

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120921\
 Data File : VW023868.D
 Acq On : 09 Dec 2021 17:54
 Operator : SY/MD
 Sample : M4984-05MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 10 00:43:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	105519	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	102639	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60443	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	28718	3.315	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	66.400%	
7) Chloroethane-d5	1.568	69	26423	3.881	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	77.600%	
11) 1,1-Dichloroethene-d2	2.111	63	61000	3.996	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	80.000%	
20) 2-Butanone-d5	3.896	46	80468	77.274	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	154.540%#	
24) Chloroform-d	4.352	84	73786	4.892	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.800%	
26) 1,2-Dichloroethane-d4	5.034	65	34574	4.906	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	98.200%	
32) Benzene-d6	5.053	84	131352	4.698	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.000%	
36) 1,2-Dichloropropane-d6	6.072	67	38163	4.869	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.400%	
41) Toluene-d8	7.317	98	122266	4.680	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.600%	
43) trans-1,3-Dichloroprop...	7.625	79	15691	4.966	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	99.400%	
46) 2-Hexanone-d5	8.088	63	68128	64.899	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	129.800%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31251	5.540	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	110.800%	
66) 1,2-Dichlorobenzene-d4	11.622	152	55622	5.205	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	104.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	48610	4.855	ug/L	97
3) Chloromethane	1.243	50	42539	4.888	ug/L	100
5) Vinyl chloride	1.311	62	56944	6.230	ug/L	97
6) Bromomethane	1.523	94	28763	5.550	ug/L	99
8) Chloroethane	1.584	64	1626572	280.826	ug/L	96
9) Trichlorofluoromethane	1.754	101	75545	5.072	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	40446	5.419	ug/L	98
12) 1,1-Dichloroethene	2.121	96	37527	5.308	ug/L	91
13) Acetone	2.195	43	53923	57.547	ug/L	85
14) Carbon disulfide	2.298	76	109797	4.620	ug/L	99
15) Methyl Acetate	2.439	43	12830	6.032	ug/L	100
16) Methylene chloride	2.507	84	40513	4.016	ug/L	94
17) Methyl tert-butyl Ether	2.767	73	87554	6.043	ug/L	100
18) trans-1,2-Dichloroethene	2.761	96	51314	6.373	ug/L	98
19) 1,1-Dichloroethane	3.188	63	915379	67.606	ug/L	99
21) 2-Butanone	3.979	43	75700	63.828	ug/L	94
22) cis-1,2-Dichloroethene	3.912	96	81554	10.561	ug/L	98
23) Bromochloromethane	4.256	128	20274	5.594	ug/L #	87
25) Chloroform	4.378	83	79423	5.265	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120921\
 Data File : VW023868.D
 Acq On : 09 Dec 2021 17:54
 Operator : SY/MD
 Sample : M4984-05MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

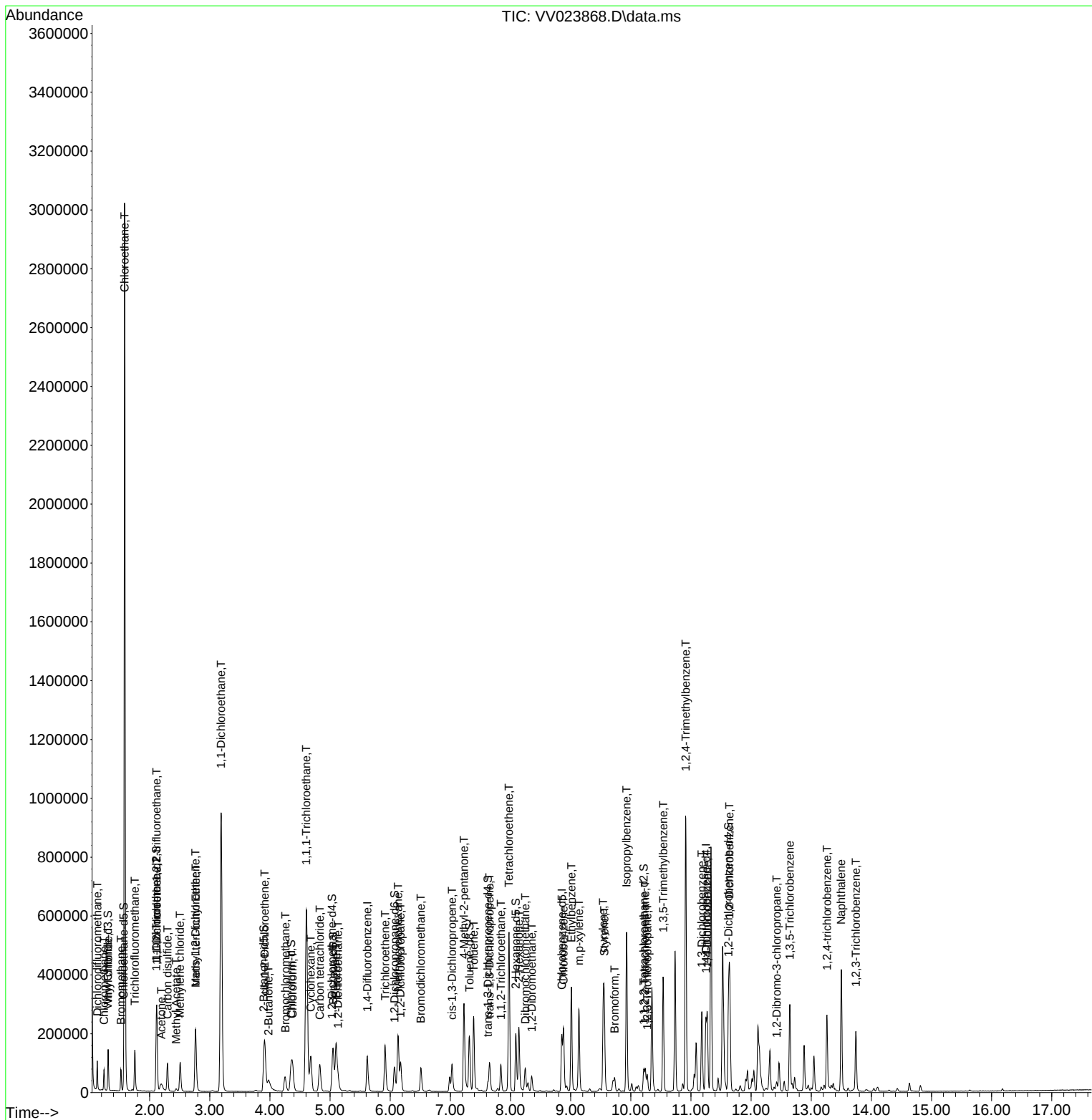
Instrument :
 MSVOA_V
 ClientSampleId :

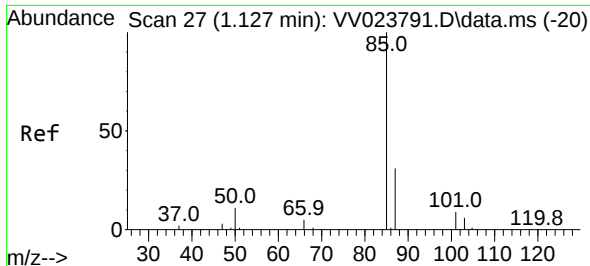
Quant Time: Dec 10 00:43:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	44896	5.599	ug/L	98
29) 1,1,1-Trichloroethane	4.606	97	498279	37.149	ug/L	100
30) Cyclohexane	4.677	56	62247	5.561	ug/L	98
31) Carbon tetrachloride	4.828	117	66816	5.438	ug/L	99
33) Benzene	5.101	78	164647	5.627	ug/L	100
34) Trichloroethene	5.915	95	52383	6.683	ug/L	98
35) Methylcyclohexane	6.130	83	79756	6.526	ug/L	98
37) 1,2-Dichloropropane	6.172	63	37937	5.454	ug/L	99
38) Bromodichloromethane	6.510	83	52569	5.569	ug/L	96
39) cis-1,3-Dichloropropene	7.027	75	56059	5.663	ug/L	98
40) 4-Methyl-2-pentanone	7.227	43	189785	57.159	ug/L	97
42) Toluene	7.388	91	181837	5.730	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	46644	5.607	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	26476	5.497	ug/L	98
47) Tetrachloroethene	7.976	164	121469	17.025	ug/L	98
48) 2-Hexanone	8.140	43	133900	54.562	ug/L	97
49) Dibromochloromethane	8.246	129	36501	5.531	ug/L	97
50) 1,2-Dibromoethane	8.352	107	25564	5.443	ug/L	94
51) Chlorobenzene	8.883	112	117211	5.571	ug/L	99
52) Ethylbenzene	9.011	91	243780	7.349	ug/L	98
53) m,p-xylene	9.140	106	78086	5.915	ug/L	99
54) o-xylene	9.542	106	73392	5.846	ug/L	97
55) Styrene	9.561	104	125865	5.950	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	30400	5.673	ug/L	94
59) Bromoform	9.731	173	20414	5.114	ug/L	97
60) Isopropylbenzene	9.931	105	341475	9.462	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	21687	5.059	ug/L	97
62) 1,3,5-Trimethylbenzene	10.539	105	199100	6.630	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	499403	16.816	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	104003	5.636	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	103133	5.561	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	127646	7.559	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	5786	6.797	ug/L	93
69) 1,3,5-Trichlorobenzene	12.645	180	88499	6.143	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	71975	6.439	ug/L	98
71) Naphthalene	13.500	128	315450	20.970	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	61557	6.355	ug/L	98

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

Quant Time: Dec 10 00:43:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

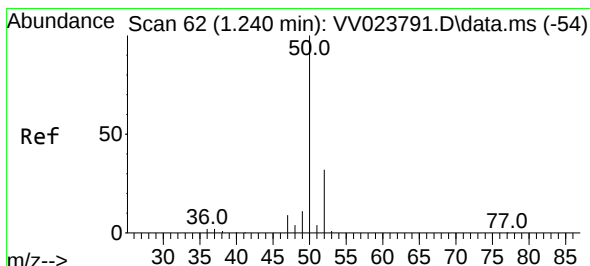
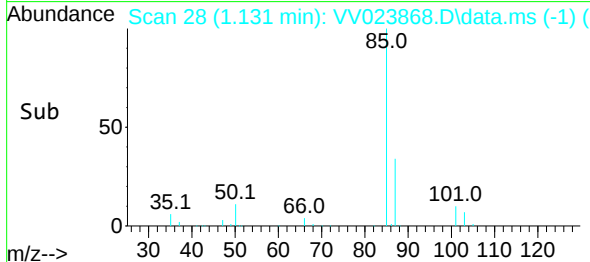
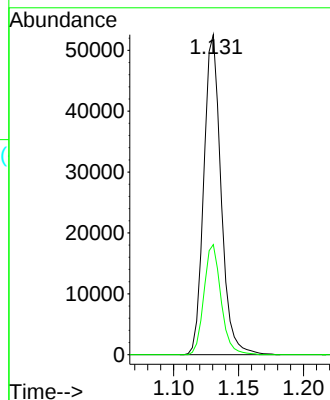
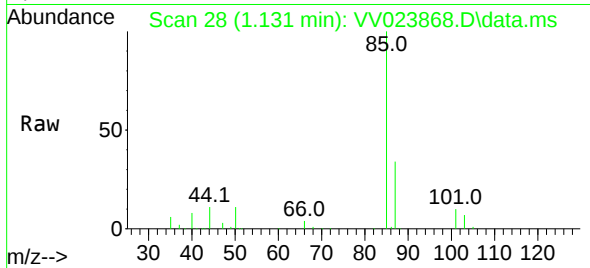




#2
 Dichlorodifluoromethane
 Concen: 4.855 ug/L
 RT: 1.131 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

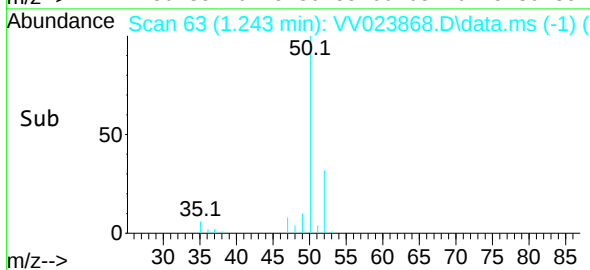
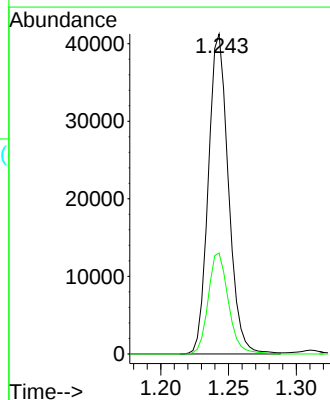
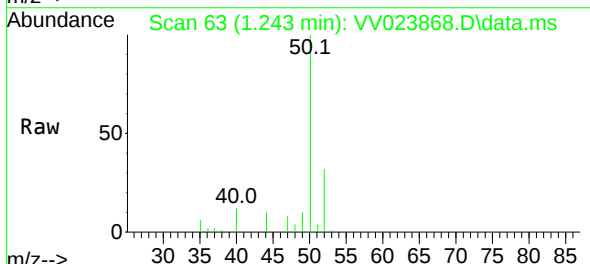
Instrument :
 MSVOA_V
 ClientSampleId :

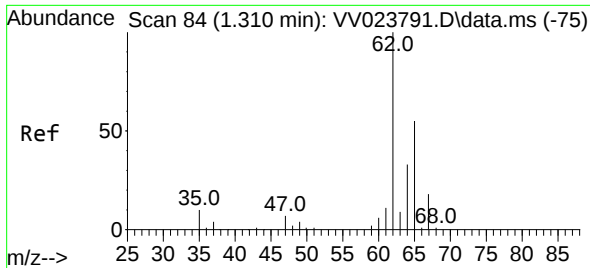
Tgt Ion: 85 Resp: 48610
 Ion Ratio Lower Upper
 85 100
 87 34.0 26.0 39.0



#3
 Chloromethane
 Concen: 4.888 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

Tgt Ion: 50 Resp: 42539
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.0 41.0

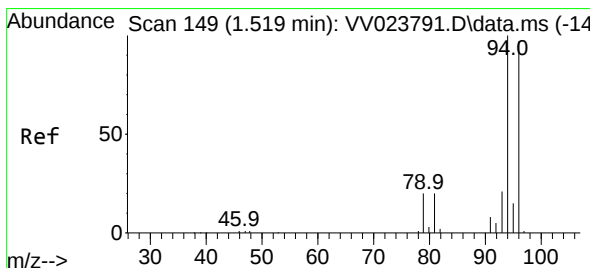
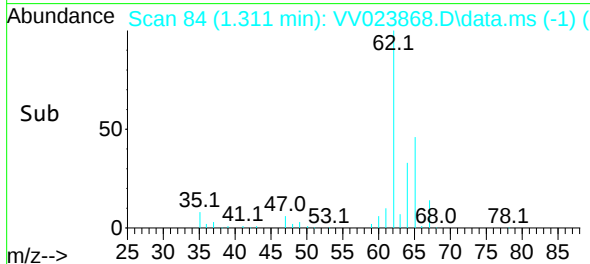
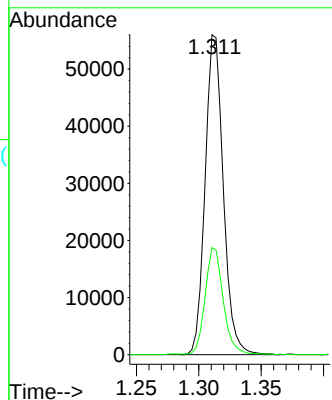
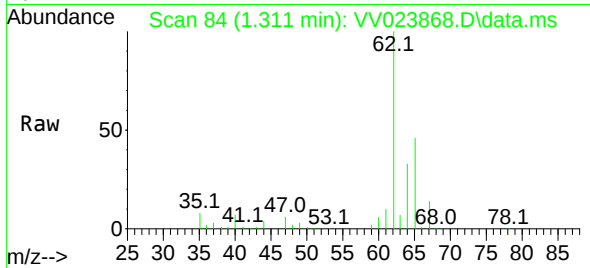




#5
 Vinyl chloride
 Concen: 6.230 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

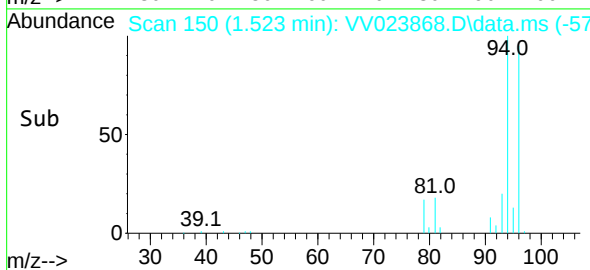
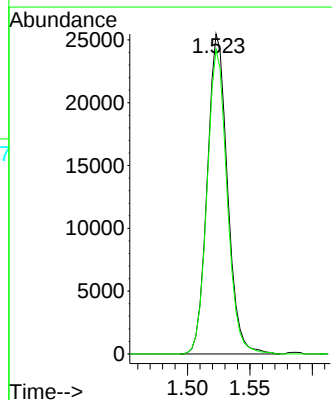
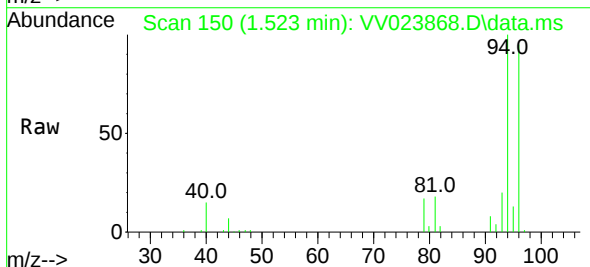
Instrument :
 MSVOA_V
 ClientSampleId :

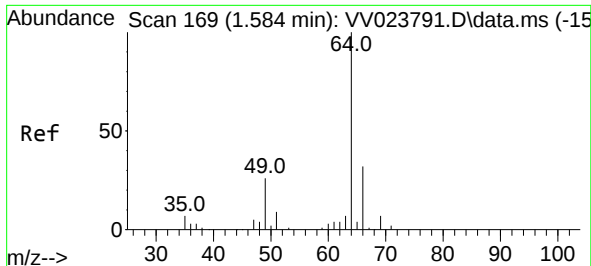
Tgt Ion: 62 Resp: 56944
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.4 41.6



#6
 Bromomethane
 Concen: 5.550 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

Tgt Ion: 94 Resp: 28763
 Ion Ratio Lower Upper
 94 100
 96 95.2 66.2 123.0

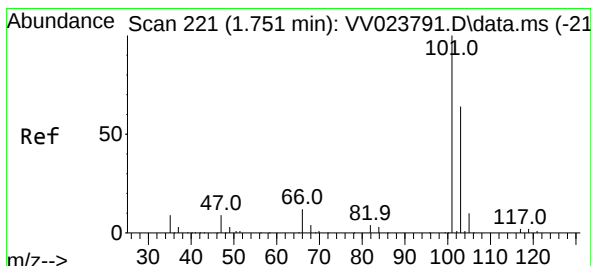
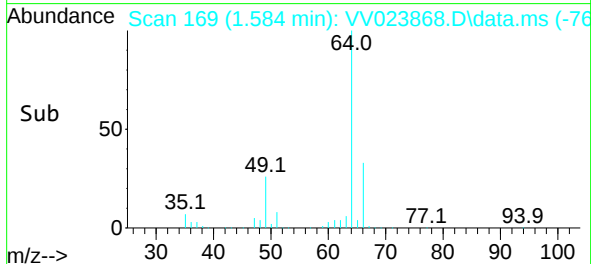
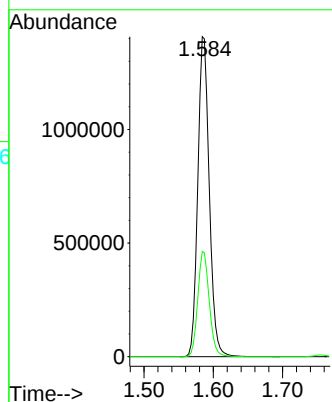
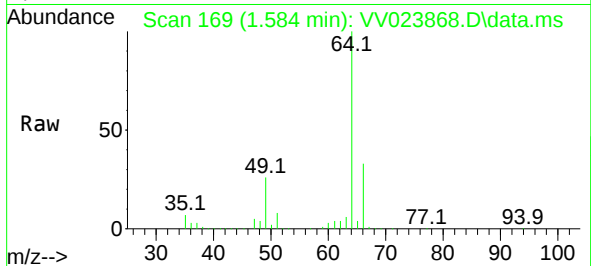




#8
Chloroethane
Concen: 280.826 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

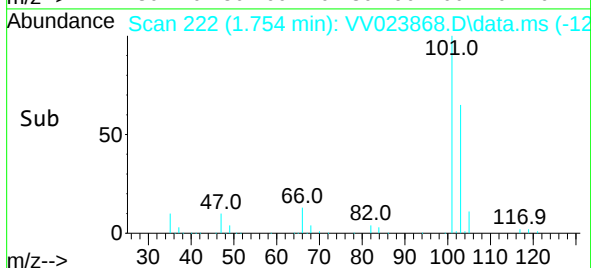
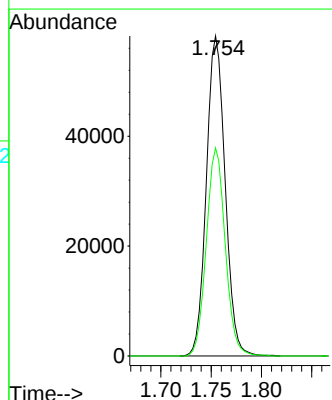
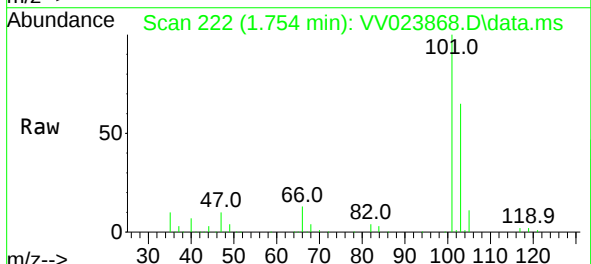
Instrument :
MSVOA_V
ClientSampleId :

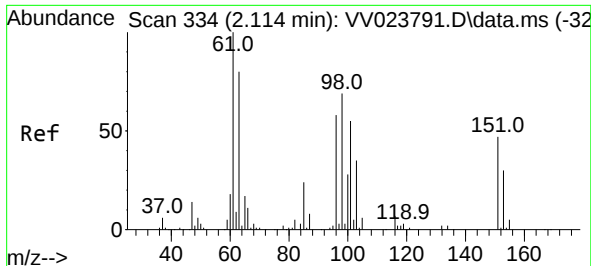
Tgt Ion: 64 Resp: 1626572
Ion Ratio Lower Upper
64 100
66 32.9 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.072 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Tgt Ion:101 Resp: 75545
Ion Ratio Lower Upper
101 100
103 65.6 51.6 77.4

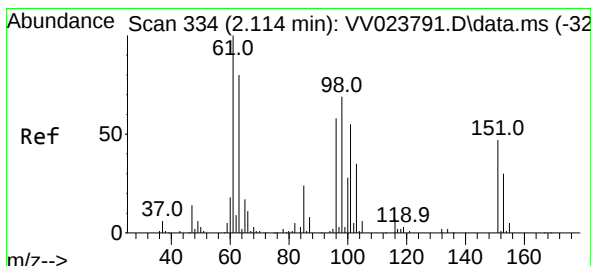
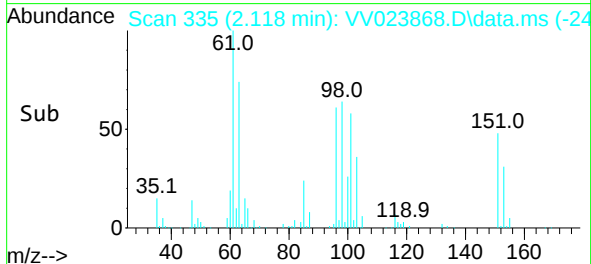
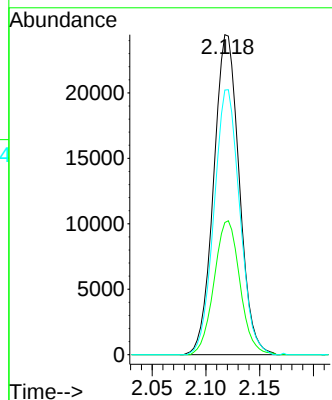
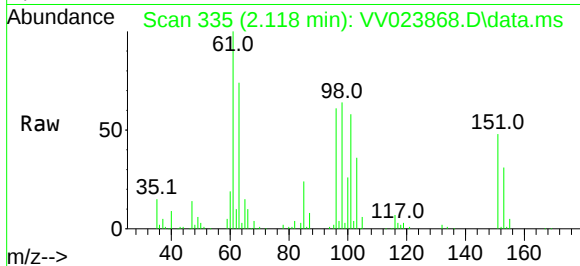




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.419 ug/L
 RT: 2.118 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

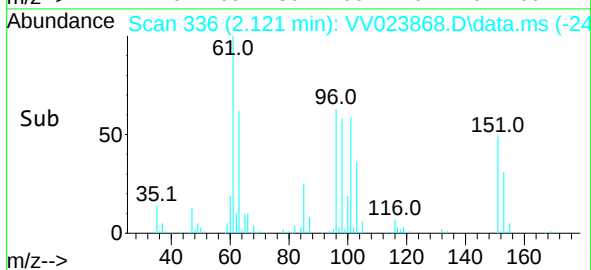
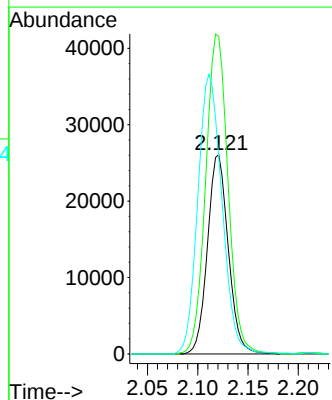
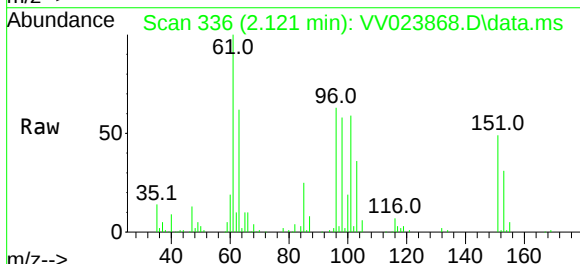
Instrument :
 MSVOA_V
 ClientSampleId :

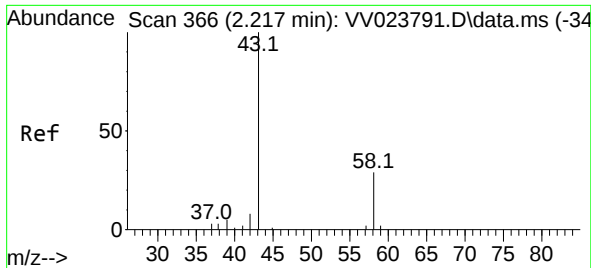
Tgt Ion:101 Resp: 40446
 Ion Ratio Lower Upper
 101 100
 85 42.3 36.0 54.0
 151 83.4 66.4 99.6



#12
 1,1-Dichloroethene
 Concen: 5.308 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

Tgt Ion: 96 Resp: 37527
 Ion Ratio Lower Upper
 96 100
 61 159.2 116.1 215.5
 63 98.4 79.4 147.4





#13

Acetone

Concen: 57.547 ug/L

RT: 2.195 min Scan# 31

Delta R.T. -0.029 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

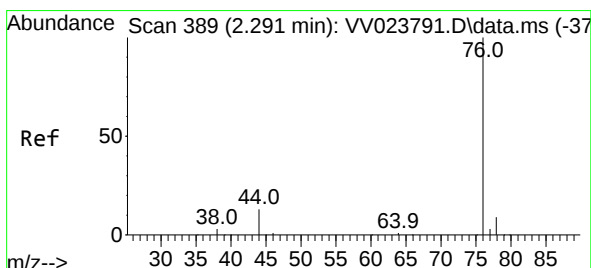
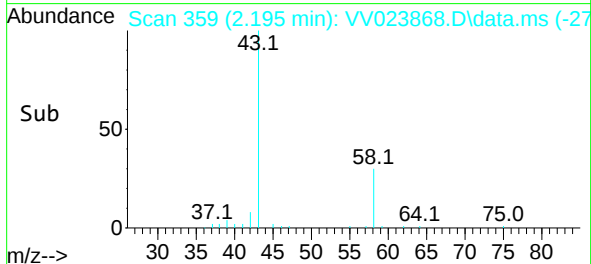
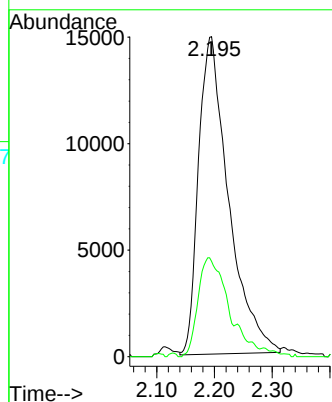
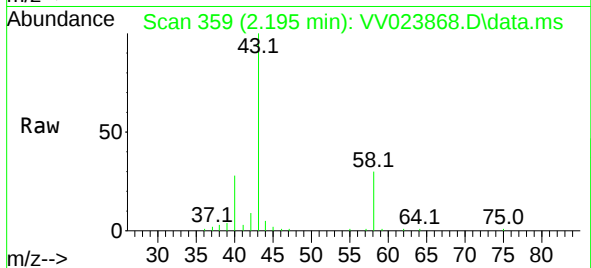
ClientSampleId :

Tgt Ion: 43 Resp: 53923

Ion Ratio Lower Upper

43 100

58 27.5 0.0 41.4



#14

Carbon disulfide

Concen: 4.620 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023868.D

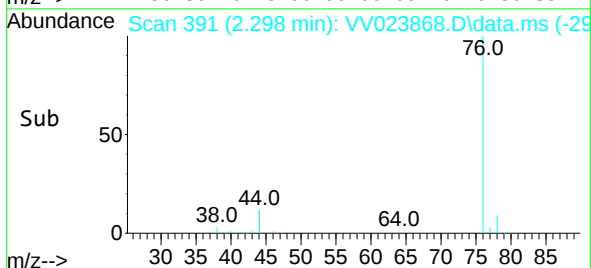
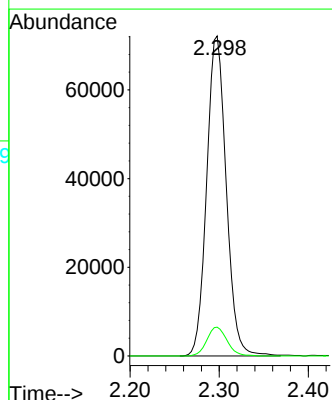
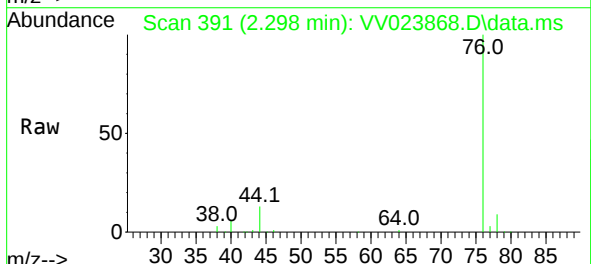
Acq: 09 Dec 2021 17:54

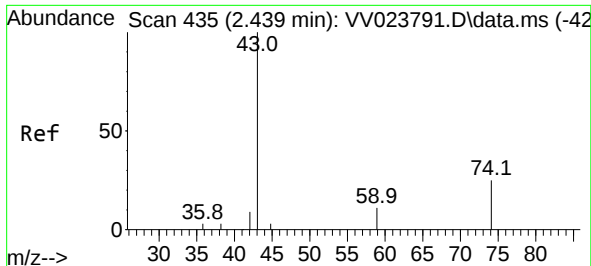
Tgt Ion: 76 Resp: 109797

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

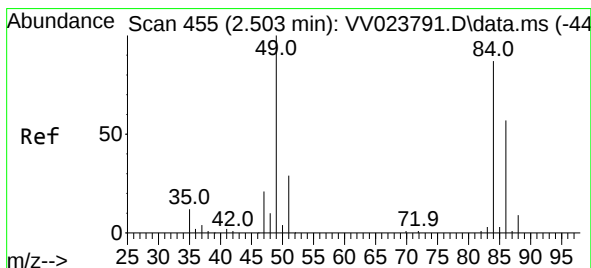
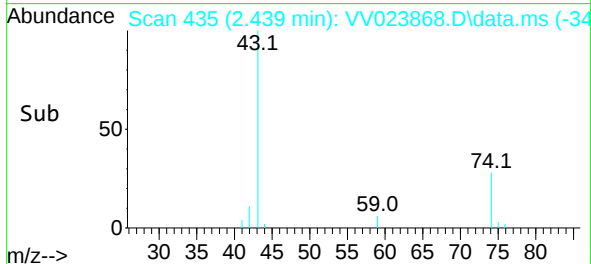
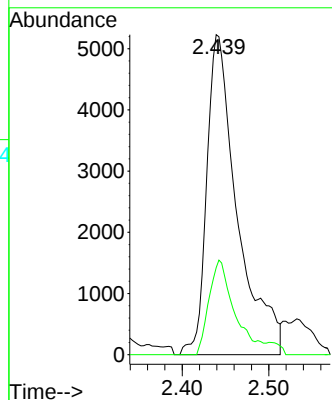
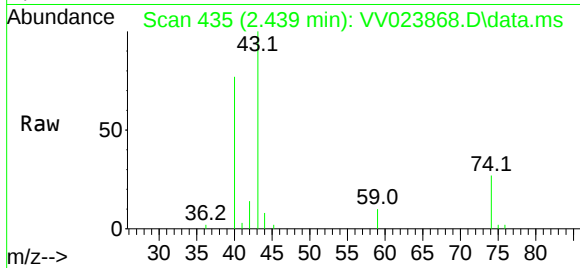




#15
Methyl Acetate
Concen: 6.032 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

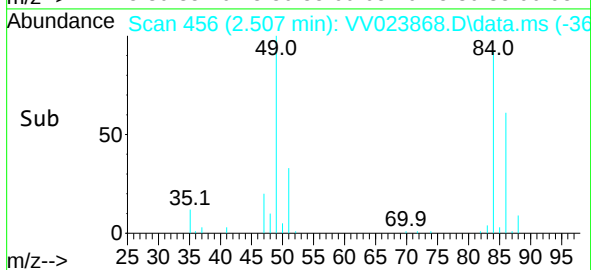
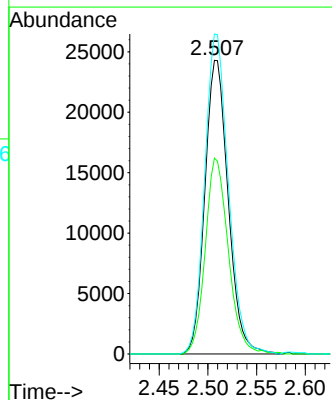
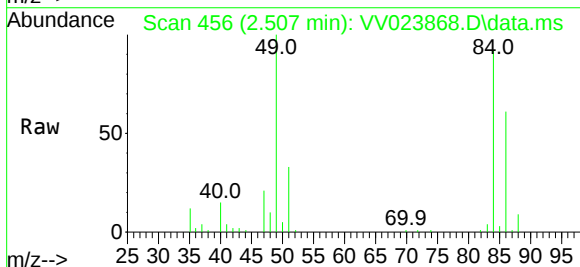
Instrument :
MSVOA_V
ClientSampleId :

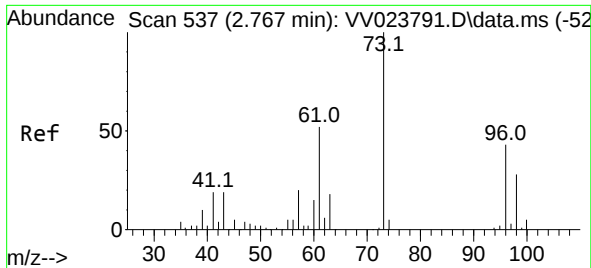
Tgt Ion: 43 Resp: 12830
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.2



#16
Methylene chloride
Concen: 4.016 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

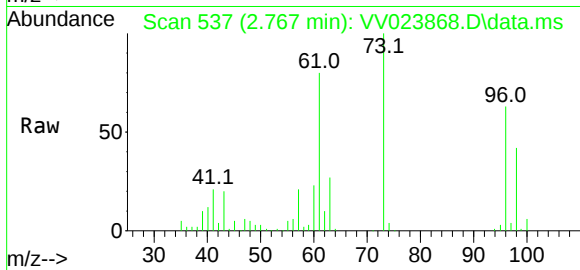
Tgt Ion: 84 Resp: 40513
Ion Ratio Lower Upper
84 100
86 66.7 42.6 79.0
49 109.0 79.7 147.9



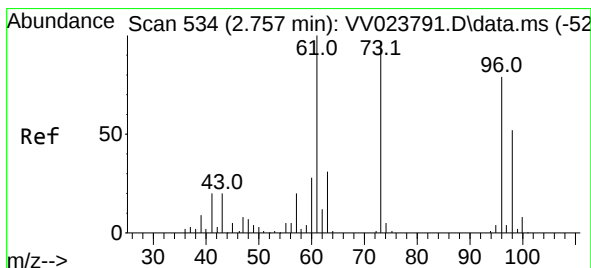
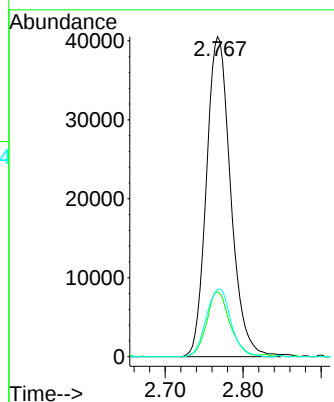
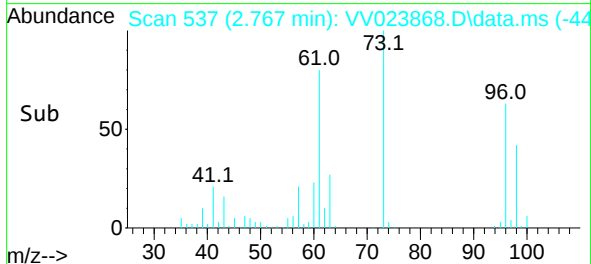


#17
Methyl tert-butyl Ether
Concen: 6.043 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

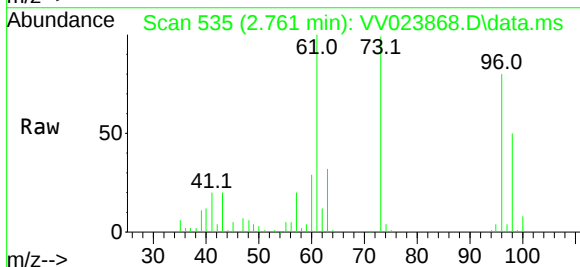
Instrument :
MSVOA_V
ClientSampleId :



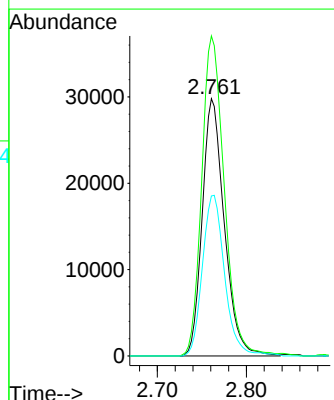
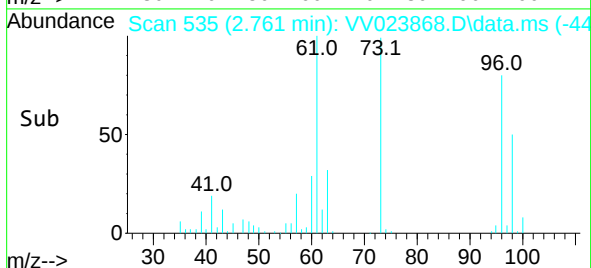
Tgt Ion: 73 Resp: 87554
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3
57 21.7 17.1 25.7

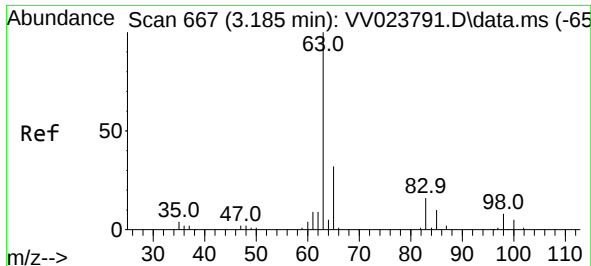


#18
trans-1,2-Dichloroethene
Concen: 6.373 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54



Tgt Ion: 96 Resp: 51314
Ion Ratio Lower Upper
96 100
61 124.4 88.2 163.8
98 62.2 44.9 83.5





#19

1,1-Dichloroethane

Concen: 67.606 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

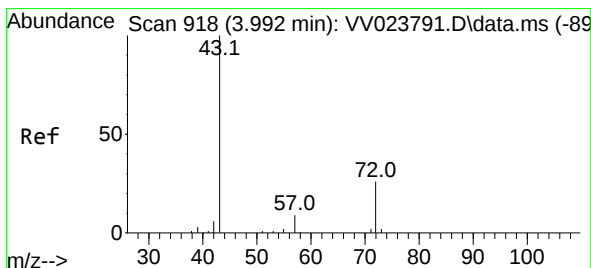
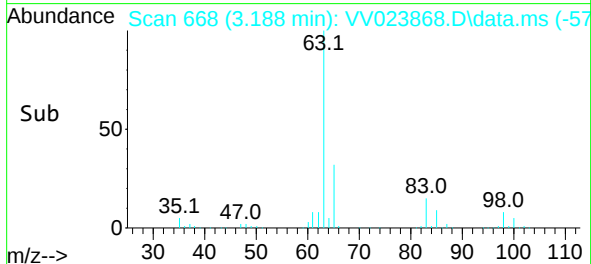
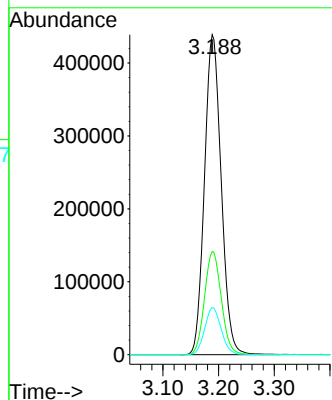
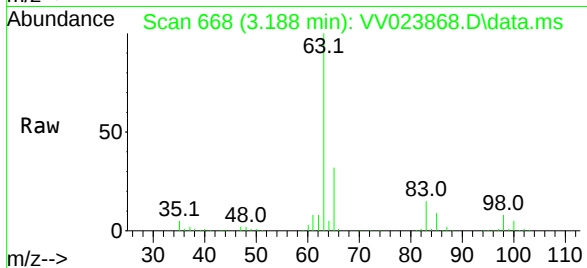
Tgt Ion: 63 Resp: 915379

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.3

83 14.8 10.7 19.9



#21

2-Butanone

Concen: 63.828 ug/L

RT: 3.979 min Scan# 914

Delta R.T. -0.022 min

Lab File: VV023868.D

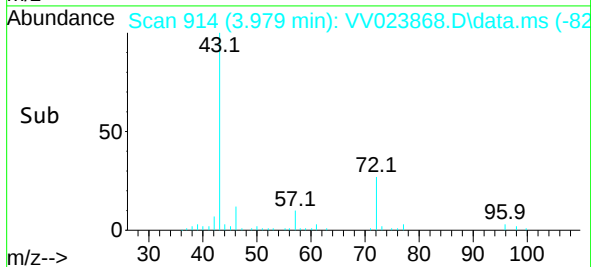
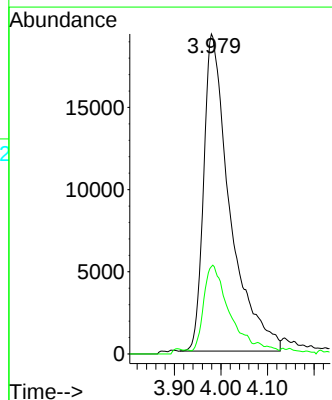
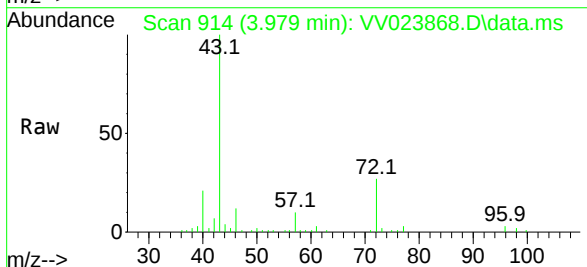
Acq: 09 Dec 2021 17:54

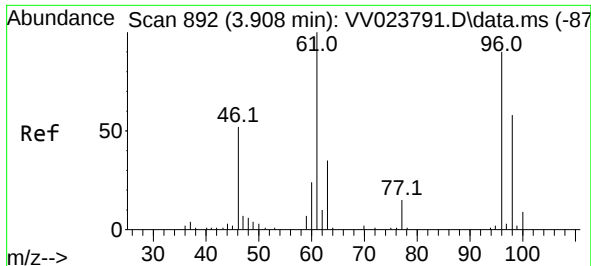
Tgt Ion: 43 Resp: 75700

Ion Ratio Lower Upper

43 100

72 25.0 11.1 33.1





#22

cis-1,2-Dichloroethene

Concen: 10.561 ug/L

RT: 3.912 min Scan# 81

Delta R.T. 0.003 min

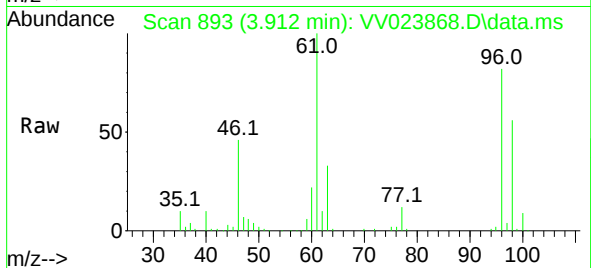
Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :



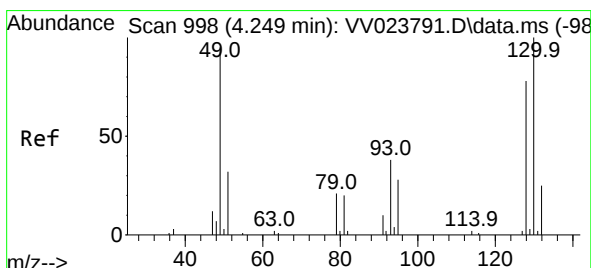
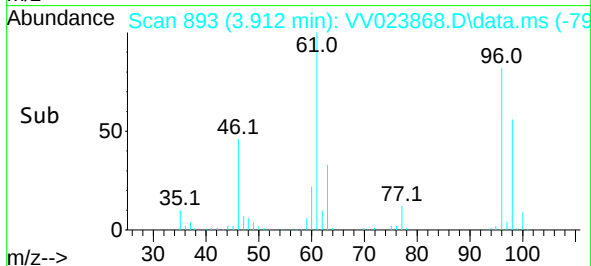
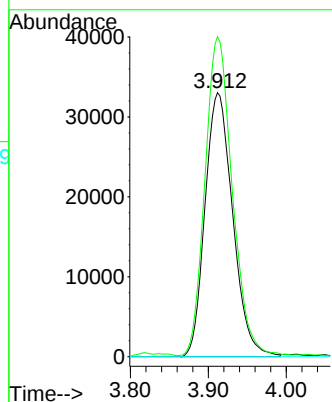
Tgt Ion: 96 Resp: 81554

Ion Ratio Lower Upper

96 100

61 121.2 83.4 154.8

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.594 ug/L

RT: 4.256 min Scan# 1000

Delta R.T. 0.010 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Tgt Ion: 128 Resp: 20274

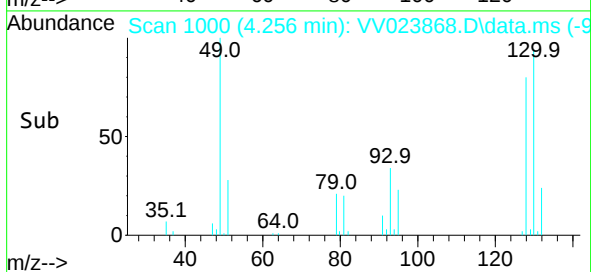
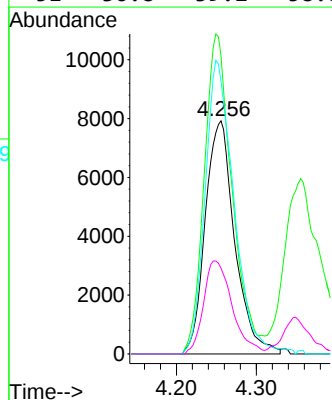
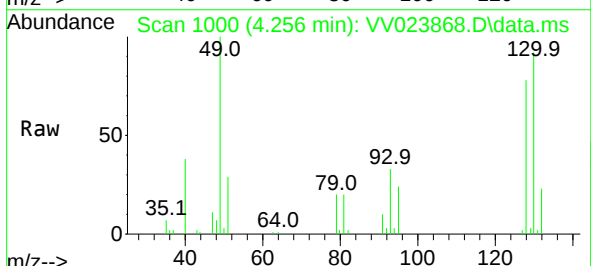
Ion Ratio Lower Upper

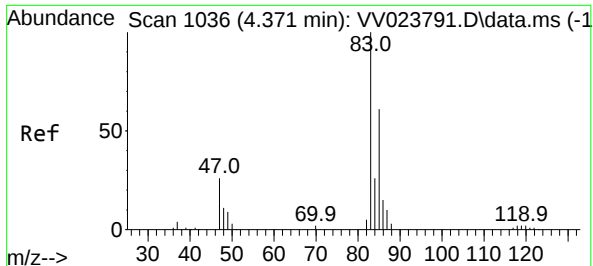
128 100

49 127.9 100.2 186.2

130 117.0 92.5 171.7

51 36.8 39.2 58.8





#25

Chloroform

Concen: 5.265 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

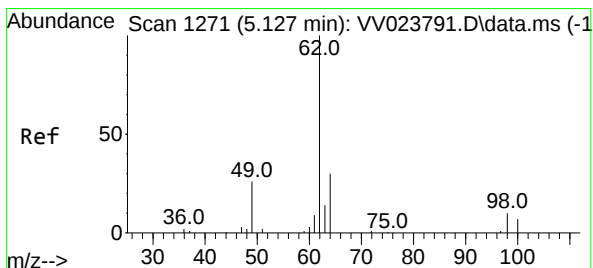
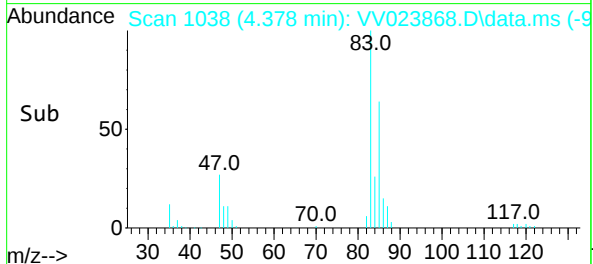
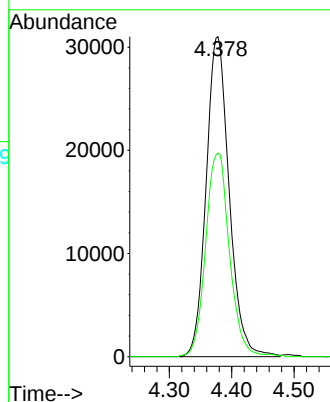
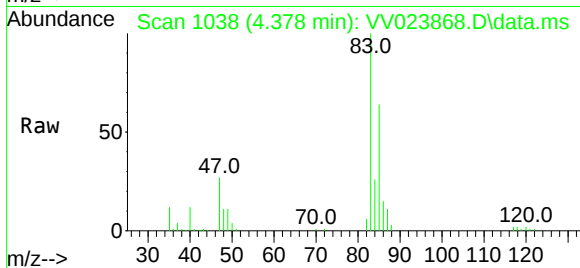
ClientSampleId :

Tgt Ion: 83 Resp: 79423

Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.599 ug/L

RT: 5.134 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VV023868.D

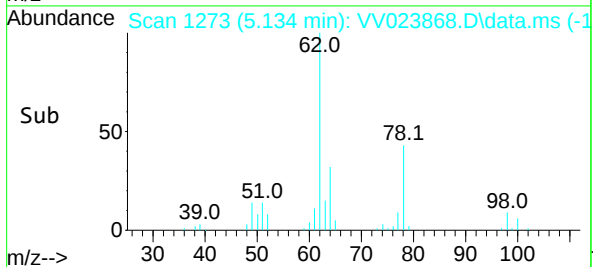
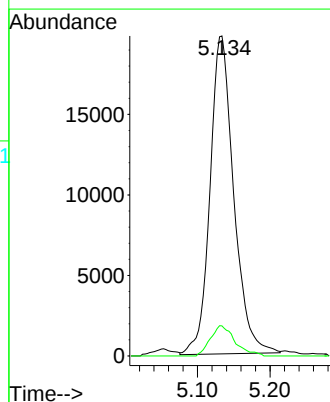
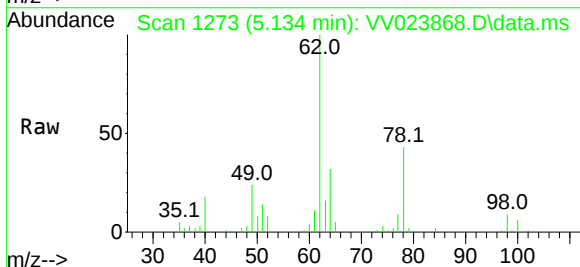
Acq: 09 Dec 2021 17:54

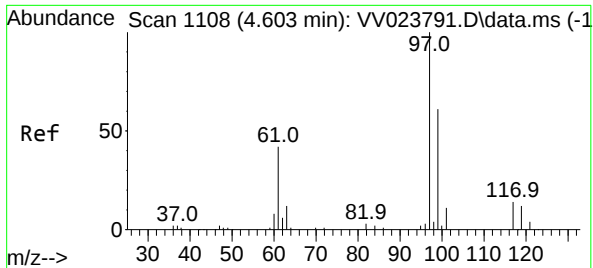
Tgt Ion: 62 Resp: 44896

Ion Ratio Lower Upper

62 100

98 9.4 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 37.149 ug/L

RT: 4.606 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

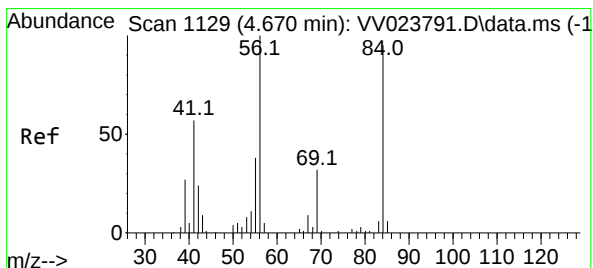
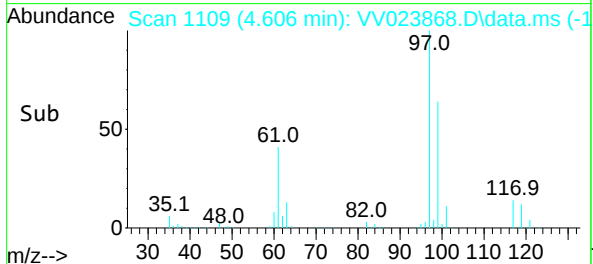
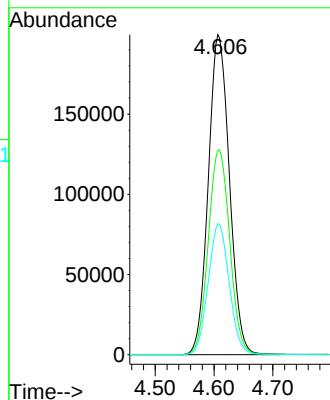
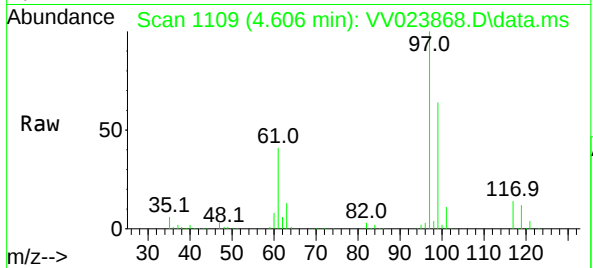
Tgt Ion: 97 Resp: 498279

Ion Ratio Lower Upper

97 100

99 65.0 51.9 77.9

61 40.9 33.2 49.8



#30

Cyclohexane

Concen: 5.561 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

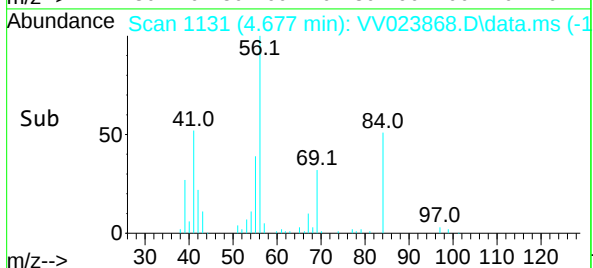
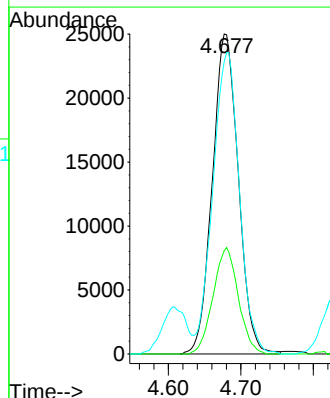
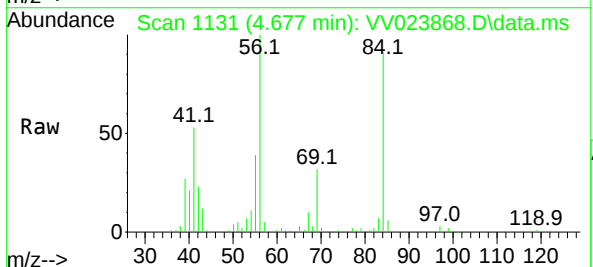
Tgt Ion: 56 Resp: 62247

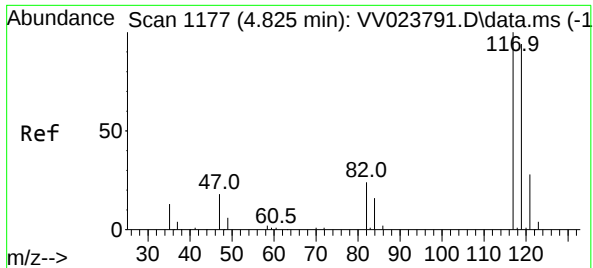
Ion Ratio Lower Upper

56 100

69 32.2 24.8 37.2

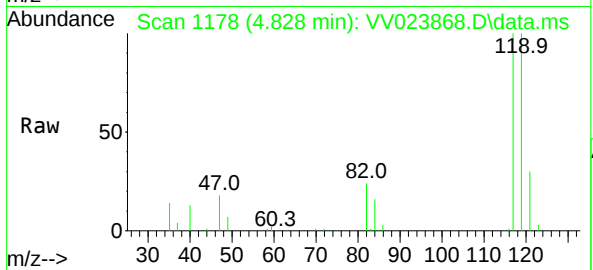
84 96.2 75.9 113.9



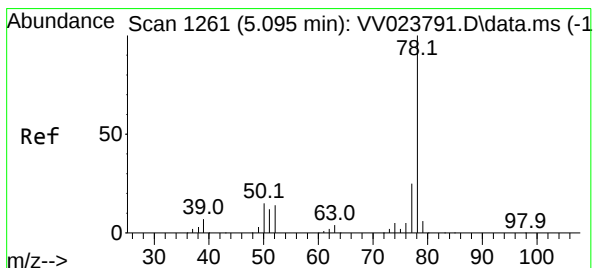
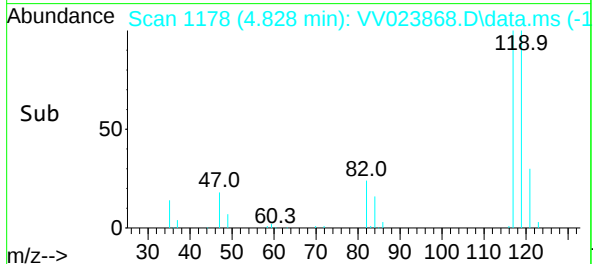
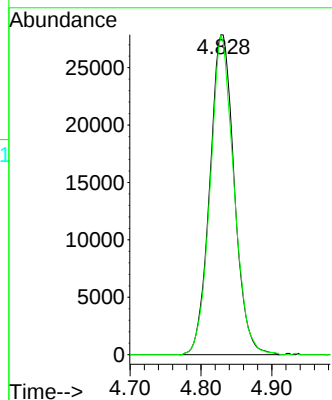


#31
Carbon tetrachloride
Concen: 5.438 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Instrument :
MSVOA_V
ClientSampleId :

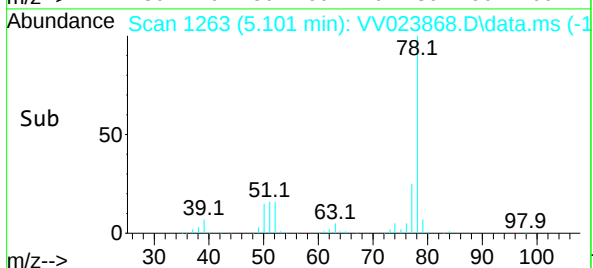
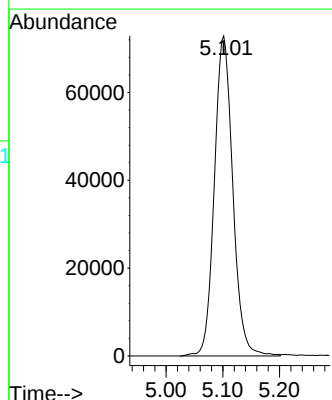
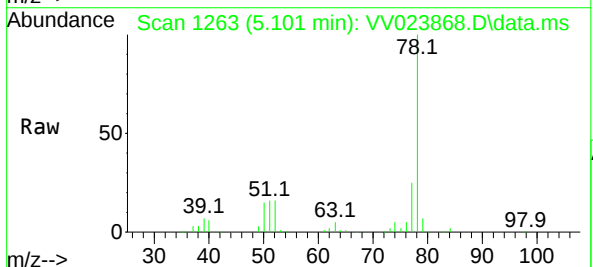


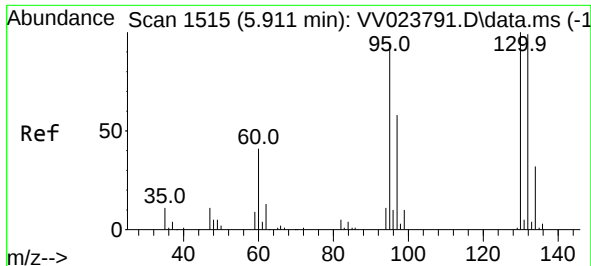
Tgt Ion:117 Resp: 66816
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8



#33
Benzene
Concen: 5.627 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

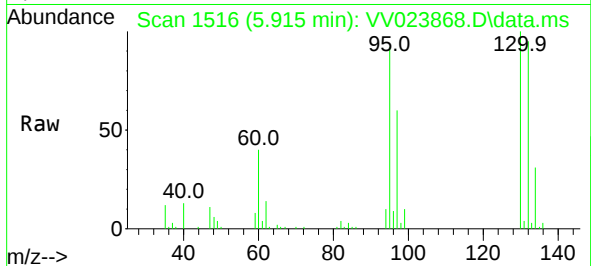
Tgt Ion: 78 Resp: 164647



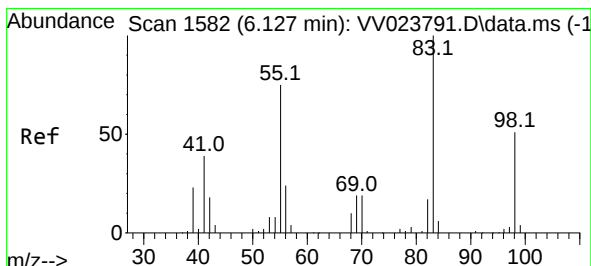
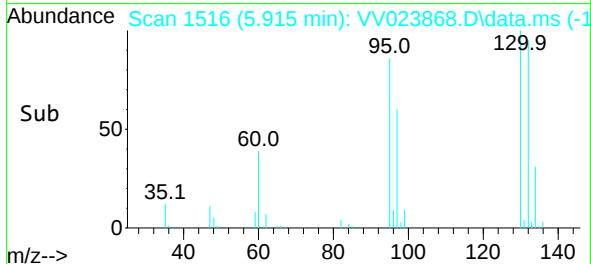
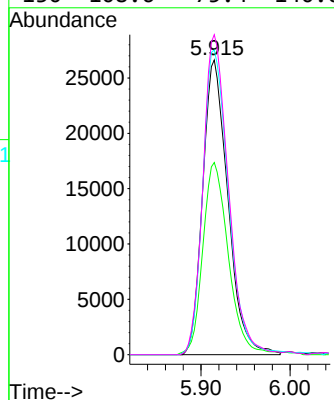


#34
Trichloroethene
Concen: 6.683 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Instrument :
MSVOA_V
ClientSampleId :

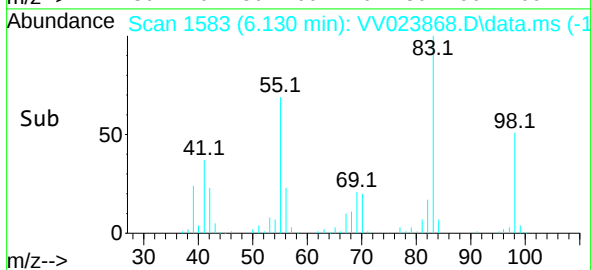
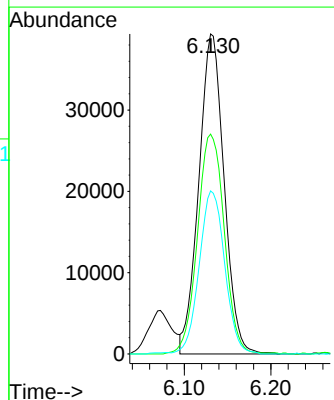
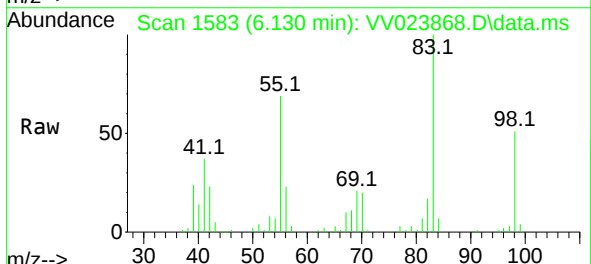


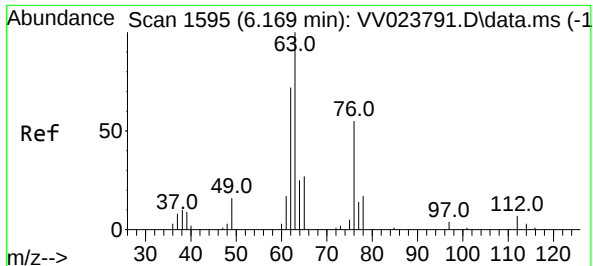
Tgt Ion: 95 Resp: 52383
Ion Ratio Lower Upper
95 100
97 65.2 45.2 84.0
132 103.4 76.1 141.3
130 108.6 75.4 140.0



#35
Methylcyclohexane
Concen: 6.526 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Tgt Ion: 83 Resp: 79756
Ion Ratio Lower Upper
83 100
55 72.9 60.2 90.2
98 51.5 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.454 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

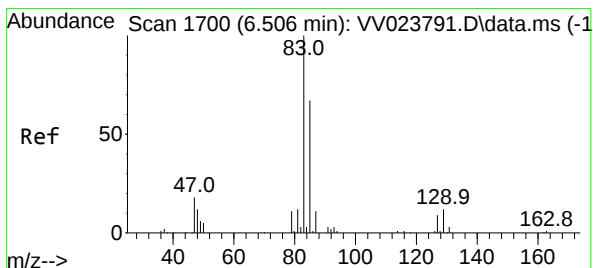
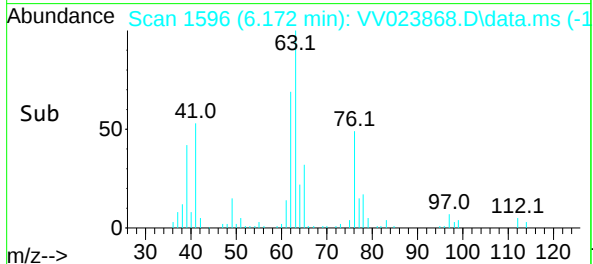
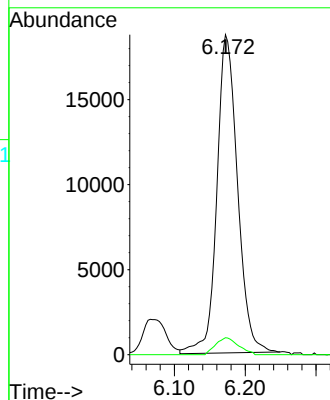
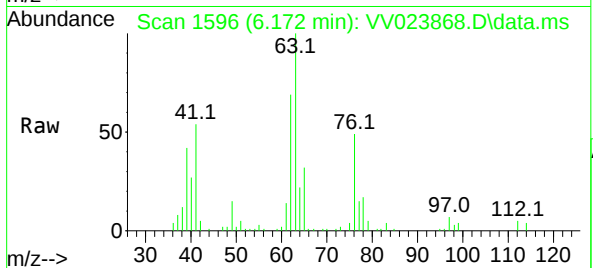
ClientSampleId :

Tgt Ion: 63 Resp: 37937

Ion Ratio Lower Upper

63 100

112 5.9 4.3 6.5



#38

Bromodichloromethane

Concen: 5.569 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

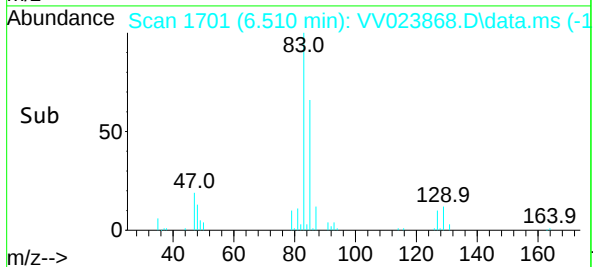
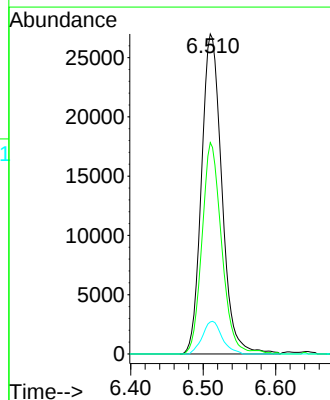
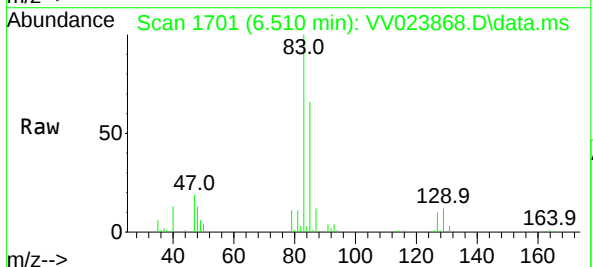
Tgt Ion: 83 Resp: 52569

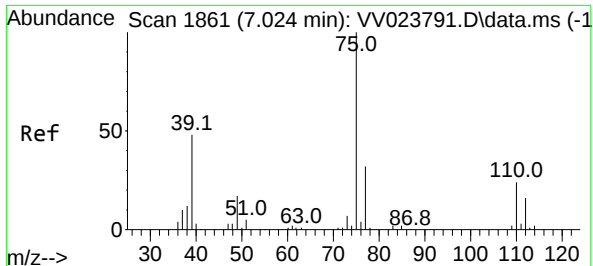
Ion Ratio Lower Upper

83 100

85 66.1 44.0 81.8

127 10.0 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 5.663 ug/L

RT: 7.027 min Scan# 1861

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

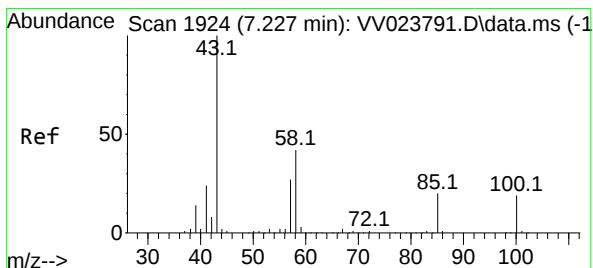
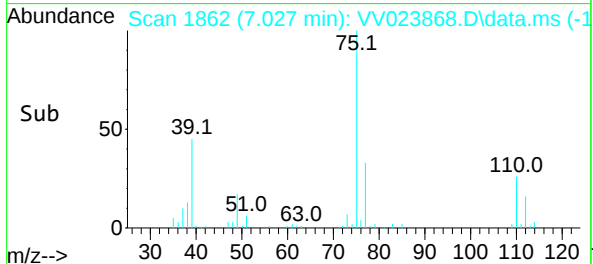
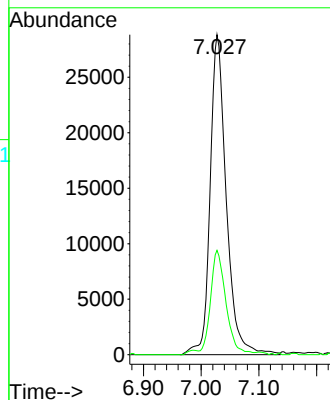
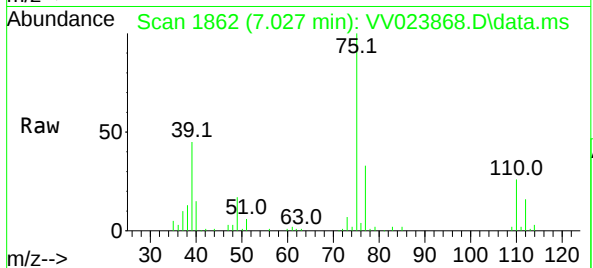
ClientSampleId :

Tgt Ion: 75 Resp: 56059

Ion Ratio Lower Upper

75 100

77 32.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 57.159 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

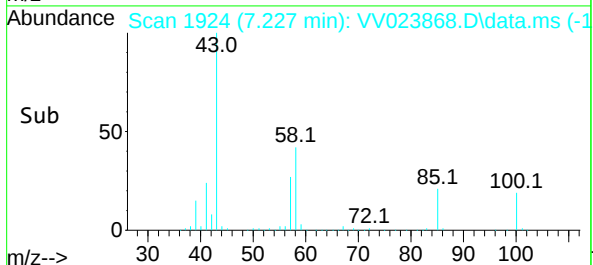
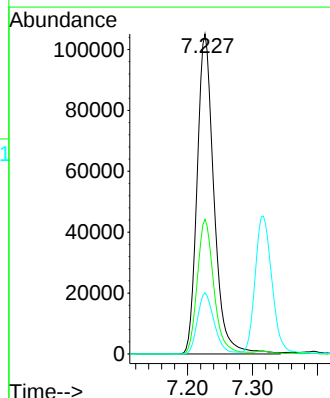
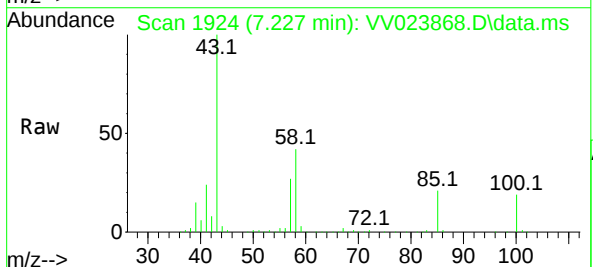
Tgt Ion: 43 Resp: 189785

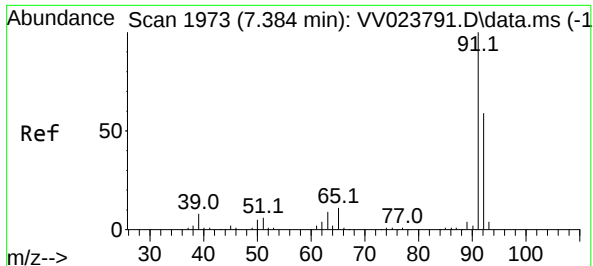
Ion Ratio Lower Upper

43 100

58 41.4 32.3 48.5

100 19.0 13.0 19.6





#42

Toluene

Concen: 5.730 ug/L

RT: 7.388 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

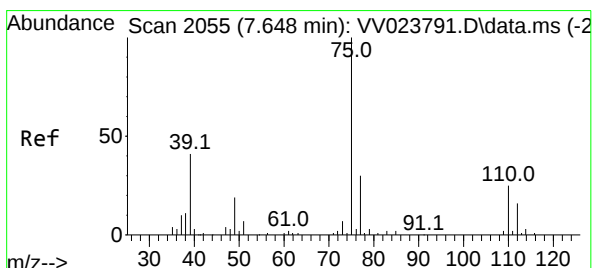
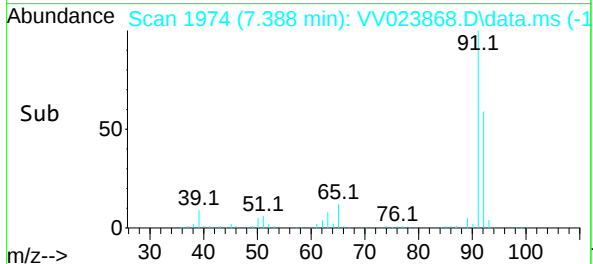
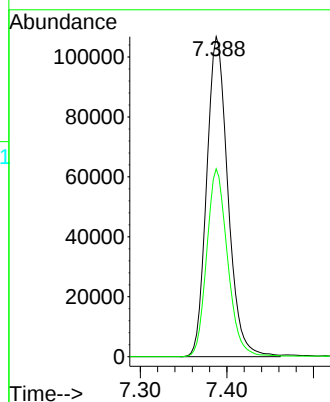
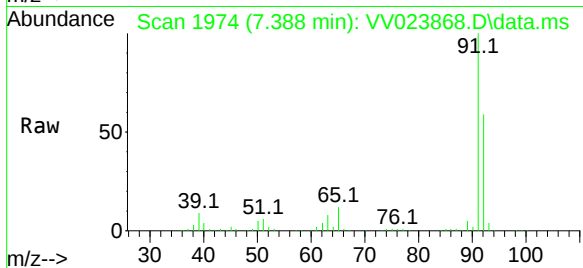
ClientSampleId :

Tgt Ion: 91 Resp: 181837

Ion Ratio Lower Upper

91 100

92 58.7 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.607 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV023868.D

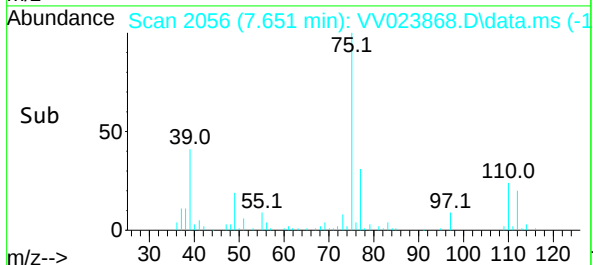
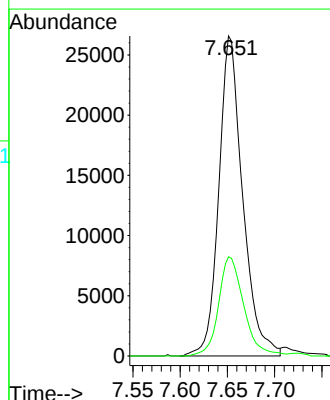
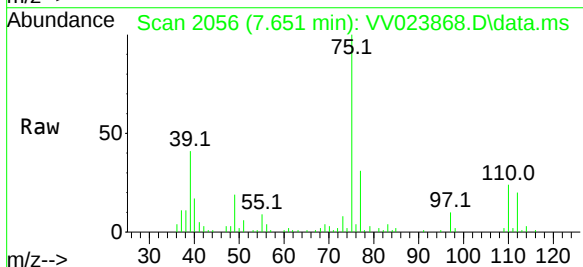
Acq: 09 Dec 2021 17:54

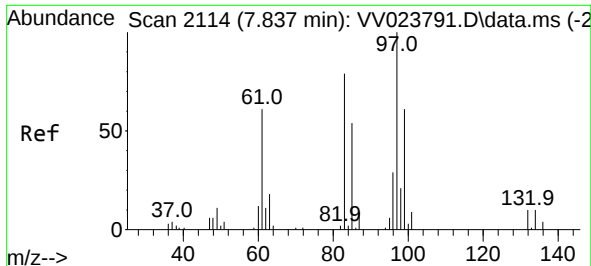
Tgt Ion: 75 Resp: 46644

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.497 ug/L

RT: 7.841 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 26476

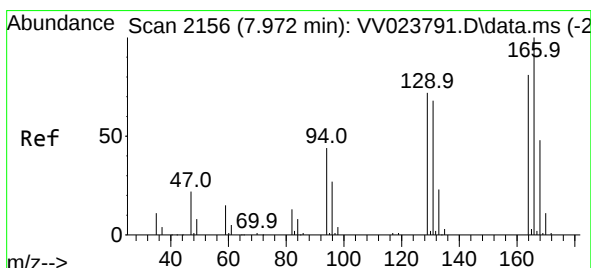
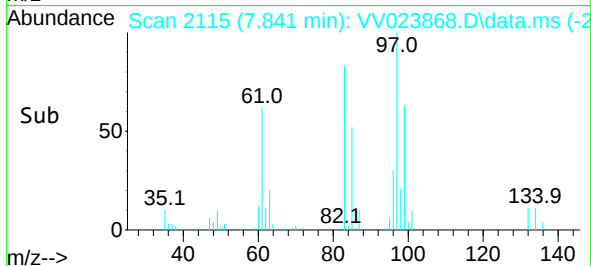
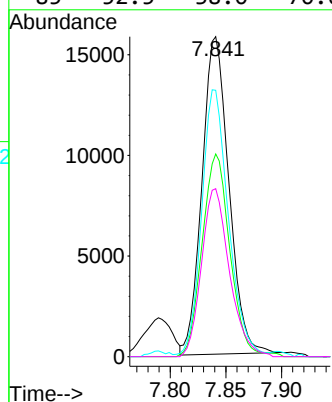
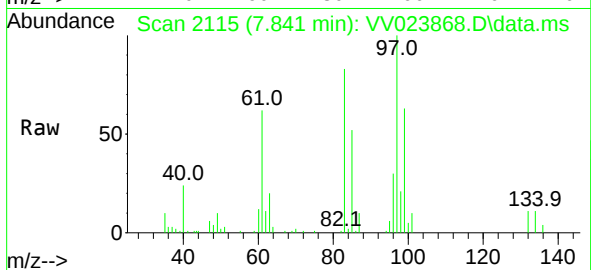
Ion Ratio Lower Upper

97 100

99 63.3 43.1 80.1

83 83.2 57.9 107.5

85 52.5 38.0 70.6



#47

Tetrachloroethene

Concen: 17.025 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Tgt Ion: 164 Resp: 121469

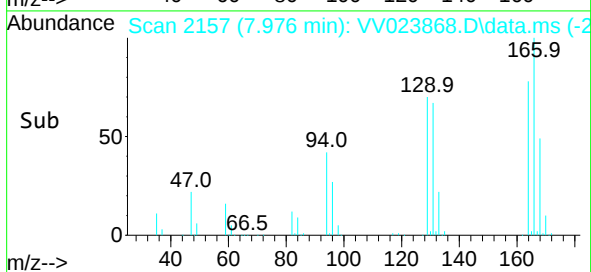
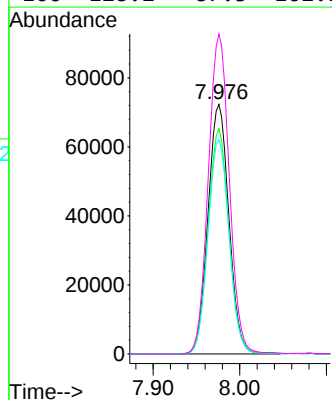
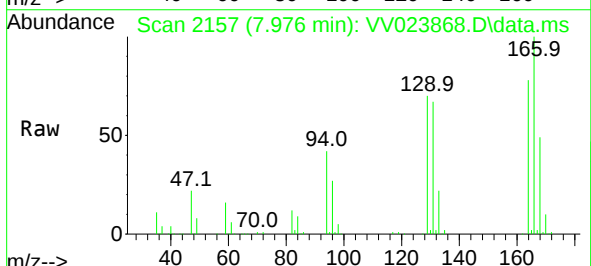
Ion Ratio Lower Upper

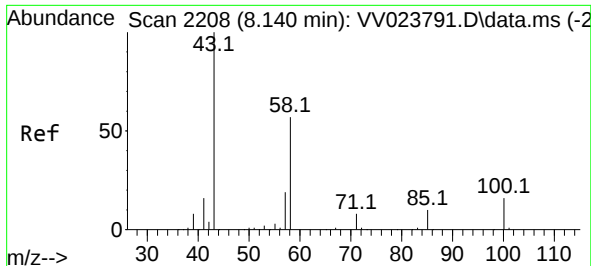
164 100

129 90.3 62.6 116.2

131 85.9 61.0 113.4

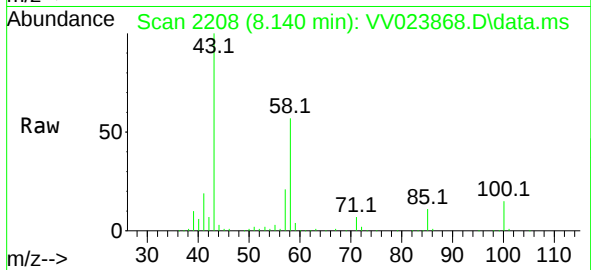
166 128.2 87.3 162.1



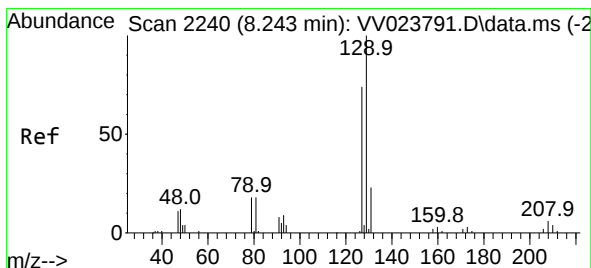
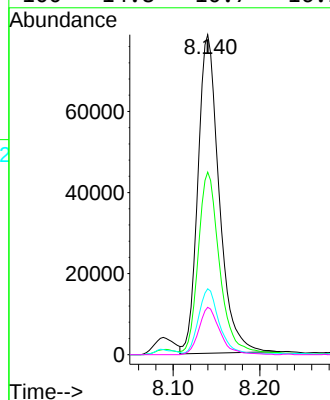
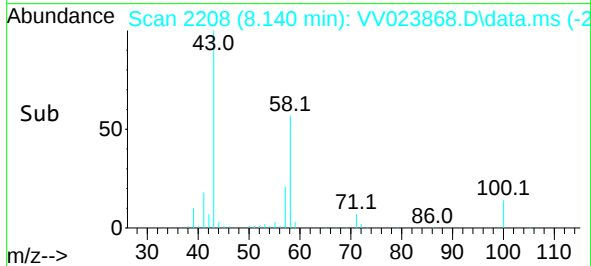


#48
2-Hexanone
Concen: 54.562 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Instrument :
MSVOA_V
ClientSampleId :

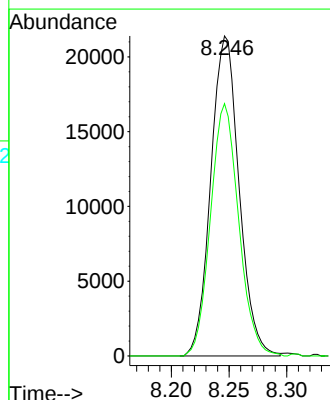
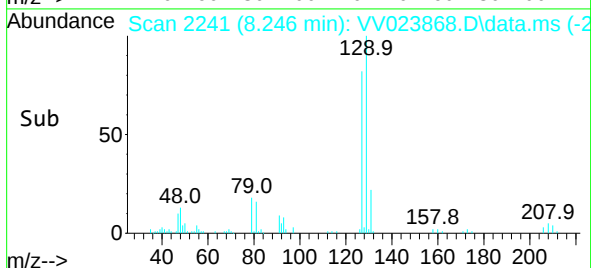
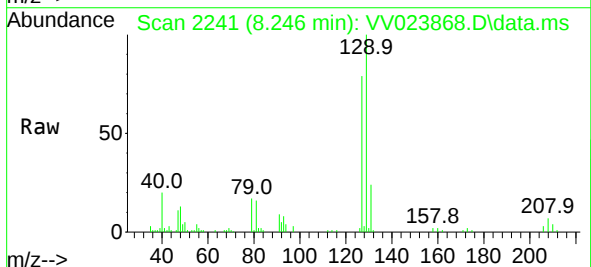


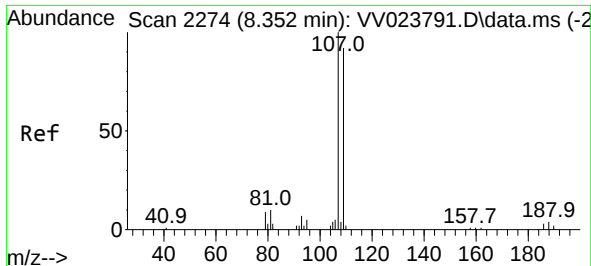
Tgt Ion: 43 Resp: 133900
Ion Ratio Lower Upper
43 100
58 58.5 44.5 66.7
57 19.9 15.1 22.7
100 14.8 10.7 16.1



#49
Dibromochloromethane
Concen: 5.531 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

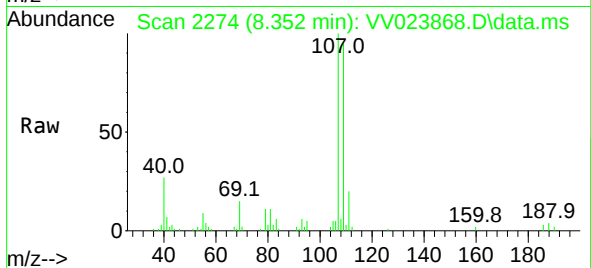
Tgt Ion: 129 Resp: 36501
Ion Ratio Lower Upper
129 100
127 78.8 53.5 99.3



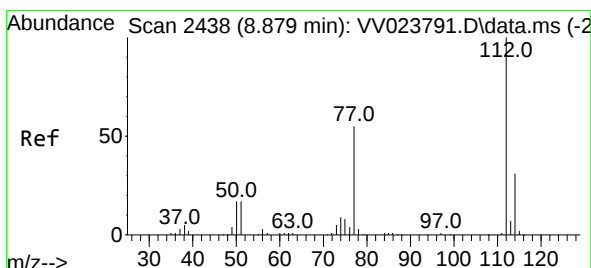
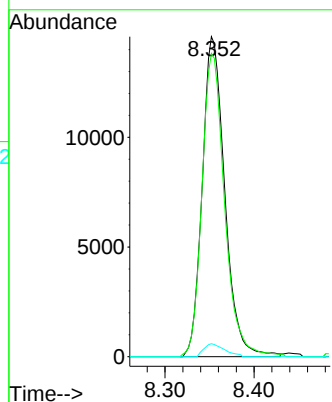
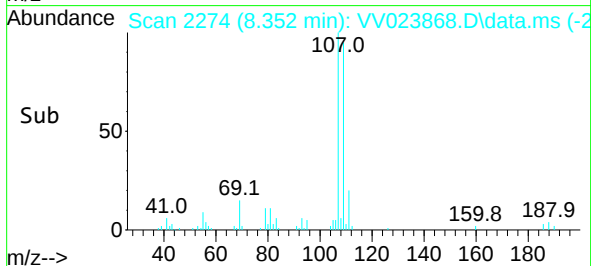


#50
1,2-Dibromoethane
Concen: 5.443 ug/L
RT: 8.352 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Instrument :
MSVOA_V
ClientSampleId :

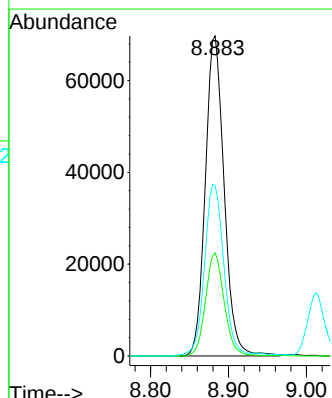
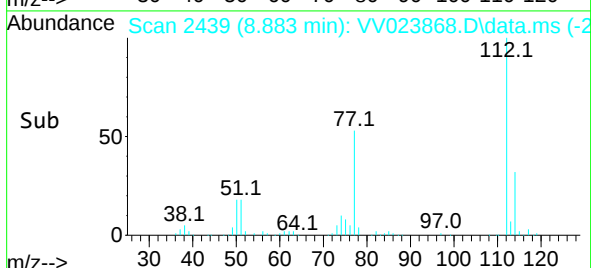
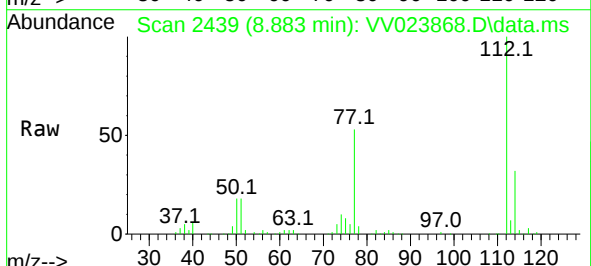


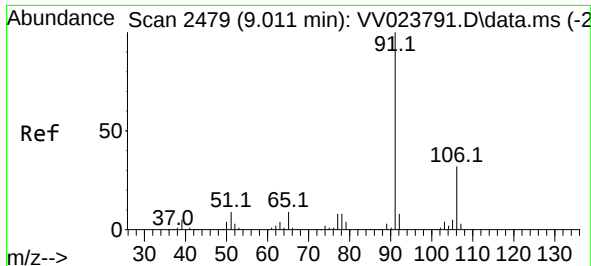
Tgt Ion:107 Resp: 25564
Ion Ratio Lower Upper
107 100
109 94.8 62.5 116.1
188 4.0 3.4 5.2



#51
Chlorobenzene
Concen: 5.571 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Tgt Ion:112 Resp: 117211
Ion Ratio Lower Upper
112 100
114 32.2 23.3 43.3
77 53.3 43.3 64.9

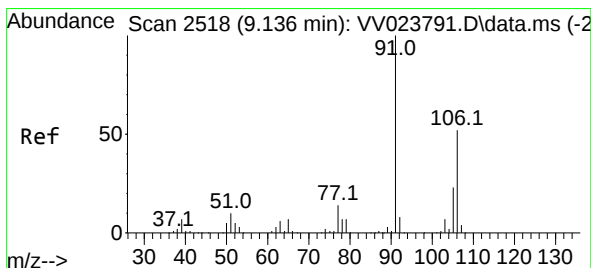
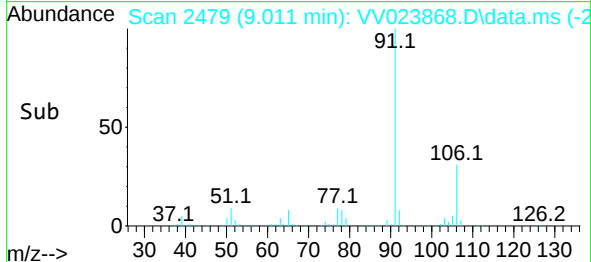
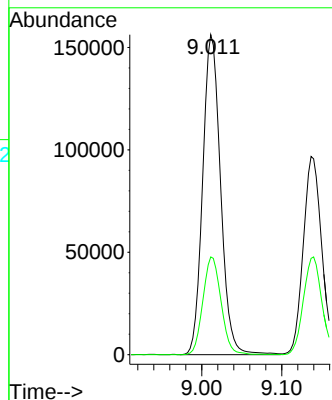
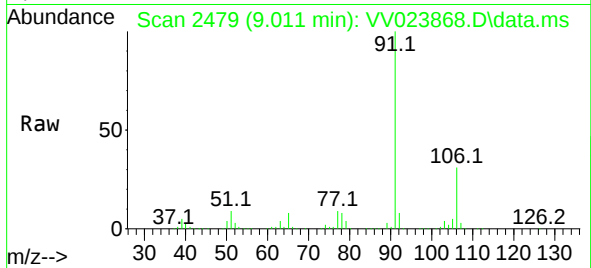




#52
Ethylbenzene
Concen: 7.349 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

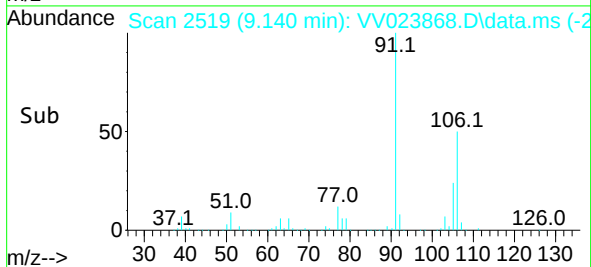
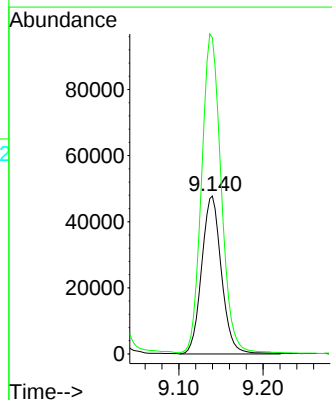
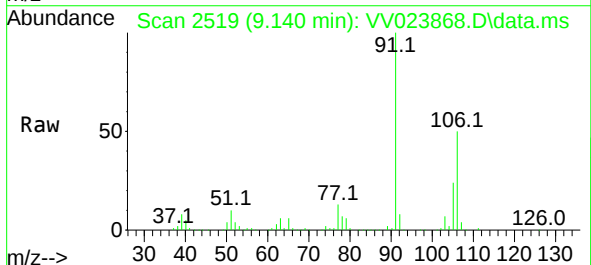
Instrument :
MSVOA_V
ClientSampleId :

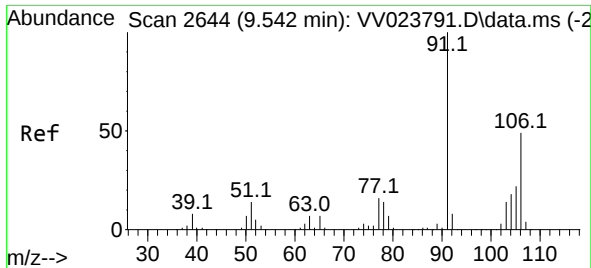
Tgt Ion: 91 Resp: 243780
Ion Ratio Lower Upper
91 100
106 30.6 22.0 41.0



#53
m,p-xylene
Concen: 5.915 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Tgt Ion: 106 Resp: 78086
Ion Ratio Lower Upper
106 100
91 200.2 139.5 259.1

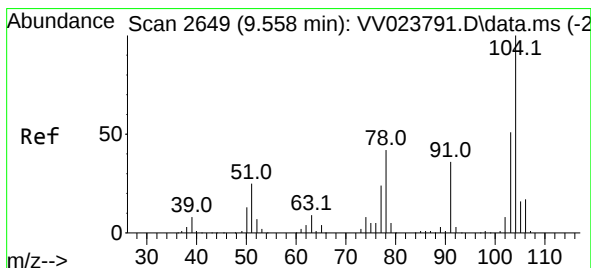
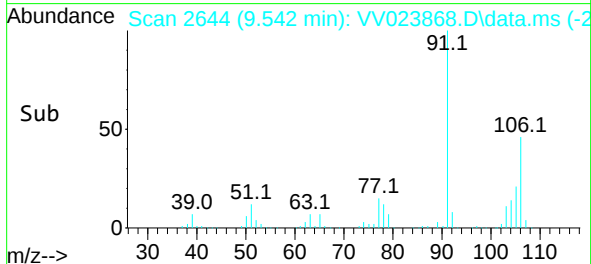
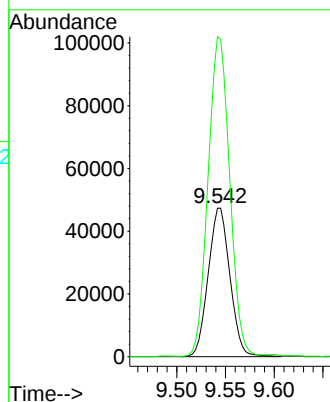
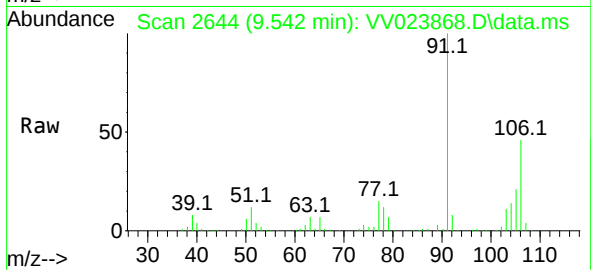




#54
o-xylene
Concen: 5.846 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

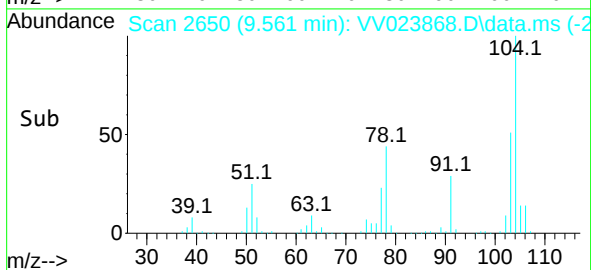
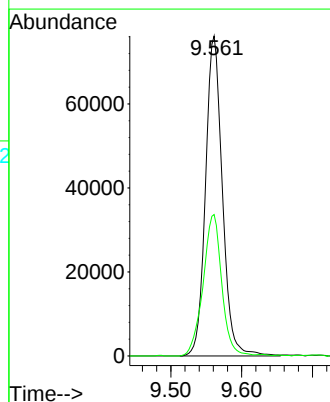
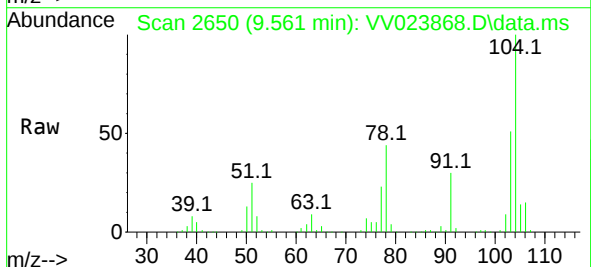
Instrument :
MSVOA_V
ClientSampleId :

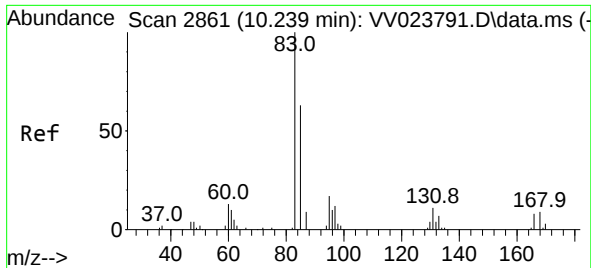
Tgt Ion:106 Resp: 73392
Ion Ratio Lower Upper
106 100
91 215.4 147.9 274.7



#55
Styrene
Concen: 5.950 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Tgt Ion:104 Resp: 125865
Ion Ratio Lower Upper
104 100
78 44.2 31.0 57.6

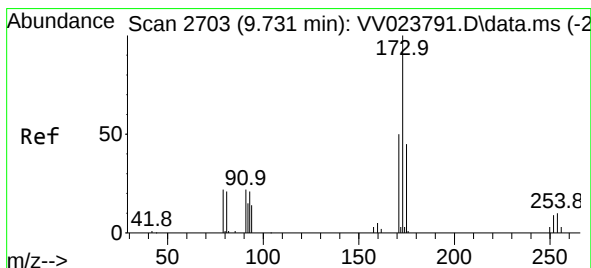
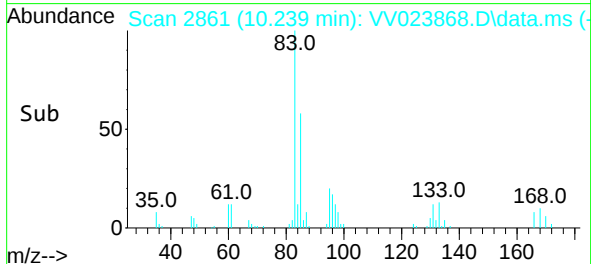
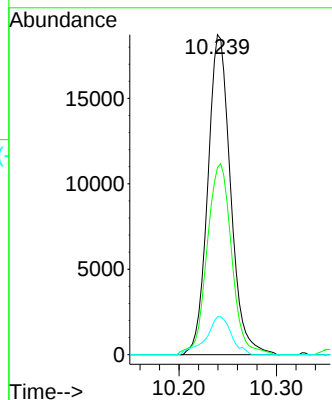
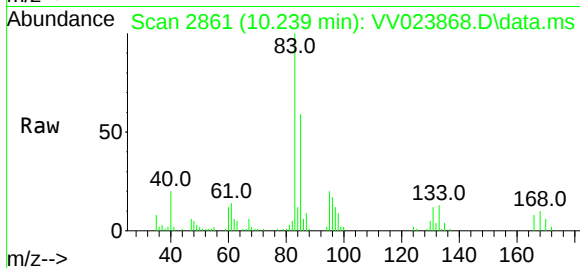




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.673 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

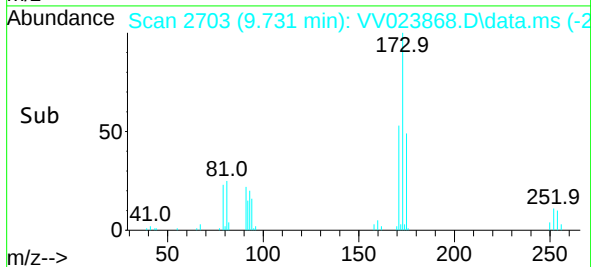
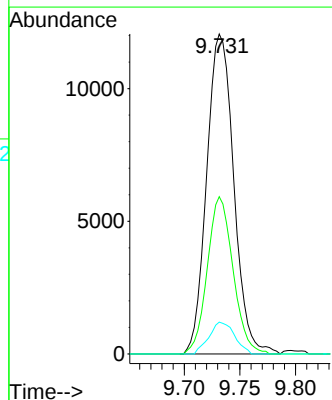
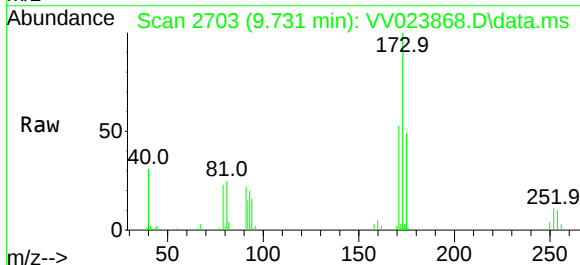
Instrument :
 MSVOA_V
 ClientSampleId :

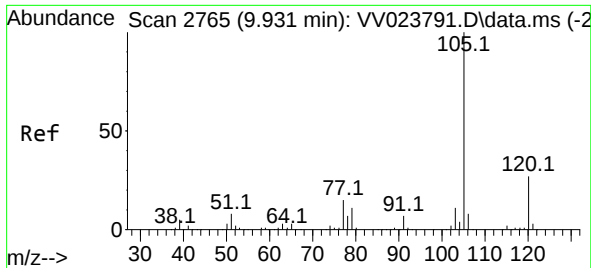
Tgt Ion: 83	Resp:	30400
Ion Ratio	Lower	Upper
83	100	
85	58.5	44.6 82.8
131	11.9	8.3 12.5



#59
 Bromoform
 Concen: 5.114 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. 0.000 min
 Lab File: VV023868.D
 Acq: 09 Dec 2021 17:54

Tgt Ion: 173	Resp:	20414
Ion Ratio	Lower	Upper
173	100	
175	46.7	39.4 59.2
254	9.4	7.4 11.0

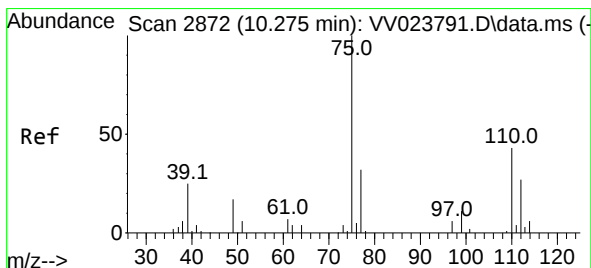
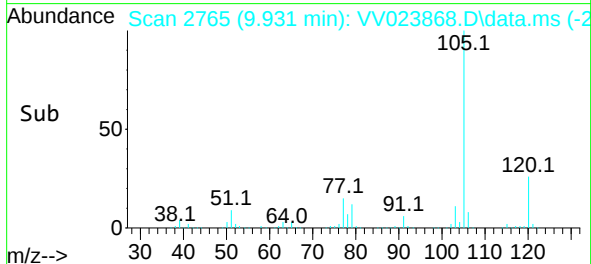
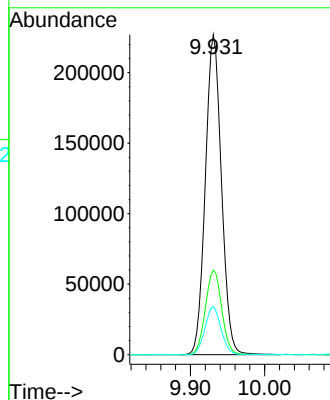
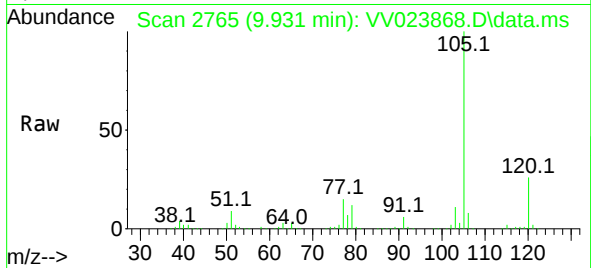




#60
Isopropylbenzene
Concen: 9.462 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

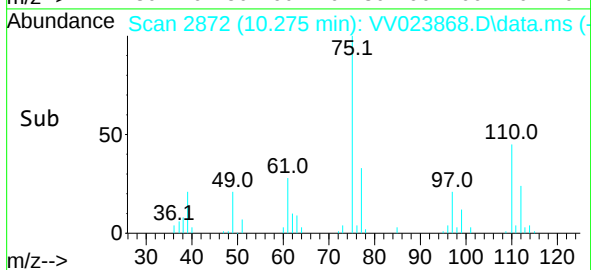
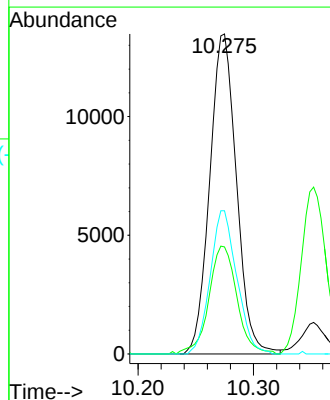
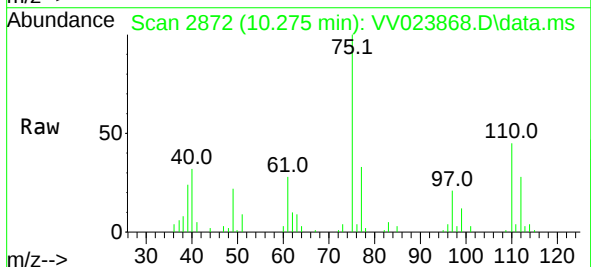
Instrument :
MSVOA_V
ClientSampleId :

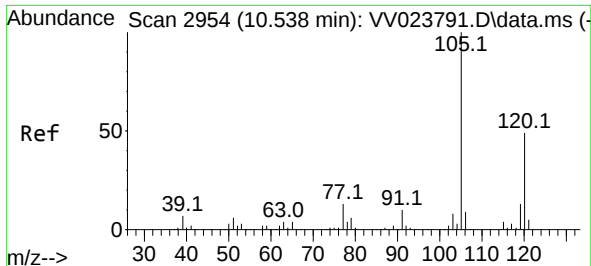
Tgt Ion:105 Resp: 341475
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 15.1 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.059 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Tgt Ion: 75 Resp: 21687
Ion Ratio Lower Upper
75 100
77 35.3 26.4 39.6
110 44.6 34.2 51.2





#62

1,3,5-Trimethylbenzene

Concen: 6.630 ug/L

RT: 10.539 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

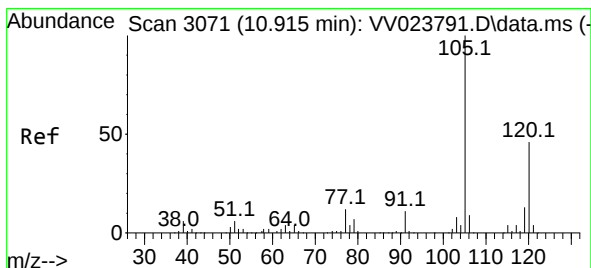
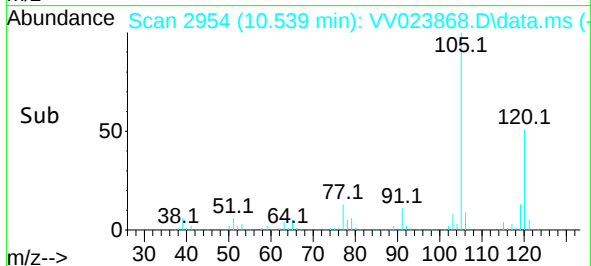
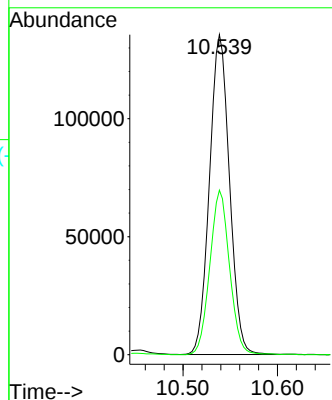
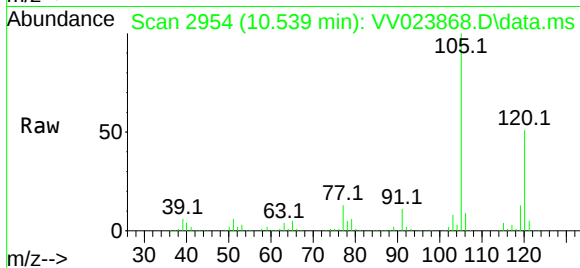
ClientSampleId :

Tgt Ion:105 Resp: 199100

Ion Ratio Lower Upper

105 100

120 50.7 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 16.816 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV023868.D

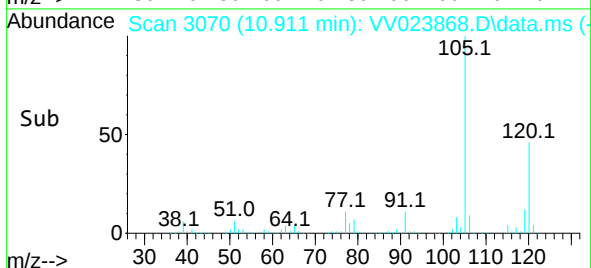
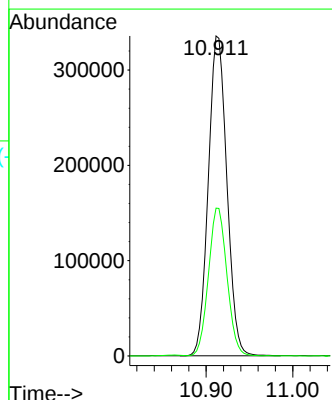
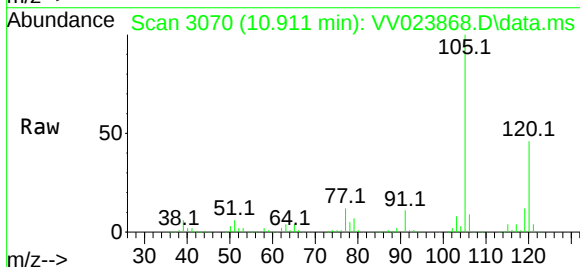
Acq: 09 Dec 2021 17:54

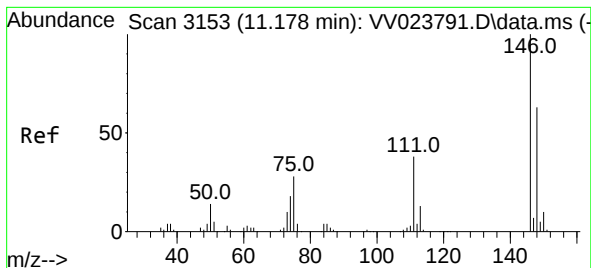
Tgt Ion:105 Resp: 499403

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 5.636 ug/L

RT: 11.182 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

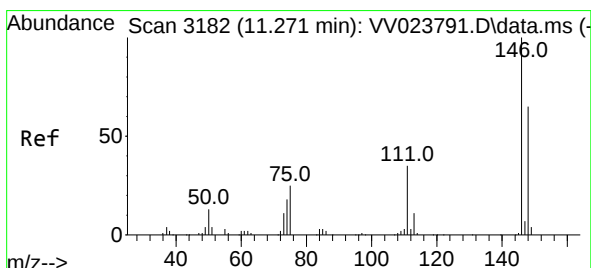
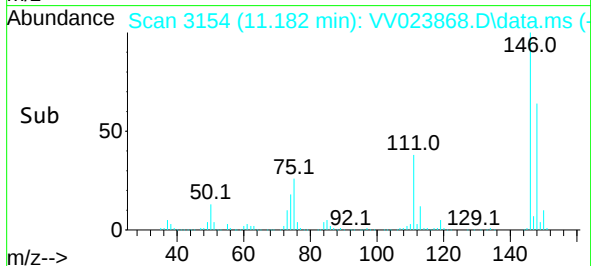
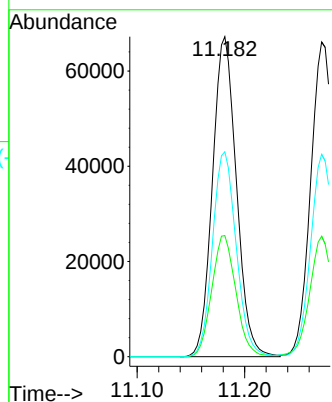
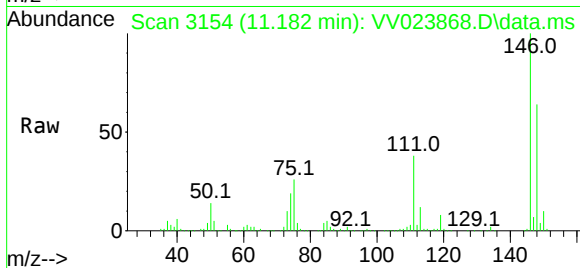
Tgt Ion:146 Resp: 104003

Ion Ratio Lower Upper

146 100

111 37.9 26.3 48.9

148 64.1 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 5.561 ug/L

RT: 11.272 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

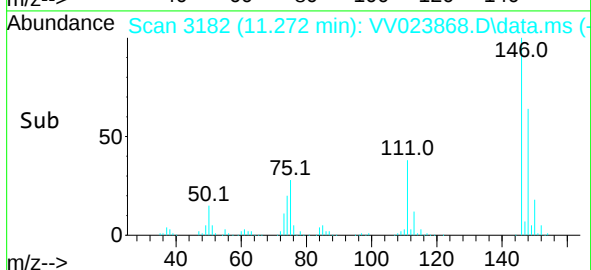
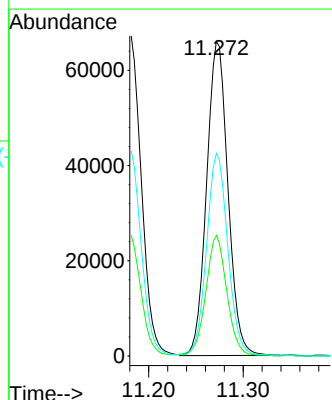
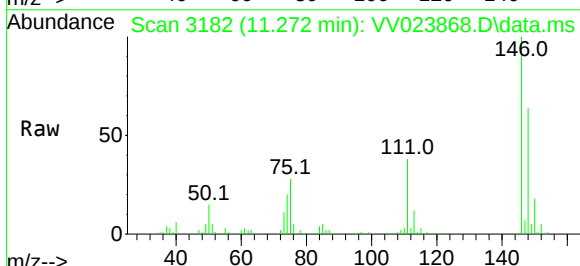
Tgt Ion:146 Resp: 103133

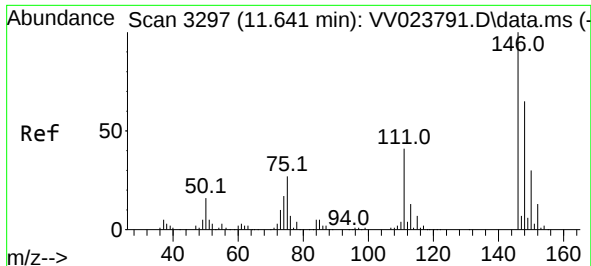
Ion Ratio Lower Upper

146 100

111 38.3 25.6 47.6

148 64.3 44.8 83.2

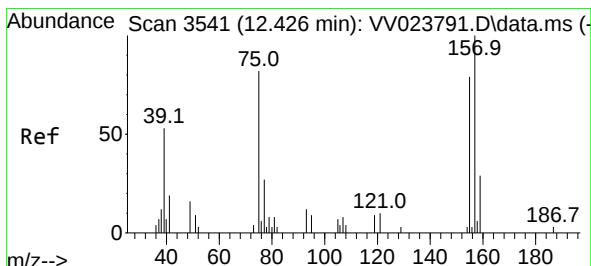
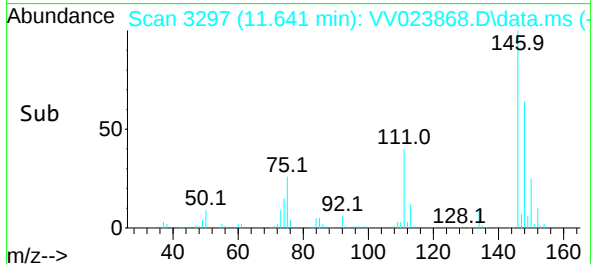
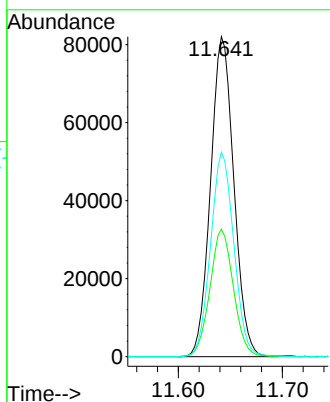
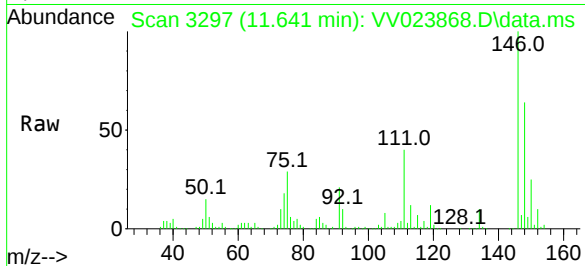




#67
1,2-Dichlorobenzene
Concen: 7.559 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

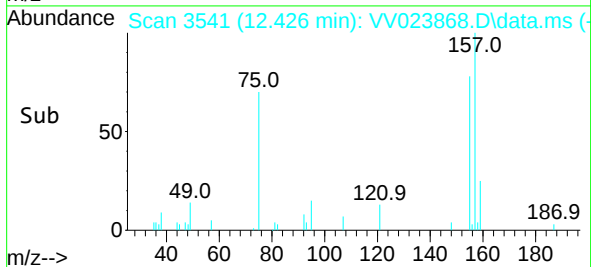
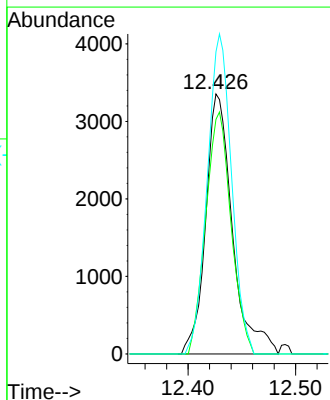
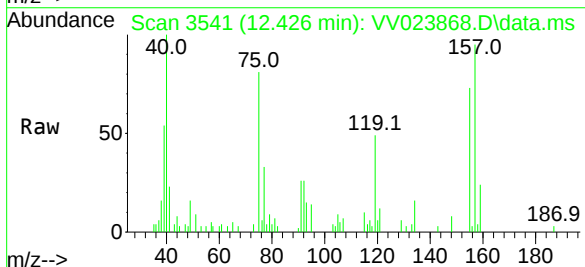
Instrument :
MSVOA_V
ClientSampleId :

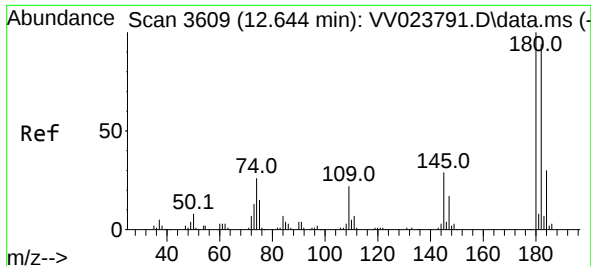
Tgt Ion:146 Resp: 127646
Ion Ratio Lower Upper
146 100
111 39.8 31.9 47.9
148 63.8 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 6.797 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. 0.000 min
Lab File: VV023868.D
Acq: 09 Dec 2021 17:54

Tgt Ion: 75 Resp: 5786
Ion Ratio Lower Upper
75 100
155 90.2 71.7 107.5
157 116.1 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 6.143 ug/L

RT: 12.645 min Scan# 30

Delta R.T. 0.000 min

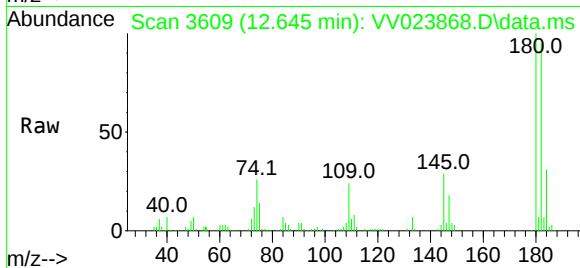
Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 88499

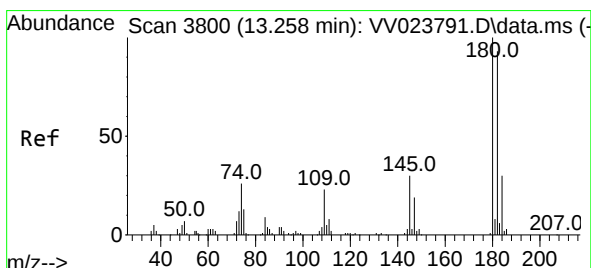
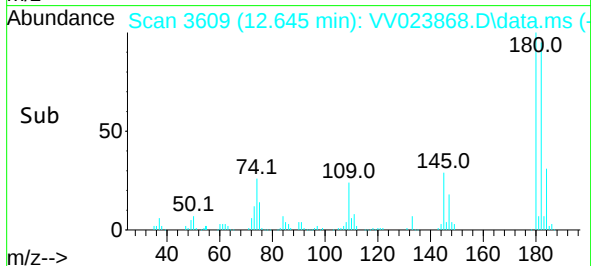
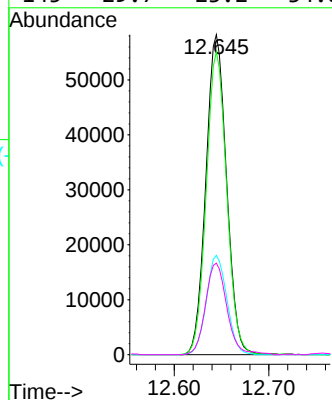
Ion Ratio Lower Upper

180 100

182 93.3 76.4 114.6

184 30.9 24.2 36.4

145 29.7 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 6.439 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

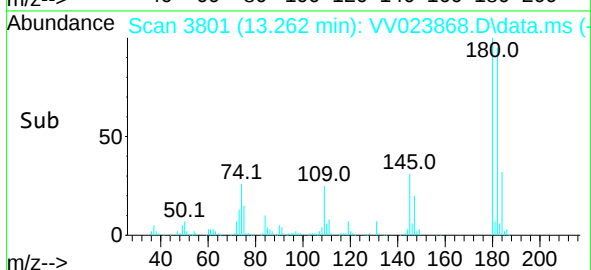
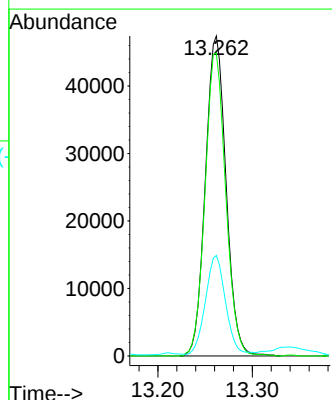
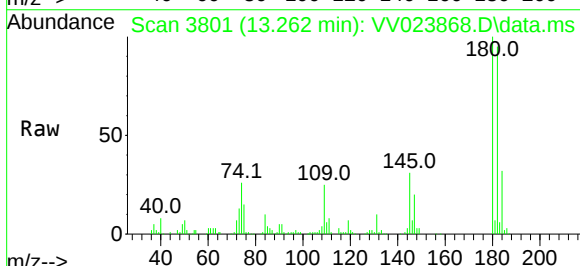
Tgt Ion:180 Resp: 71975

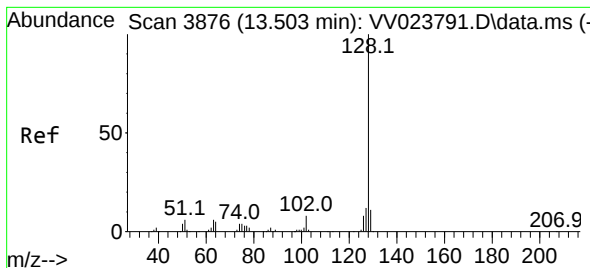
Ion Ratio Lower Upper

180 100

182 94.7 74.4 111.6

145 30.3 23.3 34.9





#71

Naphthalene

Concen: 20.970 ug/L

RT: 13.500 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

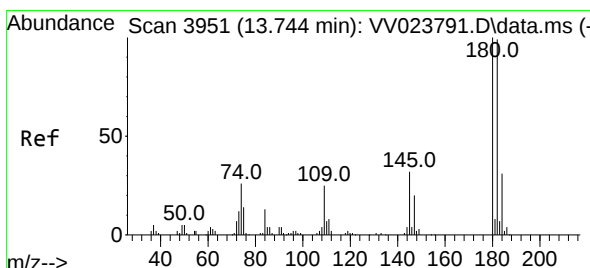
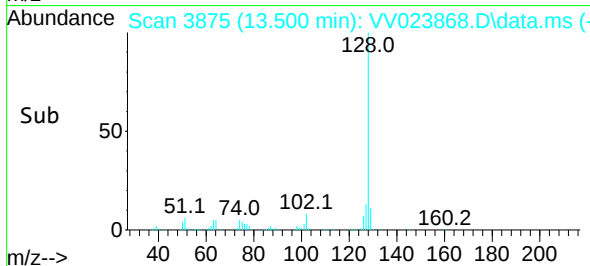
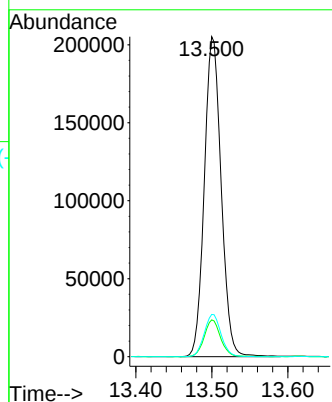
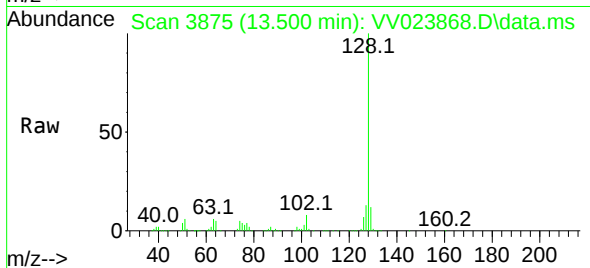
Tgt Ion:128 Resp: 315450

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

127 13.2 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 6.355 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.000 min

Lab File: VV023868.D

Acq: 09 Dec 2021 17:54

Tgt Ion:180 Resp: 61557

Ion Ratio Lower Upper

180 100

182 94.0 76.8 115.2

145 33.6 25.8 38.6

