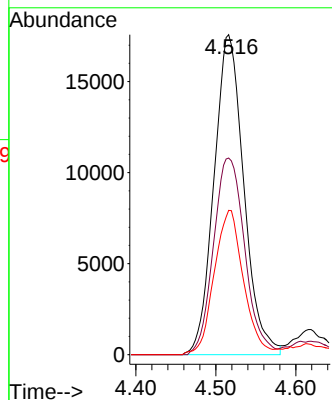
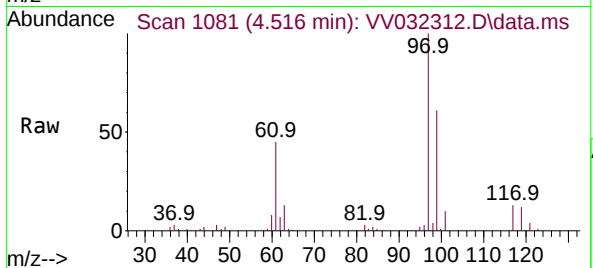
Tgt Ion: 97 Resp: 45577

Ion Ratio Lower Upper

97 100

99 64.4 50.1 75.1

61 44.2 35.1 52.7



#30

Cyclohexane

Concen: 3.939 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

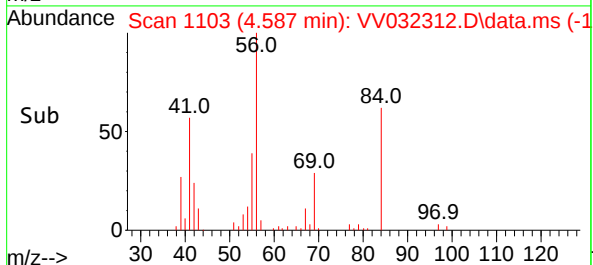
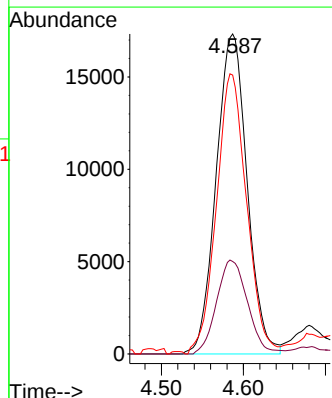
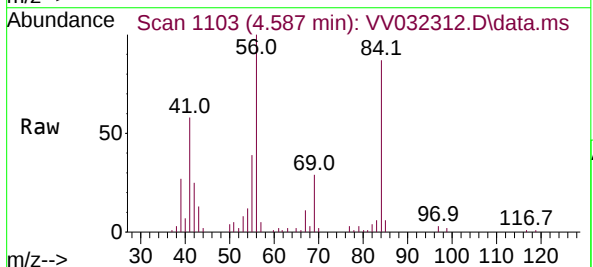
Tgt Ion: 56 Resp: 45417

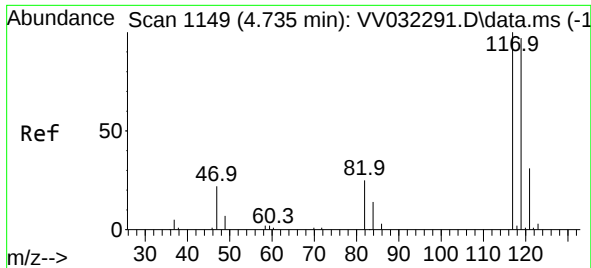
Ion Ratio Lower Upper

56 100

69 29.4 24.2 36.2

84 85.5 68.1 102.1

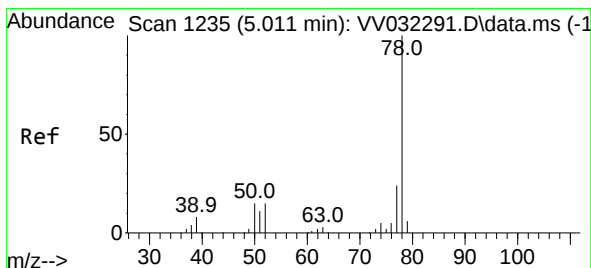
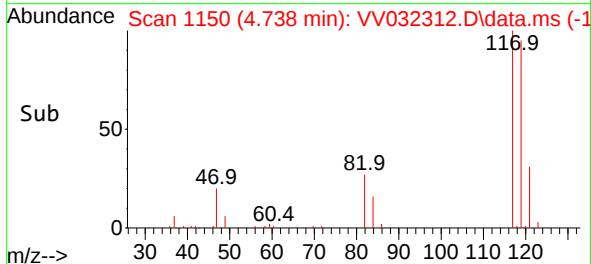
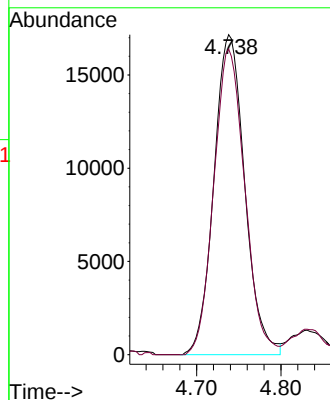
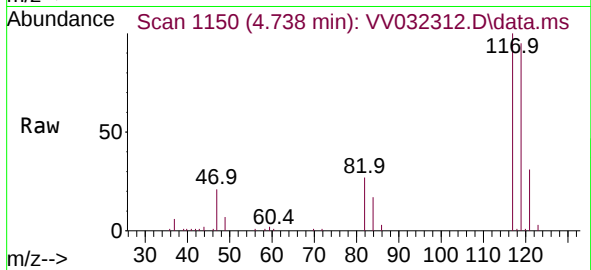




#31
Carbon tetrachloride
Concen: 4.908 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

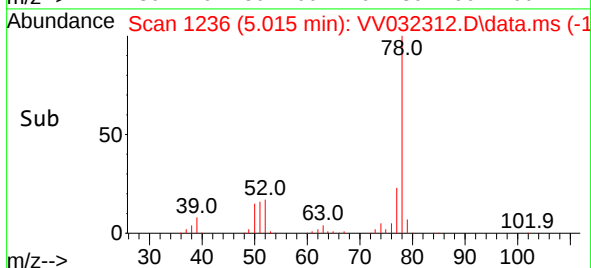
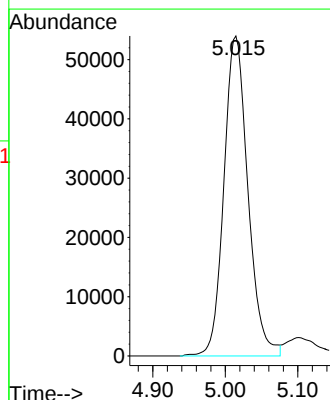
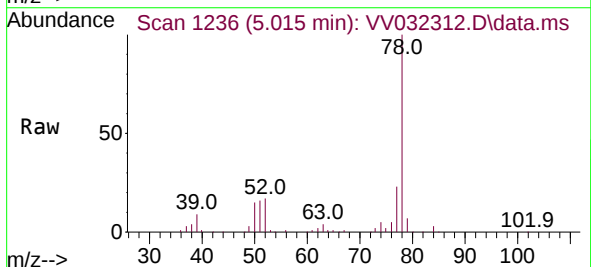
Instrument :
MSVOA_V
ClientSampleId :

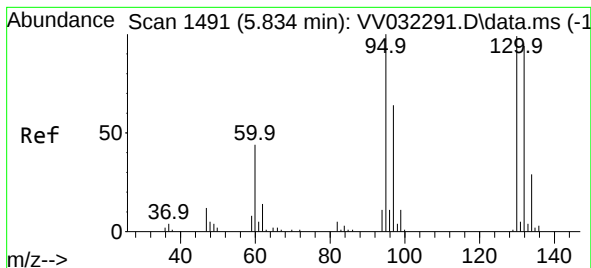
Tgt Ion:117 Resp: 43576
Ion Ratio Lower Upper
117 100
119 96.0 77.6 116.4



#33
Benzene
Concen: 4.578 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Tgt Ion: 78 Resp: 124402





#34

Trichloroethene

Concen: 123.231 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 914131

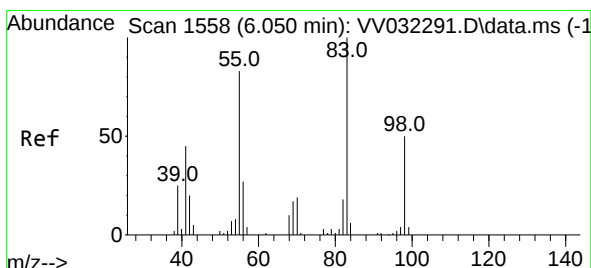
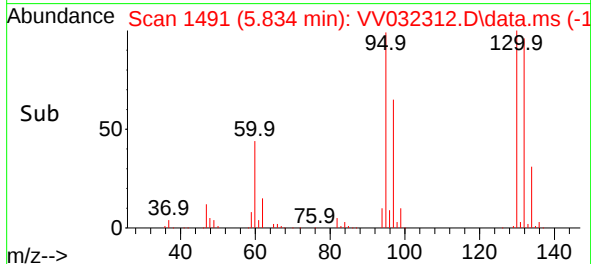
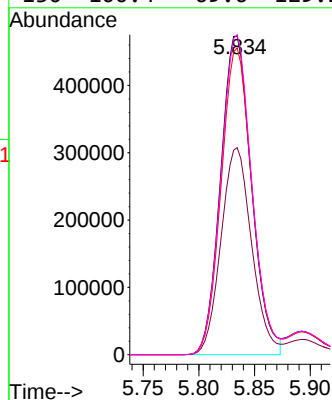
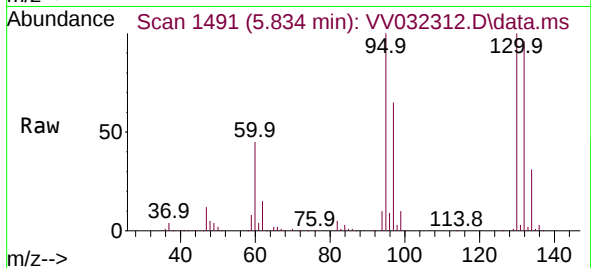
Ion Ratio Lower Upper

95 100

97 65.0 45.7 84.9

132 96.3 70.3 130.5

130 100.4 69.6 129.2



#35

Methylcyclohexane

Concen: 4.176 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

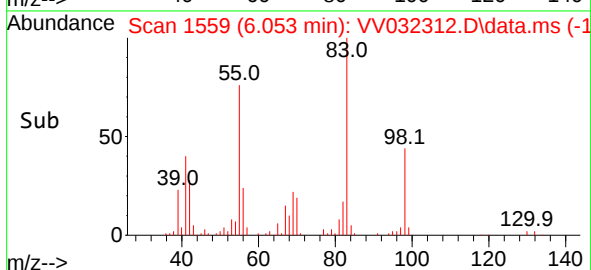
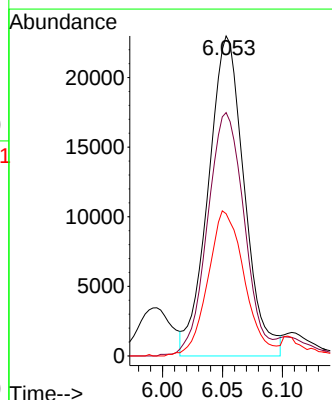
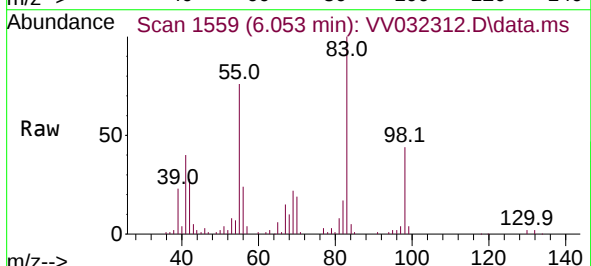
Tgt Ion: 83 Resp: 47935

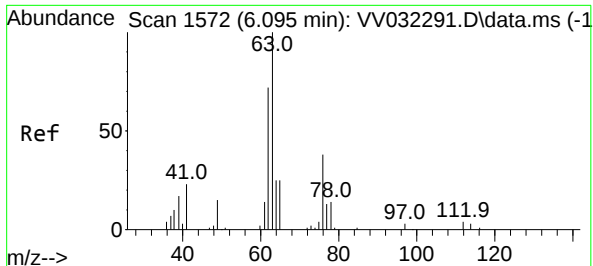
Ion Ratio Lower Upper

83 100

55 77.8 64.2 96.2

98 45.8 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.112 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

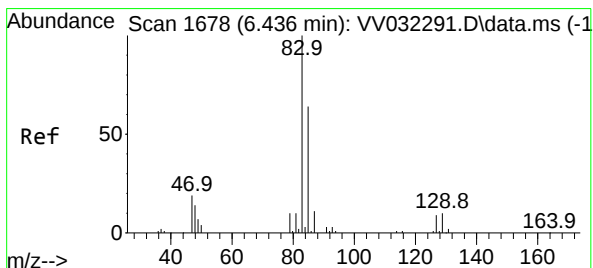
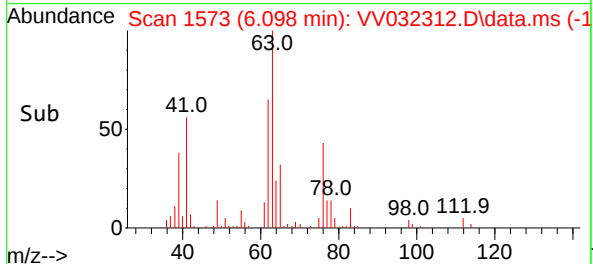
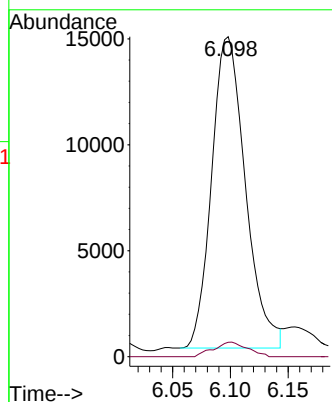
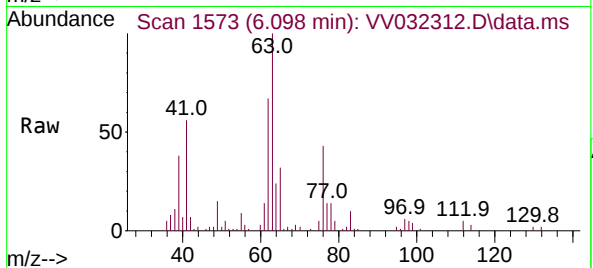
ClientSampleId :

Tgt Ion: 63 Resp: 29881

Ion Ratio Lower Upper

63 100

112 4.7 3.4 5.2



#38

Bromodichloromethane

Concen: 4.781 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

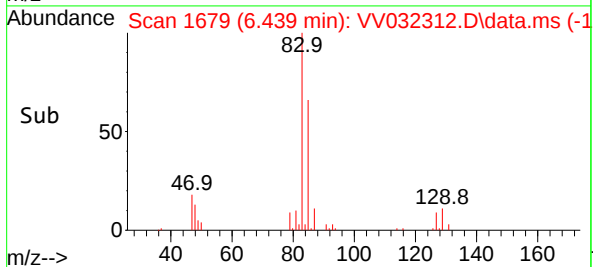
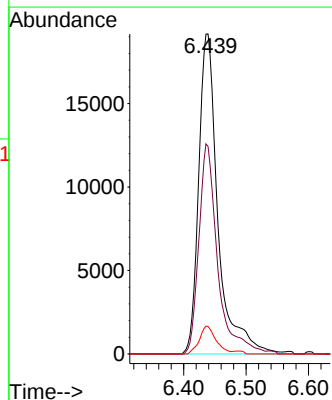
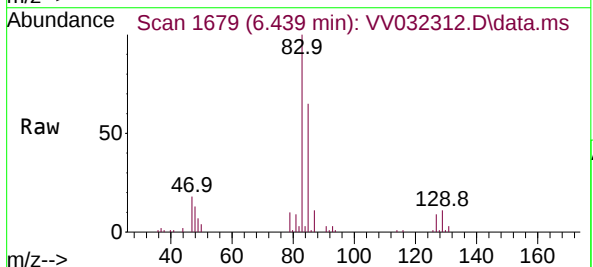
Tgt Ion: 83 Resp: 41284

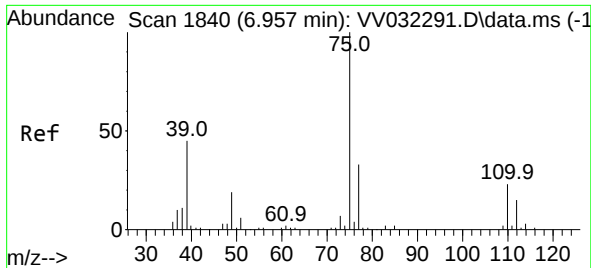
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.3

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.449 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

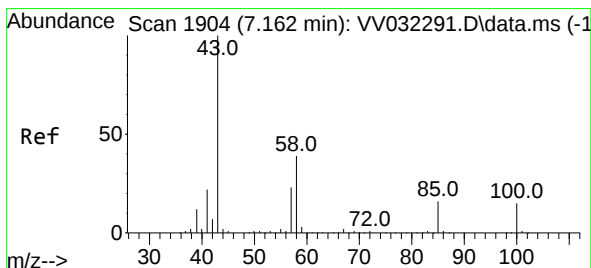
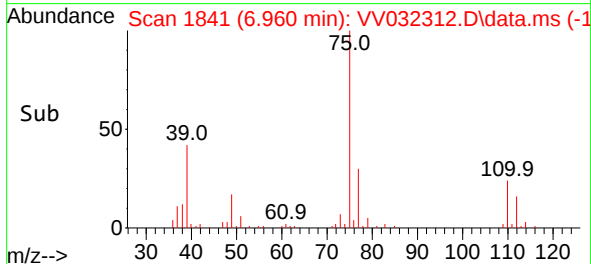
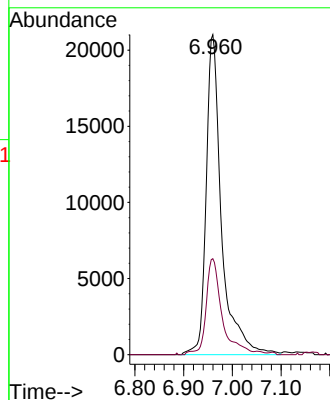
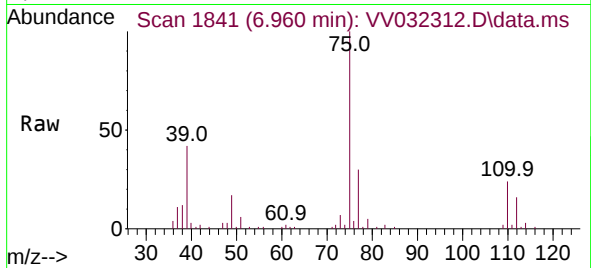
ClientSampleId :

Tgt Ion: 75 Resp: 46012

Ion Ratio Lower Upper

75 100

77 30.0 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 54.770 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

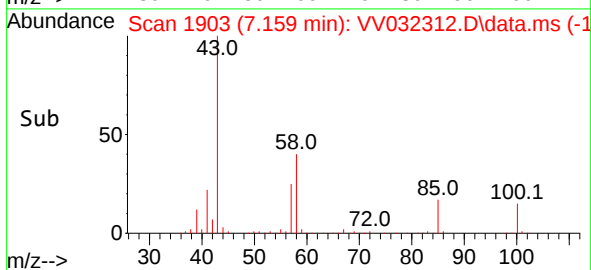
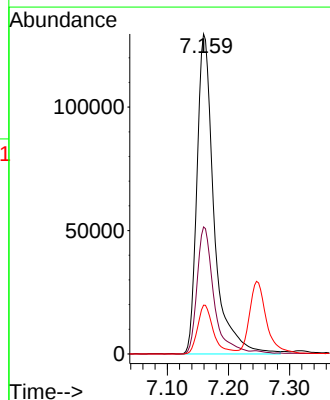
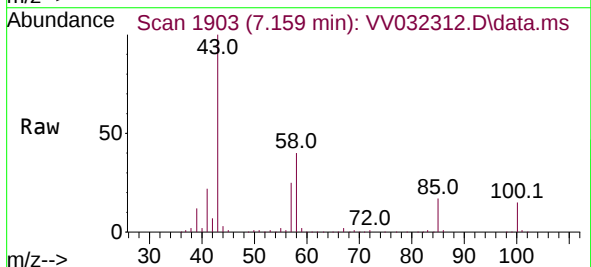
Tgt Ion: 43 Resp: 251878

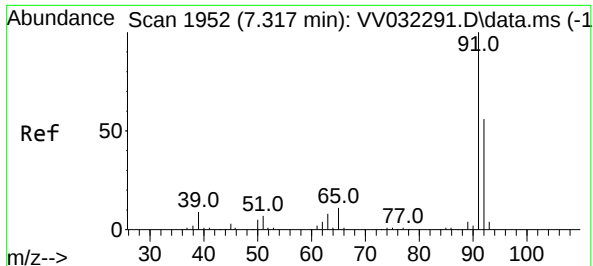
Ion Ratio Lower Upper

43 100

58 39.0 31.9 47.9

100 14.1 11.3 16.9





#42

Toluene

Concen: 5.145 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

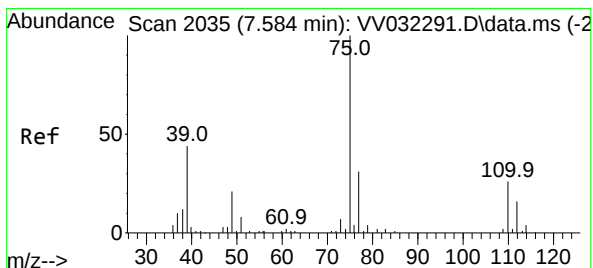
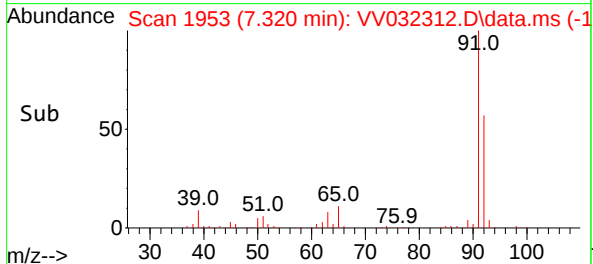
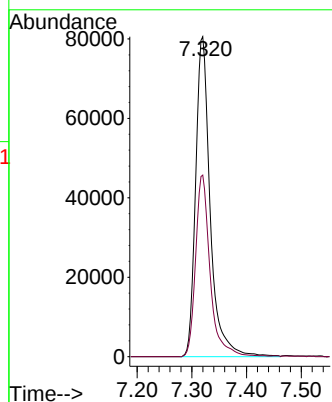
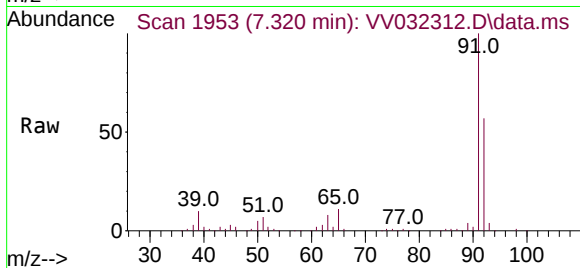
ClientSampleId :

Tgt Ion: 91 Resp: 149049

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.412 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032312.D

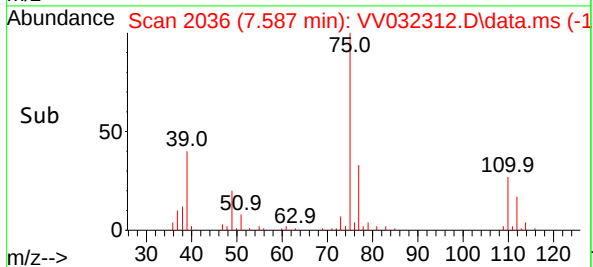
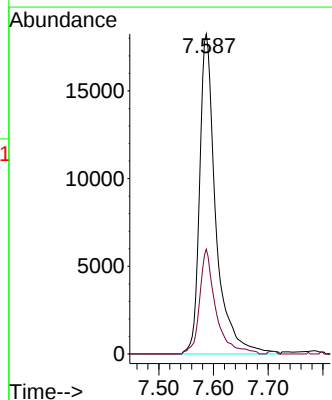
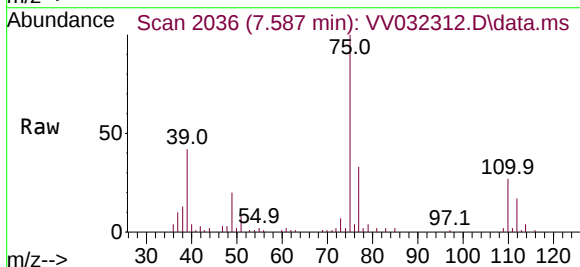
Acq: 06 Oct 2023 19:34

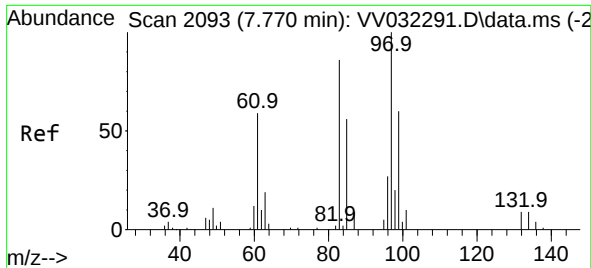
Tgt Ion: 75 Resp: 37497

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.128 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 26290

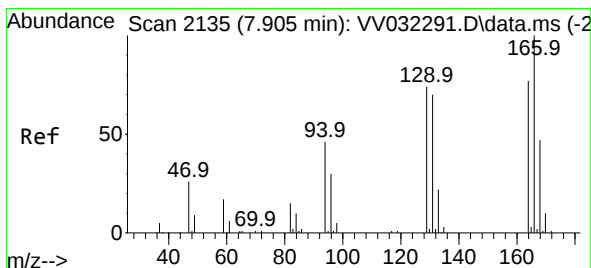
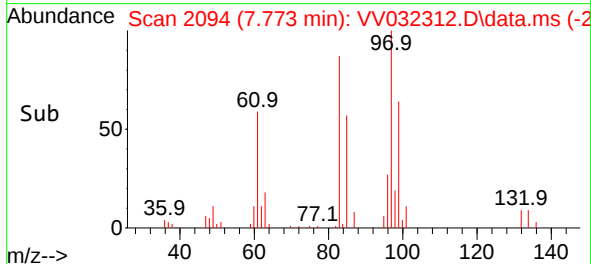
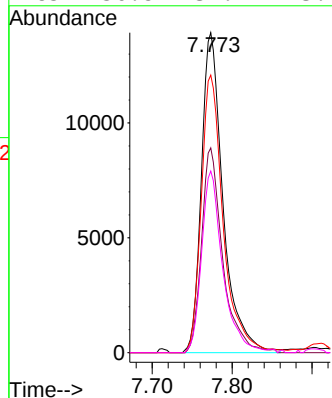
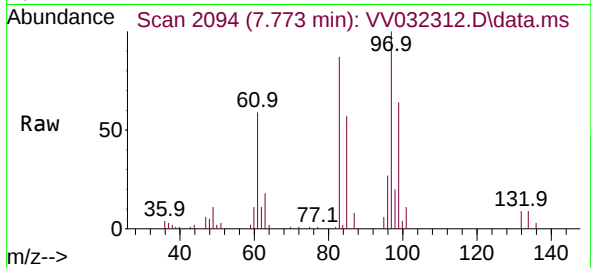
Ion Ratio Lower Upper

97 100

99 64.0 42.8 79.4

83 86.7 60.9 113.1

85 56.8 39.4 73.2



#47

Tetrachloroethene

Concen: 4.267 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Tgt Ion:164 Resp: 24004

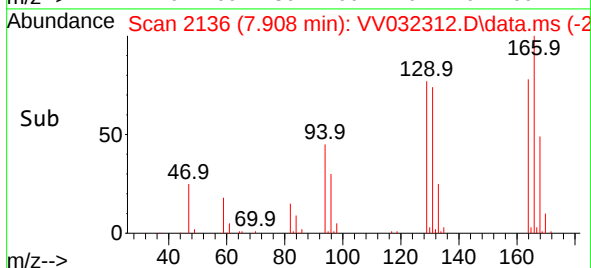
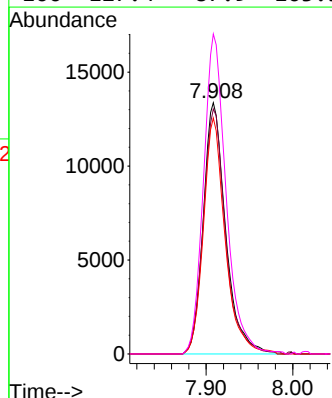
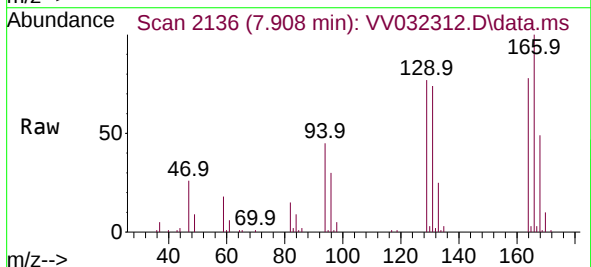
Ion Ratio Lower Upper

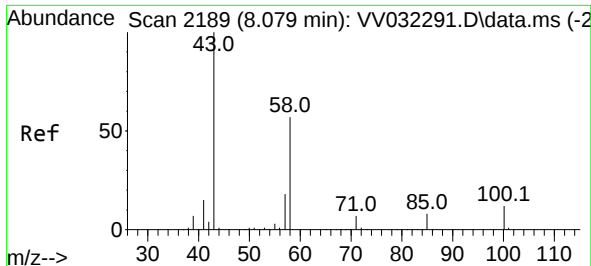
164 100

129 97.5 66.4 123.4

131 93.9 63.7 118.3

166 127.4 87.9 163.3



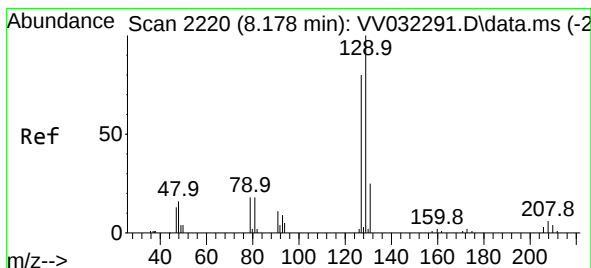
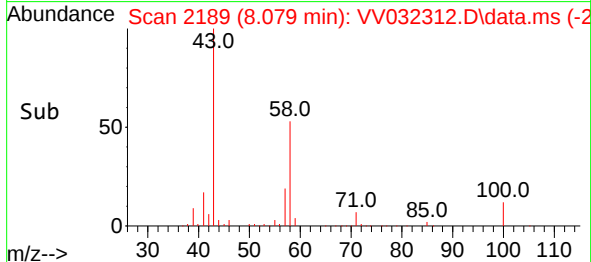
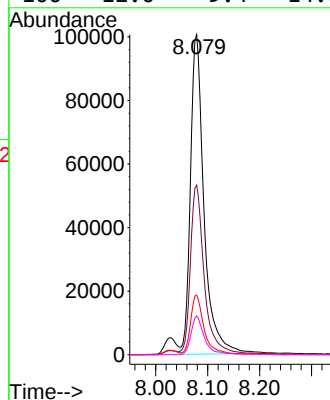
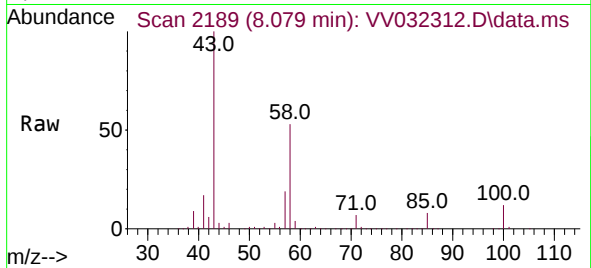


#48
2-Hexanone
Concen: 56.345 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 182821

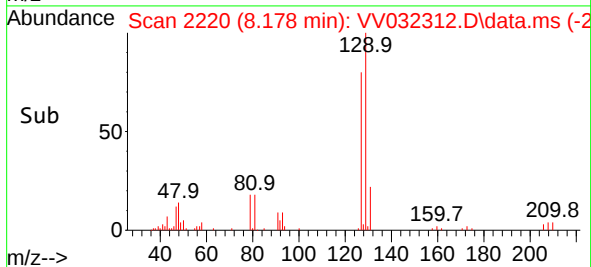
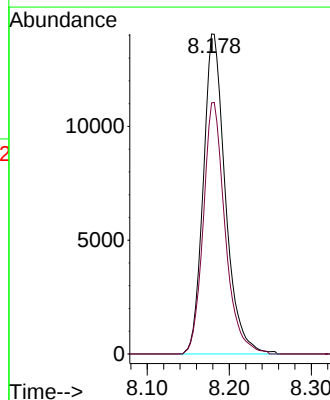
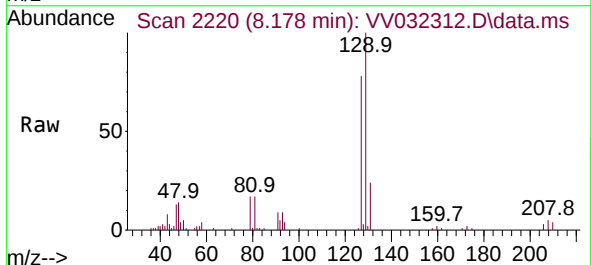
Ion	Ratio	Lower	Upper
43	100		
58	52.9	43.6	65.4
57	18.2	14.6	22.0
100	12.0	9.4	14.0

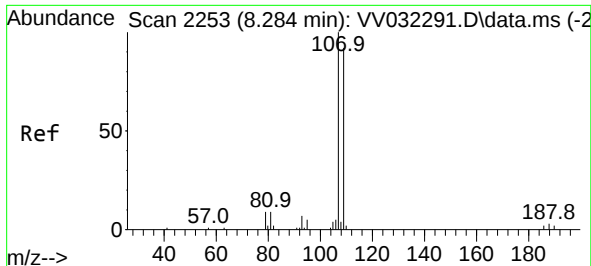


#49
Dibromochloromethane
Concen: 4.927 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Tgt Ion: 129 Resp: 26298

Ion	Ratio	Lower	Upper
129	100		
127	78.4	57.2	106.2





#50

1,2-Dibromoethane

Concen: 5.156 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

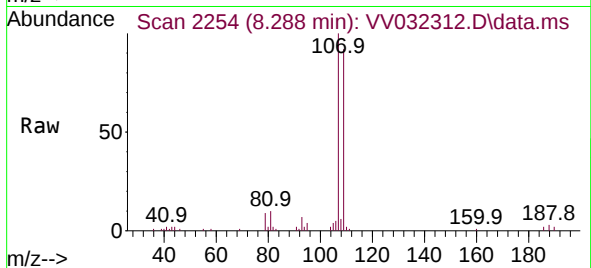
Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :



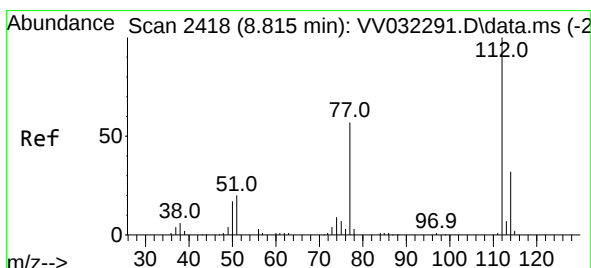
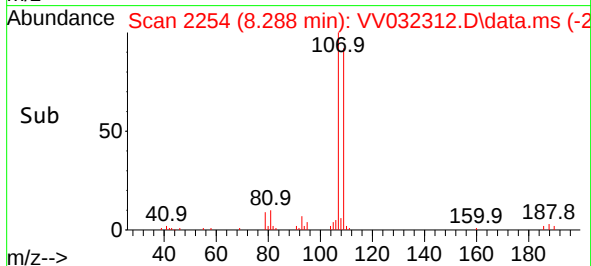
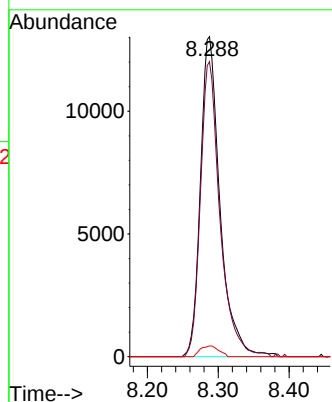
Tgt Ion:107 Resp: 25002

Ion Ratio Lower Upper

107 100

109 92.2 68.4 127.0

188 3.4 3.2 4.8



#51

Chlorobenzene

Concen: 4.311 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

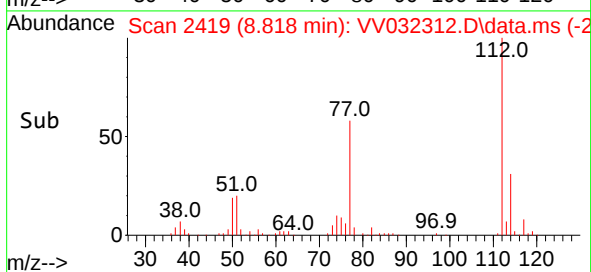
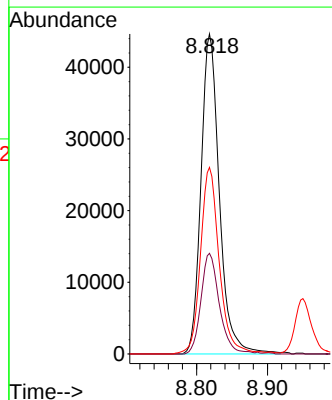
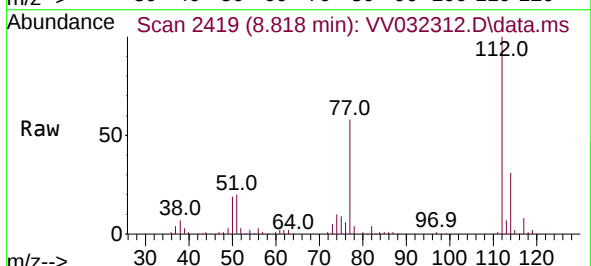
Tgt Ion:112 Resp: 80394

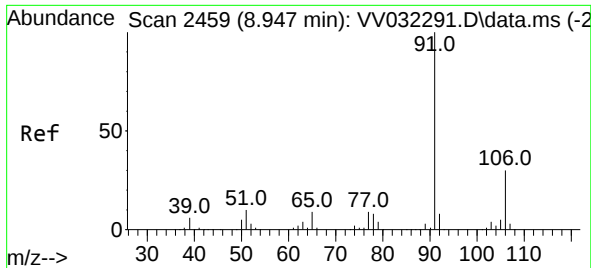
Ion Ratio Lower Upper

112 100

114 31.4 22.1 41.1

77 58.3 46.1 69.1

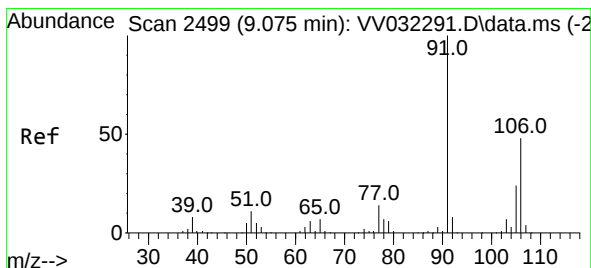
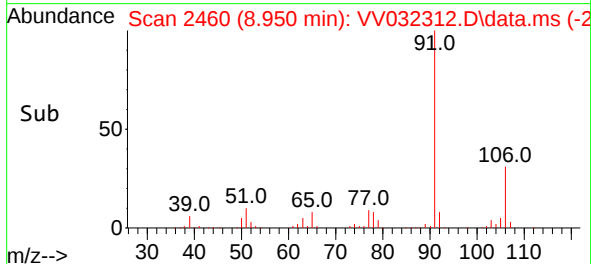
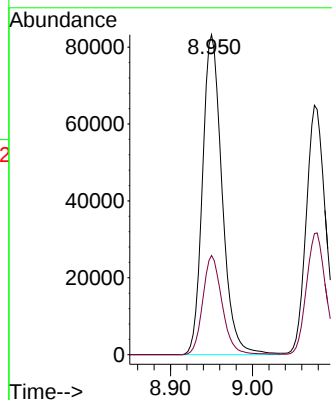
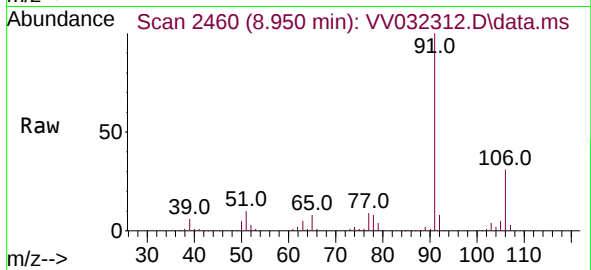




#52
Ethylbenzene
Concen: 4.270 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

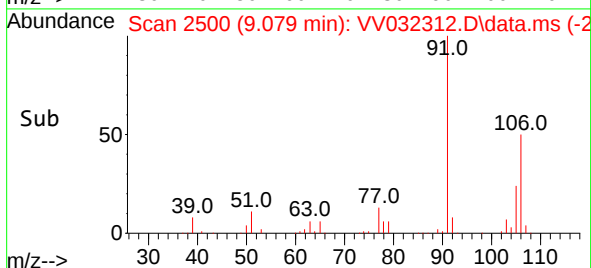
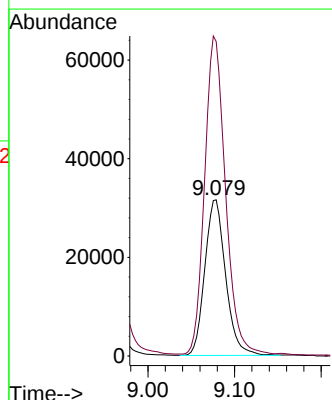
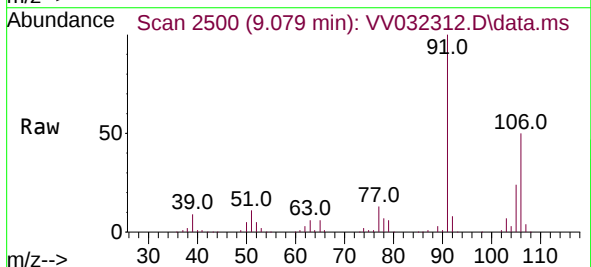
Instrument :
MSVOA_V
ClientSampleId :

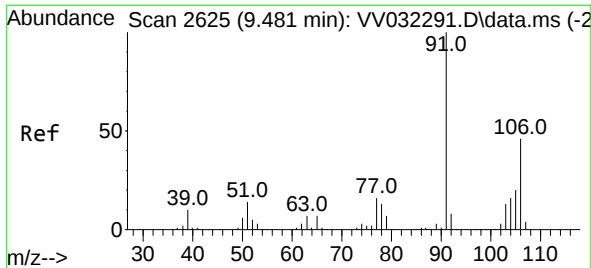
Tgt Ion: 91 Resp: 137747
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.5



#53
m,p-Xylene
Concen: 4.409 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Tgt Ion: 106 Resp: 52746
Ion Ratio Lower Upper
106 100
91 201.2 144.5 268.3

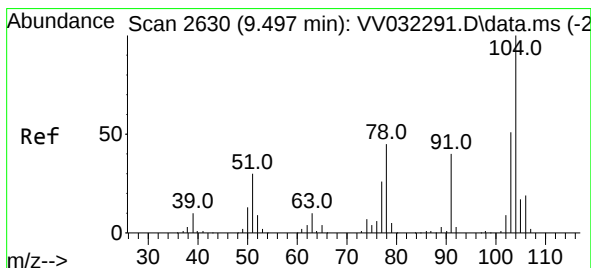
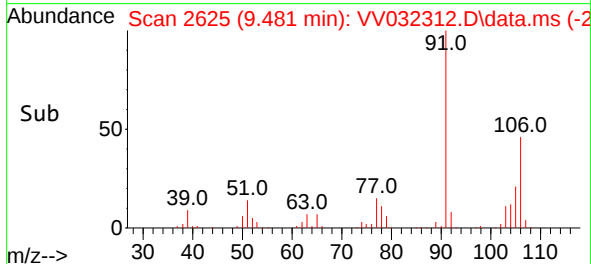
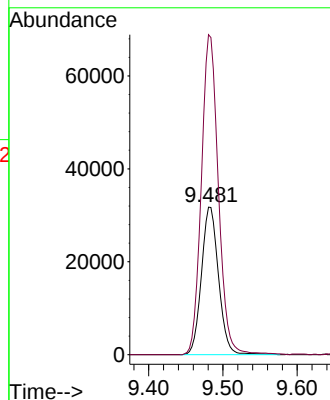
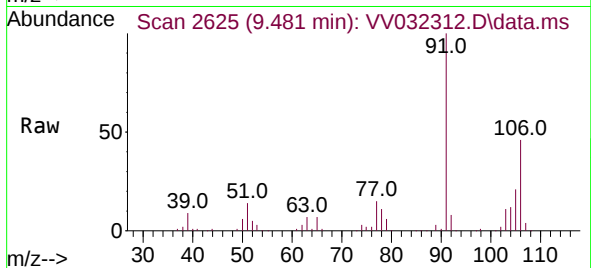




#54
o-Xylene
Concen: 4.409 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

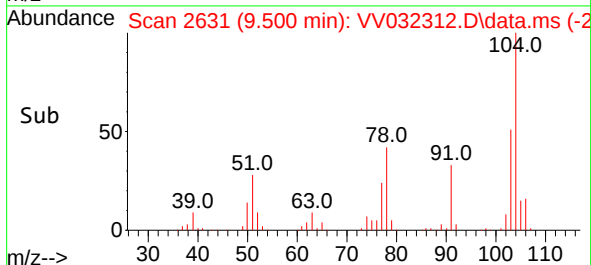
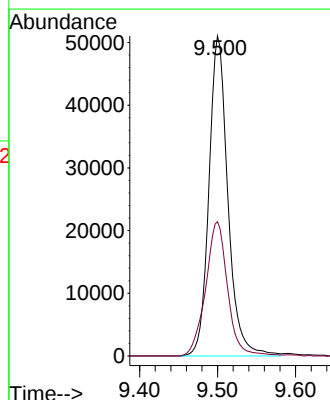
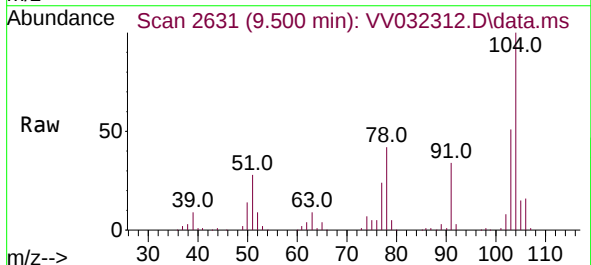
Instrument :
MSVOA_V
ClientSampleId :

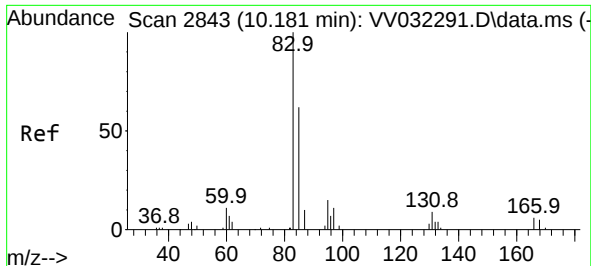
Tgt Ion:106 Resp: 50824
Ion Ratio Lower Upper
106 100
91 216.9 154.8 287.4



#55
Styrene
Concen: 4.430 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Tgt Ion:104 Resp: 86237
Ion Ratio Lower Upper
104 100
78 42.0 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.778 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

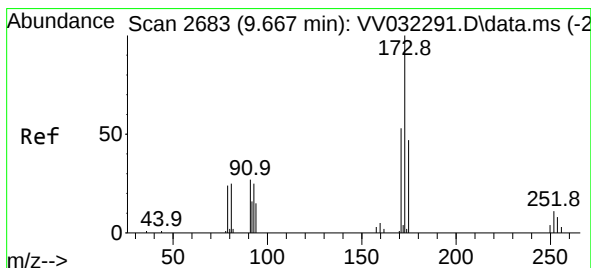
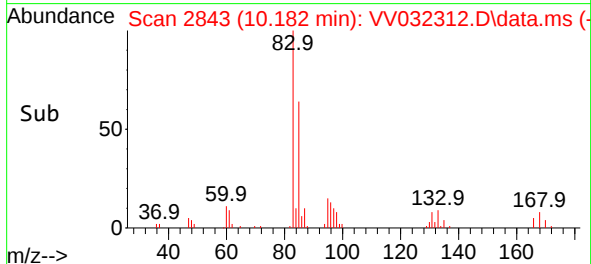
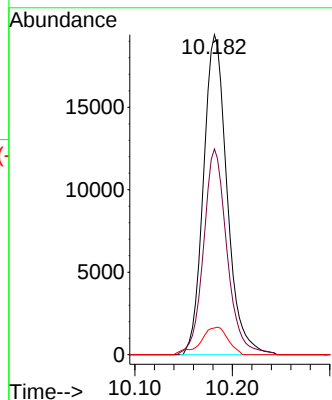
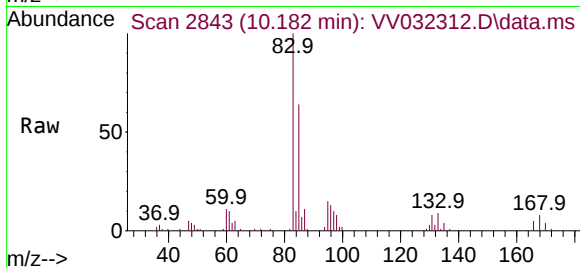
Tgt Ion: 83 Resp: 32590

Ion Ratio Lower Upper

83 100

85 64.3 43.6 81.0

131 8.4 7.0 10.6



#59

Bromoform

Concen: 4.826 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

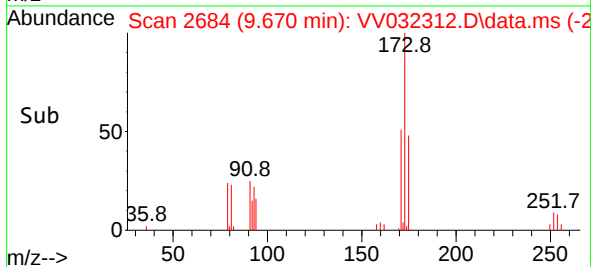
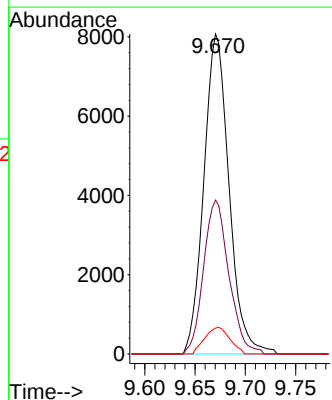
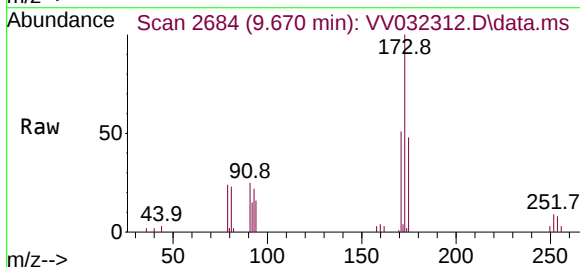
Tgt Ion: 173 Resp: 14051

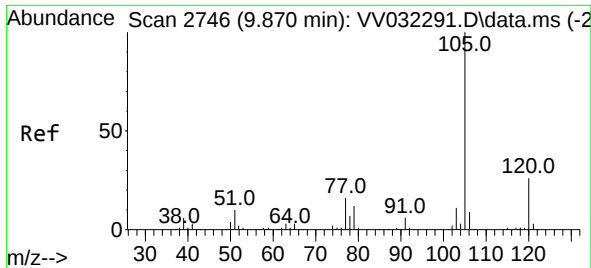
Ion Ratio Lower Upper

173 100

175 48.4 38.2 57.2

254 8.2 7.0 10.4

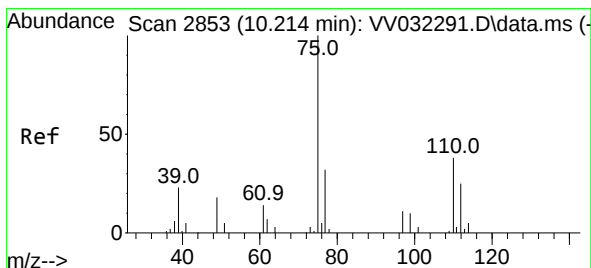
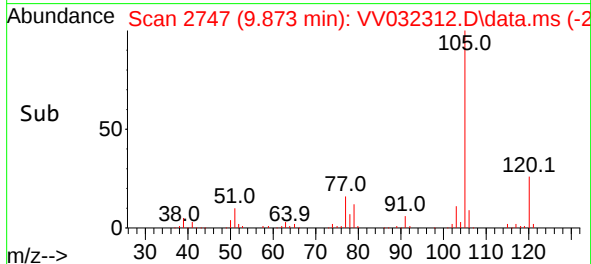
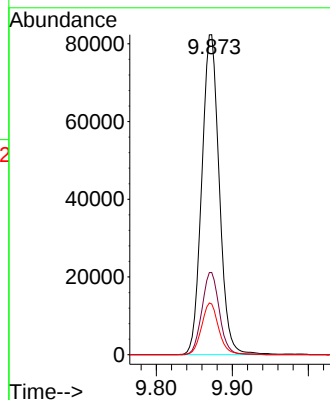
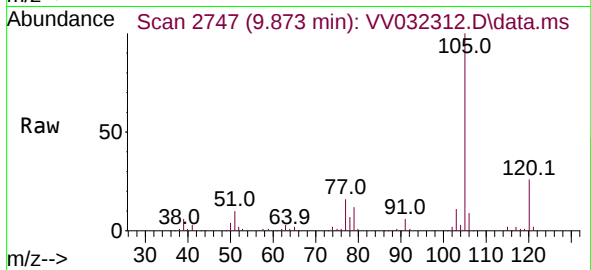




#60
Isopropylbenzene
Concen: 4.226 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

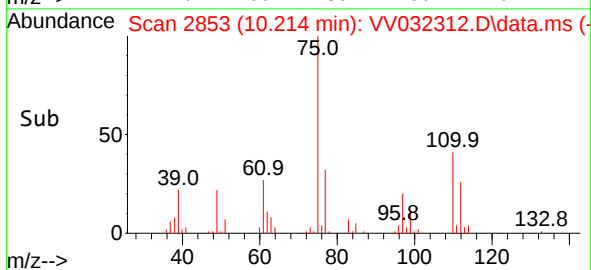
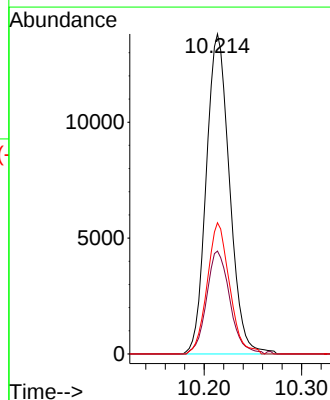
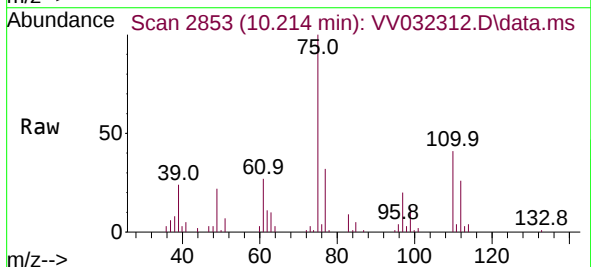
Instrument :
MSVOA_V
ClientSampleId :

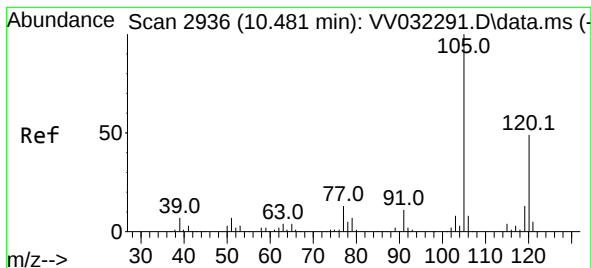
Tgt Ion:105 Resp: 131491
Ion Ratio Lower Upper
105 100
120 25.6 21.0 31.6
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.378 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

Tgt Ion: 75 Resp: 22917
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
110 39.4 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.029 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

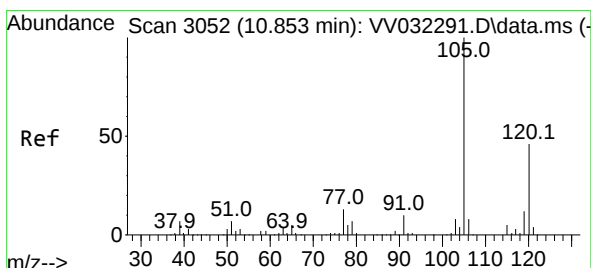
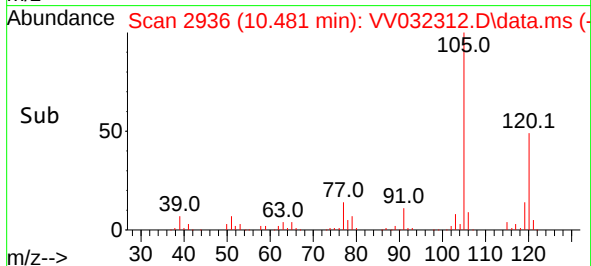
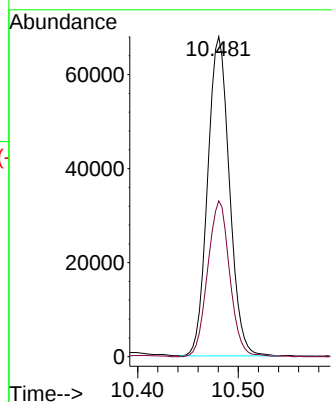
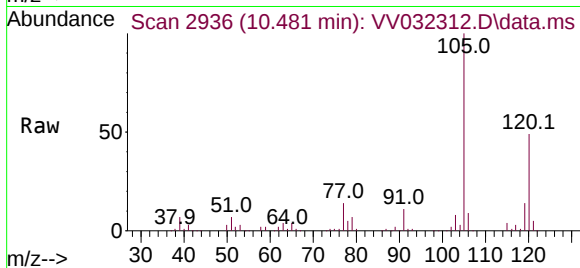
ClientSampleId :

Tgt Ion:105 Resp: 102178

Ion Ratio Lower Upper

105 100

120 49.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.210 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032312.D

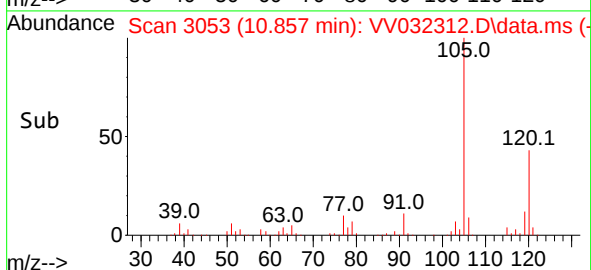
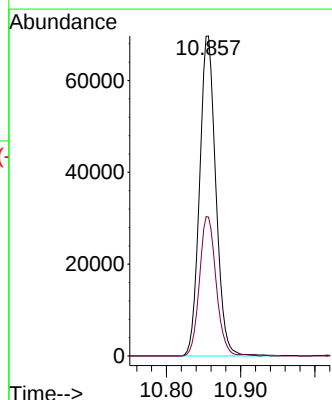
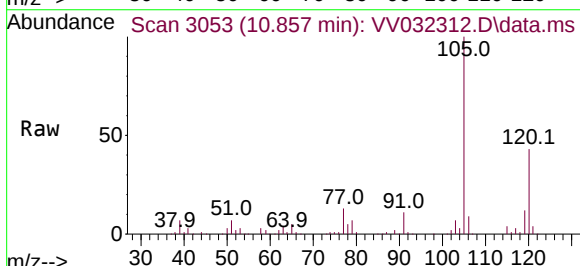
Acq: 06 Oct 2023 19:34

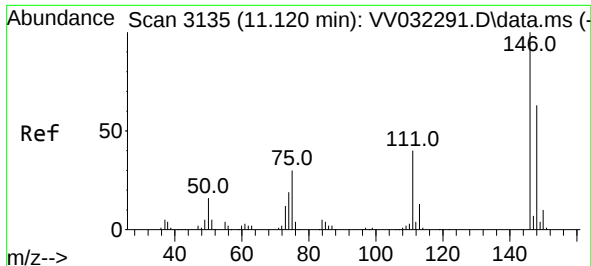
Tgt Ion:105 Resp: 106287

Ion Ratio Lower Upper

105 100

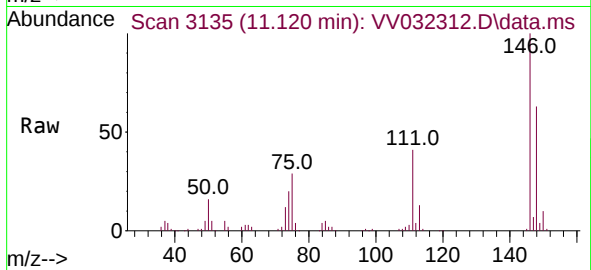
120 44.4 36.2 54.4



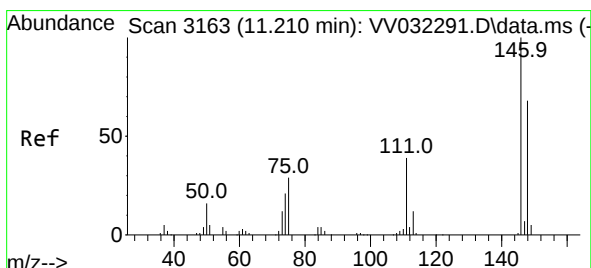
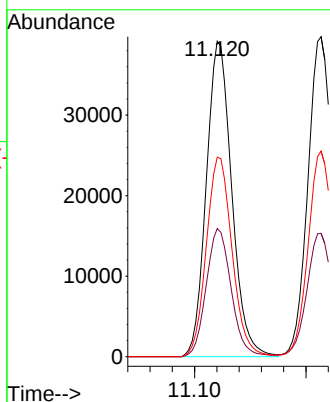
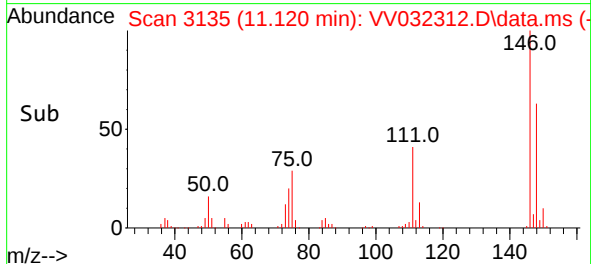


#64
1,3-Dichlorobenzene
Concen: 4.180 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34

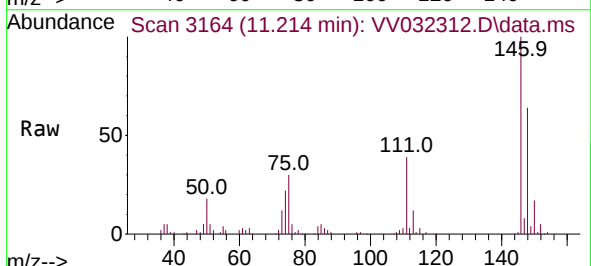
Instrument :
MSVOA_V
ClientSampleId :



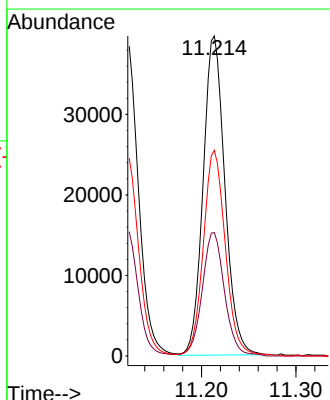
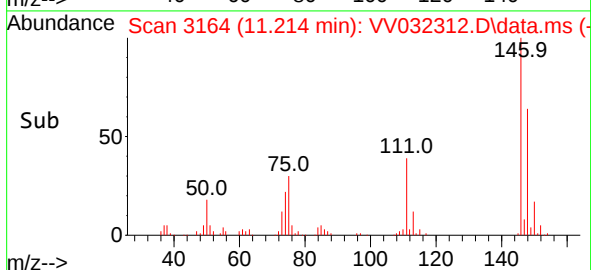
Tgt Ion:146 Resp: 62133
Ion Ratio Lower Upper
146 100
111 40.6 27.8 51.6
148 63.2 43.7 81.1

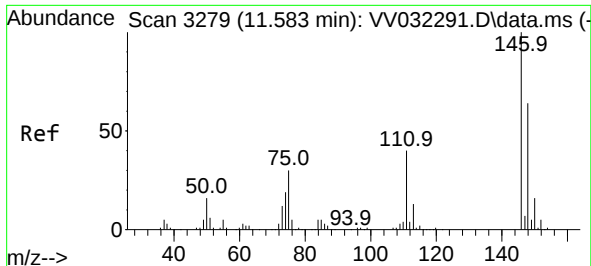


#65
1,4-Dichlorobenzene
Concen: 4.252 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032312.D
Acq: 06 Oct 2023 19:34



Tgt Ion:146 Resp: 63401
Ion Ratio Lower Upper
146 100
111 38.6 26.9 49.9
148 64.3 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.402 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

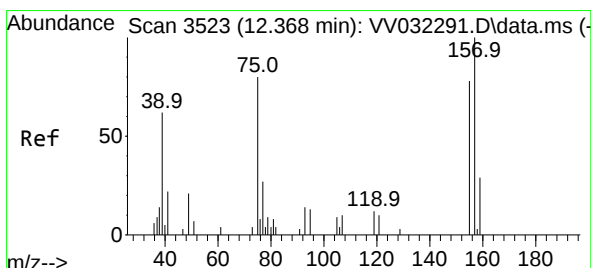
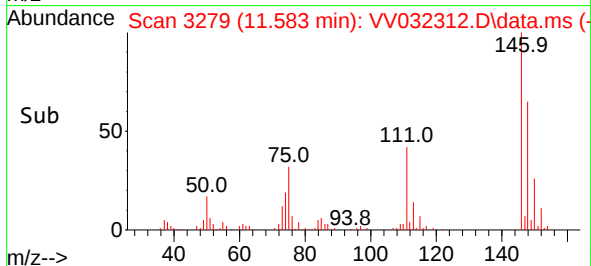
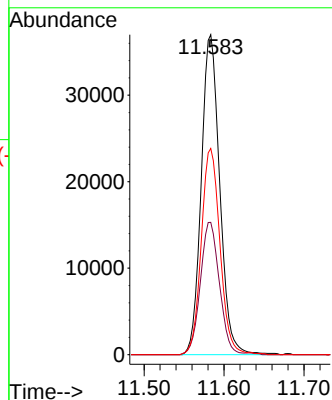
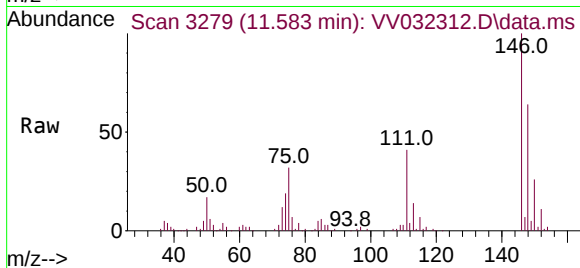
Tgt Ion:146 Resp: 59673

Ion Ratio Lower Upper

146 100

111 41.3 32.8 49.2

148 64.4 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.907 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

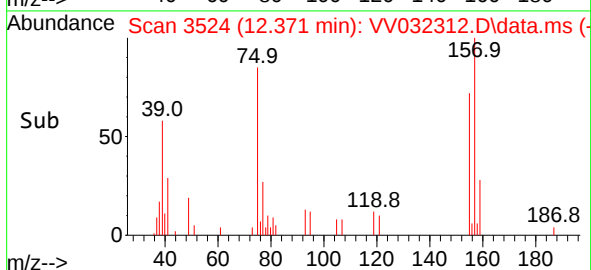
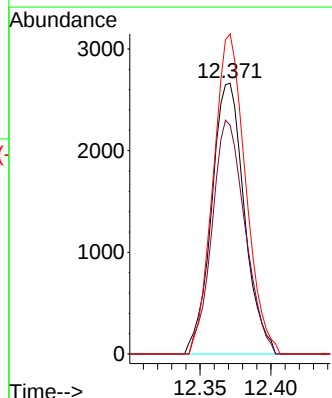
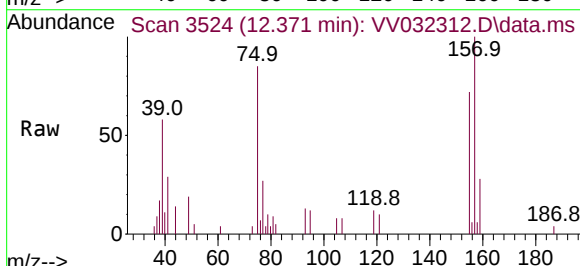
Tgt Ion: 75 Resp: 4272

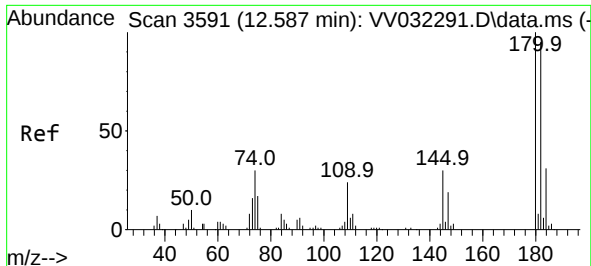
Ion Ratio Lower Upper

75 100

155 84.5 70.2 105.4

157 118.2 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 3.931 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

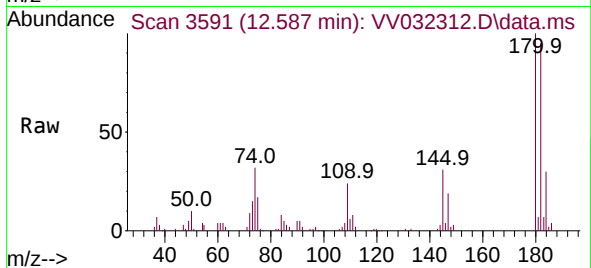
Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 42792

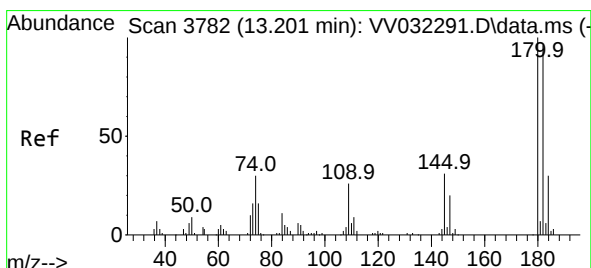
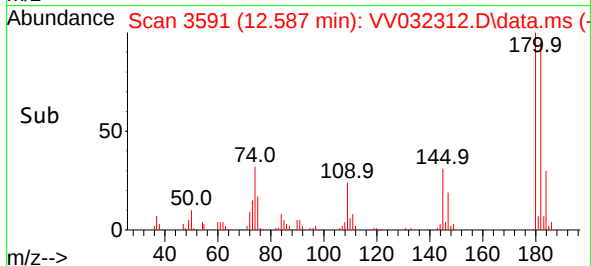
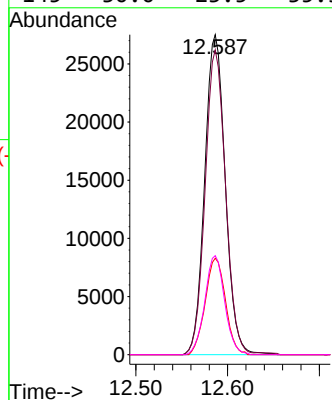
Ion Ratio Lower Upper

180 100

182 94.7 74.6 112.0

184 29.8 24.1 36.1

145 30.0 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 3.887 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

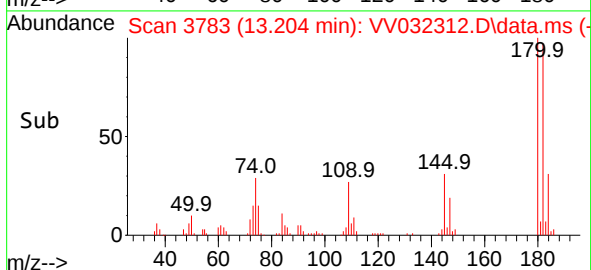
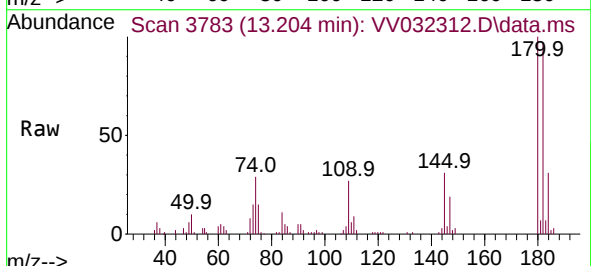
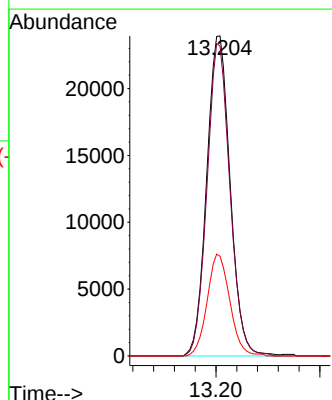
Tgt Ion:180 Resp: 37528

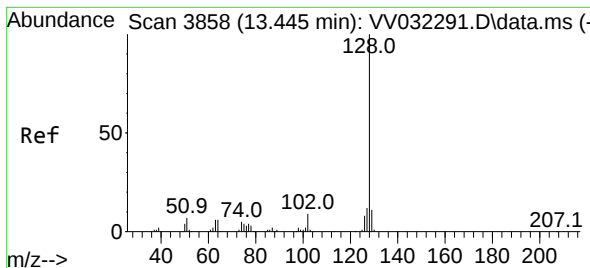
Ion Ratio Lower Upper

180 100

182 95.1 76.5 114.7

145 30.7 24.3 36.5





#71

Naphthalene

Concen: 4.355 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.003 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

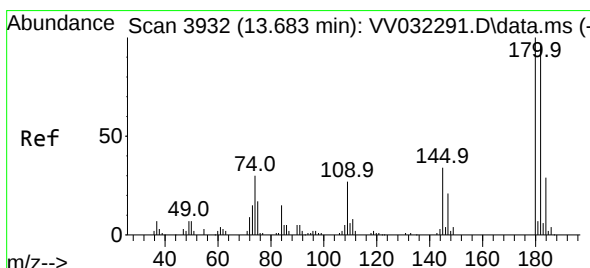
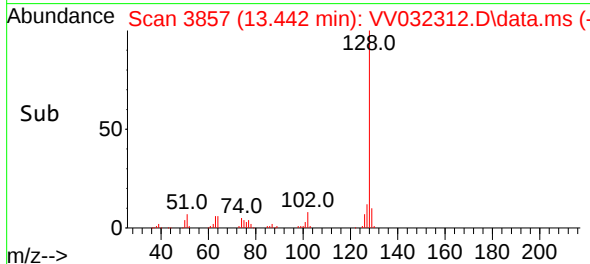
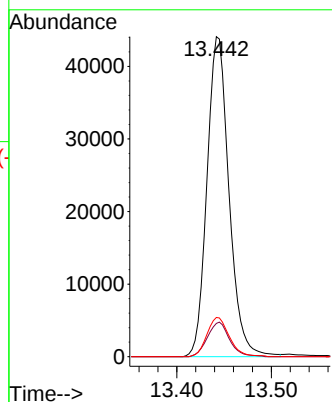
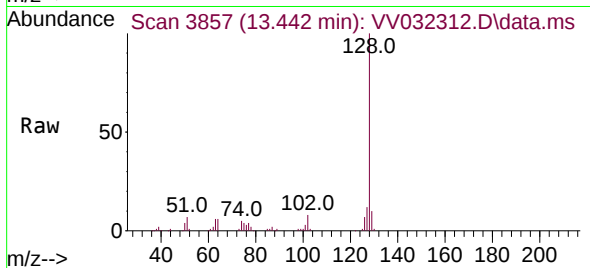
Tgt Ion:128 Resp: 71429

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 12.5 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.259 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032312.D

Acq: 06 Oct 2023 19:34

Tgt Ion:180 Resp: 35428

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.4

145 33.0 25.7 38.5

