

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV083122\
 Data File : VV027612.D
 Acq On : 31 Aug 2022 10:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 01 02:30:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 31 04:45:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	132300	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	128936	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	63156	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	43396	4.609	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.200%
7) Chloroethane-d5	1.564	69	38623	5.605	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.000%
11) 1,1-Dichloroethene-d2	2.105	63	91343	4.160	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	3.889	46	70709	60.342	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.680%
24) Chloroform-d	4.342	84	97078	5.156	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
26) 1,2-Dichloroethane-d4	5.027	65	44567	5.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
32) Benzene-d6	5.043	84	170346	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.063	67	53524	5.155	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.313	98	153319	4.755	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	7.622	79	16176	4.550	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.088	63	71216	60.854	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.700%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	37049	5.603	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	46233	4.938	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	59044	4.206	ug/L	99
3) Chloromethane	1.236	50	62754	5.119	ug/L	99
5) Vinyl chloride	1.307	62	62102	5.032	ug/L	100
6) Bromomethane	1.519	94	26757	4.385	ug/L	98
8) Chloroethane	1.581	64	39964	5.541	ug/L	99
9) Trichlorofluoromethane	1.748	101	89432	4.561	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	48209	4.356	ug/L	93
12) 1,1-Dichloroethene	2.114	96	44994	4.495	ug/L	99
13) Acetone	2.172	43	48212	43.082	ug/L	97
14) Carbon disulfide	2.288	76	113570	4.134	ug/L	100
15) Methyl Acetate	2.433	43	16559	5.343	ug/L	92
16) Methylene chloride	2.500	84	80351	5.324	ug/L	99
17) Methyl tert-butyl Ether	2.761	73	111854	5.401	ug/L	98
18) trans-1,2-Dichloroethene	2.754	96	51061	4.951	ug/L	96
19) 1,1-Dichloroethane	3.182	63	116803	5.471	ug/L	99
21) 2-Butanone	3.970	43	82795	55.594	ug/L	91
22) cis-1,2-Dichloroethene	3.905	96	54443	4.954	ug/L	99
23) Bromochloromethane	4.240	128	26175	5.401	ug/L	89
25) Chloroform	4.365	83	124518	5.364	ug/L	96

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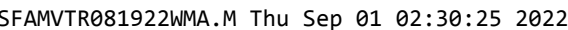
Instrument :
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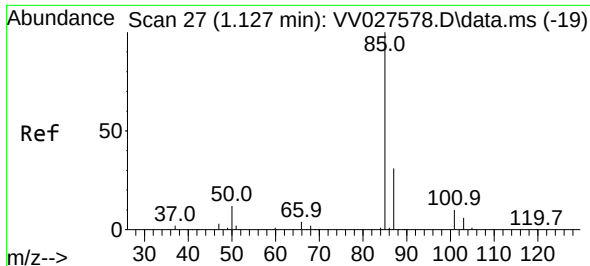
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	65194	5.527	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	100962	5.101	ug/L	99
30) Cyclohexane	4.670	56	60732	3.998	ug/L	96
31) Carbon tetrachloride	4.822	117	81987	4.764	ug/L	98
33) Benzene	5.092	78	226215	5.277	ug/L	100
34) Trichloroethene	5.908	95	53764	4.766	ug/L	99
35) Methylcyclohexane	6.127	83	61095	3.850	ug/L	96
37) 1,2-Dichloropropane	6.169	63	62884	5.502	ug/L #	92
38) Bromodichloromethane	6.503	83	79641	5.496	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	63856	4.634	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	301433	59.030	ug/L	99
42) Toluene	7.384	91	237459	5.366	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	54515	4.679	ug/L	99
45) 1,1,2-Trichloroethane	7.838	97	42415	5.805	ug/L	96
47) Tetrachloroethene	7.973	164	38854	4.421	ug/L	97
48) 2-Hexanone	8.137	43	222221	60.393	ug/L	98
49) Dibromochloromethane	8.243	129	50296	5.597	ug/L	94
50) 1,2-Dibromoethane	8.349	107	36101	5.661	ug/L	95
51) Chlorobenzene	8.879	112	144295	5.039	ug/L	99
52) Ethylbenzene	9.011	91	218192	4.831	ug/L	99
53) m,p-Xylene	9.136	106	83983	4.859	ug/L	96
54) o-Xylene	9.542	106	81677	4.872	ug/L	98
55) Styrene	9.558	104	148426	5.204	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	47058	5.718	ug/L	96
59) Bromoform	9.728	173	23669	5.592	ug/L	99
60) Isopropylbenzene	9.927	105	215892	5.195	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	33610	6.066	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	54705	4.747	ug/L	96
63) 1,2,4-Trimethylbenzene	10.911	105	159474	4.912	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	108511	5.300	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	107983	5.290	ug/L	95
67) 1,2-Dichlorobenzene	11.641	146	101831	5.486	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.429	75	6465	5.252	ug/L	94
69) 1,3,5-Trichlorobenzene	12.641	180	74712	4.889	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	53976	4.860	ug/L	99
71) Naphthalene	13.500	128	73212	4.775	ug/L	98
72) 1,2,3-Trichlorobenzene	13.741	180	49847	5.053	ug/L	100

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

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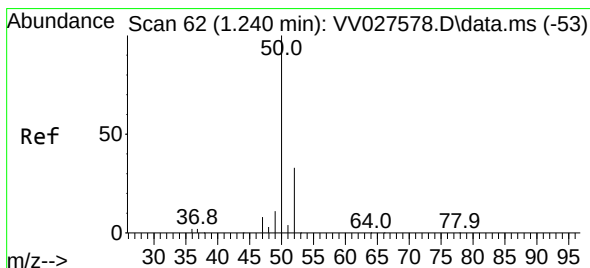
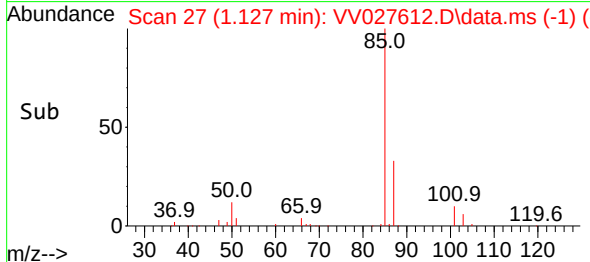
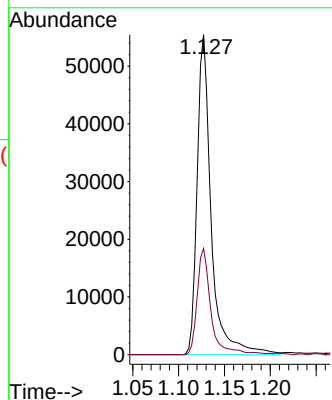
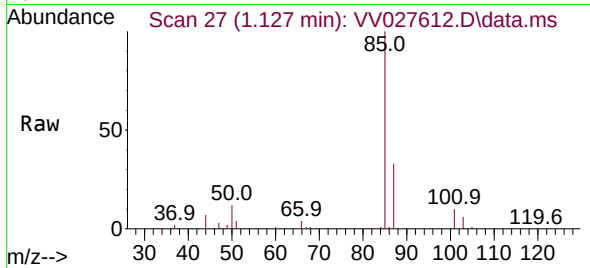




#2
 Dichlorodifluoromethane
 Concen: 4.206 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV027612.D
 Acq: 31 Aug 2022 10:52

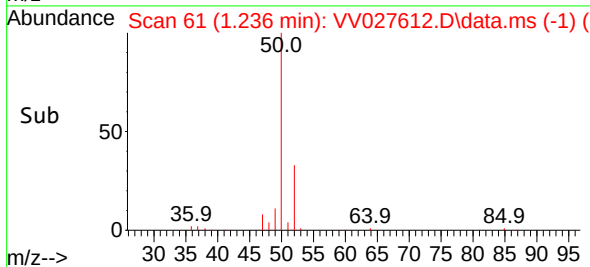
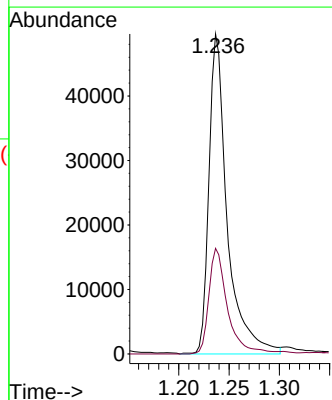
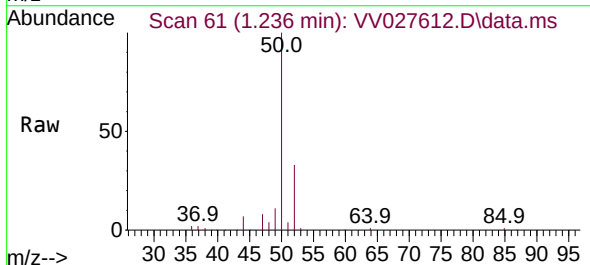
Instrument :
 MSVOA_V
 ClientSampleId :

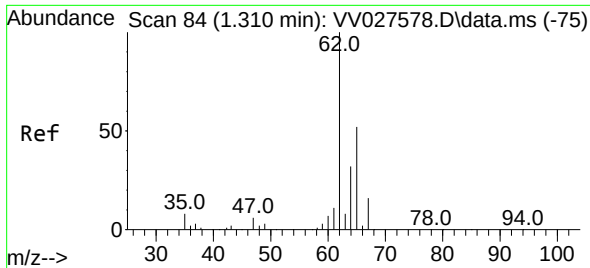
Tgt Ion: 85 Resp: 59044
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.0 39.0



#3
 Chloromethane
 Concen: 5.119 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VV027612.D
 Acq: 31 Aug 2022 10:52

Tgt Ion: 50 Resp: 62754
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4

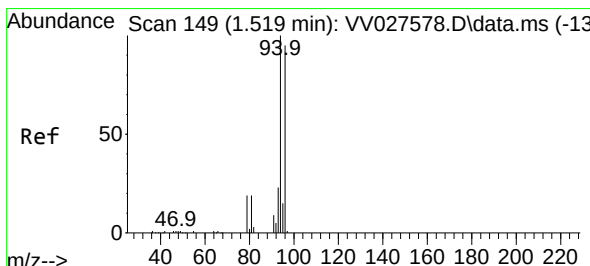
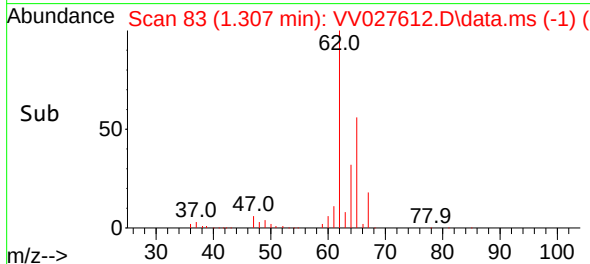
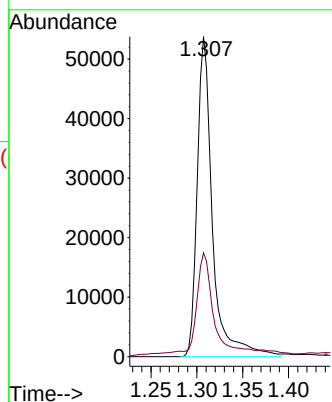
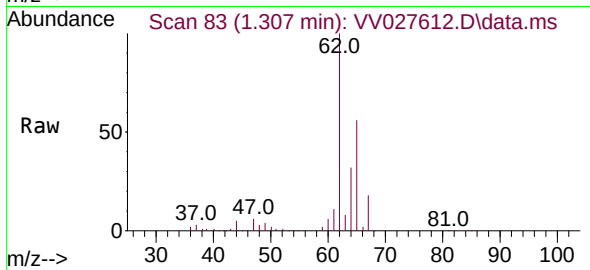




#5
 Vinyl chloride
 Concen: 5.032 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV027612.D
 Acq: 31 Aug 2022 10:52

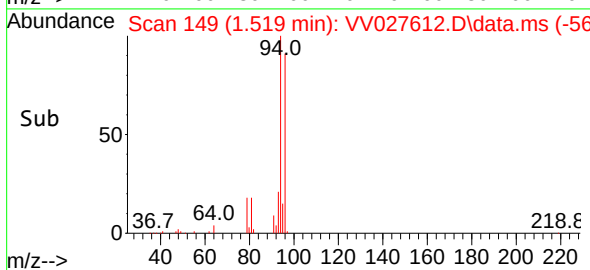
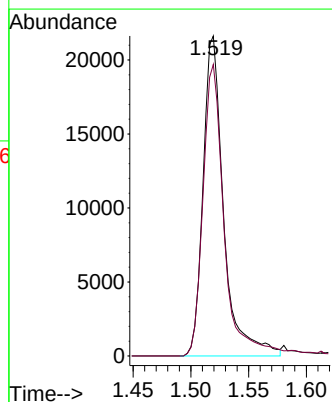
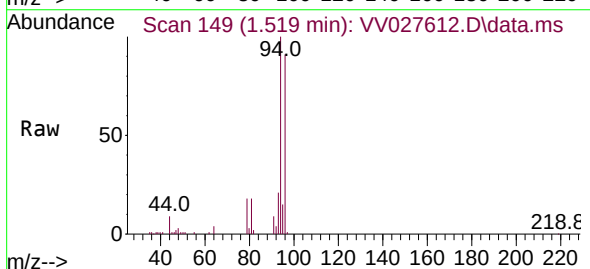
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 ClientSampleId :

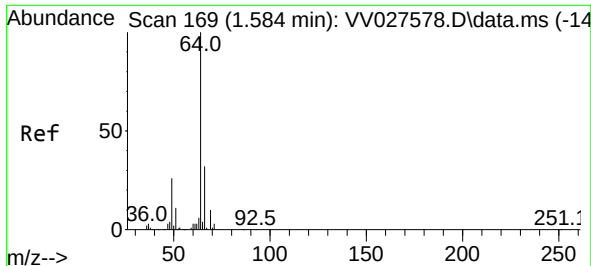
Tgt Ion: 62 Resp: 62102
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.6 42.0



#6
 Bromomethane
 Concen: 4.385 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV027612.D
 Acq: 31 Aug 2022 10:52

Tgt Ion: 94 Resp: 26757
 Ion Ratio Lower Upper
 94 100
 96 91.1 65.2 121.0

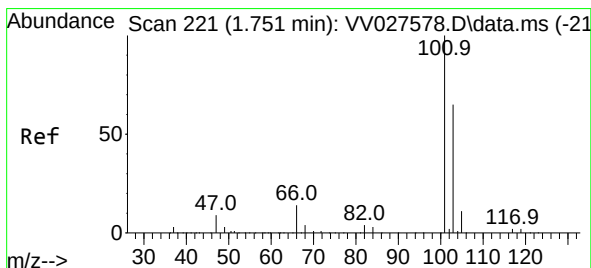
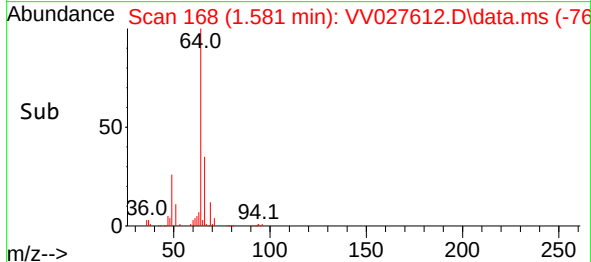
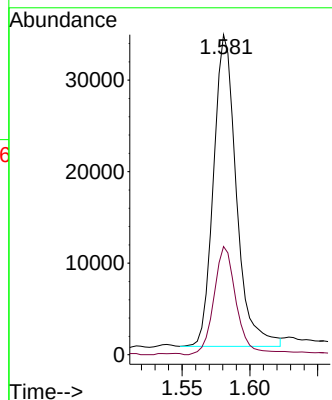
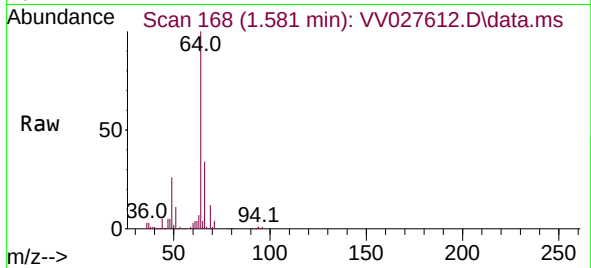




#8
Chloroethane
Concen: 5.541 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

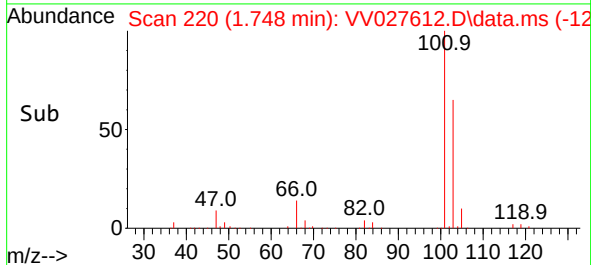
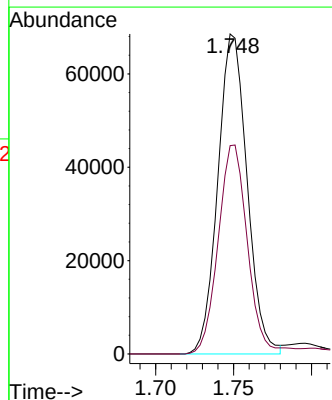
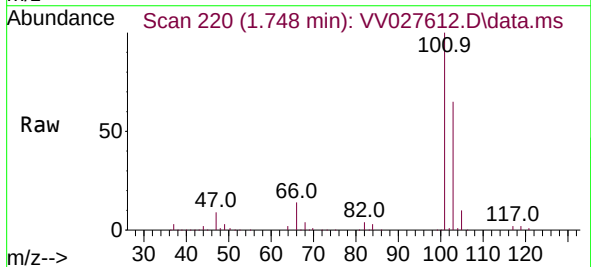
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MSVOA_V
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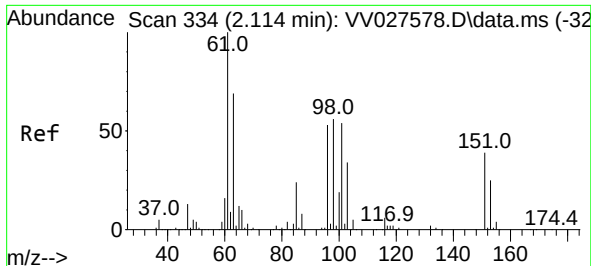
Tgt Ion: 64 Resp: 39964
Ion Ratio Lower Upper
64 100
66 33.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.561 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion:101 Resp: 89432
Ion Ratio Lower Upper
101 100
103 65.8 51.5 77.3

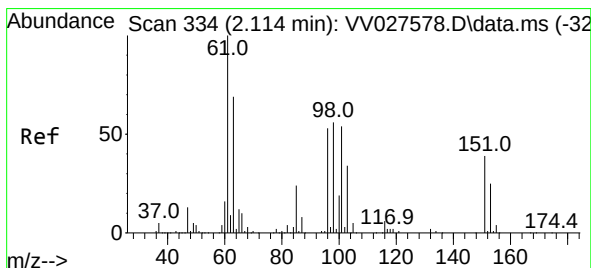
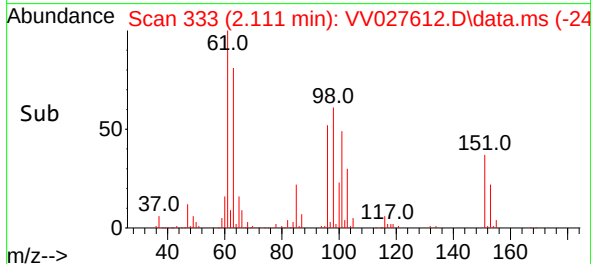
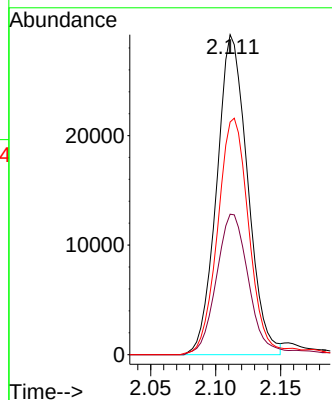
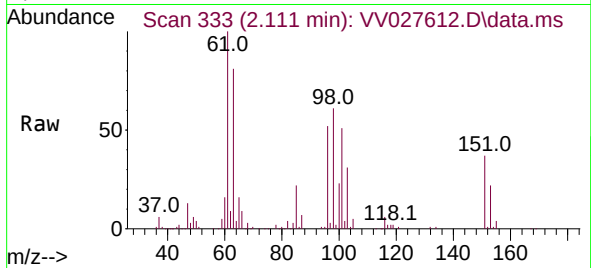




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.356 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV027612.D
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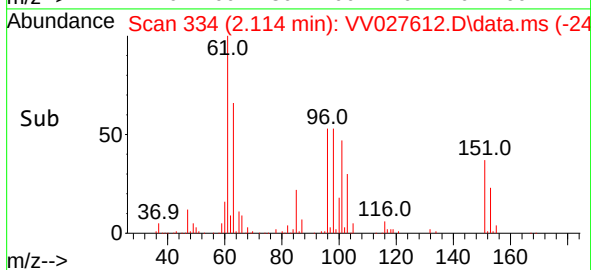
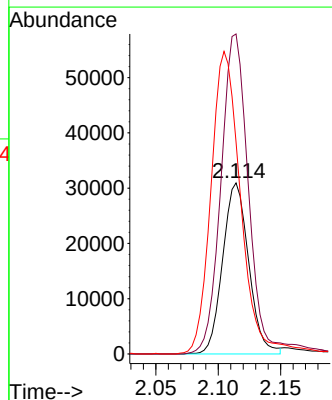
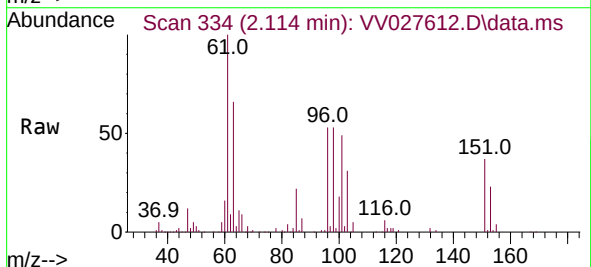
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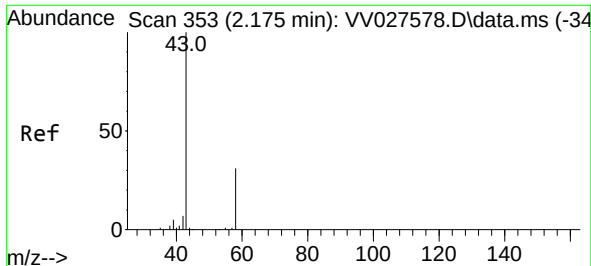
Tgt Ion:101 Resp: 48209
 Ion Ratio Lower Upper
 101 100
 85 47.1 35.3 52.9
 151 75.4 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 4.495 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV027612.D
 Acq: 31 Aug 2022 10:52

Tgt Ion: 96 Resp: 44994
 Ion Ratio Lower Upper
 96 100
 61 187.0 130.2 241.8
 63 124.0 87.4 162.4





#13

Acetone

Concen: 43.082 ug/L

RT: 2.172 min Scan# 353

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

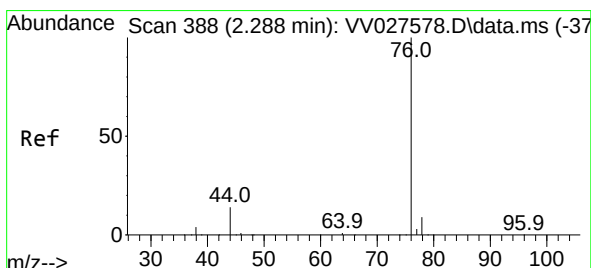
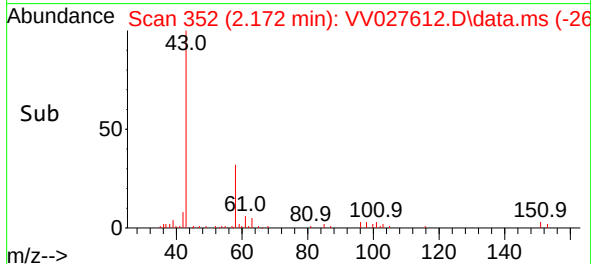
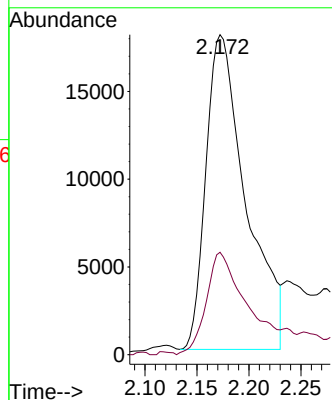
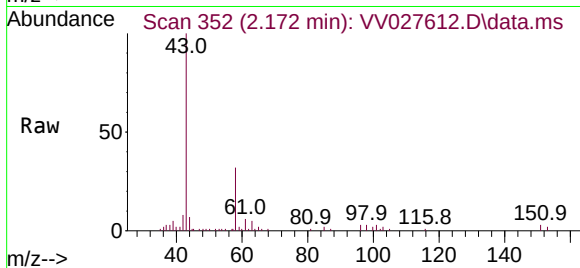
ClientSampleId :

Tgt Ion: 43 Resp: 48212

Ion Ratio Lower Upper

43 100

58 33.0 0.0 62.2



#14

Carbon disulfide

Concen: 4.134 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV027612.D

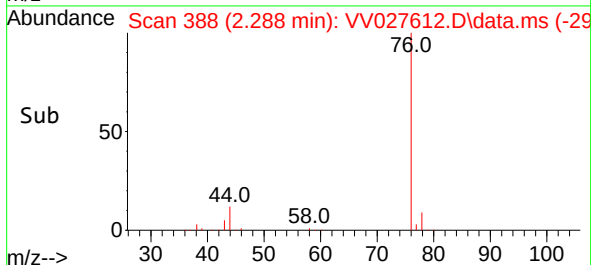
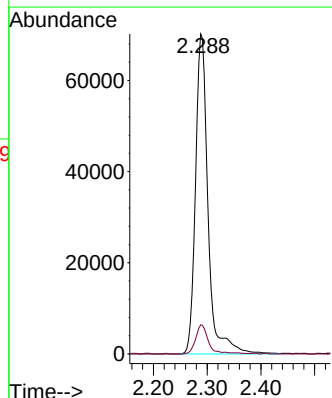
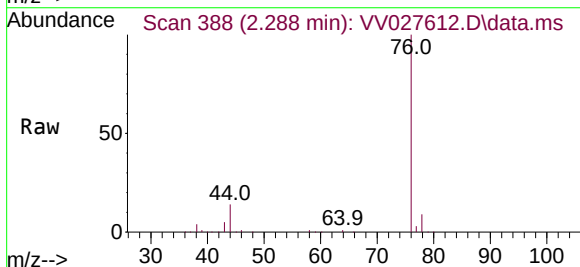
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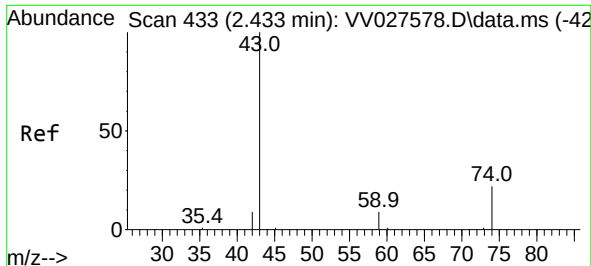
Tgt Ion: 76 Resp: 113570

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

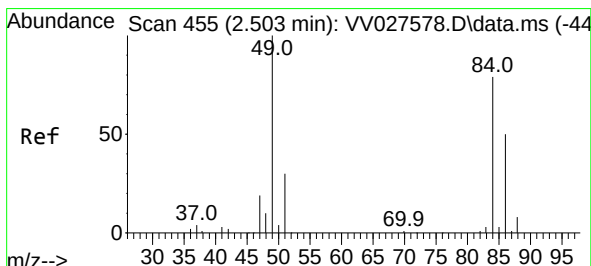
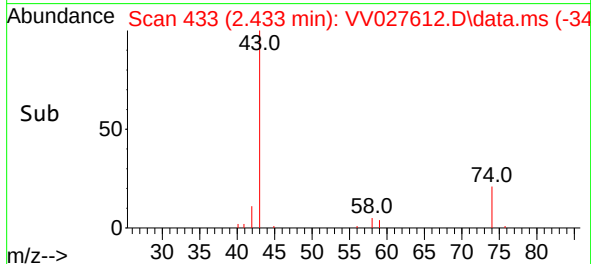
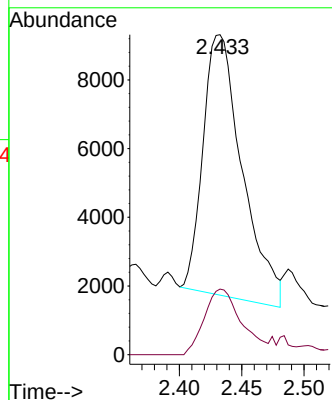
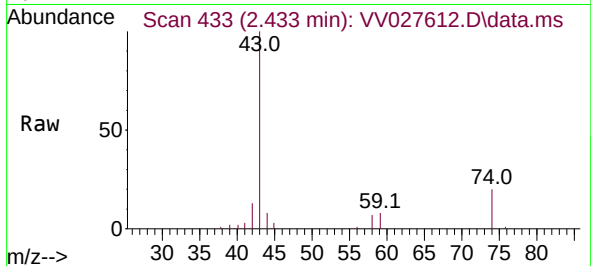




#15
Methyl Acetate
Concen: 5.343 ug/L
RT: 2.433 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

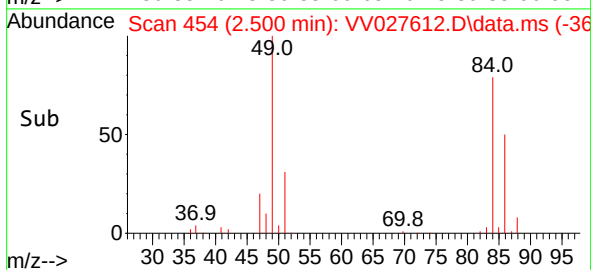
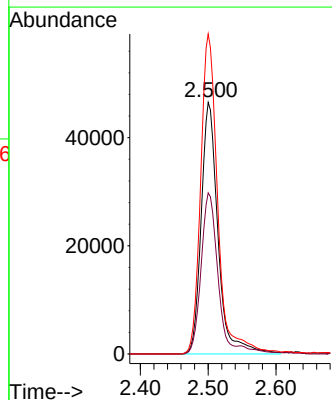
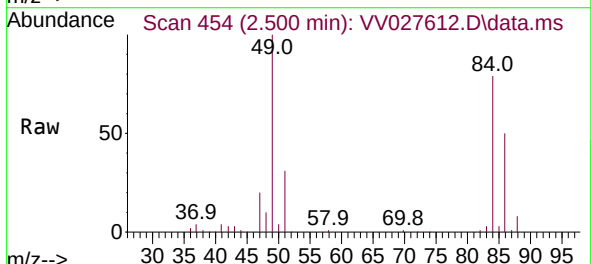
Instrument :
MSVOA_V
ClientSampleId :

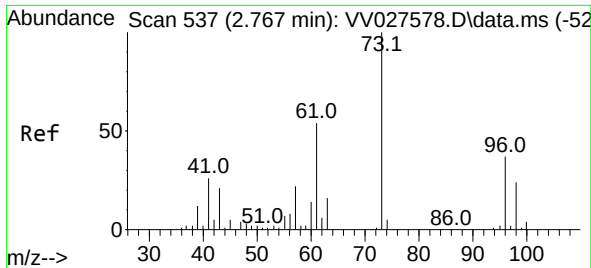
Tgt Ion: 43 Resp: 16559
Ion Ratio Lower Upper
43 100
74 24.1 16.3 24.5



#16
Methylene chloride
Concen: 5.324 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion: 84 Resp: 80351
Ion Ratio Lower Upper
84 100
86 64.1 44.0 81.6
49 127.2 89.4 166.0

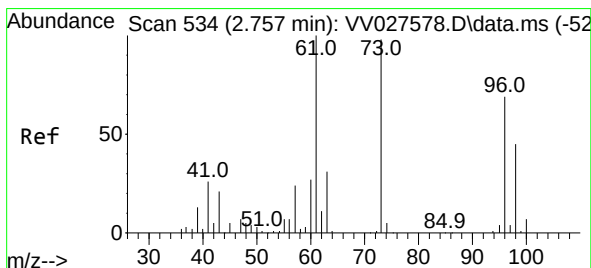
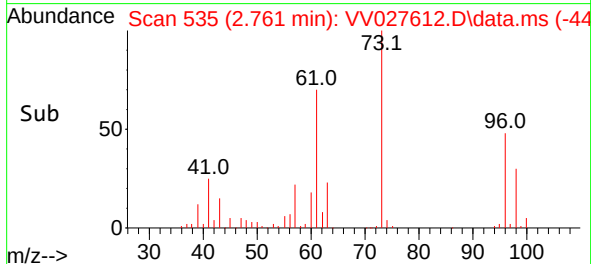
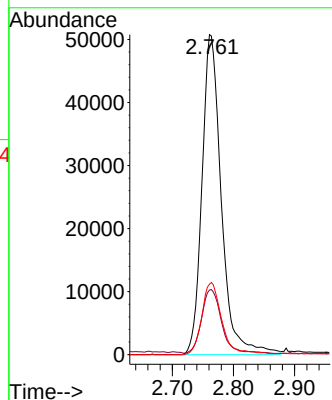
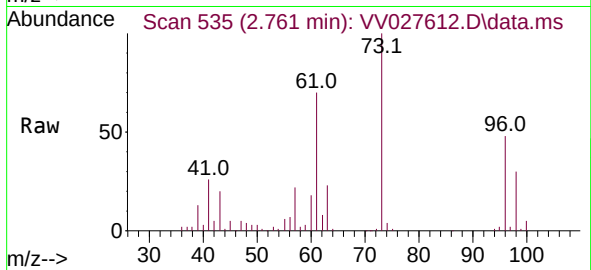




#17
Methyl tert-butyl Ether
Concen: 5.401 ug/L
RT: 2.761 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

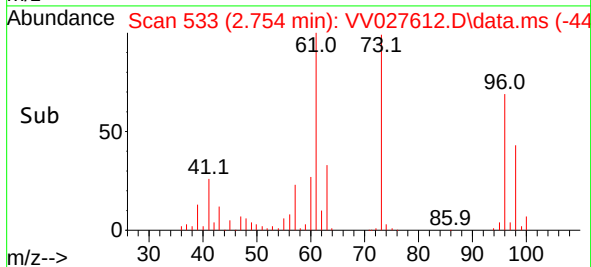
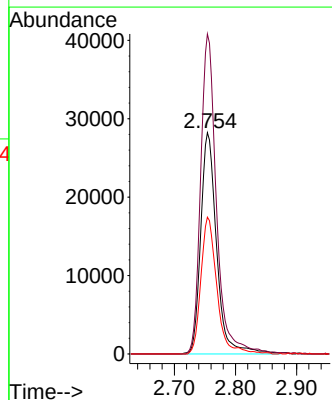
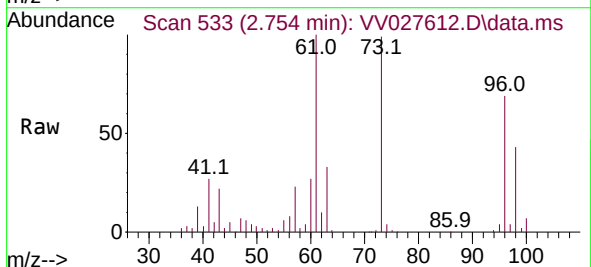
Instrument :
MSVOA_V
ClientSampleId :

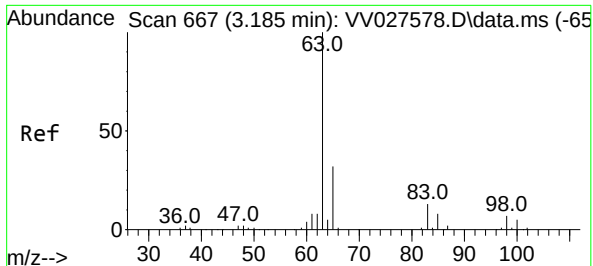
Tgt Ion: 73 Resp: 111854
Ion Ratio Lower Upper
73 100
43 20.0 15.6 23.4
57 22.3 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 4.951 ug/L
RT: 2.754 min Scan# 533
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion: 96 Resp: 51061
Ion Ratio Lower Upper
96 100
61 144.7 97.6 181.4
98 61.9 45.9 85.3





#19

1,1-Dichloroethane

Concen: 5.471 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

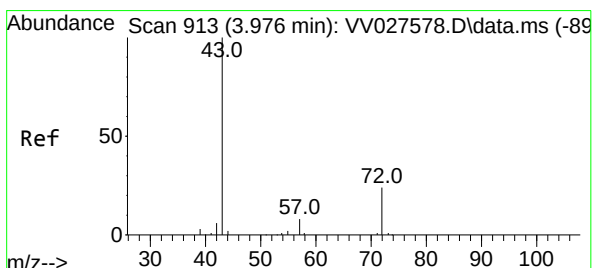
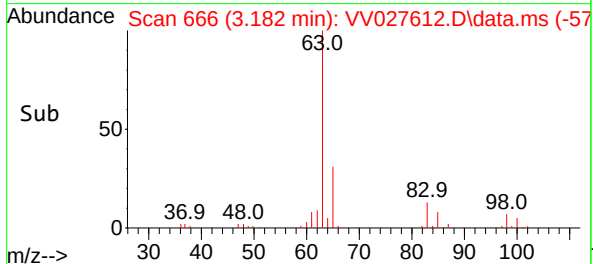
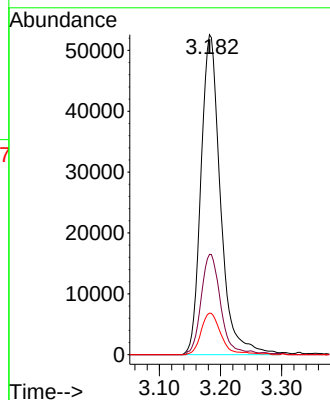
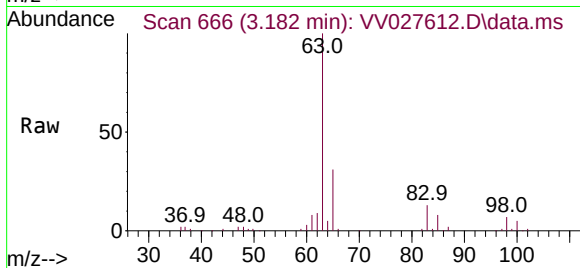
Tgt Ion: 63 Resp: 116803

Ion Ratio Lower Upper

63 100

65 31.4 22.1 41.1

83 13.0 9.6 17.8



#21

2-Butanone

Concen: 55.594 ug/L

RT: 3.970 min Scan# 911

Delta R.T. -0.006 min

Lab File: VV027612.D

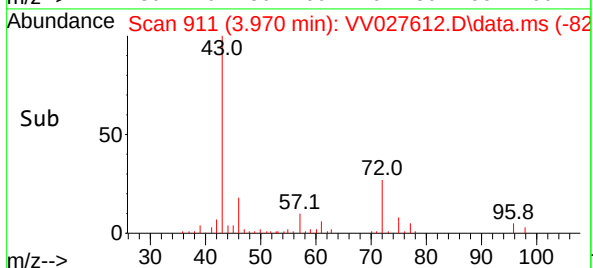
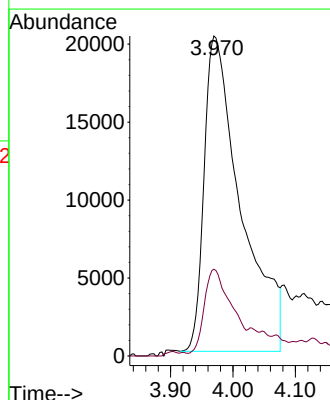
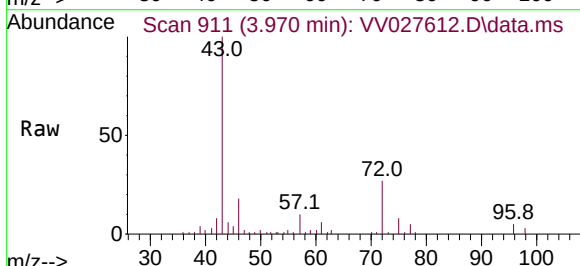
Acq: 31 Aug 2022 10:52

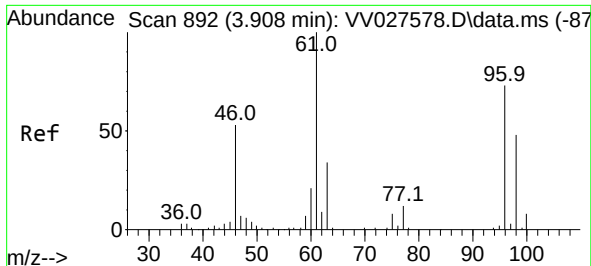
Tgt Ion: 43 Resp: 82795

Ion Ratio Lower Upper

43 100

72 19.6 12.0 36.1





#22

cis-1,2-Dichloroethene

Concen: 4.954 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

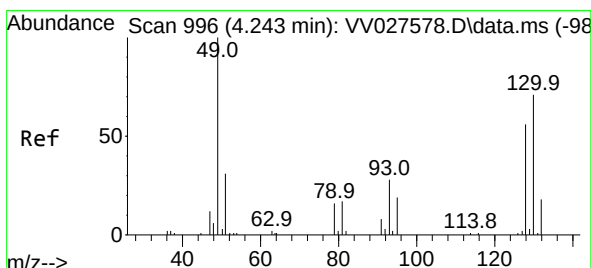
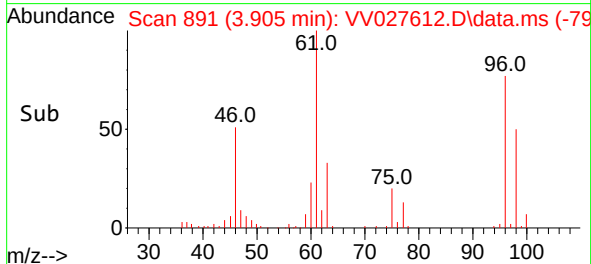
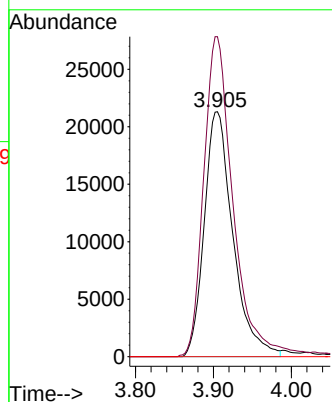
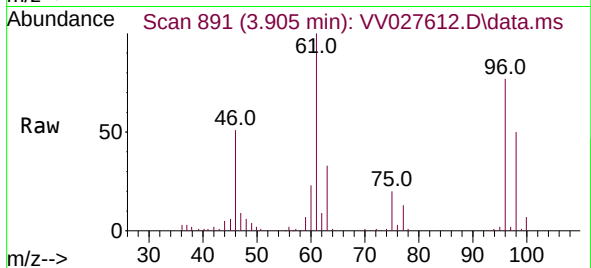
Tgt Ion: 96 Resp: 54443

Ion Ratio Lower Upper

96 100

61 130.6 90.6 168.2

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.401 ug/L

RT: 4.240 min Scan# 995

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Tgt Ion: 128 Resp: 26175

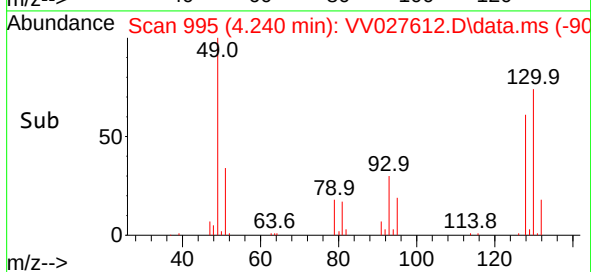
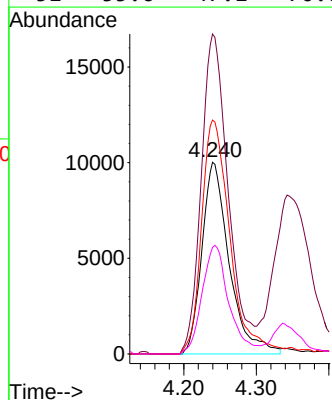
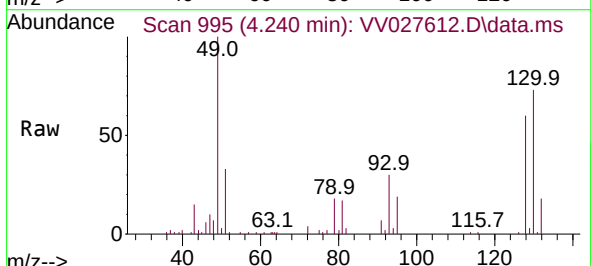
Ion Ratio Lower Upper

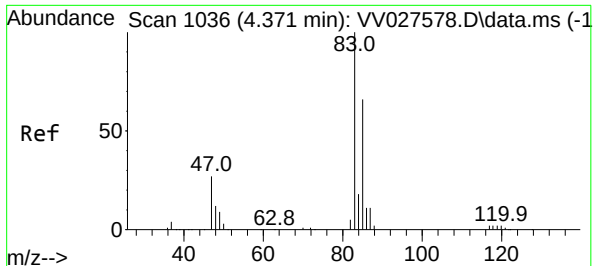
128 100

49 167.0 127.5 236.7

130 122.1 97.0 180.2

51 55.6 47.1 70.7





#25

Chloroform

Concen: 5.364 ug/L

RT: 4.365 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

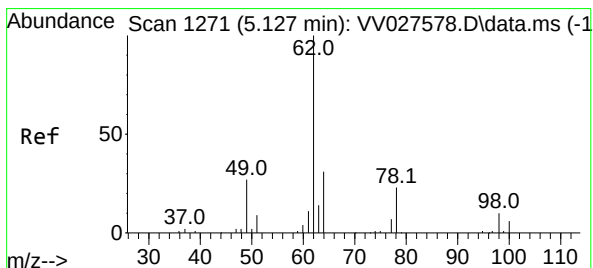
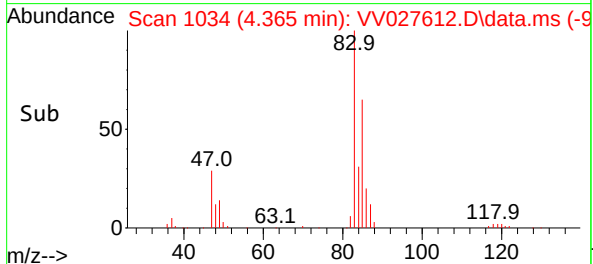
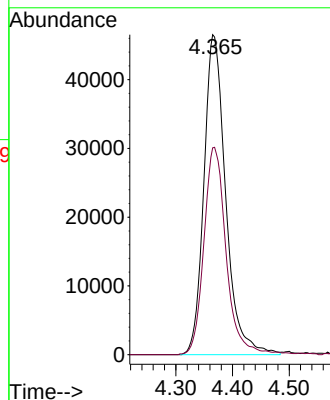
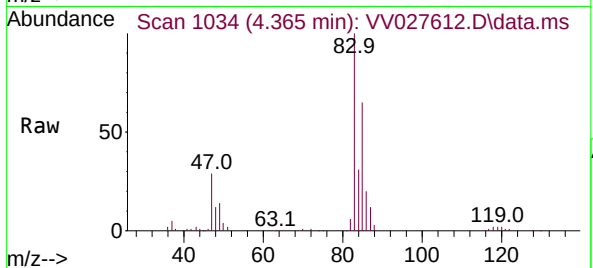
ClientSampleId :

Tgt Ion: 83 Resp: 124518

Ion Ratio Lower Upper

83 100

85 64.6 43.3 80.5



#27

1,2-Dichloroethane

Concen: 5.527 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV027612.D

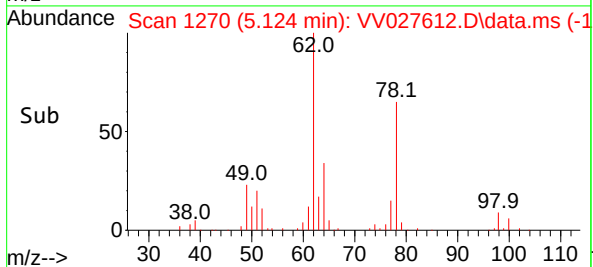
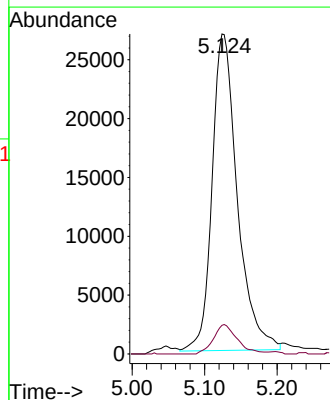
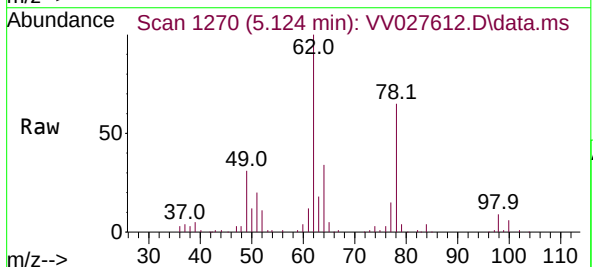
Acq: 31 Aug 2022 10:52

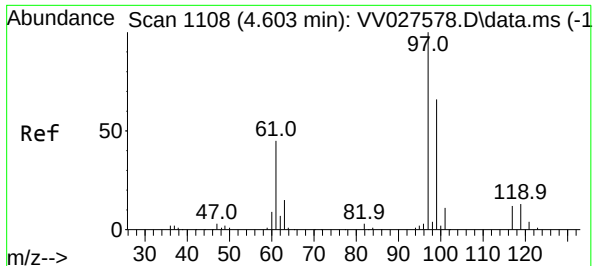
Tgt Ion: 62 Resp: 65194

Ion Ratio Lower Upper

62 100

98 8.9 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.101 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

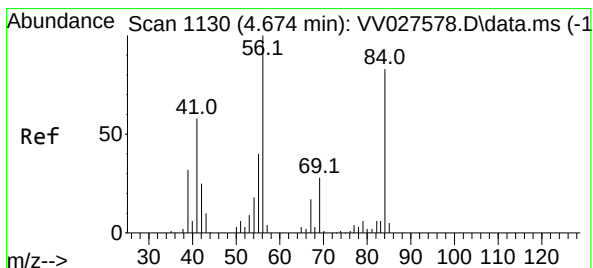
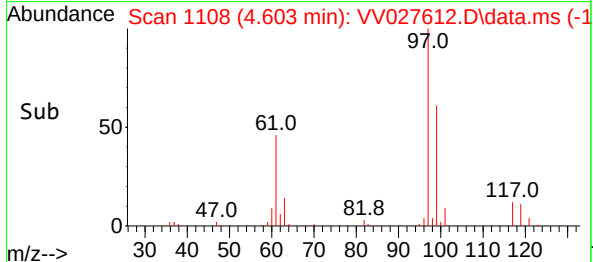
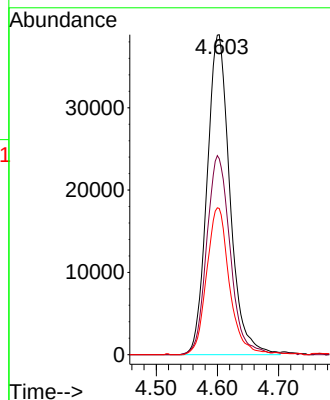
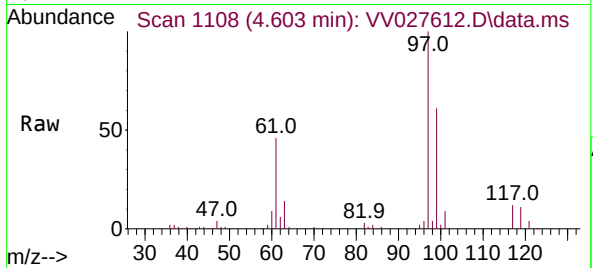
Tgt Ion: 97 Resp: 100962

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 45.7 35.9 53.9



#30

Cyclohexane

Concen: 3.998 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

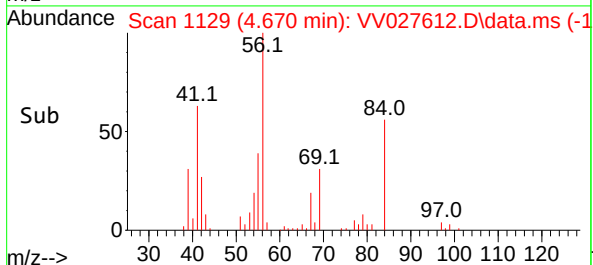
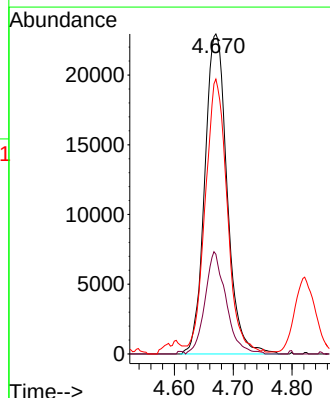
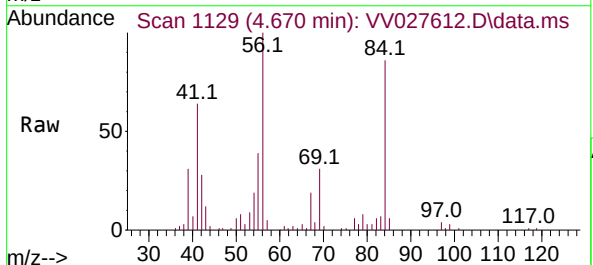
Tgt Ion: 56 Resp: 60732

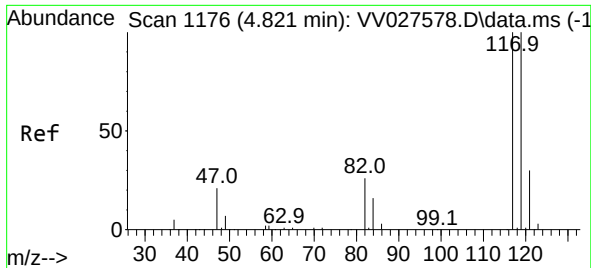
Ion Ratio Lower Upper

56 100

69 30.0 25.4 38.0

84 82.8 69.7 104.5

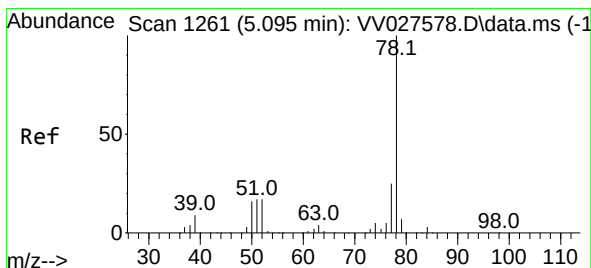
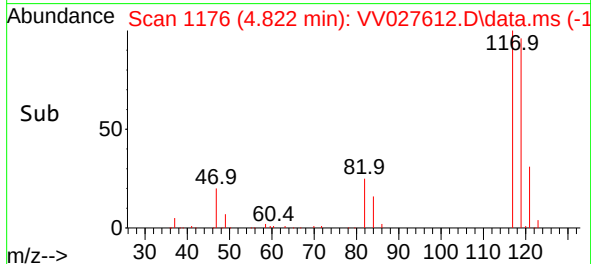
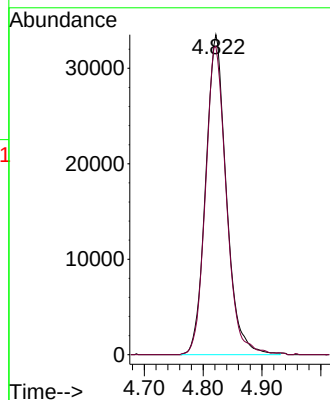
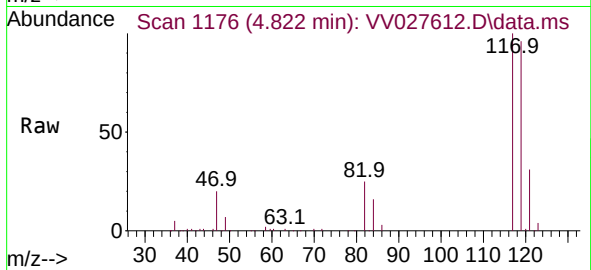




#31
Carbon tetrachloride
Concen: 4.764 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

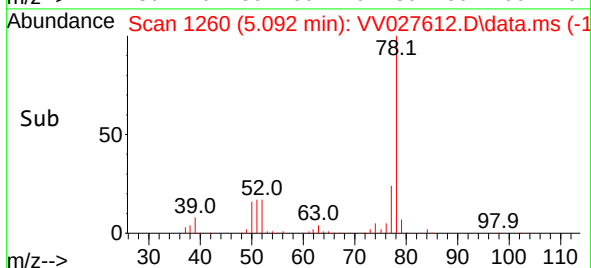
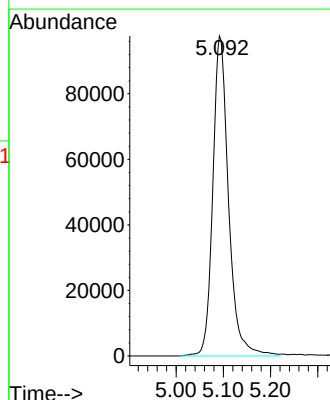
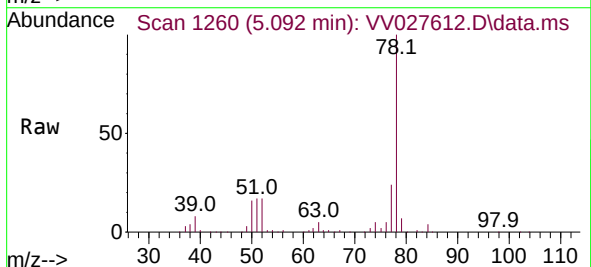
Instrument :
MSVOA_V
ClientSampleId :

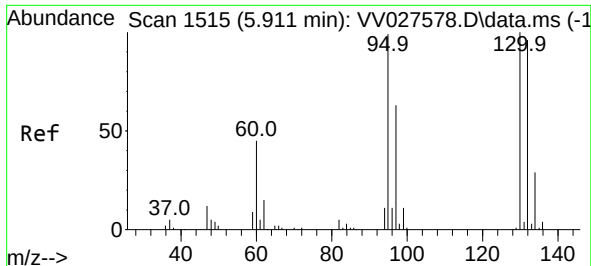
Tgt Ion:117 Resp: 81987
Ion Ratio Lower Upper
117 100
119 96.9 76.1 114.1



#33
Benzene
Concen: 5.277 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

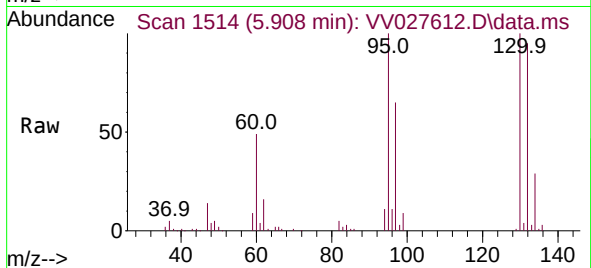
Tgt Ion: 78 Resp: 226215





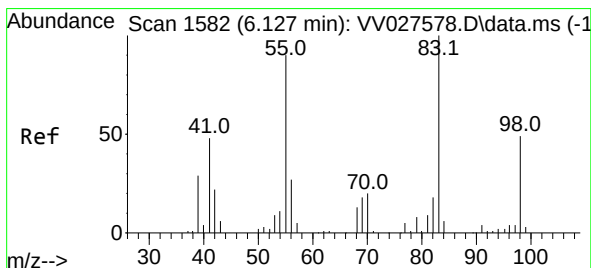
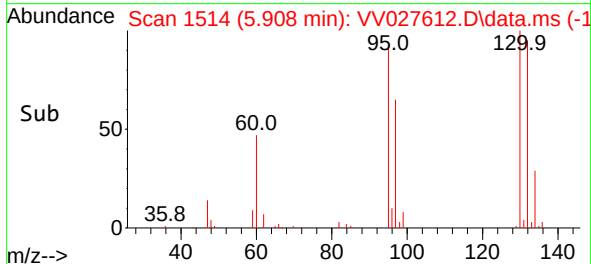
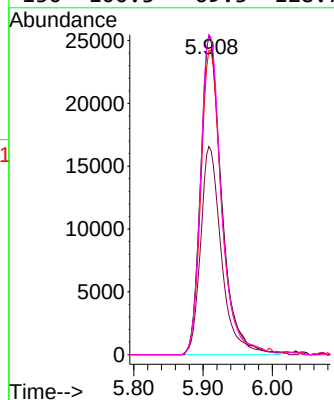
#34
Trichloroethene
Concen: 4.766 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 53764

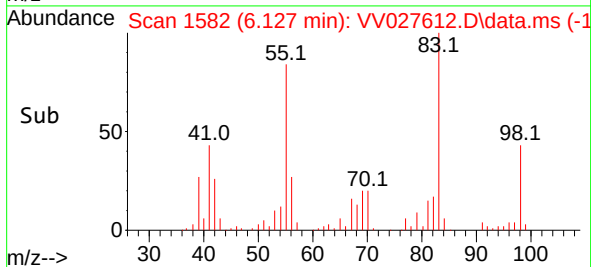
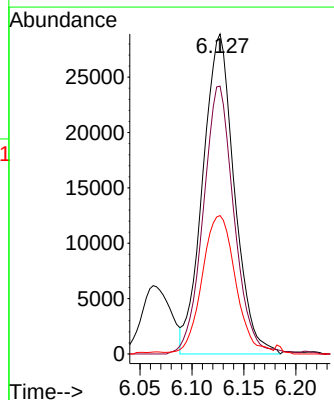
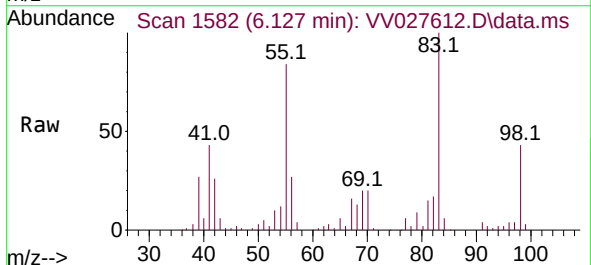
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.0	83.6
132	95.4	65.7	121.9
130	100.3	69.3	128.7

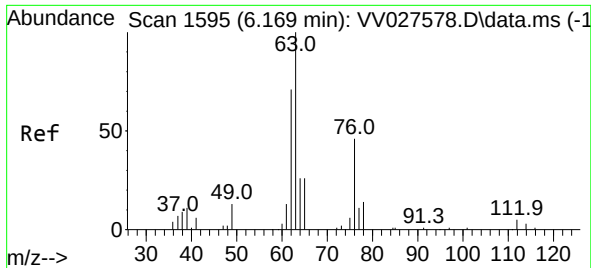


#35
Methylcyclohexane
Concen: 3.850 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion: 83 Resp: 61095

Ion	Ratio	Lower	Upper
83	100		
55	81.9	68.2	102.4
98	45.1	39.0	58.4





#37

1,2-Dichloropropane

Concen: 5.502 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

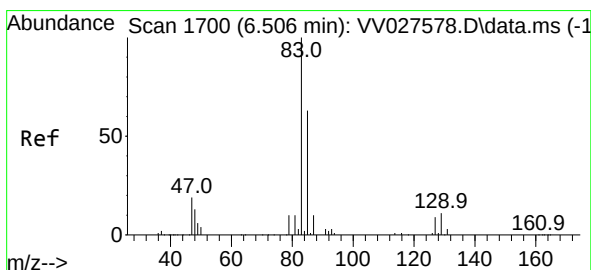
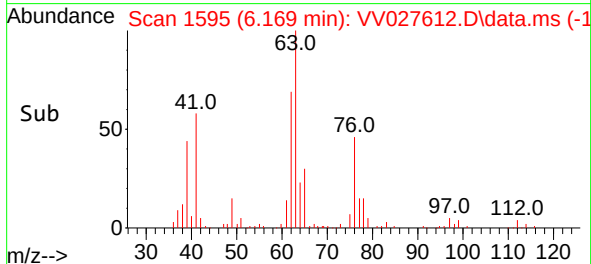
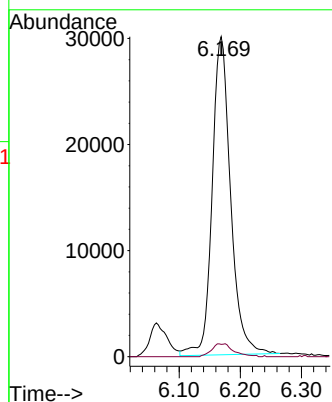
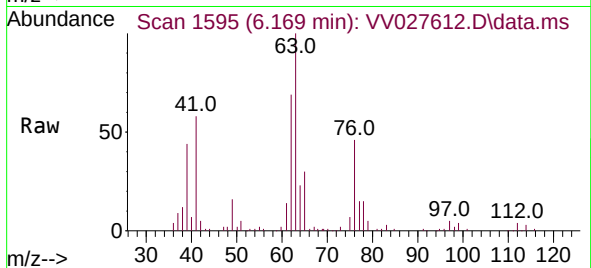
ClientSampleId :

Tgt Ion: 63 Resp: 62884

Ion Ratio Lower Upper

63 100

112 2.3 3.9 5.9#



#38

Bromodichloromethane

Concen: 5.496 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

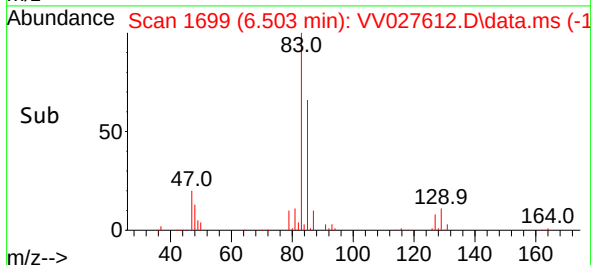
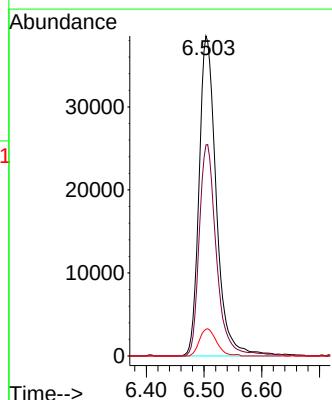
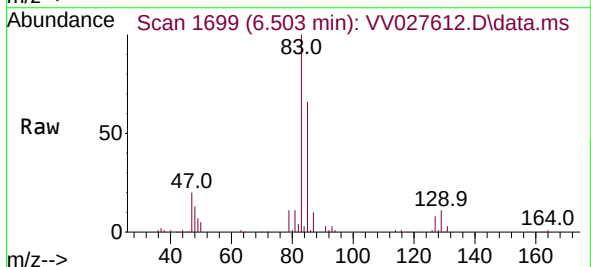
Tgt Ion: 83 Resp: 79641

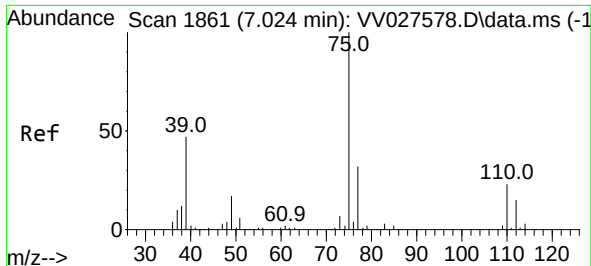
Ion Ratio Lower Upper

83 100

85 65.9 45.3 84.1

127 8.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.634 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

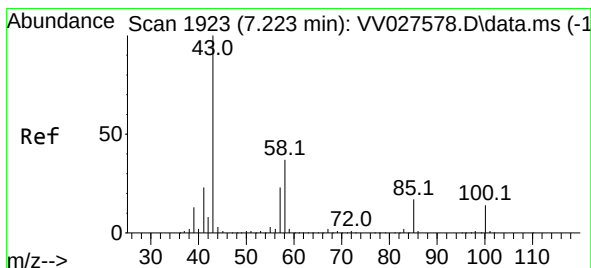
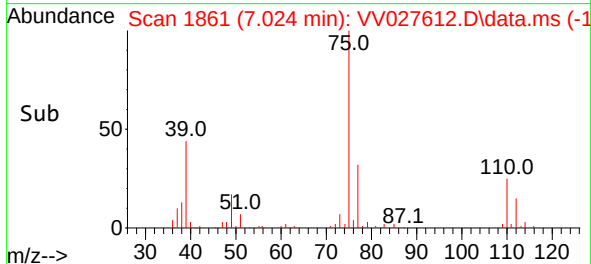
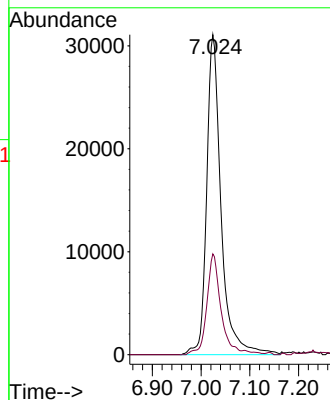
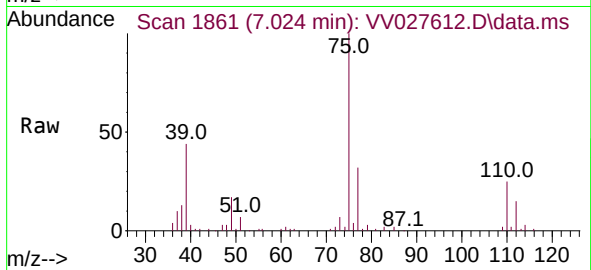
ClientSampleId :

Tgt Ion: 75 Resp: 63856

Ion Ratio Lower Upper

75 100

77 31.5 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 59.030 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

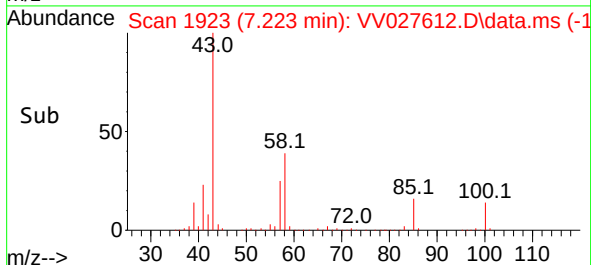
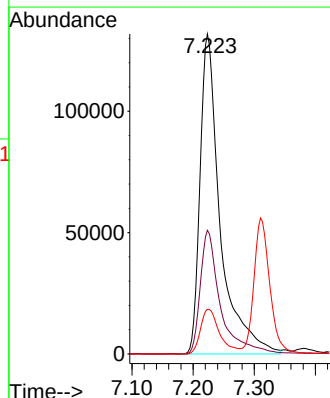
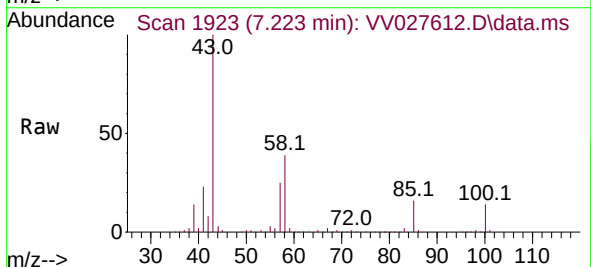
Tgt Ion: 43 Resp: 301433

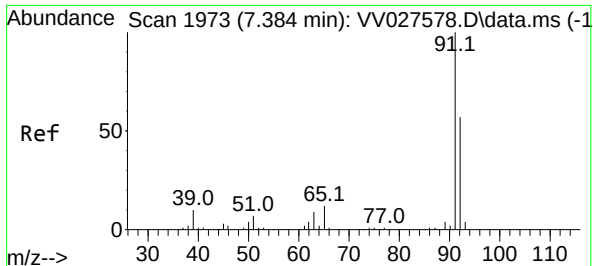
Ion Ratio Lower Upper

43 100

58 38.8 30.6 45.8

100 13.4 11.0 16.4





#42

Toluene

Concen: 5.366 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

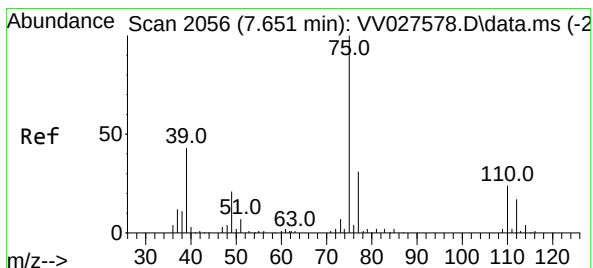
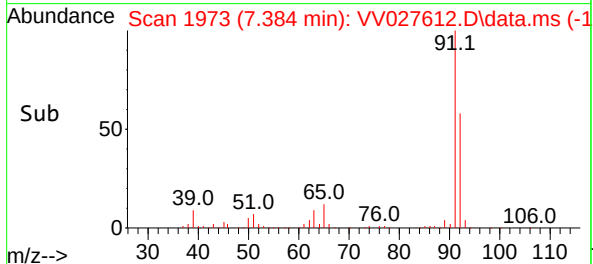
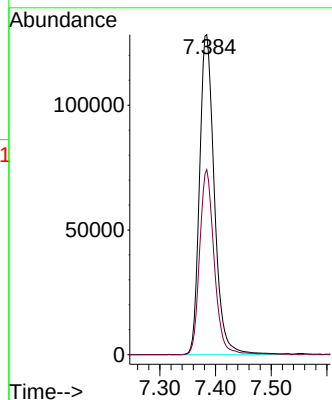
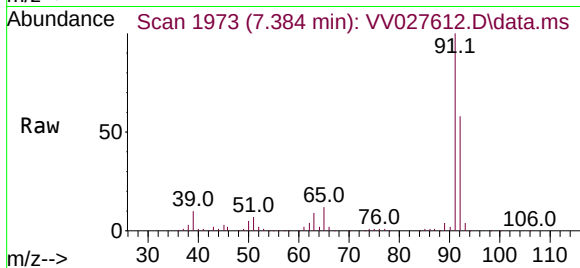
ClientSampleId :

Tgt Ion: 91 Resp: 237459

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.679 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV027612.D

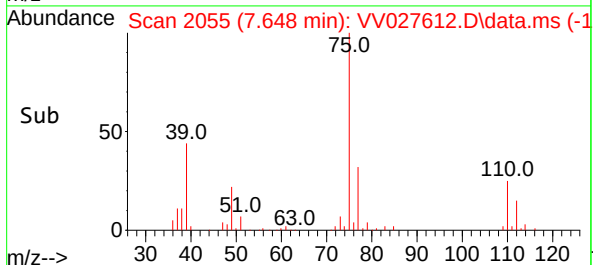
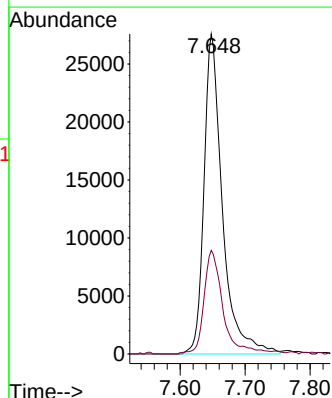
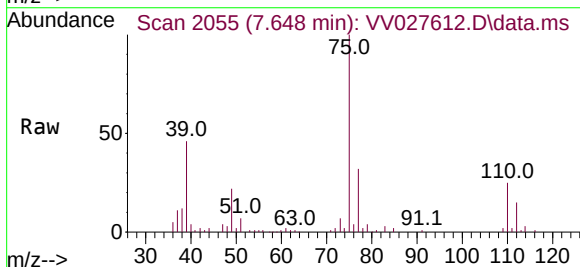
Acq: 31 Aug 2022 10:52

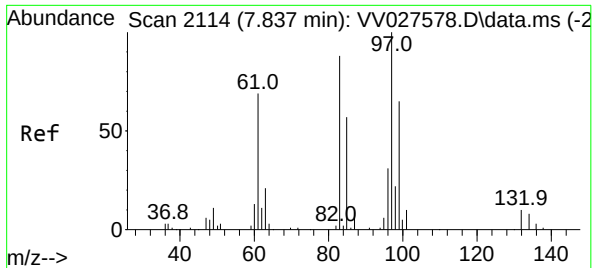
Tgt Ion: 75 Resp: 54515

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 5.805 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

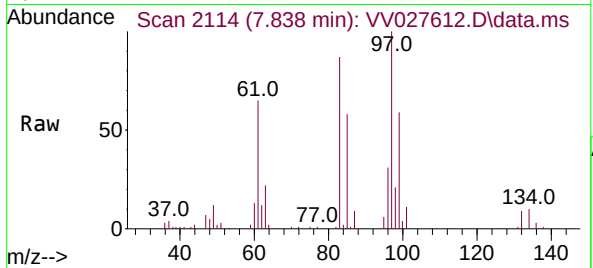
Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 42415

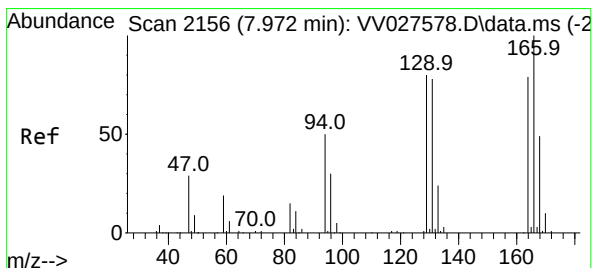
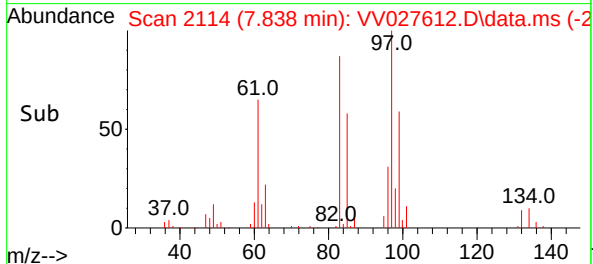
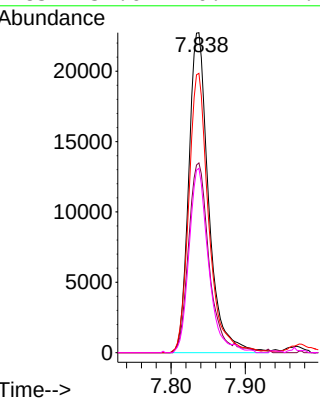
Ion Ratio Lower Upper

97 100

99 59.3 46.1 85.7

83 87.3 63.0 117.0

85 57.6 40.2 74.6



#47

Tetrachloroethene

Concen: 4.421 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Tgt Ion:164 Resp: 38854

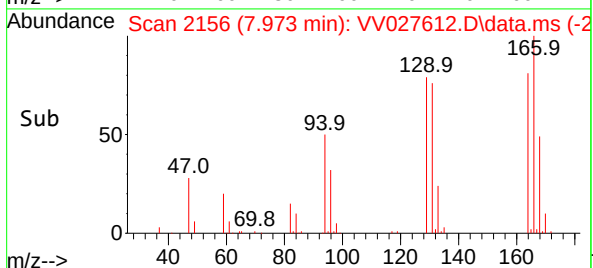
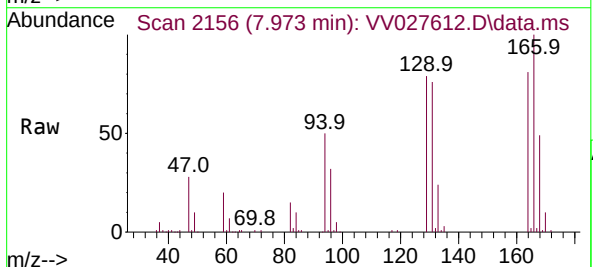
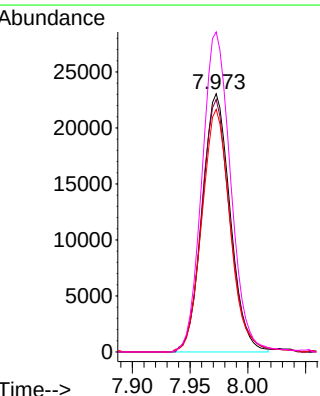
Ion Ratio Lower Upper

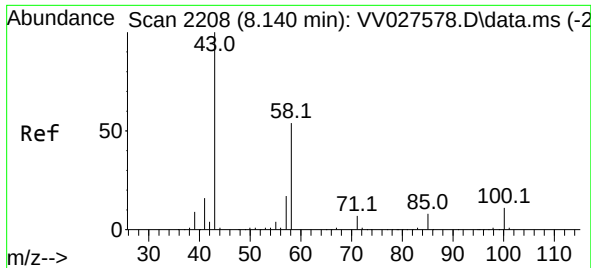
164 100

129 97.7 71.1 132.1

131 93.9 64.5 119.9

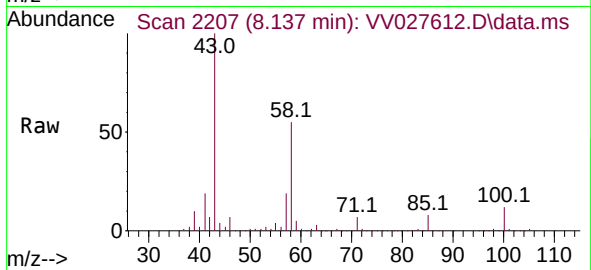
166 123.9 89.4 166.0



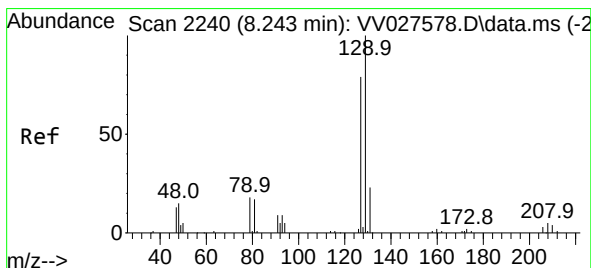
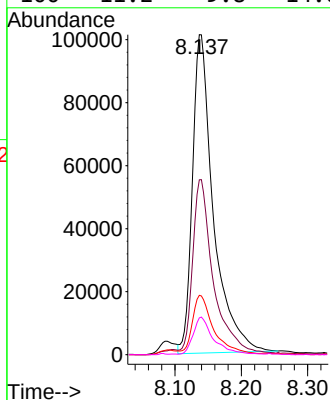
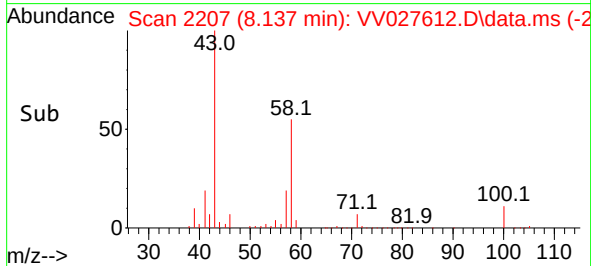


#48
2-Hexanone
Concen: 60.393 ug/L
RT: 8.137 min Scan# 211
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Instrument :
MSVOA_V
ClientSampleId :

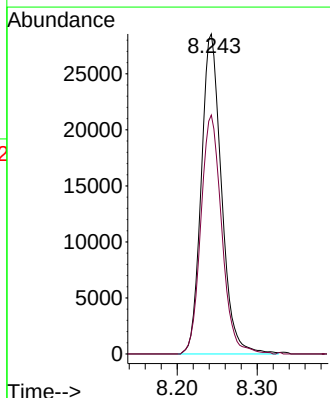
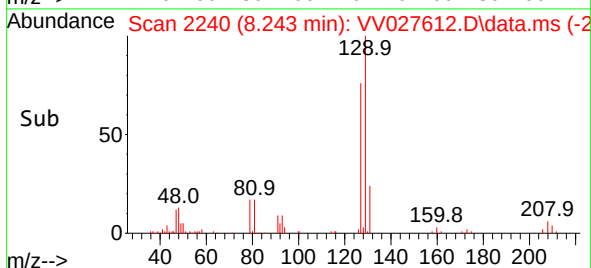
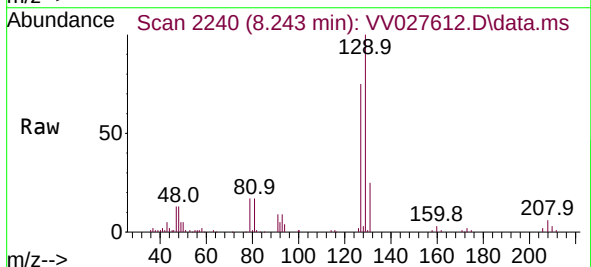


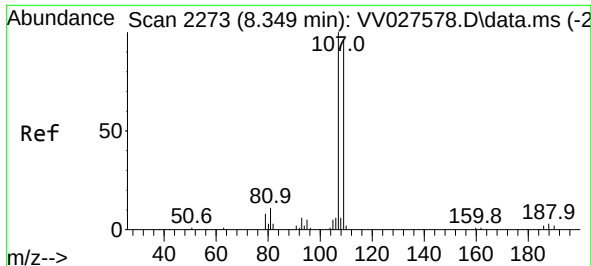
Tgt Ion: 43 Resp: 222221
Ion Ratio Lower Upper
43 100
58 53.6 41.3 61.9
57 18.4 14.9 22.3
100 11.2 9.8 14.6



#49
Dibromochloromethane
Concen: 5.597 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion:129 Resp: 50296
Ion Ratio Lower Upper
129 100
127 74.6 55.9 103.7





#50

1,2-Dibromoethane

Concen: 5.661 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027612.D

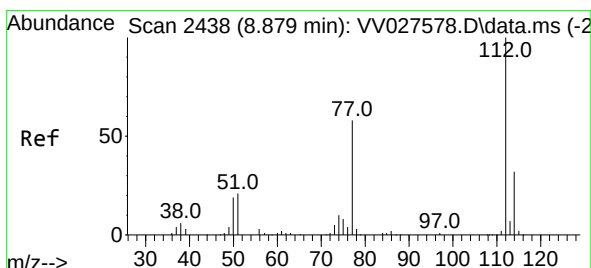
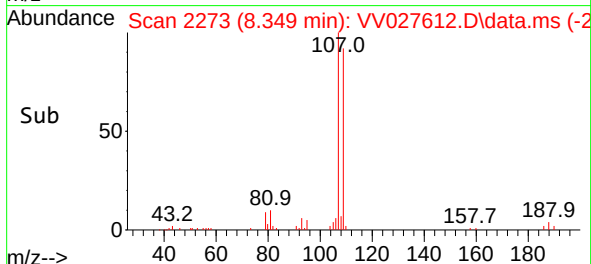
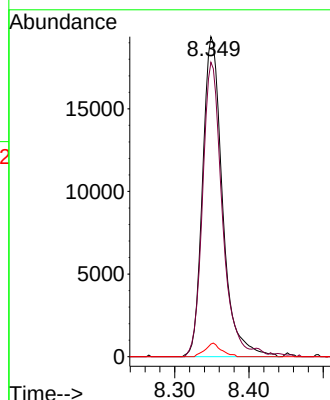
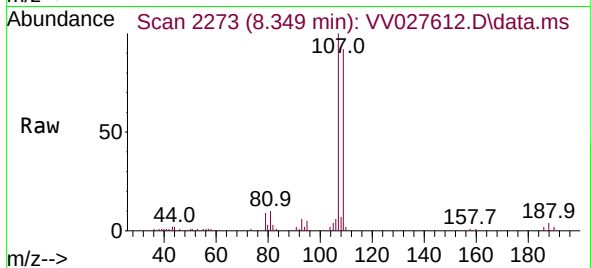
Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	36101
Ion	Ratio	Lower	Upper
107	100		
109	92.0	67.8	125.8
188	4.0	3.5	5.3



#51

Chlorobenzene

Concen: 5.039 ug/L

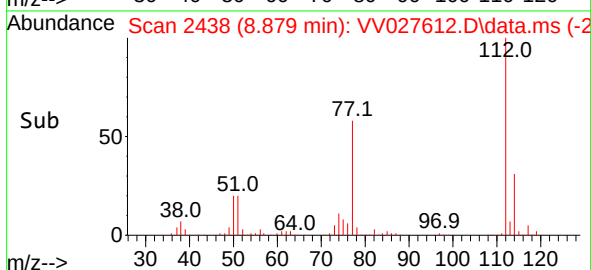
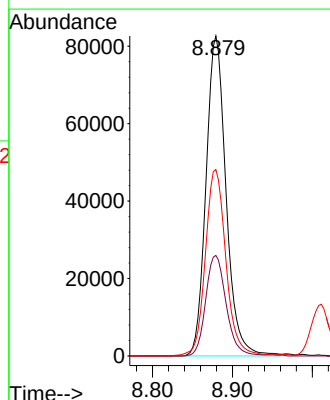
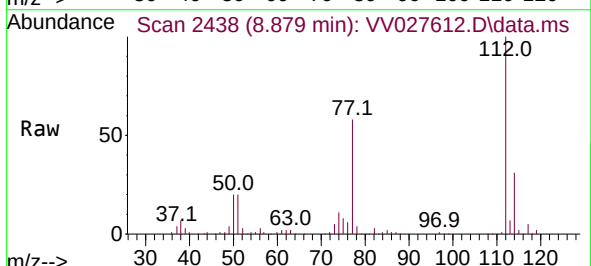
RT: 8.879 min Scan# 2438

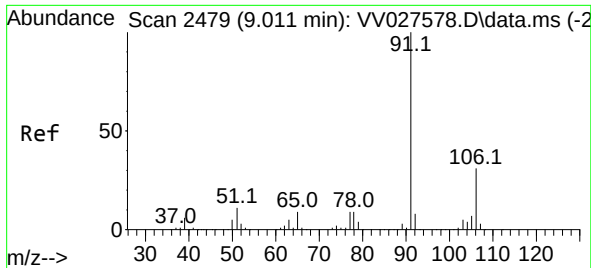
Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Tgt Ion:	112	Resp:	144295
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.7	42.1
77	58.3	46.2	69.4

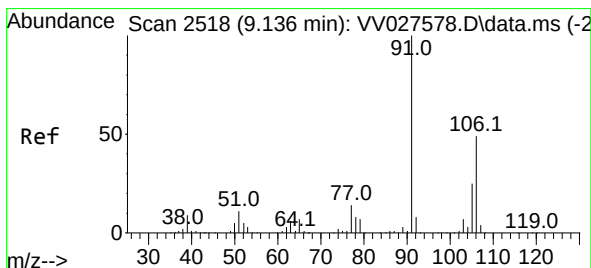
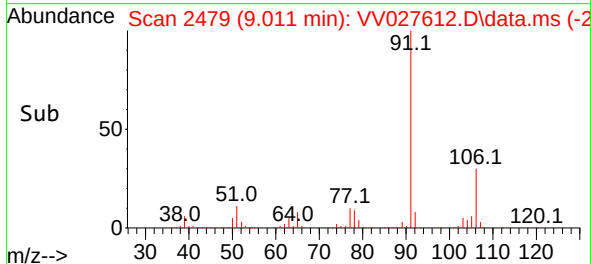
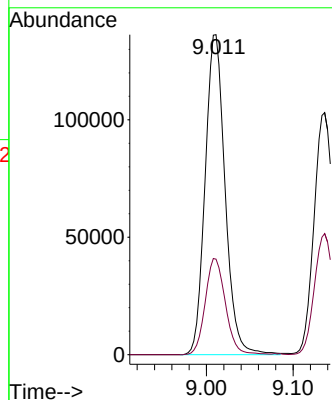
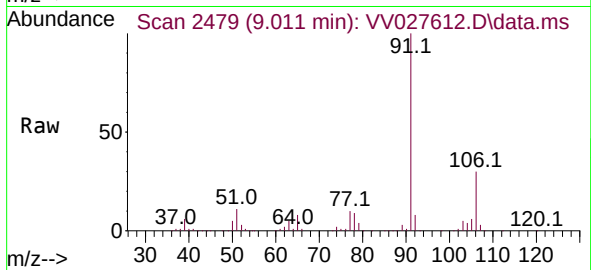




#52
Ethylbenzene
Concen: 4.831 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

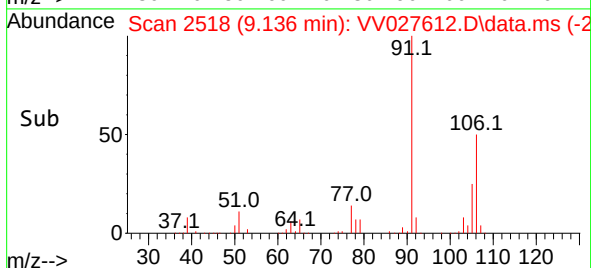
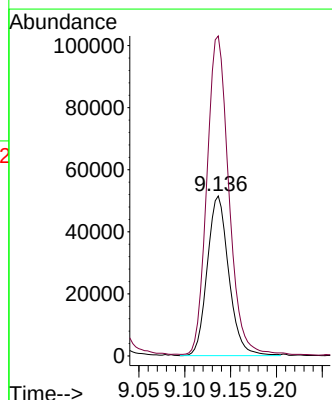
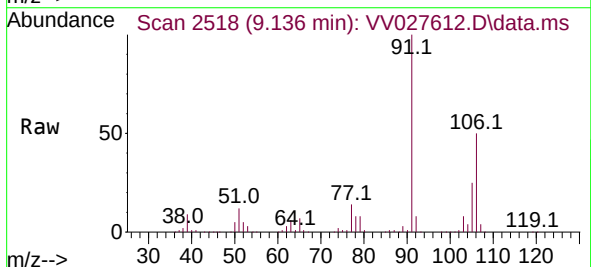
Instrument :
MSVOA_V
ClientSampleId :

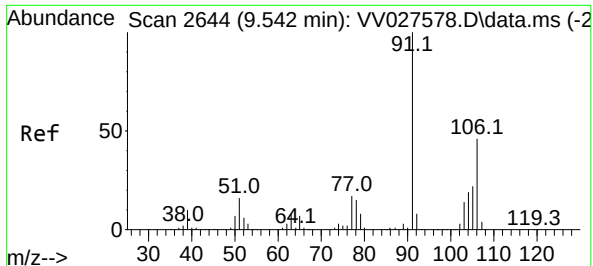
Tgt Ion: 91 Resp: 218192
Ion Ratio Lower Upper
91 100
106 29.8 21.4 39.8



#53
m,p-Xylene
Concen: 4.859 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion: 106 Resp: 83983
Ion Ratio Lower Upper
106 100
91 200.0 143.8 267.0

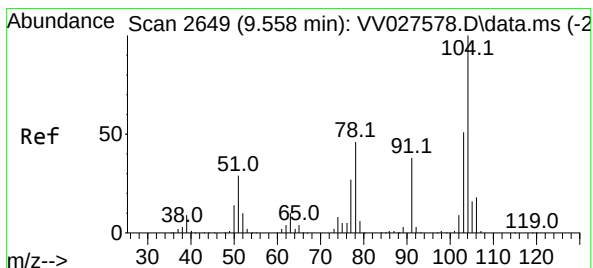
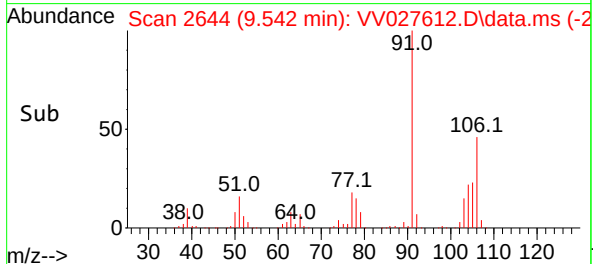
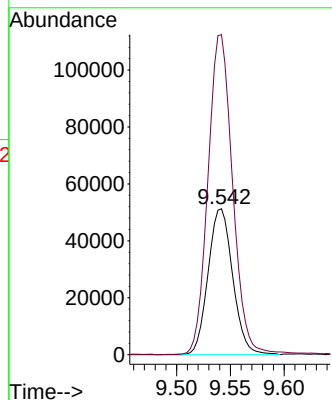
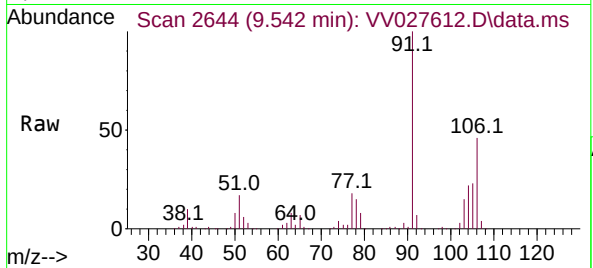




#54
o-Xylene
Concen: 4.872 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

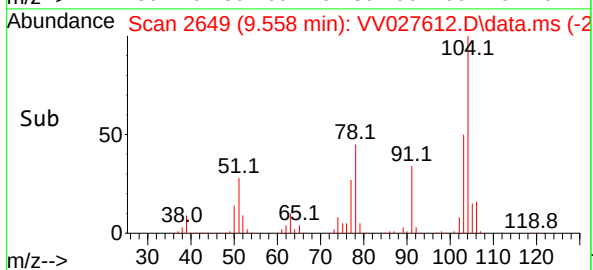
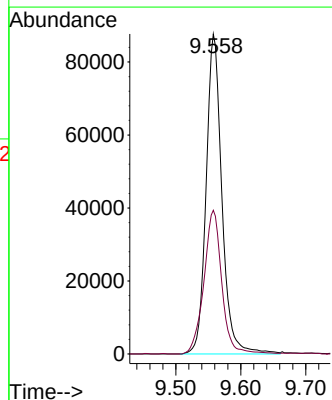
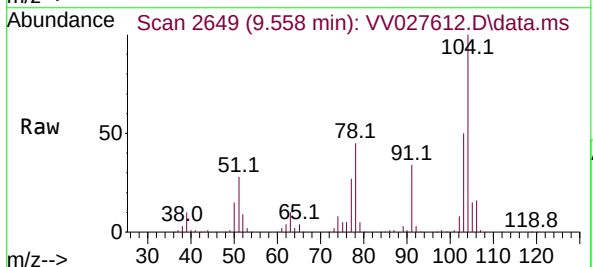
Instrument :
MSVOA_V
ClientSampleId :

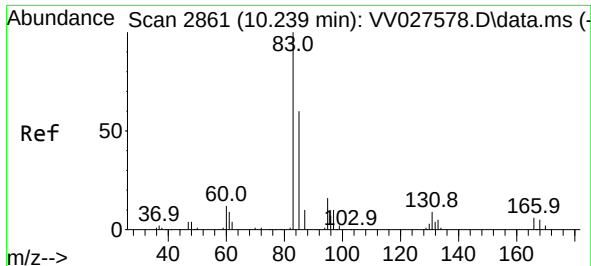
Tgt Ion:106 Resp: 81677
Ion Ratio Lower Upper
106 100
91 219.2 151.6 281.6



#55
Styrene
Concen: 5.204 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion:104 Resp: 148426
Ion Ratio Lower Upper
104 100
78 44.9 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.718 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

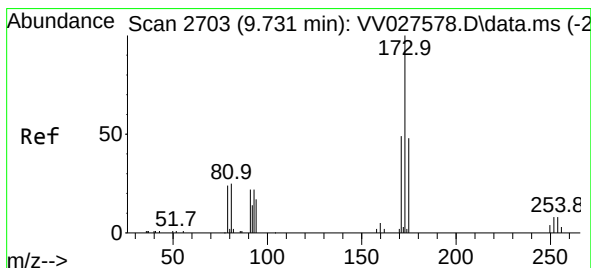
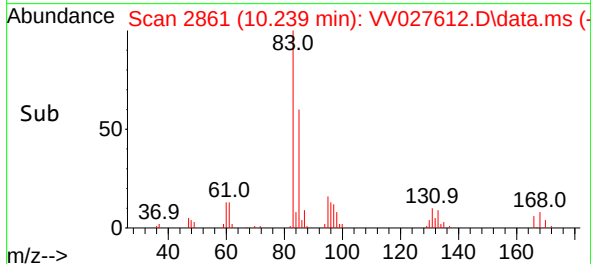
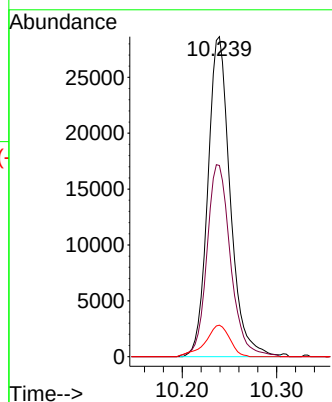
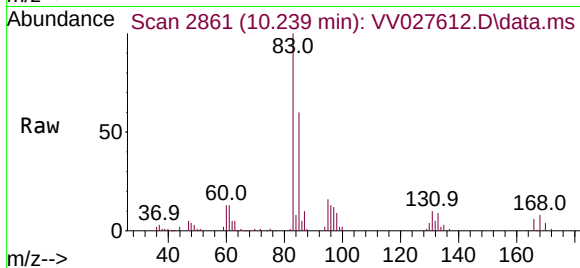
Tgt Ion: 83 Resp: 47058

Ion Ratio Lower Upper

83 100

85 59.8 44.1 81.9

131 9.8 7.3 10.9



#59

Bromoform

Concen: 5.592 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

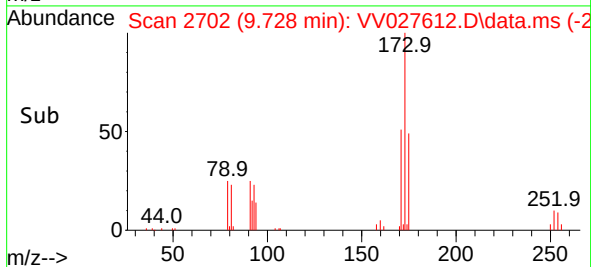
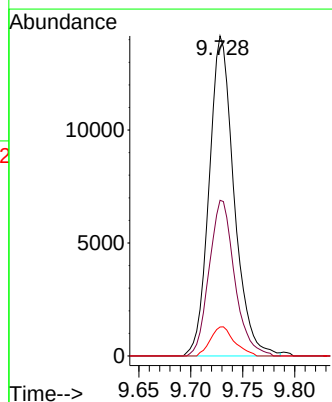
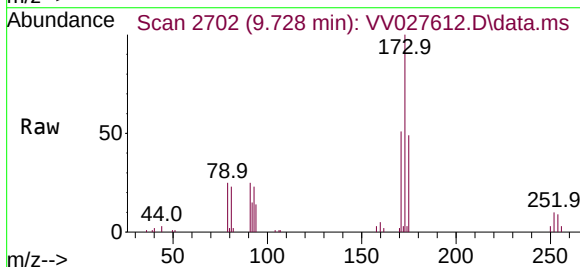
Tgt Ion: 173 Resp: 23669

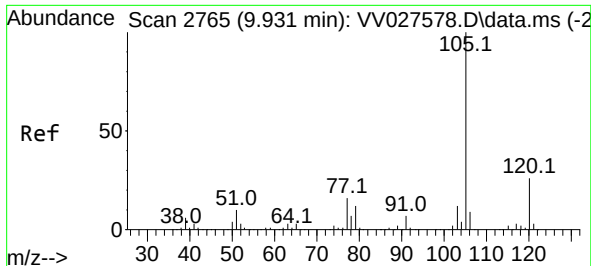
Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.6

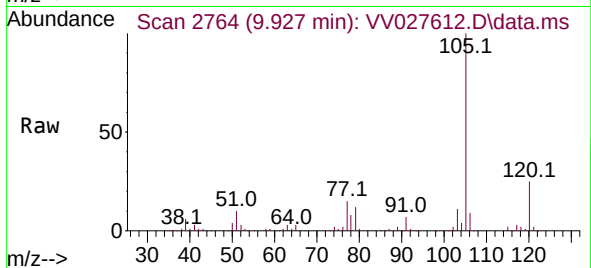
254 8.7 7.1 10.7



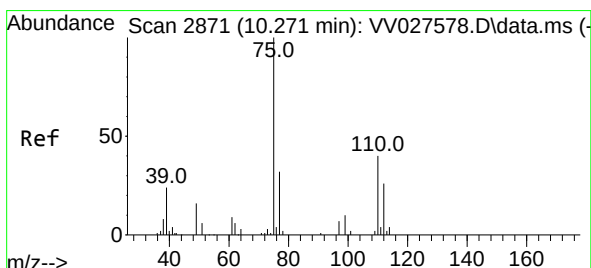
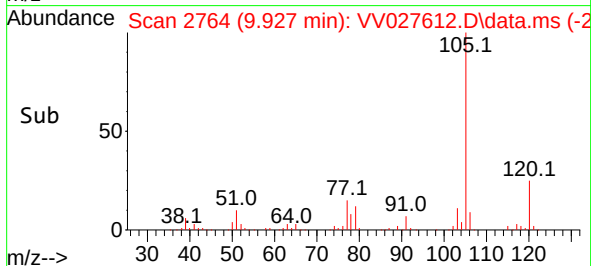
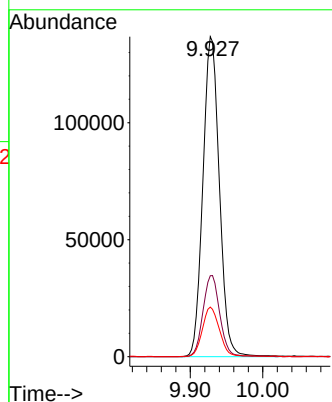


#60
Isopropylbenzene
Concen: 5.195 ug/L
RT: 9.927 min Scan# 215892
Delta R.T. -0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Instrument :
MSVOA_V
ClientSampleId :

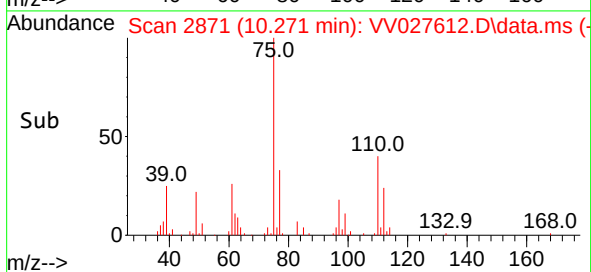
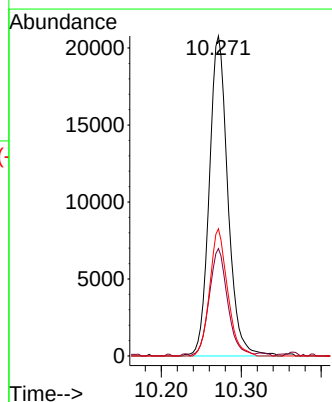
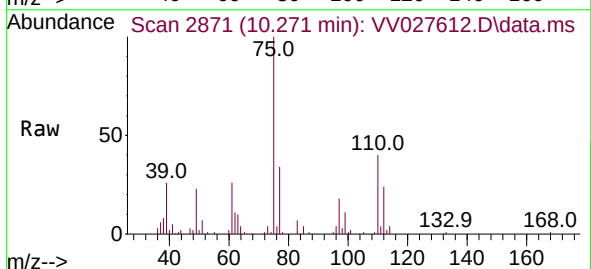


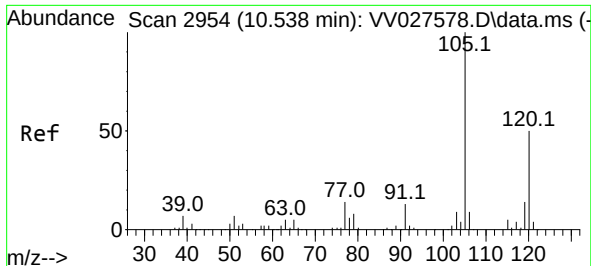
Tgt Ion:105 Resp: 215892
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 6.066 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion: 75 Resp: 33610
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2
110 38.3 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 4.747 ug/L

RT: 10.535 min Scan# 2954

Delta R.T. -0.003 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

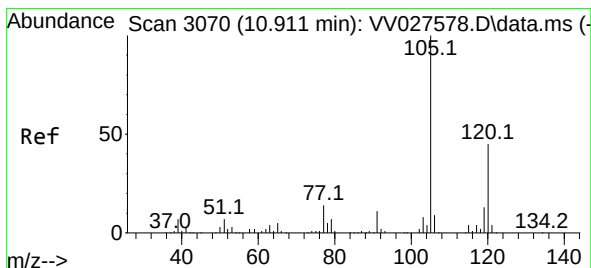
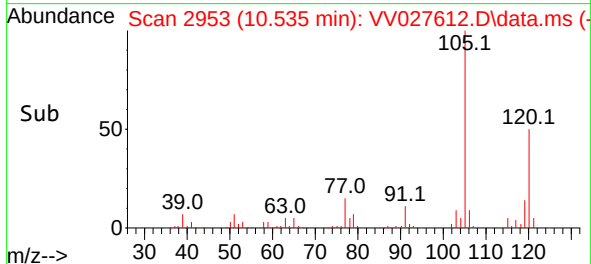
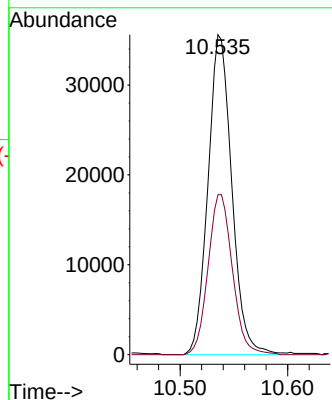
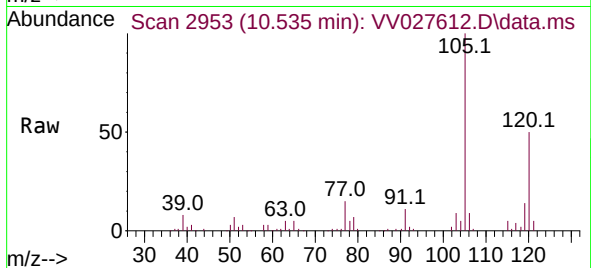
ClientSampleId :

Tgt Ion:105 Resp: 54705

Ion Ratio Lower Upper

105 100

120 51.1 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.912 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV027612.D

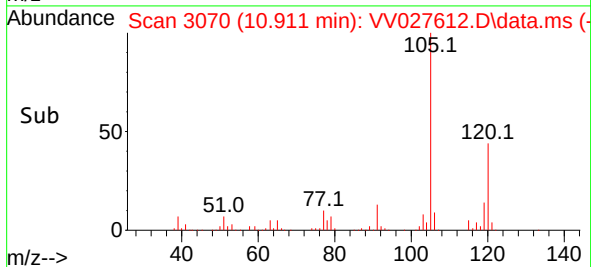
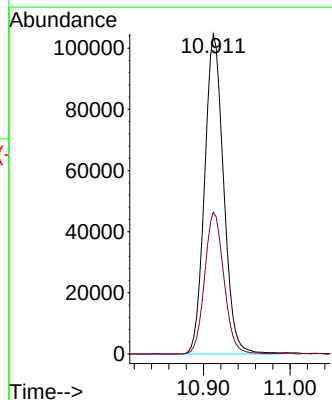
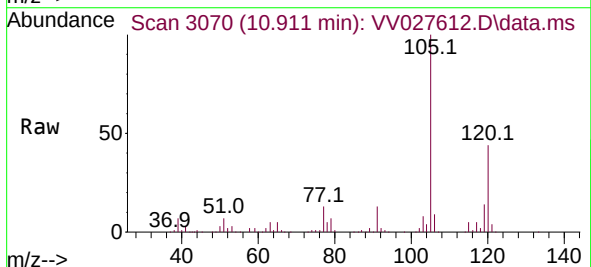
Acq: 31 Aug 2022 10:52

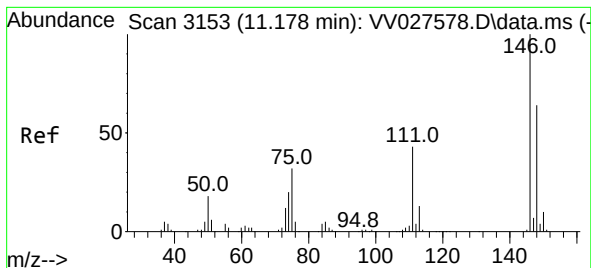
Tgt Ion:105 Resp: 159474

Ion Ratio Lower Upper

105 100

120 44.8 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 5.300 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

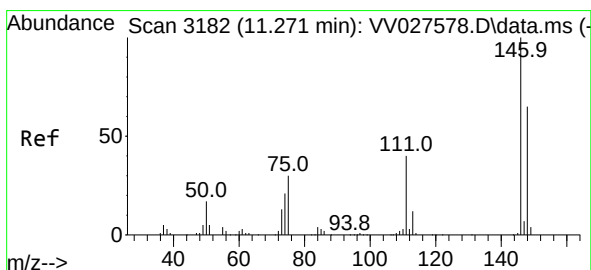
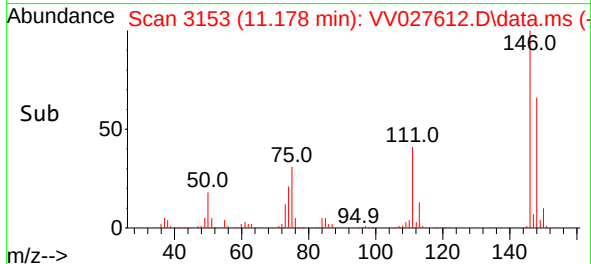
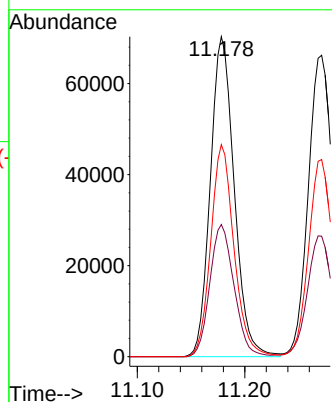
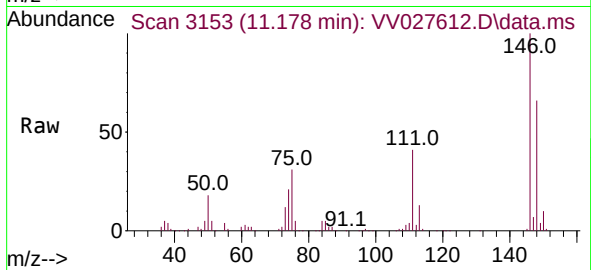
Tgt Ion:146 Resp: 108511

Ion Ratio Lower Upper

146 100

111 41.3 28.8 53.4

148 66.2 44.0 81.6



#65

1,4-Dichlorobenzene

Concen: 5.290 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

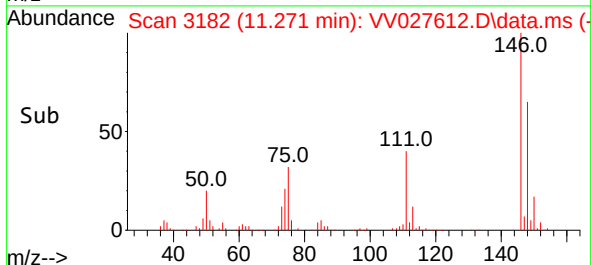
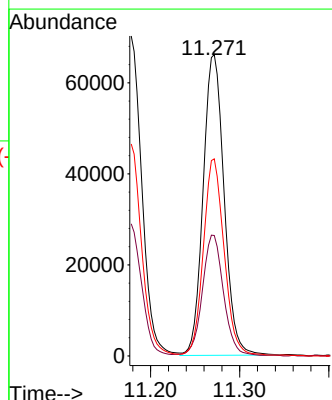
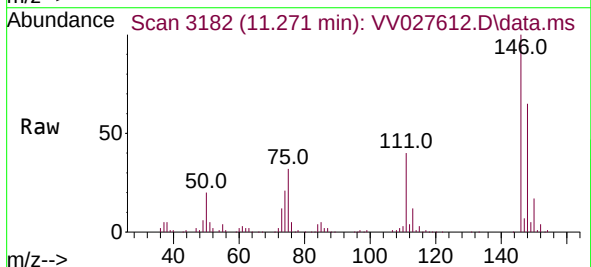
Tgt Ion:146 Resp: 107983

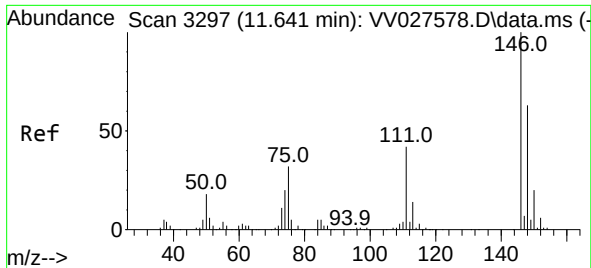
Ion Ratio Lower Upper

146 100

111 39.9 26.6 49.4

148 65.4 42.6 79.0

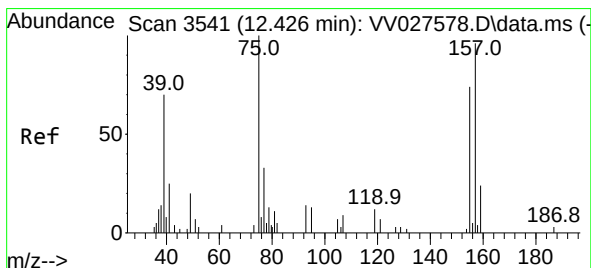
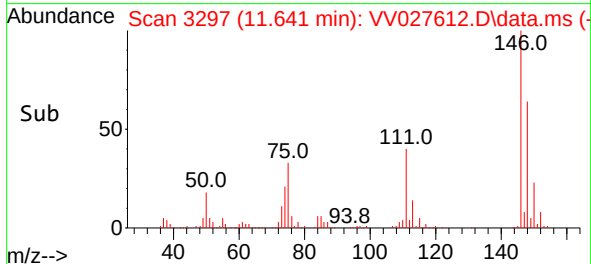
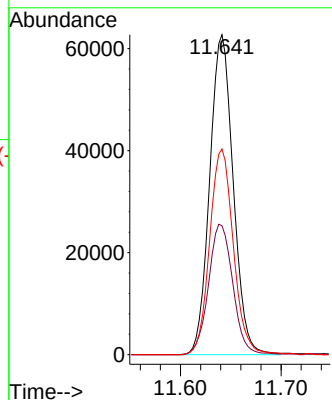
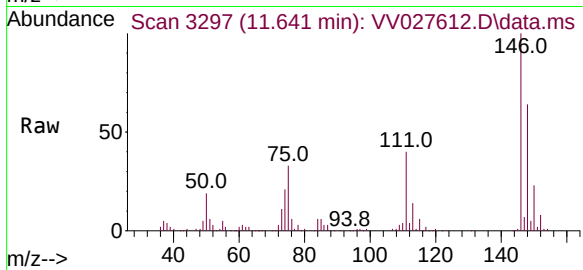




#67
1,2-Dichlorobenzene
Concen: 5.486 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

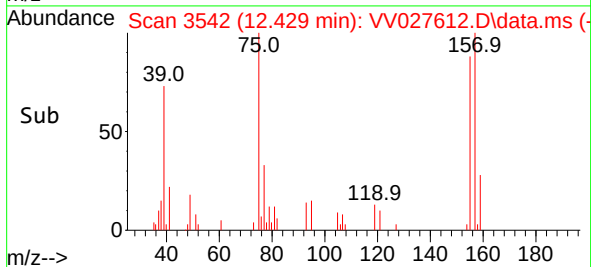
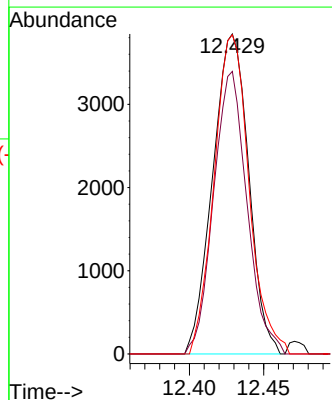
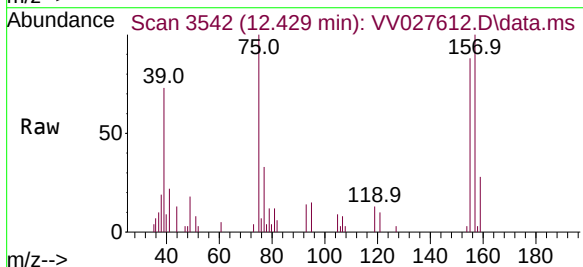
Instrument :
MSVOA_V
ClientSampleId :

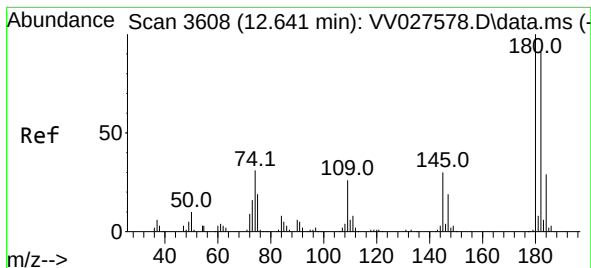
Tgt Ion:146 Resp: 101831
Ion Ratio Lower Upper
146 100
111 40.3 34.5 51.7
148 64.3 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 5.252 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV027612.D
Acq: 31 Aug 2022 10:52

Tgt Ion: 75 Resp: 6465
Ion Ratio Lower Upper
75 100
155 88.3 63.1 94.7
157 99.7 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 4.889 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 74712

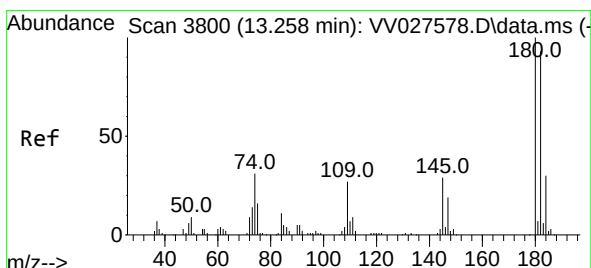
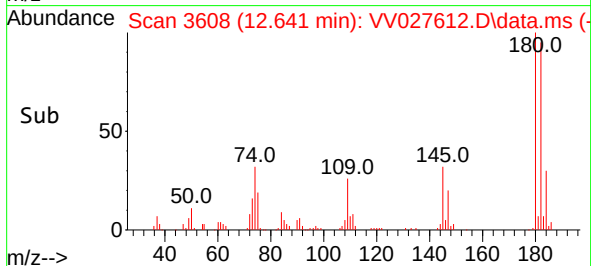
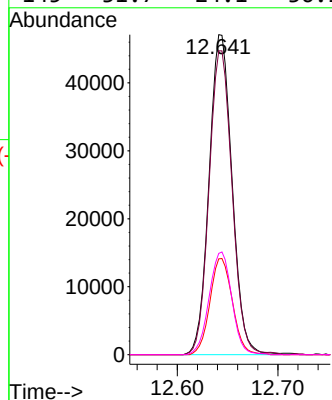
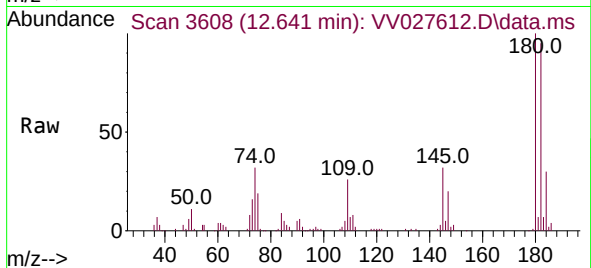
Ion Ratio Lower Upper

180 100

182 95.2 74.1 111.1

184 29.5 23.2 34.8

145 31.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.860 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

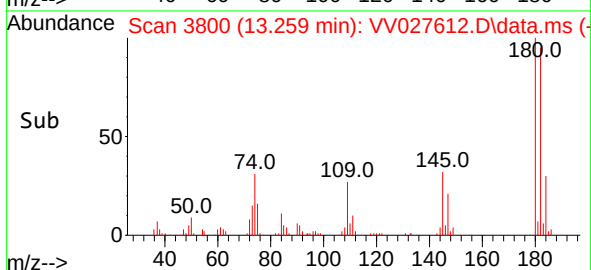
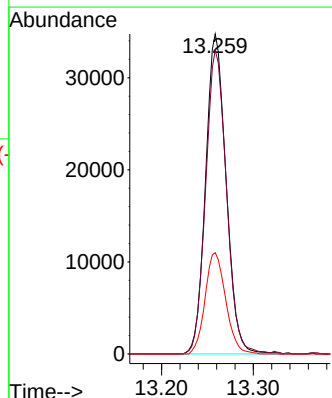
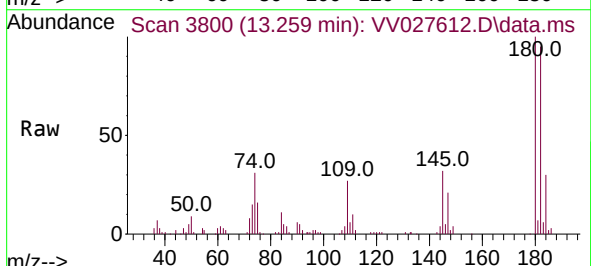
Tgt Ion:180 Resp: 53976

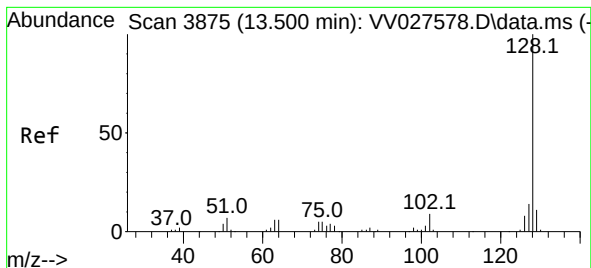
Ion Ratio Lower Upper

180 100

182 96.2 76.0 114.0

145 31.9 24.9 37.3





#71

Naphthalene

Concen: 4.775 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Instrument :

MSVOA_V

ClientSampleId :

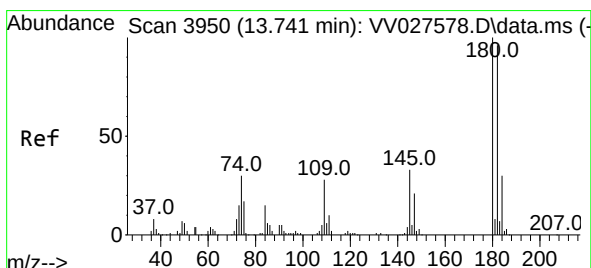
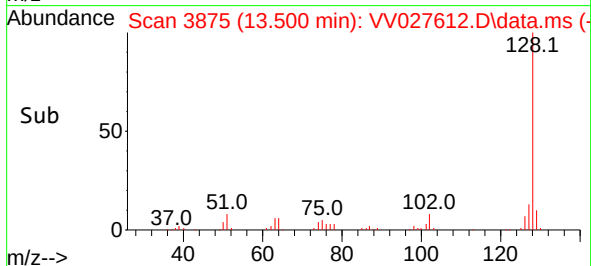
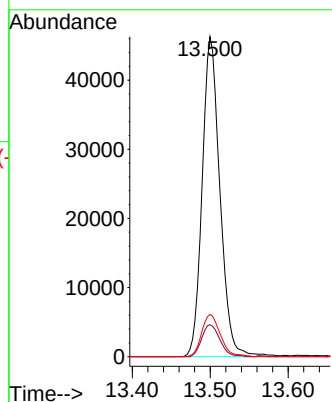
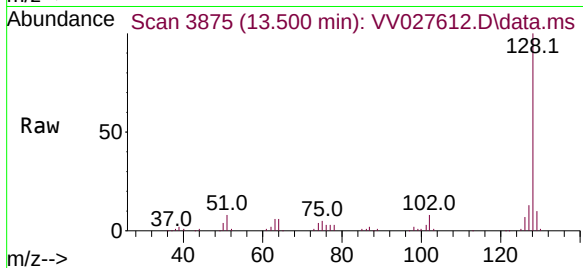
Tgt Ion:128 Resp: 73212

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

127 13.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.053 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027612.D

Acq: 31 Aug 2022 10:52

Tgt Ion:180 Resp: 49847

Ion Ratio Lower Upper

180 100

182 93.8 75.3 112.9

145 33.0 26.6 39.8

