

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103122\
 Data File : VW028772.D
 Acq On : 31 Oct 2022 11:20
 Operator : SY/MD
 Sample : VSTD00570
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 02:57:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 01 02:57:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	456428	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	411899	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	187668	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	22516	6.210	ug/L	0.00
7) Chloroethane-d5	1.564	69	18985	6.497	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	40603	6.353	ug/L	0.00
21) 2-Butanone-d5	4.027	46	228	0.072	ug/L	0.16
24) Chloroform-d	4.346	84	31395	4.885	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.030	65	20772	4.987	ug/L	0.00
32) Benzene-d6	5.047	84	64678	4.956	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	21738	5.059	ug/L	0.00
41) Toluene-d8	7.313	98	53494	4.583	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.625	79	6786	3.270	ug/L	0.00
47) 2-Hexanone-d5	8.095	63	16998	7.512	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.210	84	28601	4.901	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.619	152	19117	5.016	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	15948	4.675	ug/L	99
3) Chloromethane	1.240	50	26767	6.373	ug/L	95
5) Vinyl chloride	1.310	62	22990	5.580	ug/L	96
6) Bromomethane	1.519	94	13225	6.723	ug/L	96
8) Chloroethane	1.584	64	16479	6.520	ug/L	90
9) Trichlorofluoromethane	1.751	101	28958	5.757	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	16709	5.845	ug/L	98
12) 1,1-Dichloroethene	2.114	96	16537	5.894	ug/L	96
13) Acetone	2.169	43	34057	12.853	ug/L	96
14) Carbon disulfide	2.291	76	44196	5.098	ug/L	98
15) Methyl Acetate	2.433	43	23095	5.339	ug/L	96
16) Methylene chloride	2.503	84	23480	6.603	ug/L	93
17) trans-1,2-Dichloroethene	2.757	96	15287	4.849	ug/L	99
18) Methyl tert-butyl Ether	2.760	73	51520	4.518	ug/L	98
19) 1,1-Dichloroethane	3.185	63	33917	5.210	ug/L	98
20) cis-1,2-Dichloroethene	3.908	96	16176	4.555	ug/L #	92
22) 2-Butanone	3.867	43	304	0.091	ug/L	82
23) Bromochloromethane	4.243	128	7831	4.564	ug/L	93
25) Chloroform	4.371	83	30761	4.905	ug/L	97
27) 1,2-Dichloroethane	5.130	62	23785	4.874	ug/L #	94
29) Cyclohexane	4.674	56	30870	5.108	ug/L	97
30) 1,1,1-Trichloroethane	4.603	97	24170	4.581	ug/L	96
31) Carbon tetrachloride	4.822	117	18907	4.309	ug/L	98
33) Benzene	5.095	78	65532	4.764	ug/L	100
34) Trichloroethene	5.911	95	16517	4.921	ug/L	98
35) Methylcyclohexane	6.127	83	28319	4.810	ug/L	98
37) 1,2-Dichloropropane	6.172	63	18332	4.958	ug/L	98
38) Bromodichloromethane	6.506	83	20672	4.400	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	23267	4.063	ug/L	93
40) 4-Methyl-2-pentanone	7.227	43	58982	9.347	ug/L	97
42) Toluene	7.384	91	67538	4.778	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	20342	3.720	ug/L	94

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 ClientSampleId :

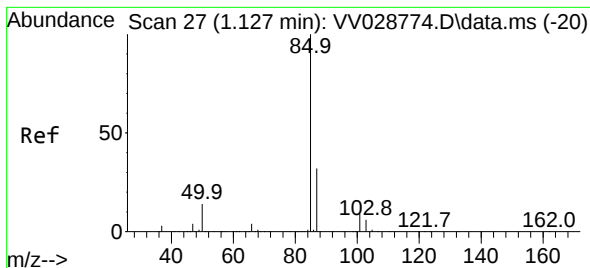
Quant Time: Nov 01 02:57:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 01 02:57:26 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.834	97	16489	4.883	ug/L	98
46) Tetrachloroethene	7.969	164	11253	4.686	ug/L	97
48) 2-Hexanone	8.143	43	44252	9.094	ug/L	97
49) Dibromochloromethane	8.243	129	13581	3.858	ug/L	98
50) 1,2-Dibromoethane	8.349	107	15588	4.489	ug/L	99
51) Chlorobenzene	8.876	112	43663	4.964	ug/L	98
52) Ethylbenzene	9.008	91	71084	4.621	ug/L	100
53) m,p-Xylene	9.133	106	26069	4.500	ug/L	92
54) o-Xylene	9.538	106	25612	4.426	ug/L	99
55) Styrene	9.558	104	42259	4.250	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.236	83	27259	4.655	ug/L #	95
59) Bromoform	9.725	173	8307	3.736	ug/L #	95
60) Isopropylbenzene	9.924	105	67452	4.944	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	23076	5.664	ug/L	100
62) 1,3,5-Trimethylbenzene	10.532	105	53503	4.555	ug/L	97
63) 1,2,4-Trimethylbenzene	10.908	105	53475	4.585	ug/L	100
64) 1,3-Dichlorobenzene	11.175	146	28401	4.802	ug/L	97
65) 1,4-Dichlorobenzene	11.265	146	30496	5.162	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	29163	4.888	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.419	75	5112	4.260	ug/L	90
69) 1,3,5-Trichlorobenzene	12.638	180	20259	4.571	ug/L	98
70) 1,2,4-trichlorobenzene	13.255	180	16240	4.212	ug/L	100
71) Naphthalene	13.493	128	54178	4.462	ug/L	98
72) 1,2,3-Trichlorobenzene	13.734	180	16318	4.285	ug/L	91

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

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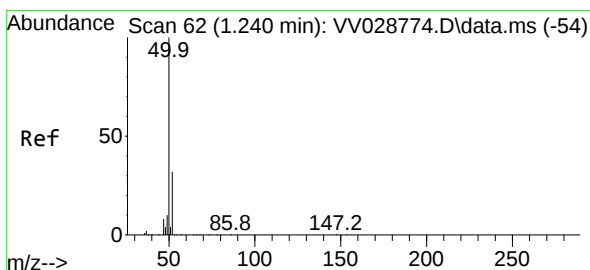
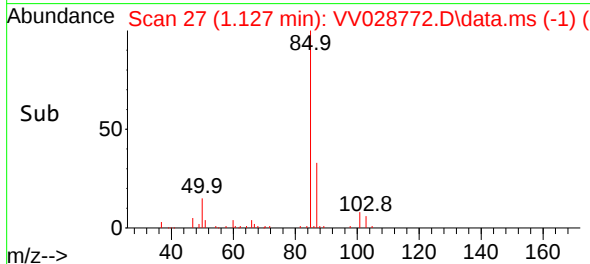
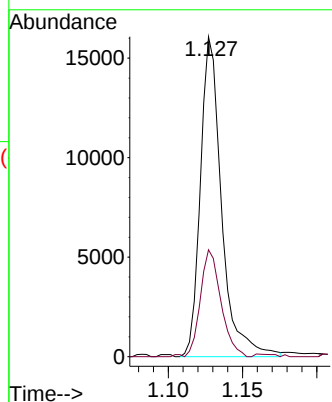
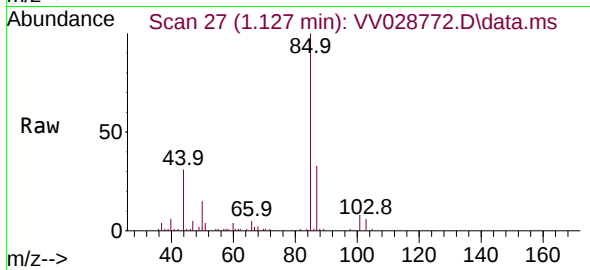




#2
Dichlorodifluoromethane
Concen: 4.675 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

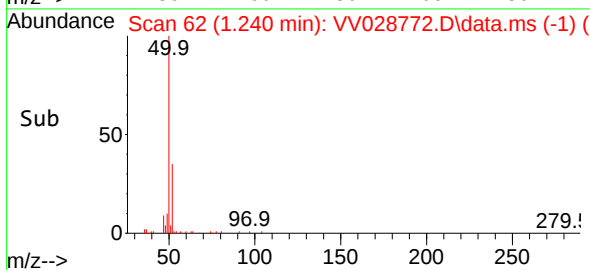
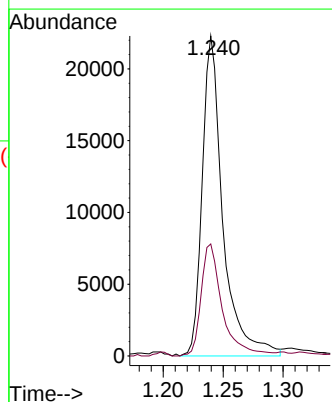
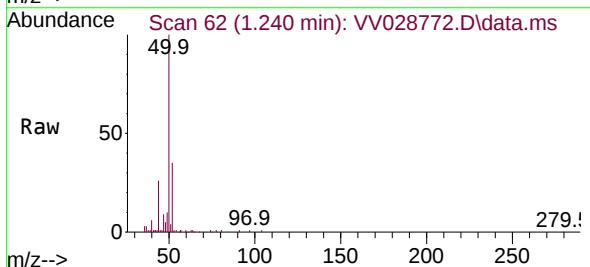
Instrument :
MSVOA_V
ClientSampleId :

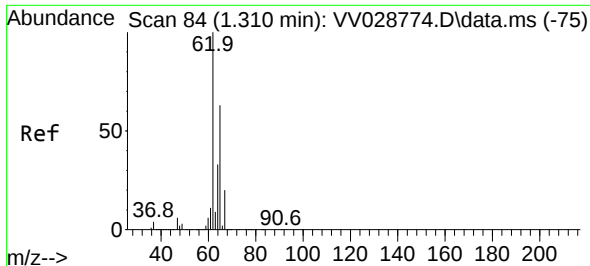
Tgt Ion: 85 Resp: 15948
Ion Ratio Lower Upper
85 100
87 32.2 25.4 38.0



#3
Chloromethane
Concen: 6.373 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

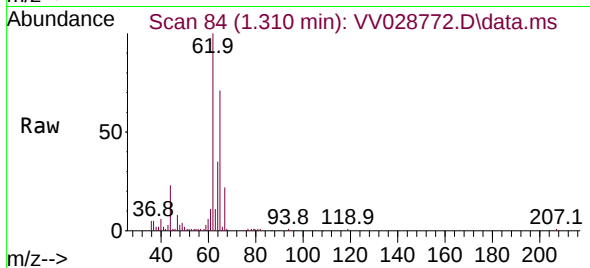
Tgt Ion: 50 Resp: 26767
Ion Ratio Lower Upper
50 100
52 35.0 22.7 42.1



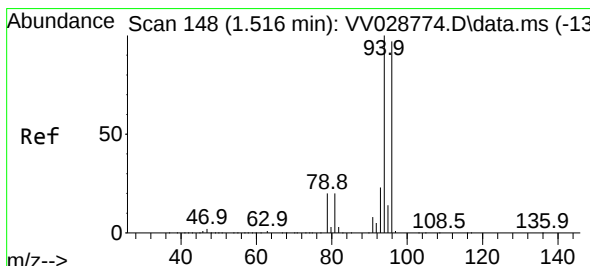
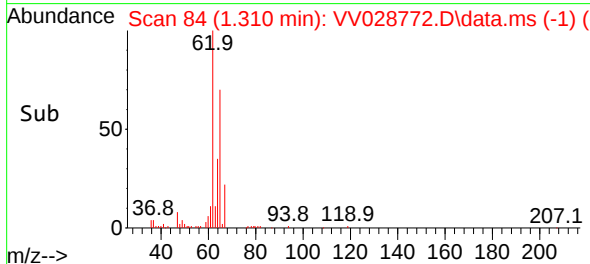
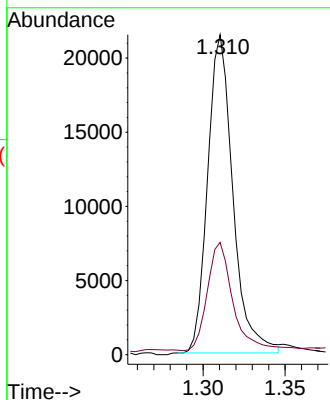


#5
 Vinyl chloride
 Concen: 5.580 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV028772.D
 Acq: 31 Oct 2022 11:20

Instrument :
 MSVOA_V
 ClientSampleId :

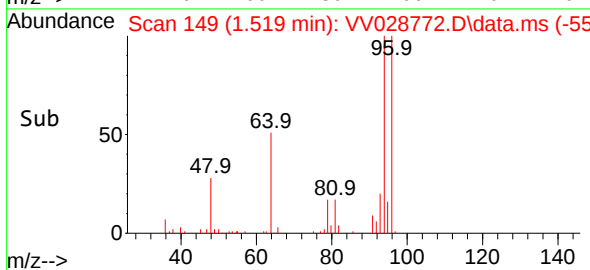
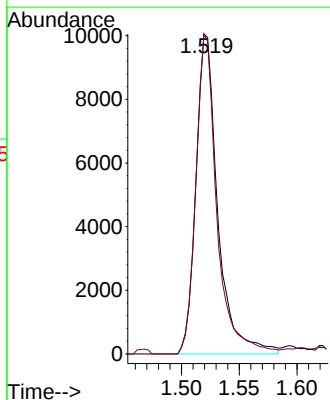
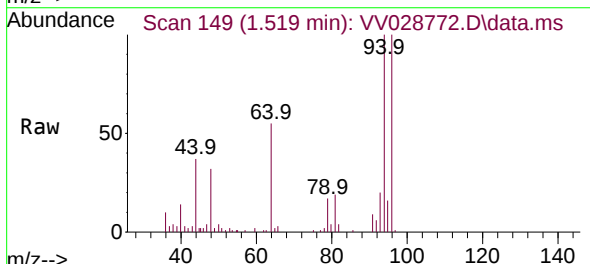


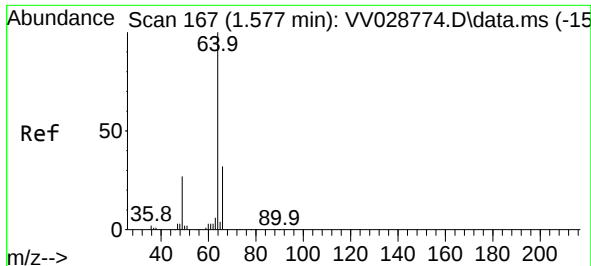
Tgt Ion: 62 Resp: 22990
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.2 43.0



#6
 Bromomethane
 Concen: 6.723 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.003 min
 Lab File: VV028772.D
 Acq: 31 Oct 2022 11:20

Tgt Ion: 94 Resp: 13225
 Ion Ratio Lower Upper
 94 100
 96 100.0 67.6 125.6

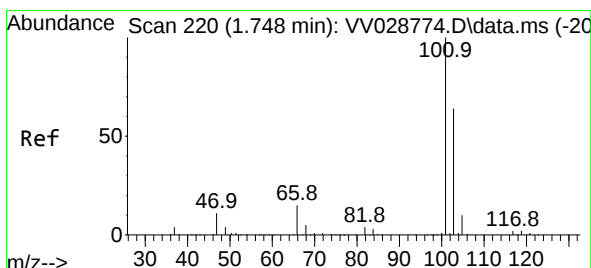
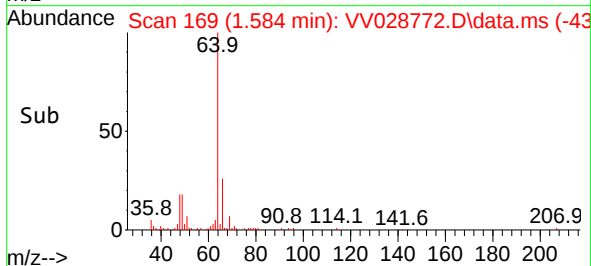
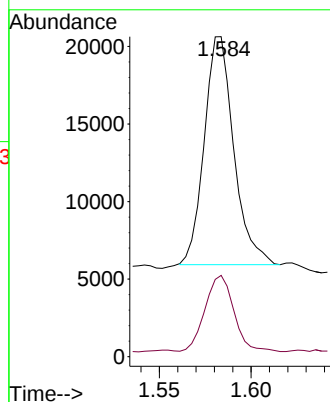
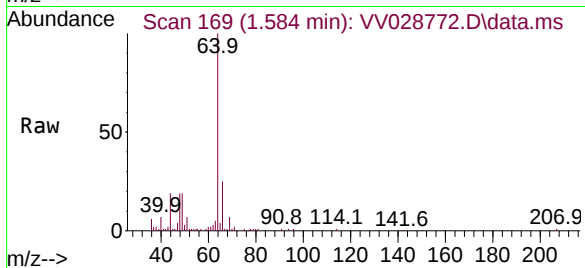




#8
Chloroethane
Concen: 6.520 ug/L
RT: 1.584 min Scan# 167
Delta R.T. 0.006 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

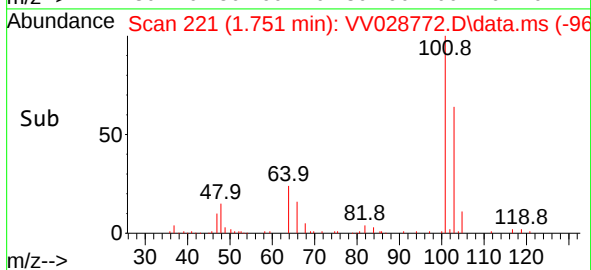
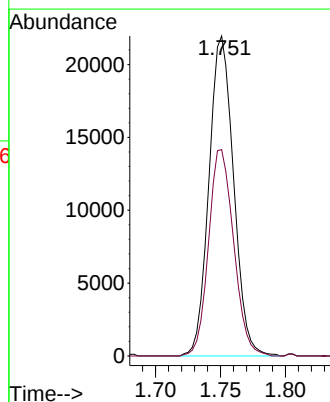
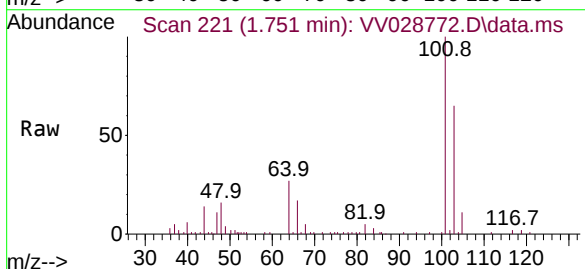
Instrument :
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ClientSampleId :

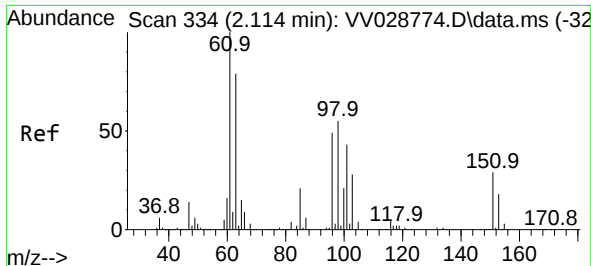
Tgt Ion: 64 Resp: 16479
Ion Ratio Lower Upper
64 100
66 25.4 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.757 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion: 101 Resp: 28958
Ion Ratio Lower Upper
101 100
103 65.7 51.6 77.4

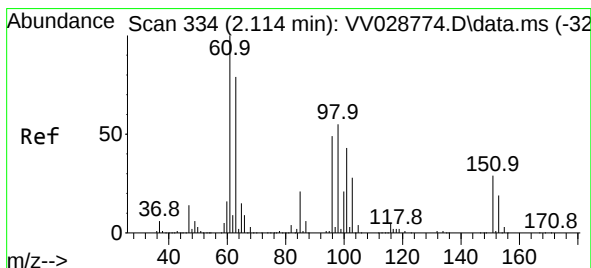
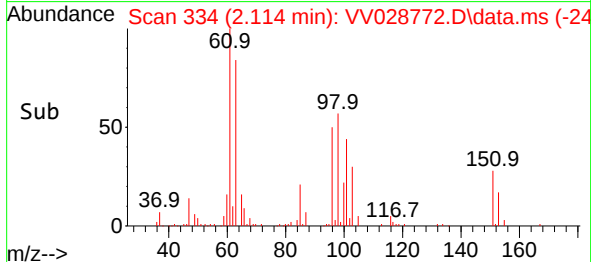
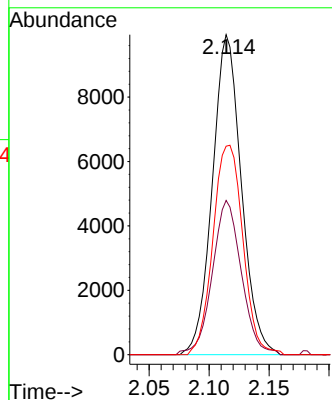
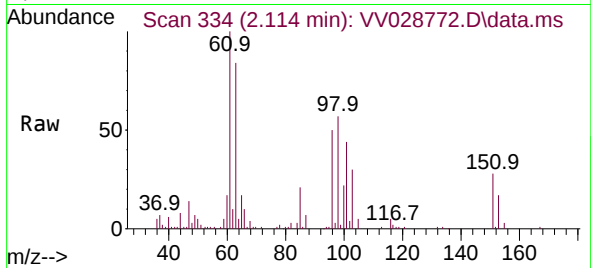




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.845 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028772.D
 Acq: 31 Oct 2022 11:20

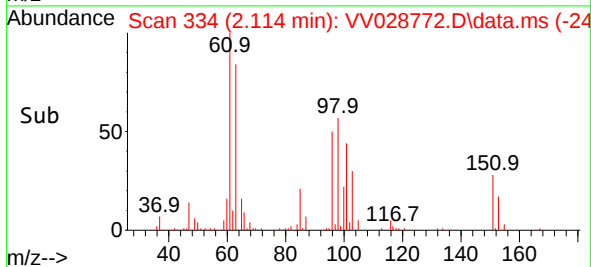
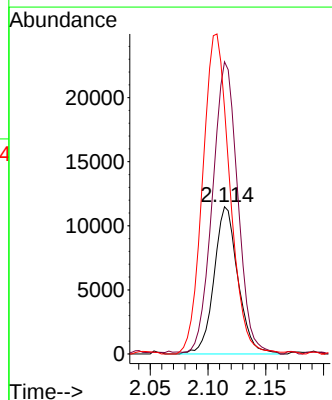
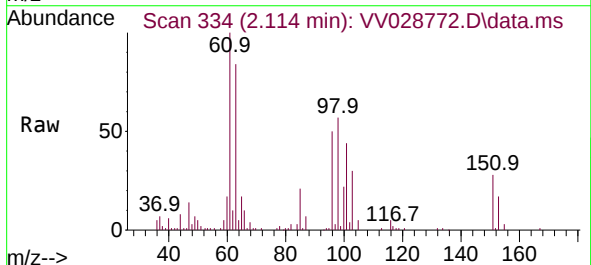
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 MSVOA_V
 ClientSampleId :

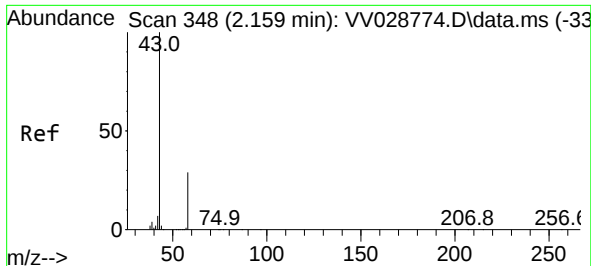
Tgt Ion:101 Resp: 16709
 Ion Ratio Lower Upper
 101 100
 85 48.2 38.0 57.0
 151 67.6 52.7 79.1



#12
 1,1-Dichloroethene
 Concen: 5.894 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028772.D
 Acq: 31 Oct 2022 11:20

Tgt Ion: 96 Resp: 16537
 Ion Ratio Lower Upper
 96 100
 61 198.6 142.7 265.1
 63 167.1 112.5 208.9





#13

Acetone

Concen: 12.853 ug/L

RT: 2.169 min Scan# 348

Delta R.T. 0.010 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

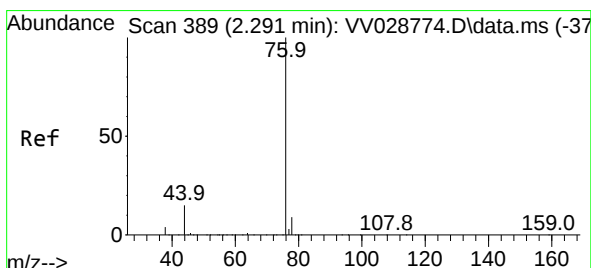
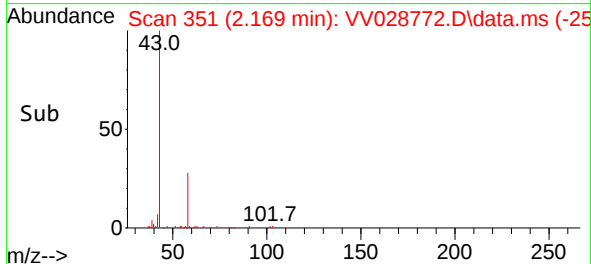
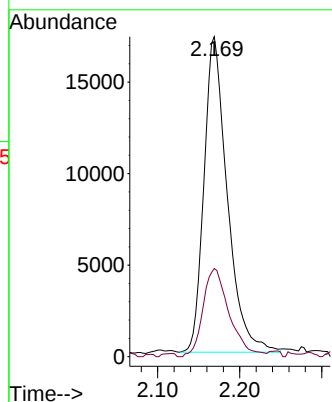
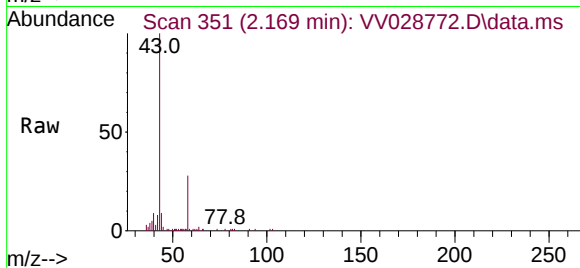
ClientSampleId :

Tgt Ion: 43 Resp: 34057

Ion Ratio Lower Upper

43 100

58 31.5 0.0 59.0



#14

Carbon disulfide

Concen: 5.098 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV028772.D

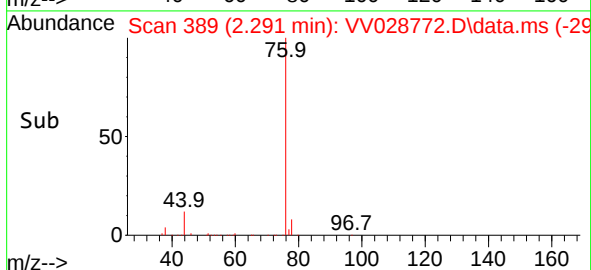
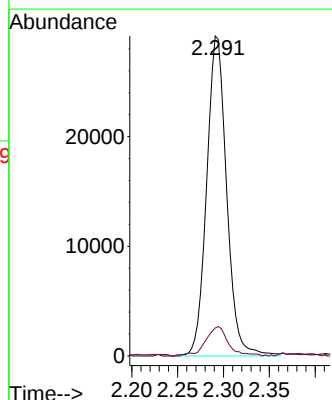
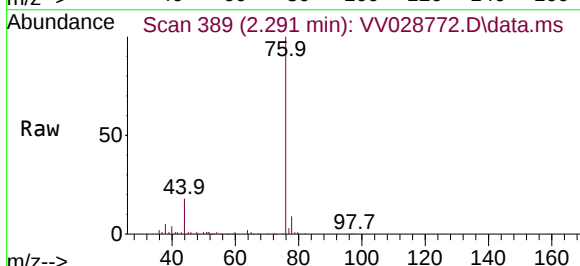
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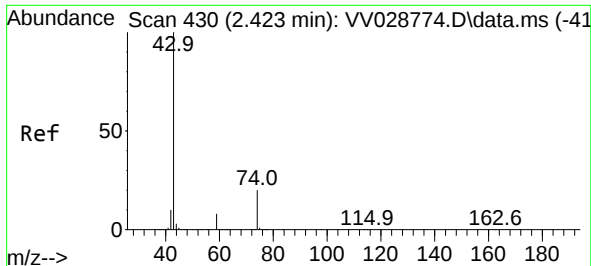
Tgt Ion: 76 Resp: 44196

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

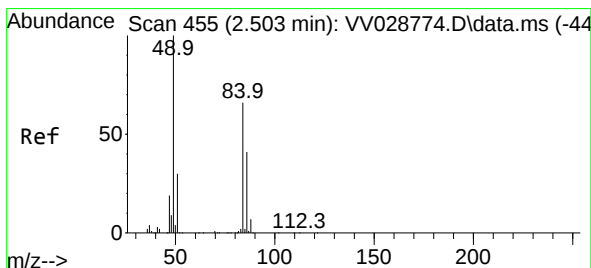
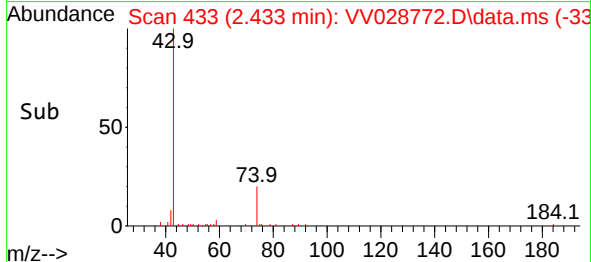
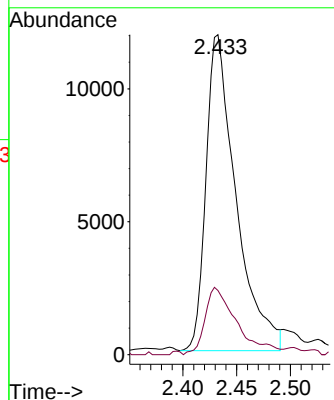
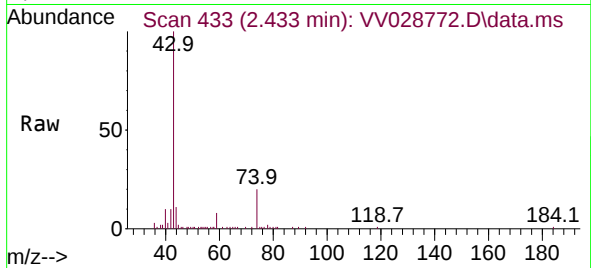




#15
Methyl Acetate
Concen: 5.339 ug/L
RT: 2.433 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

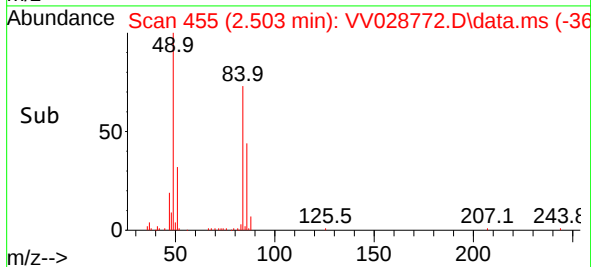
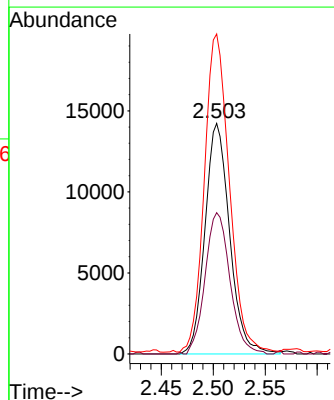
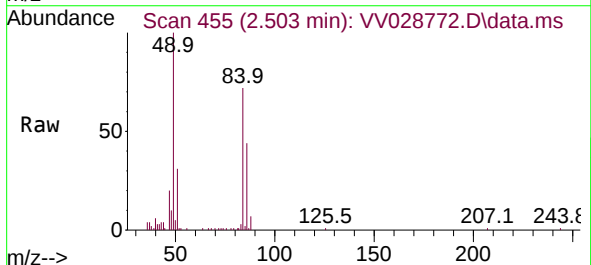
Instrument :
MSVOA_V
ClientSampleId :

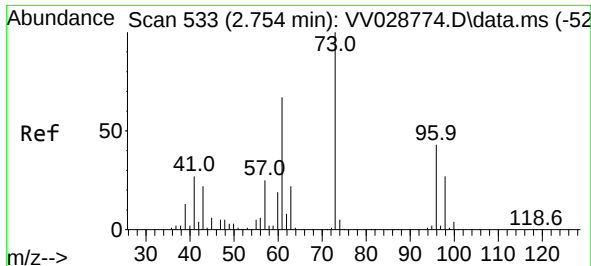
Tgt Ion: 43 Resp: 23095
Ion Ratio Lower Upper
43 100
74 21.3 15.6 23.4



#16
Methylene chloride
Concen: 6.603 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion: 84 Resp: 23480
Ion Ratio Lower Upper
84 100
86 61.3 43.7 81.1
49 138.8 105.3 195.5

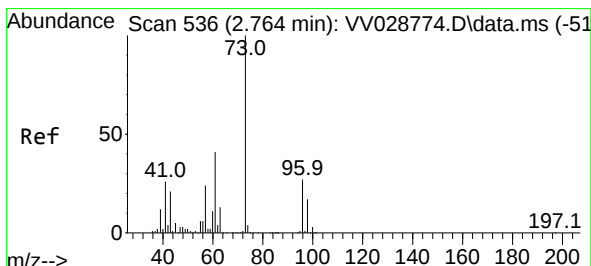
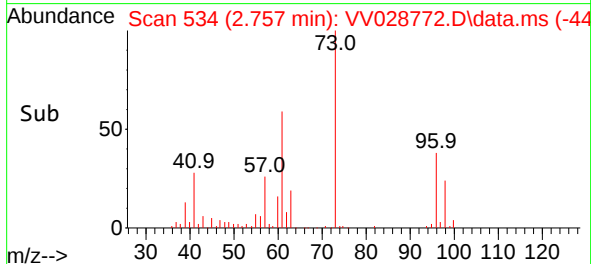
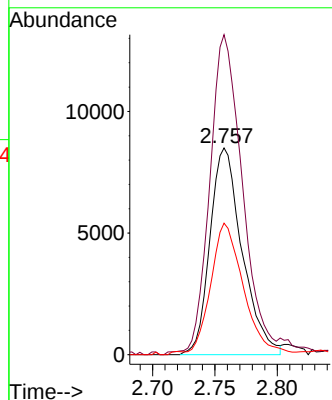
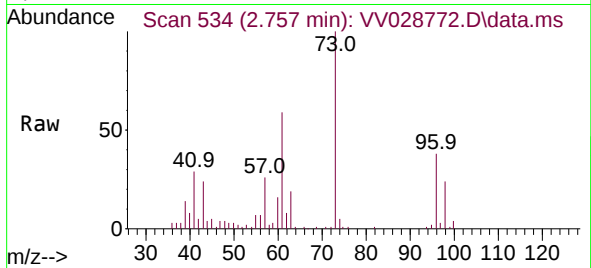




#17
trans-1,2-Dichloroethene
Concen: 4.849 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

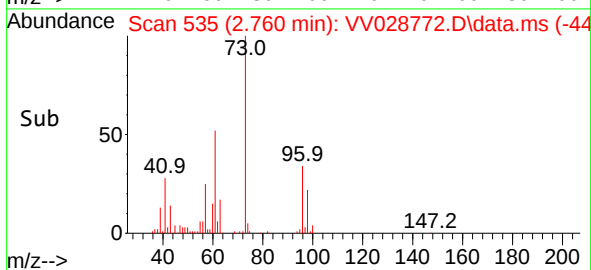
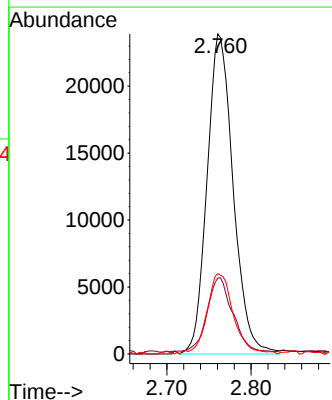
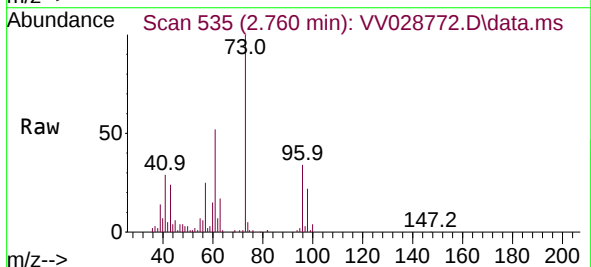
Instrument :
MSVOA_V
ClientSampleId :

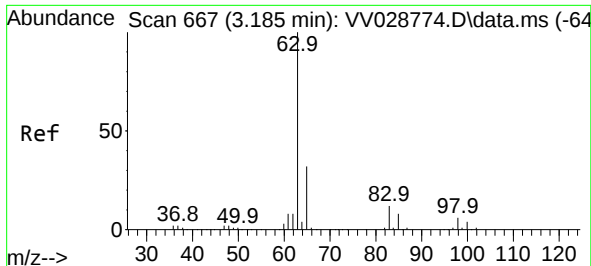
Tgt Ion: 96 Resp: 15287
Ion Ratio Lower Upper
96 100
61 154.8 109.4 203.2
98 63.6 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 4.518 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion: 73 Resp: 51520
Ion Ratio Lower Upper
73 100
43 22.3 17.1 25.7
57 24.8 19.3 28.9





#19

1,1-Dichloroethane

Concen: 5.210 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

ClientSampleId :

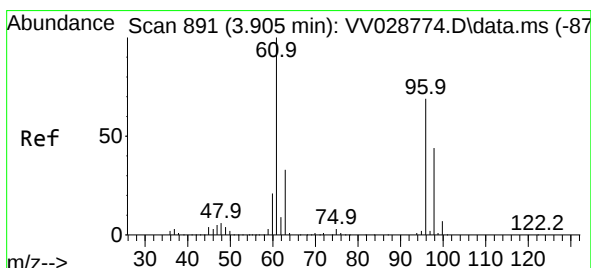
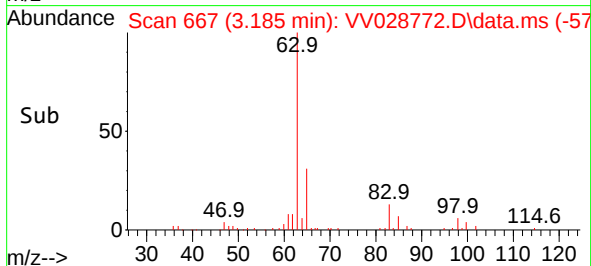
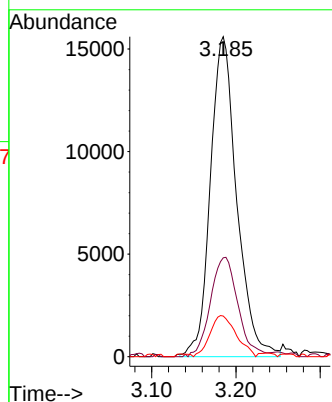
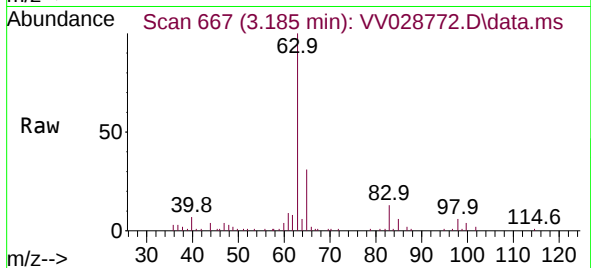
Tgt Ion: 63 Resp: 33917

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.9

83 12.7 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 4.555 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

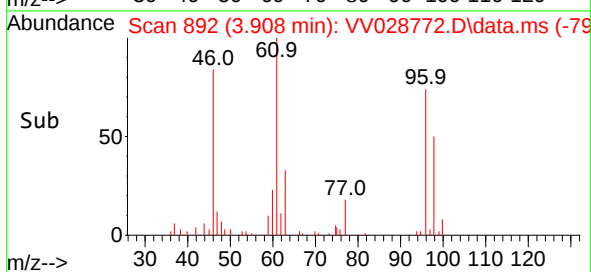
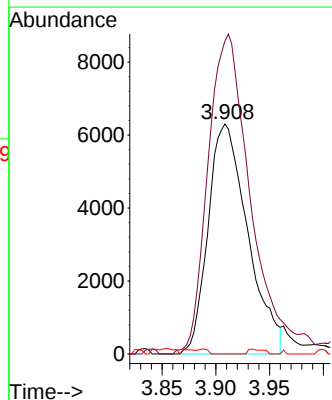
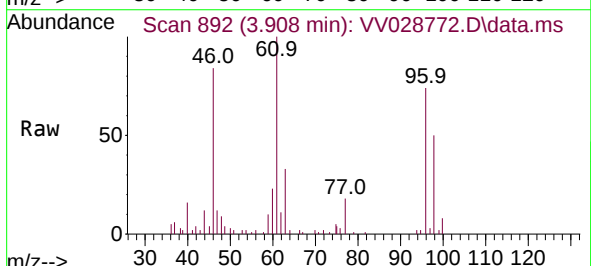
Tgt Ion: 96 Resp: 16176

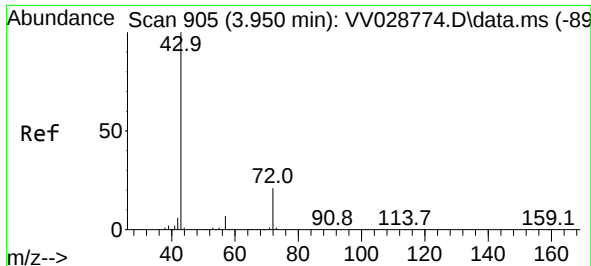
Ion Ratio Lower Upper

96 100

61 136.0 102.3 190.1

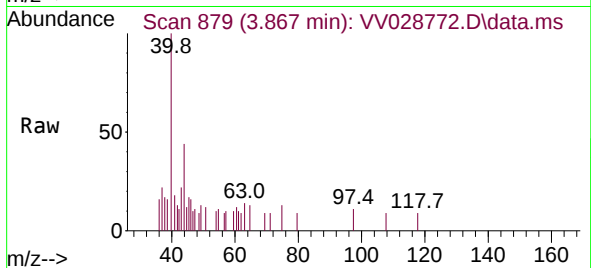
68 0.0 0.1 0.3#



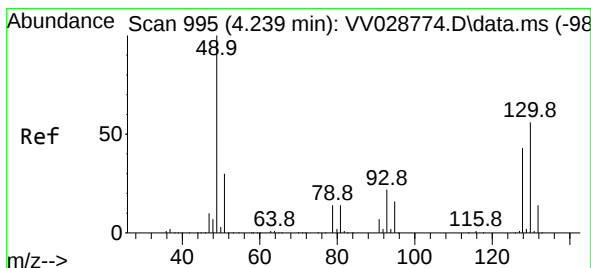
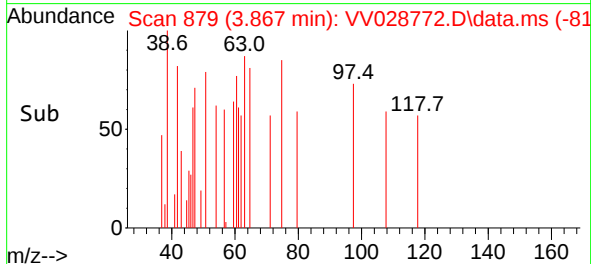
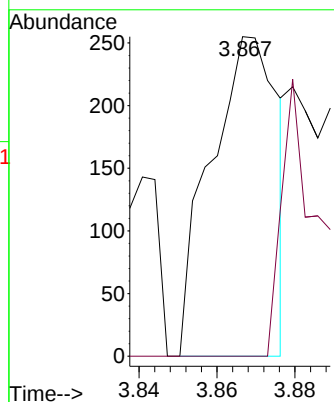


#22
2-Butanone
Concen: 0.091 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.084 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Instrument :
MSVOA_V
ClientSampleId :

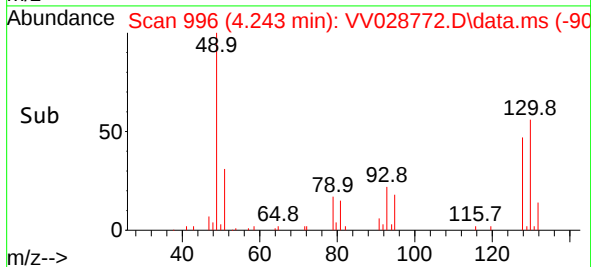
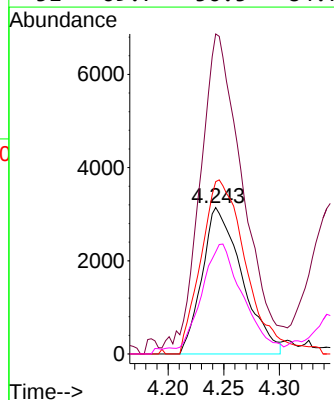
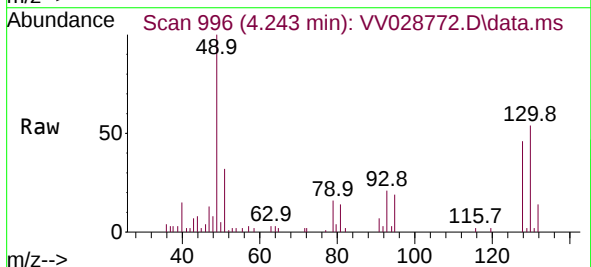


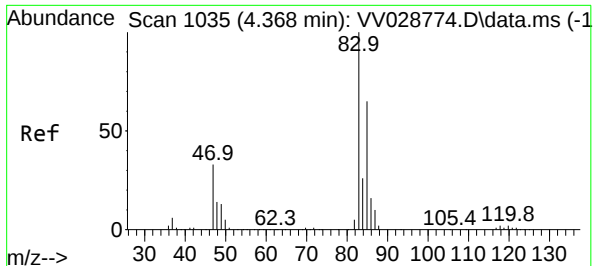
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
72 28.3 10.0 30.0



#23
Bromochloromethane
Concen: 4.564 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion:128 Resp: 7831
Ion Ratio Lower Upper
128 100
49 218.6 161.8 300.6
130 117.7 89.9 166.9
51 69.7 56.5 84.7





#25

Chloroform

Concen: 4.905 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

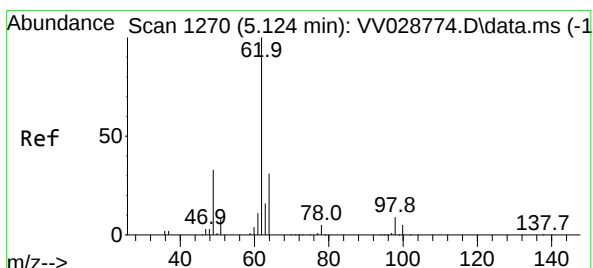
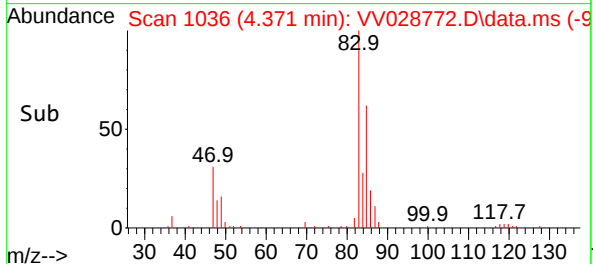
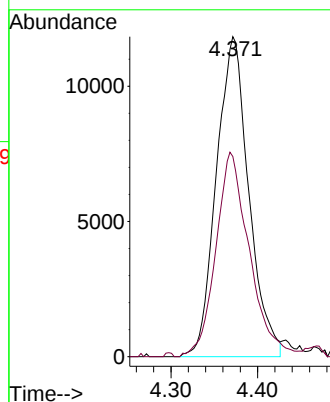
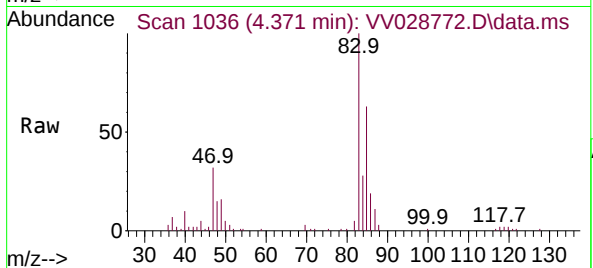
ClientSampleId :

Tgt Ion: 83 Resp: 30761

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1



#27

1,2-Dichloroethane

Concen: 4.874 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VV028772.D

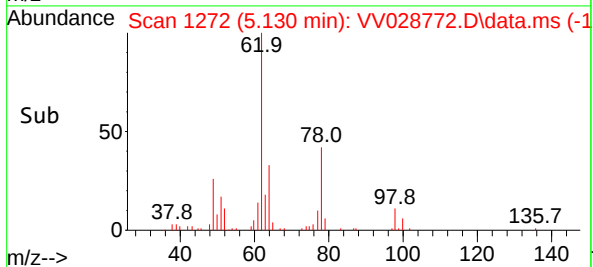
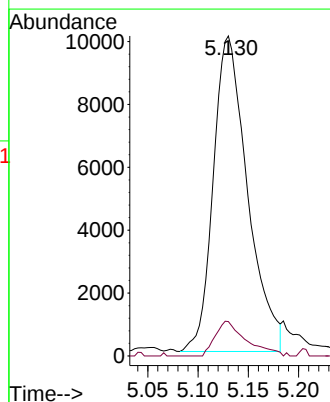
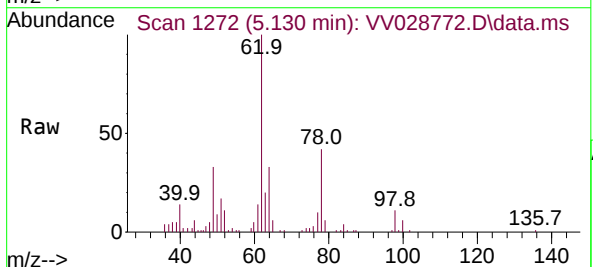
Acq: 31 Oct 2022 11:20

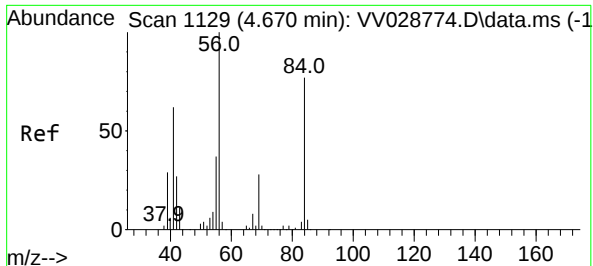
Tgt Ion: 62 Resp: 23785

Ion Ratio Lower Upper

62 100

98 10.7 6.9 10.3#





#29

Cyclohexane

Concen: 5.108 ug/L

RT: 4.674 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV028772.D

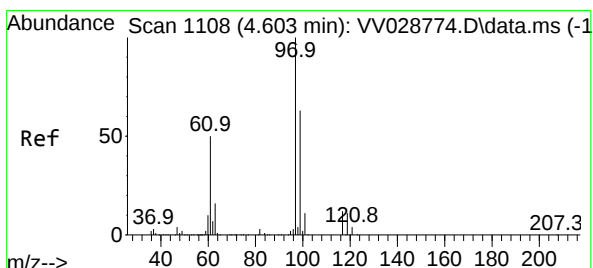
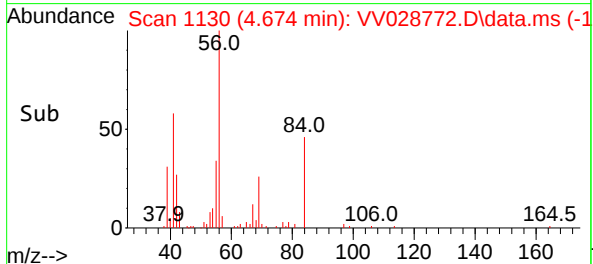
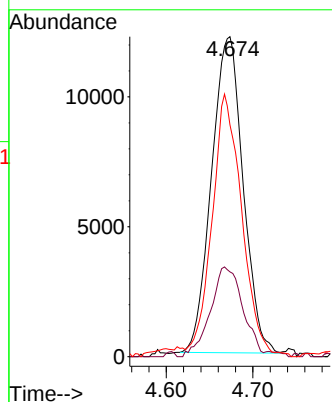
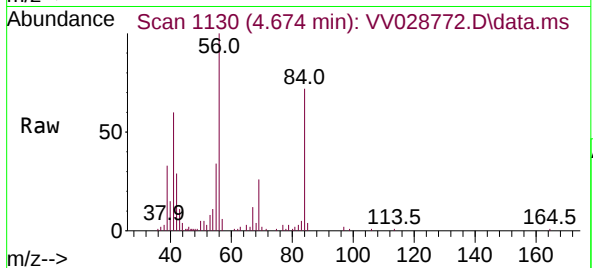
Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 56	Resp: 30870
Ion Ratio	Lower Upper
56	100
69	29.0 22.2 33.2
84	75.7 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 4.581 ug/L

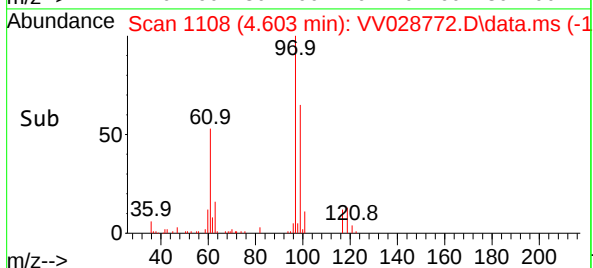
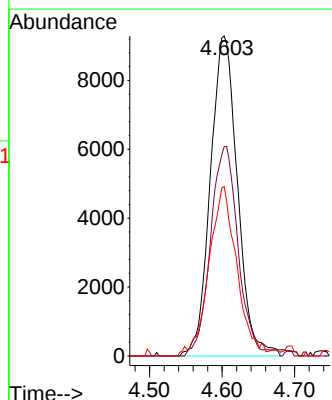
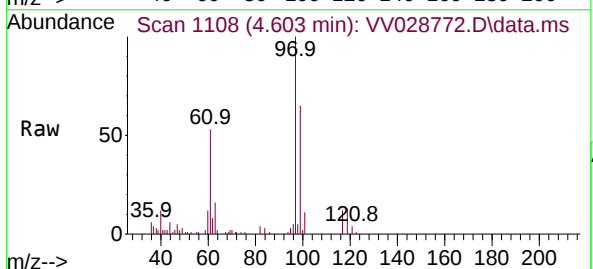
RT: 4.603 min Scan# 1108

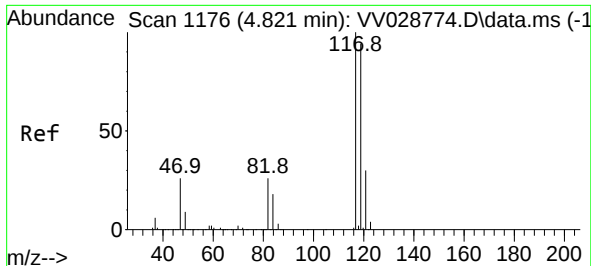
Delta R.T. 0.000 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Tgt Ion: 97	Resp: 24170
Ion Ratio	Lower Upper
97	100
99	65.7 50.2 75.4
61	52.7 40.2 60.4

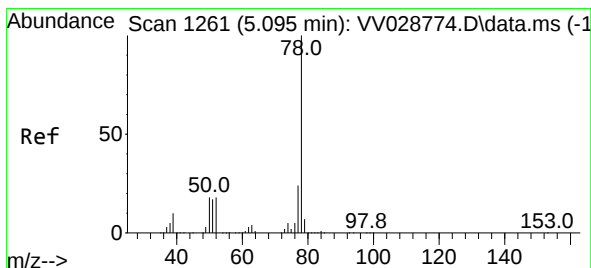
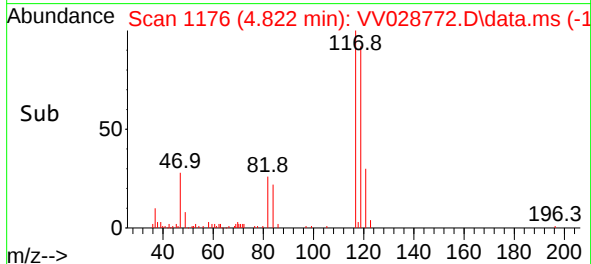
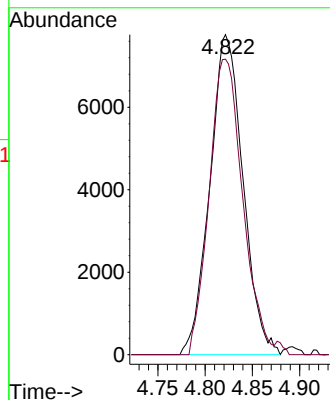
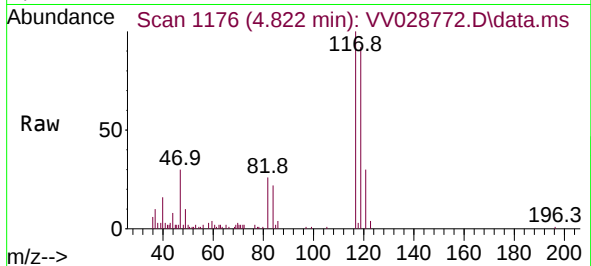




#31
Carbon tetrachloride
Concen: 4.309 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

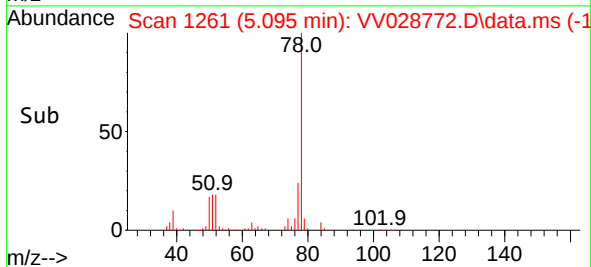
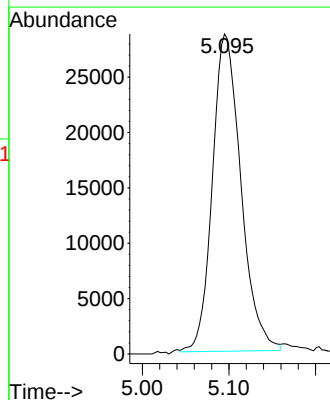
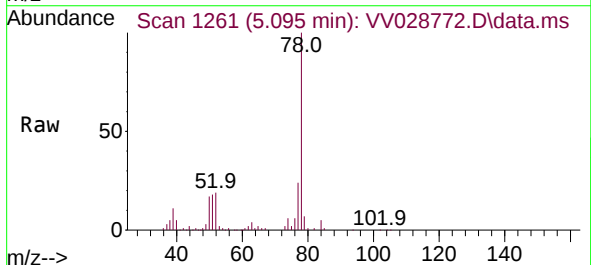
Instrument :
MSVOA_V
ClientSampleId :

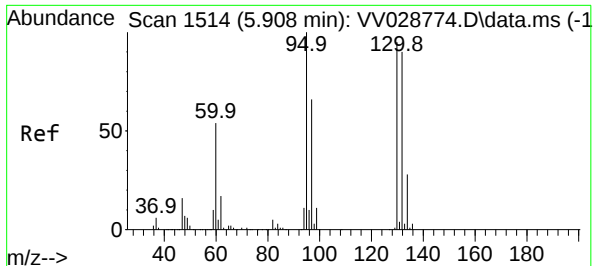
Tgt Ion:117 Resp: 18907
Ion Ratio Lower Upper
117 100
119 93.3 76.1 114.1



#33
Benzene
Concen: 4.764 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion: 78 Resp: 65532





#34

Trichloroethene

Concen: 4.921 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. 0.003 min

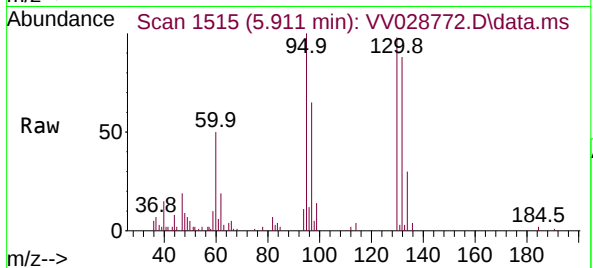
Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 16517

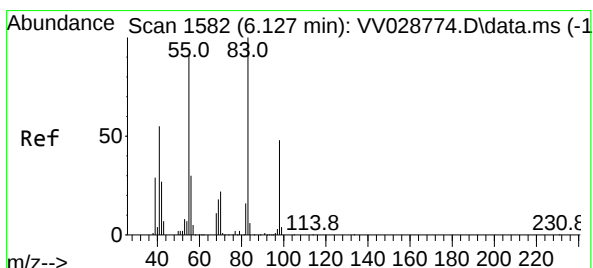
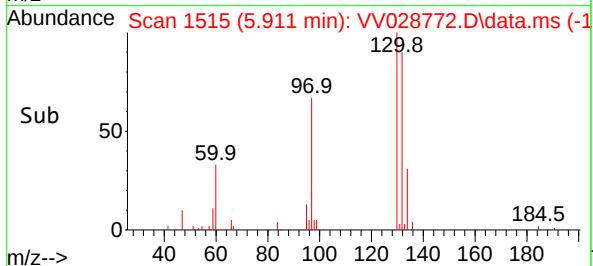
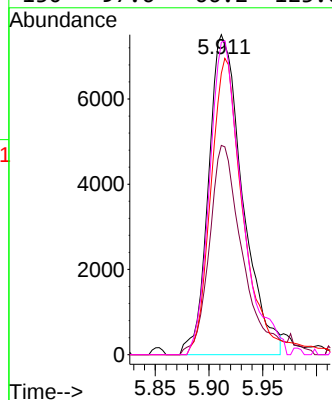
Ion Ratio Lower Upper

95 100

97 65.4 46.2 85.8

132 87.9 63.2 117.4

130 97.6 66.2 123.0



#35

Methylcyclohexane

Concen: 4.810 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

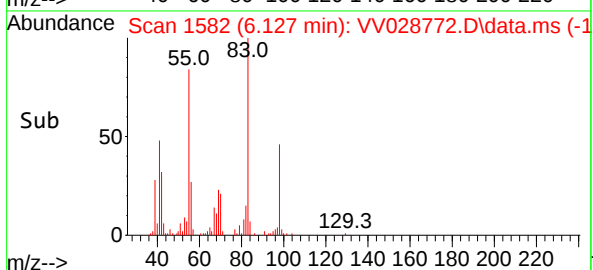
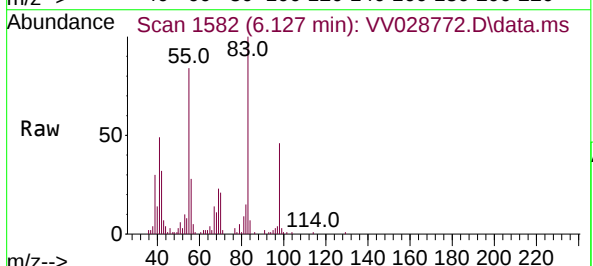
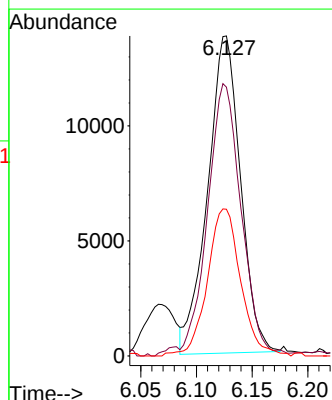
Tgt Ion: 83 Resp: 28319

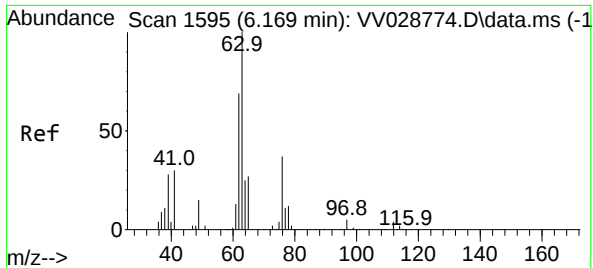
Ion Ratio Lower Upper

83 100

55 85.2 69.4 104.2

98 45.2 37.0 55.4





#37

1,2-Dichloropropane

Concen: 4.958 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

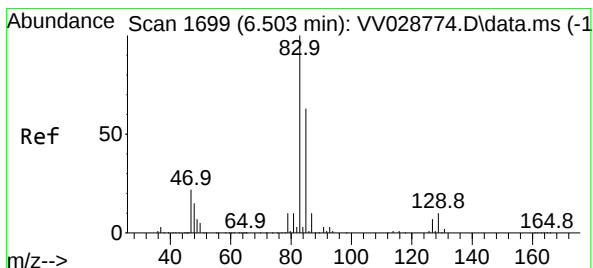
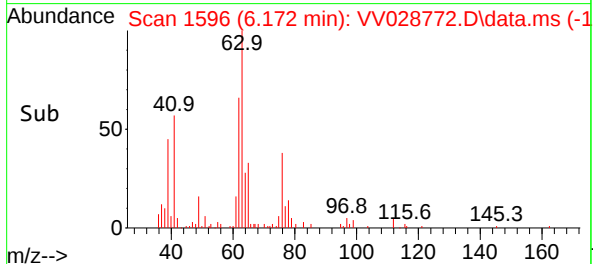
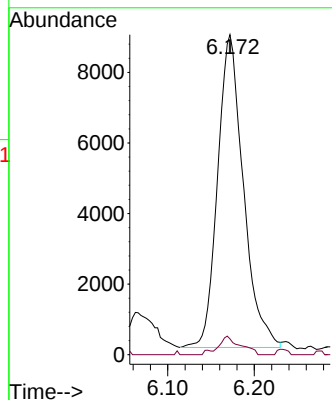
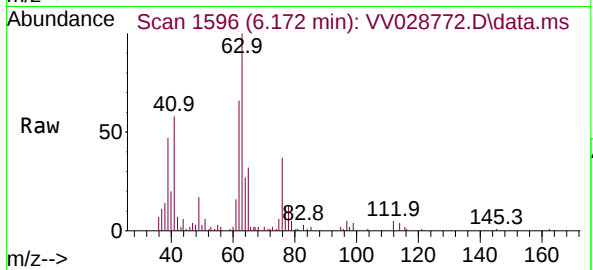
ClientSampleId :

Tgt Ion: 63 Resp: 18332

Ion Ratio Lower Upper

63 100

112 4.5 3.0 4.6



#38

Bromodichloromethane

Concen: 4.400 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

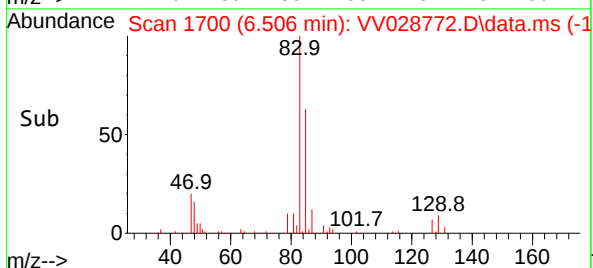
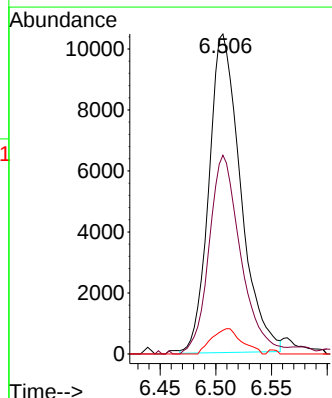
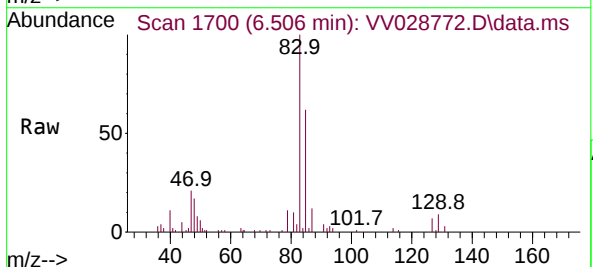
Tgt Ion: 83 Resp: 20672

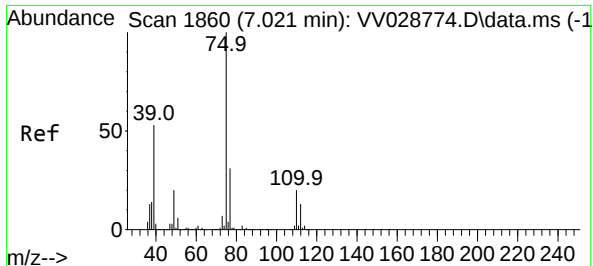
Ion Ratio Lower Upper

83 100

85 62.1 44.3 82.3

127 7.4 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 4.063 ug/L

RT: 7.027 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

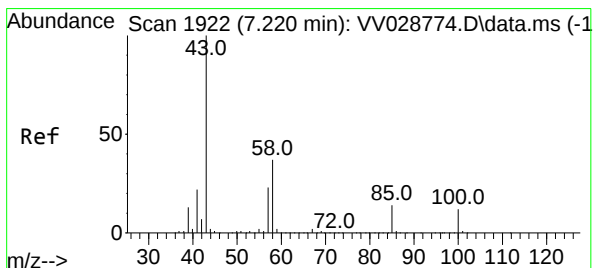
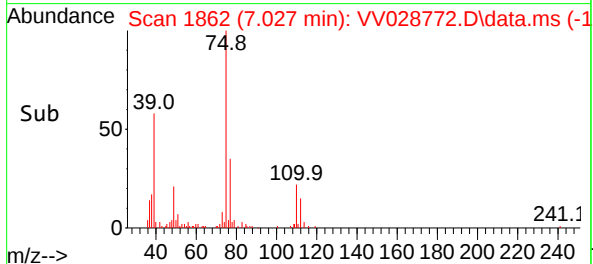
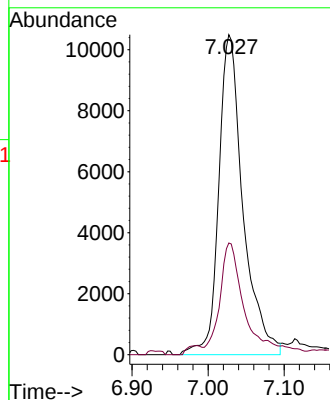
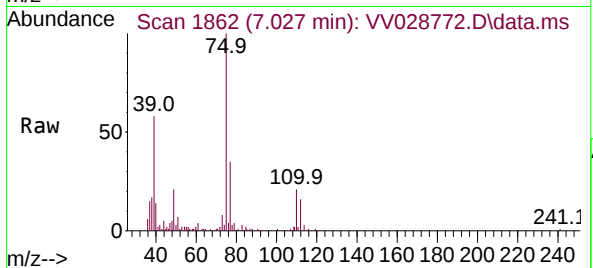
ClientSampleId :

Tgt Ion: 75 Resp: 23267

Ion Ratio Lower Upper

75 100

77 34.9 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 9.347 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.006 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

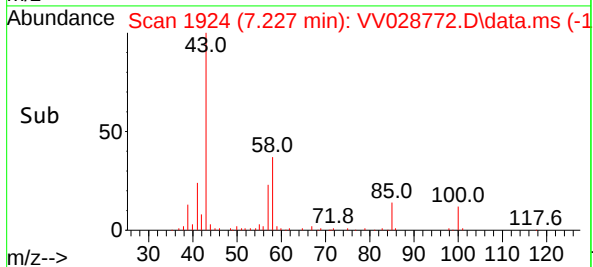
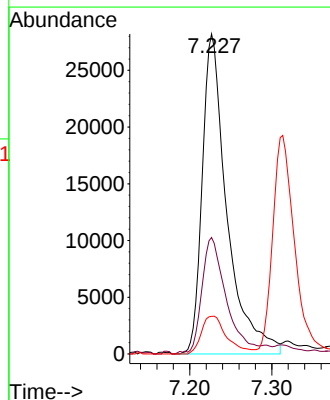
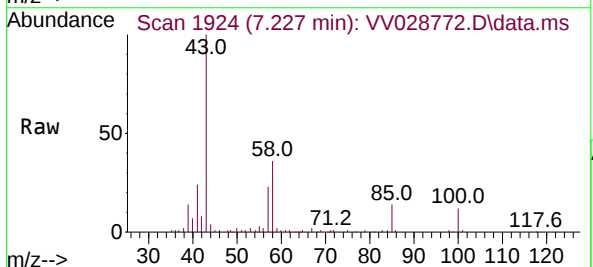
Tgt Ion: 43 Resp: 58982

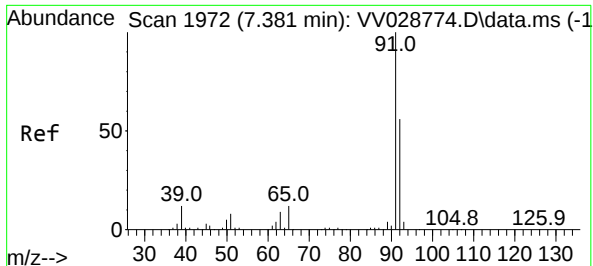
Ion Ratio Lower Upper

43 100

58 34.3 29.1 43.7

100 12.2 9.5 14.3





#42

Toluene

Concen: 4.778 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

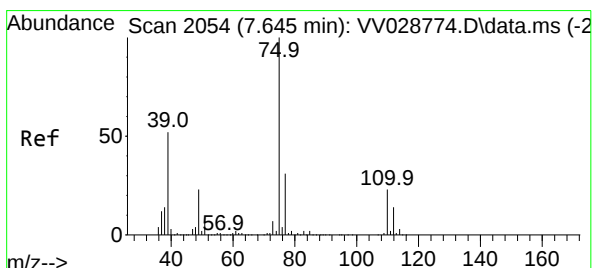
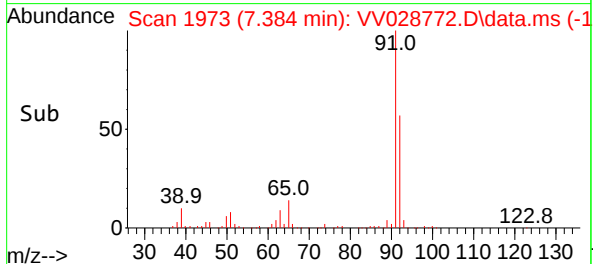
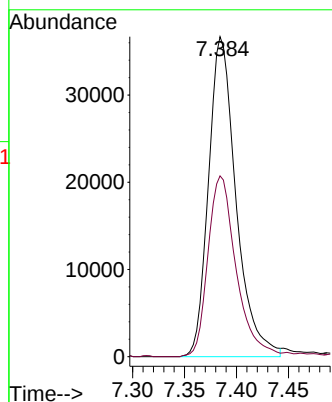
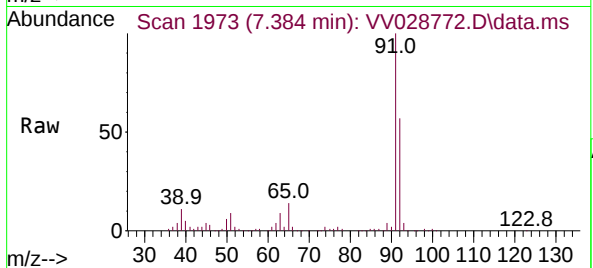
ClientSampleId :

Tgt Ion: 91 Resp: 67538

Ion Ratio Lower Upper

91 100

92 56.5 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 3.720 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.006 min

Lab File: VV028772.D

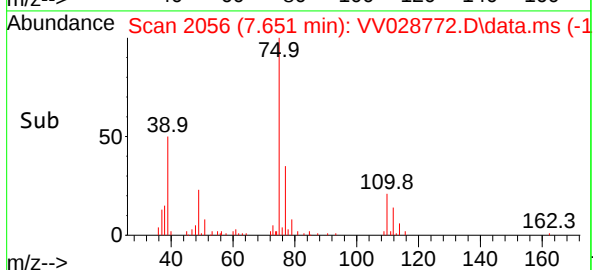
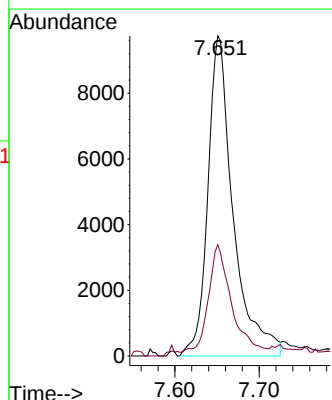
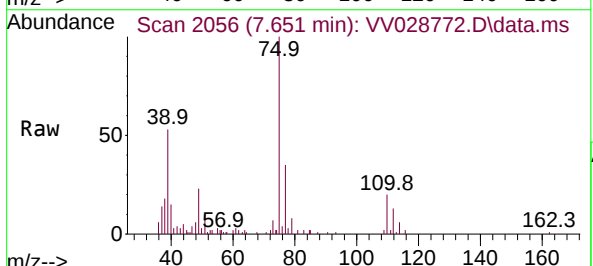
Acq: 31 Oct 2022 11:20

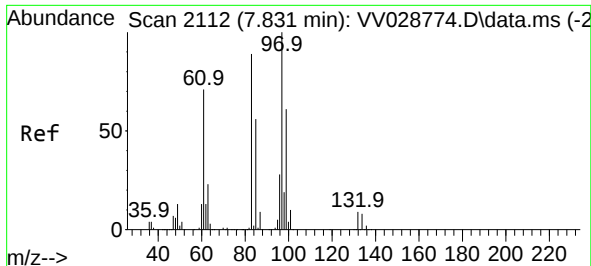
Tgt Ion: 75 Resp: 20342

Ion Ratio Lower Upper

75 100

77 34.8 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 4.883 ug/L

RT: 7.834 min Scan# 2112

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 16489

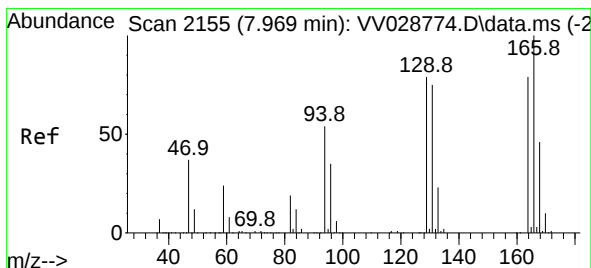
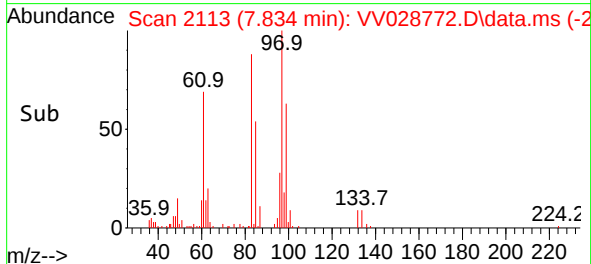
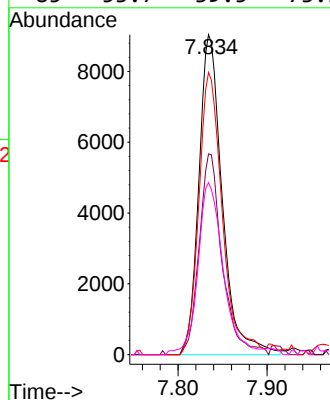
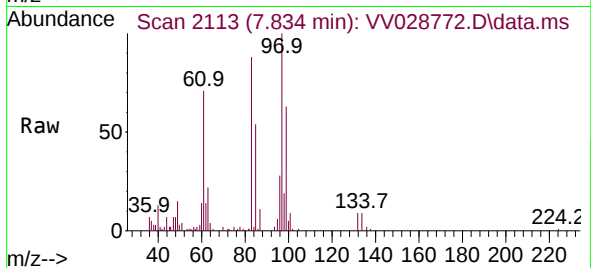
Ion Ratio Lower Upper

97 100

99 62.7 42.9 79.7

83 88.2 62.7 116.5

85 53.7 39.5 73.3



#46

Tetrachloroethene

Concen: 4.686 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Tgt Ion: 164 Resp: 11253

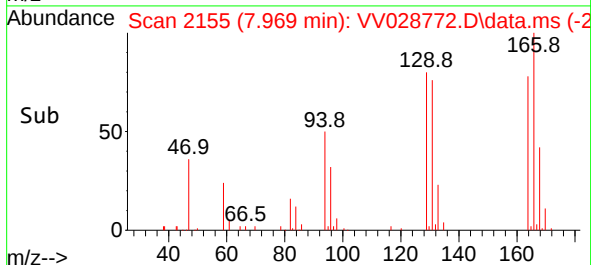
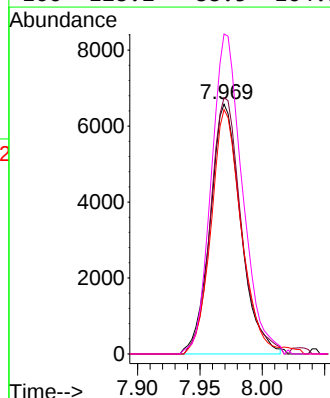
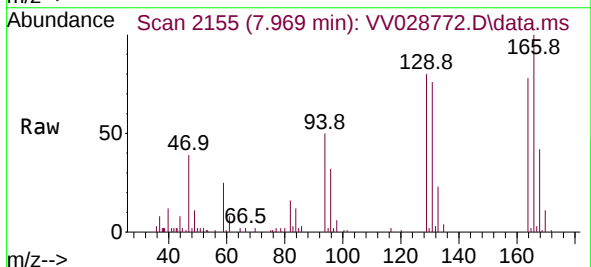
Ion Ratio Lower Upper

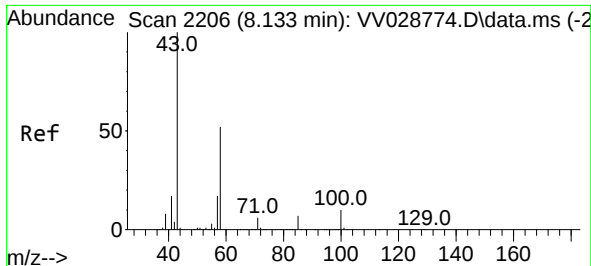
164 100

129 105.3 69.5 129.1

131 97.8 66.4 123.2

166 128.2 88.5 164.3

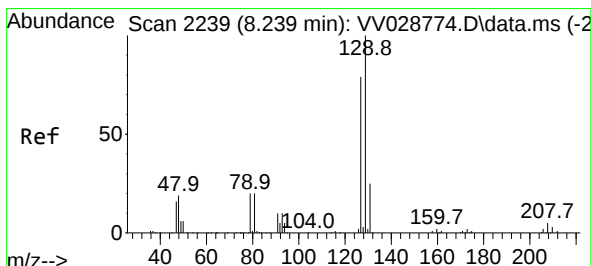
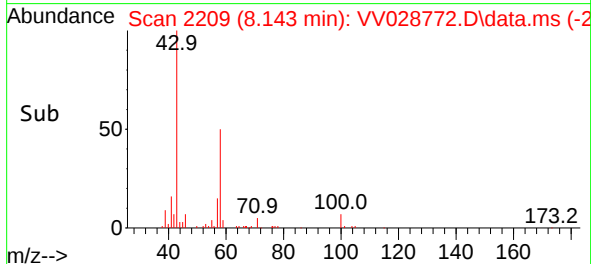
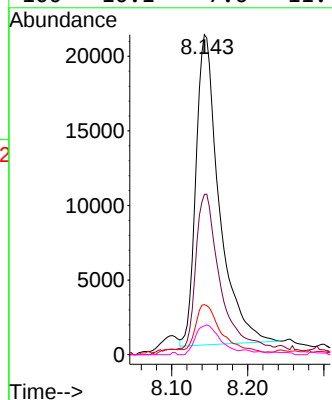
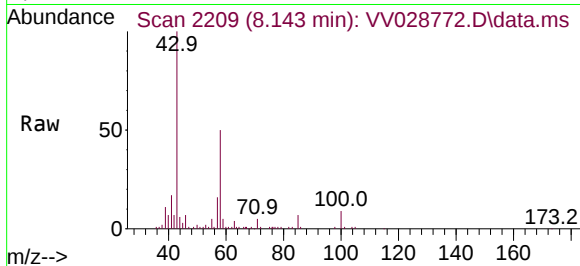




#48
2-Hexanone
Concen: 9.094 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

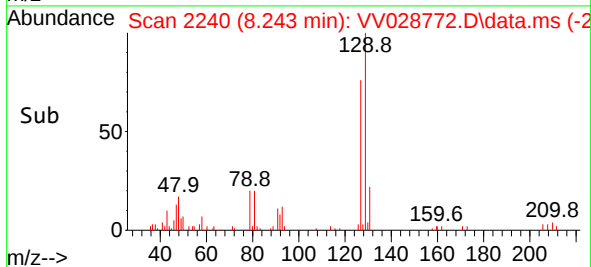
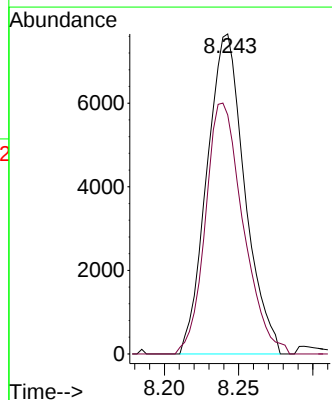
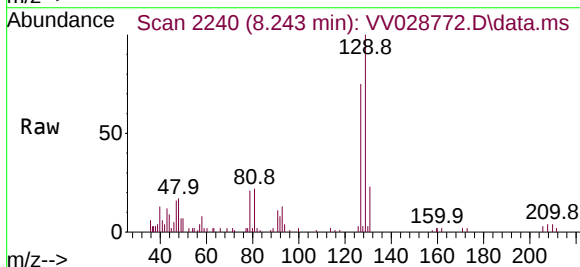
Instrument :
MSVOA_V
ClientSampleId :

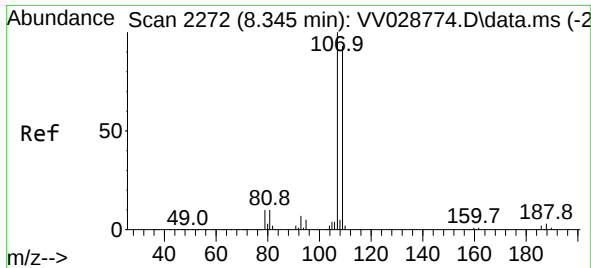
Tgt Ion: 43	Resp: 44252
Ion Ratio	Lower Upper
43 100	
58 54.6	41.4 62.0
57 17.7	13.8 20.6
100 10.1	7.6 11.4



#49
Dibromochloromethane
Concen: 3.858 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion:129	Resp:	13581	
Ion	Ratio	Lower	Upper
129	100		
127	77.5	55.3	102.7

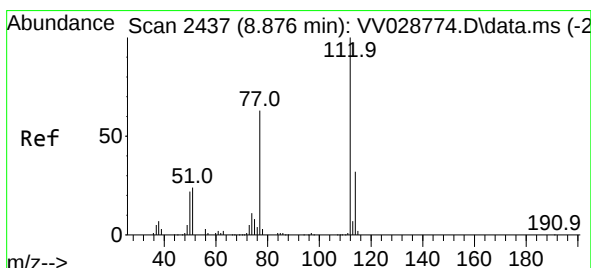
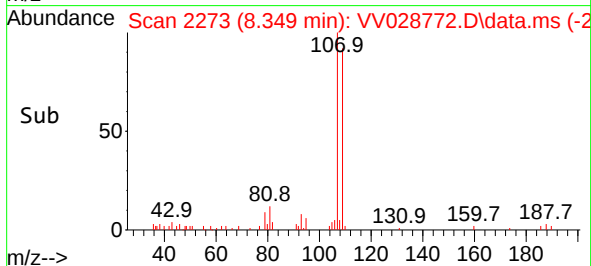
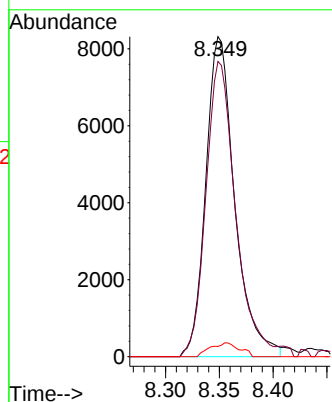
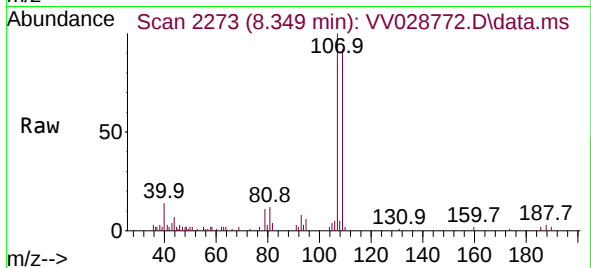




#50
1,2-Dibromoethane
Concen: 4.489 ug/L
RT: 8.349 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

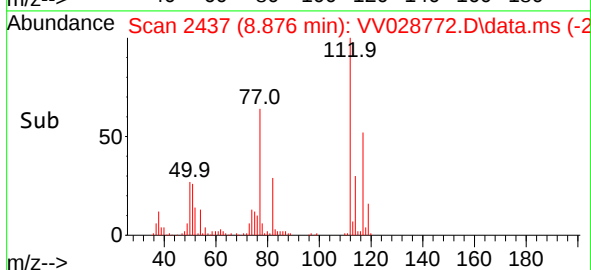
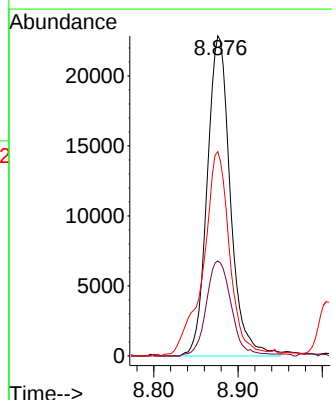
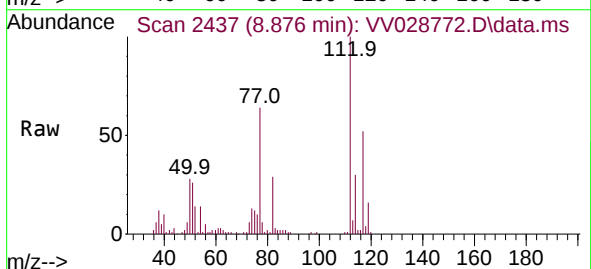
Instrument :
MSVOA_V
ClientSampleId :

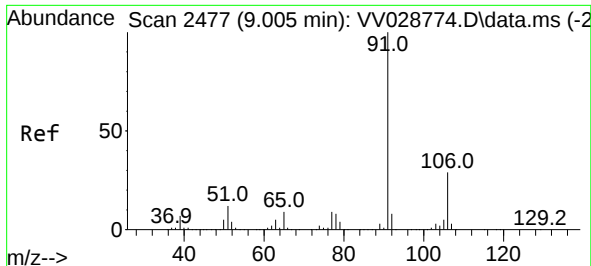
Tgt Ion:107 Resp: 15588
Ion Ratio Lower Upper
107 100
109 92.2 65.2 121.0
188 3.2 2.6 4.0



#51
Chlorobenzene
Concen: 4.964 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion:112 Resp: 43663
Ion Ratio Lower Upper
112 100
114 29.7 22.3 41.5
77 63.8 50.6 75.8





#52

Ethylbenzene

Concen: 4.621 ug/L

RT: 9.008 min Scan# 2477

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

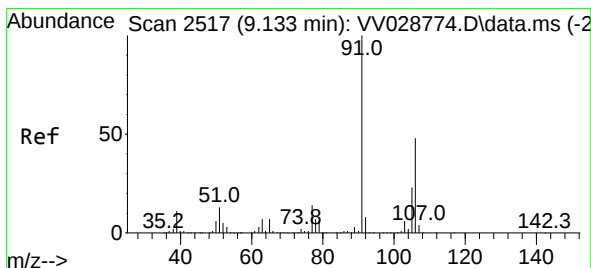
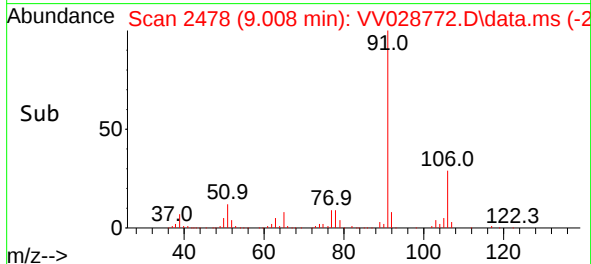
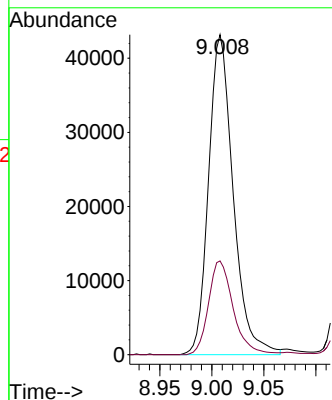
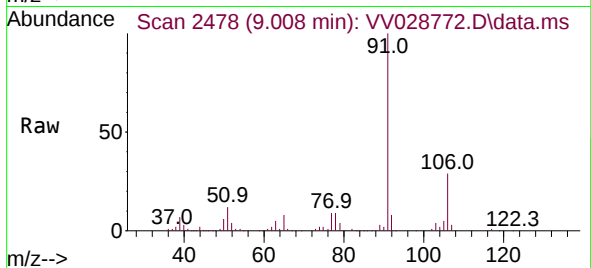
ClientSampleId :

Tgt Ion: 91 Resp: 71084

Ion Ratio Lower Upper

91 100

106 29.3 20.4 38.0



#53

m,p-Xylene

Concen: 4.500 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.000 min

Lab File: VV028772.D

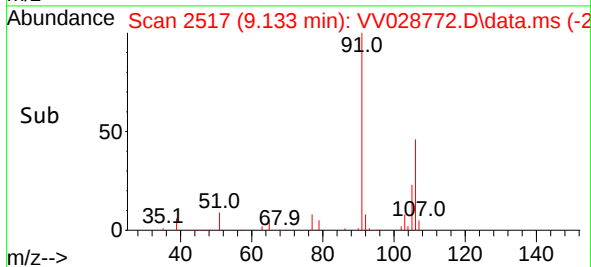
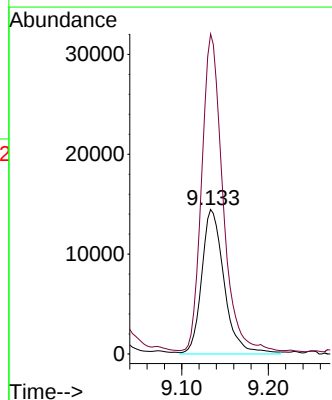
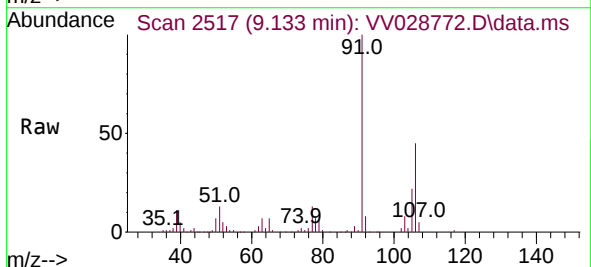
Acq: 31 Oct 2022 11:20

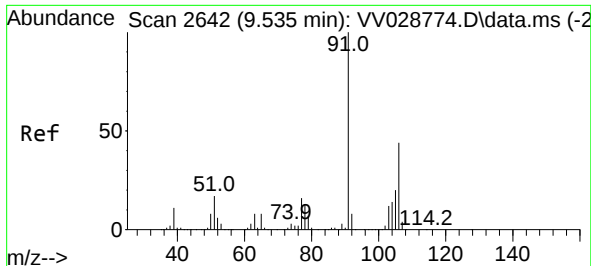
Tgt Ion: 106 Resp: 26069

Ion Ratio Lower Upper

106 100

91 221.6 146.2 271.6

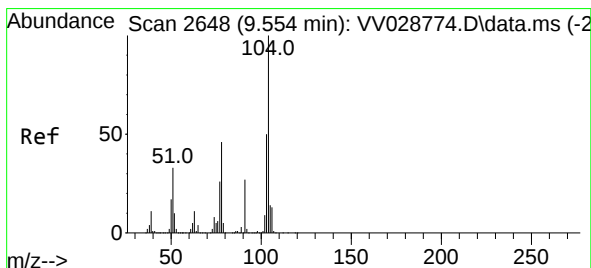
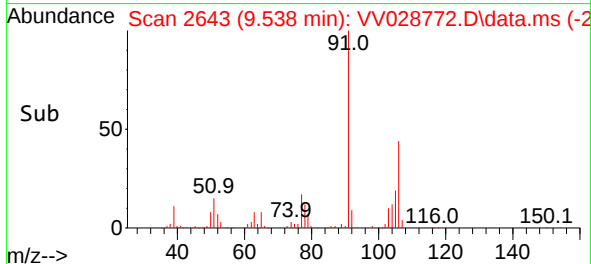
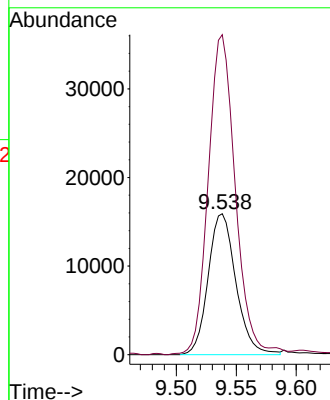
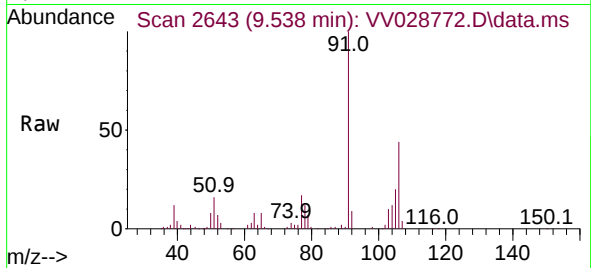




#54
o-Xylene
Concen: 4.426 ug/L
RT: 9.538 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

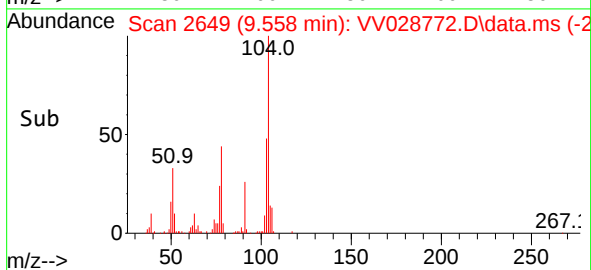
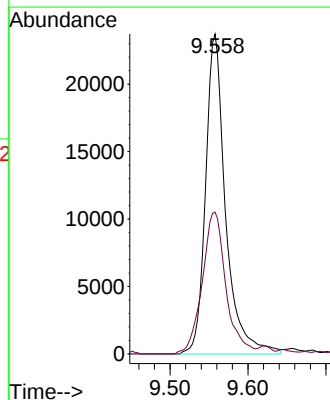
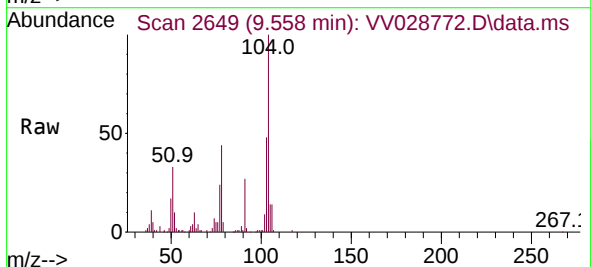
Instrument :
MSVOA_V
ClientSampleId :

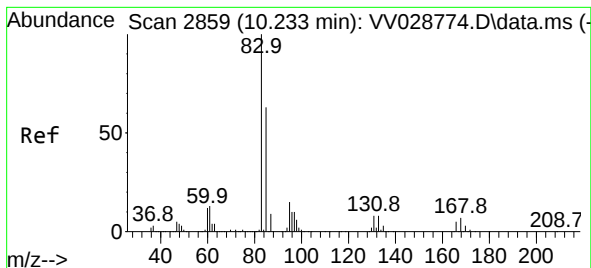
Tgt Ion:106 Resp: 25612
Ion Ratio Lower Upper
106 100
91 226.9 158.1 293.7



#55
Styrene
Concen: 4.250 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion:104 Resp: 42259
Ion Ratio Lower Upper
104 100
78 44.3 31.9 59.3

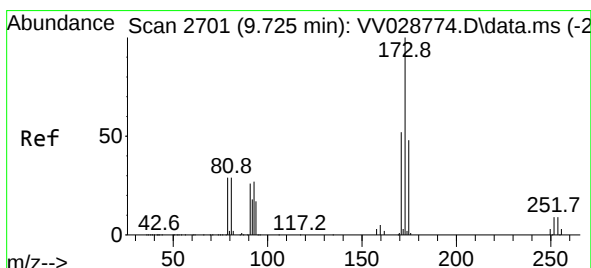
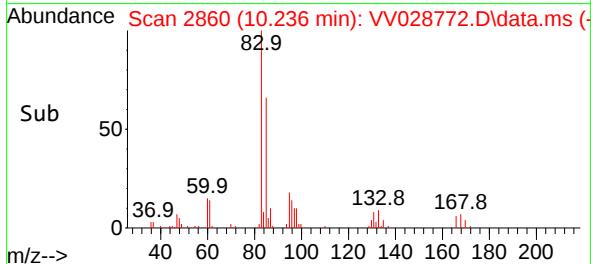
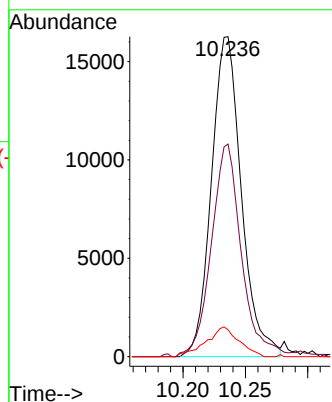
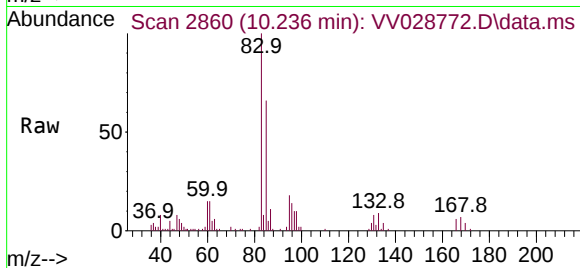




#57
1,1,2,2-Tetrachloroethane
Concen: 4.655 ug/L
RT: 10.236 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

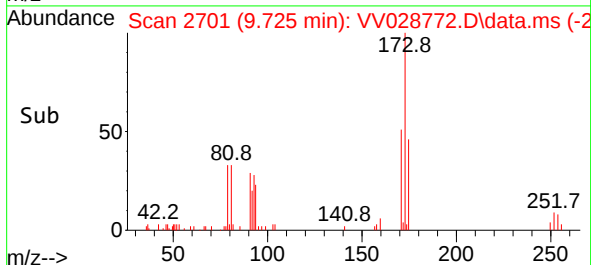
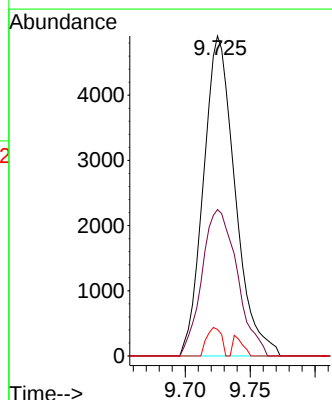
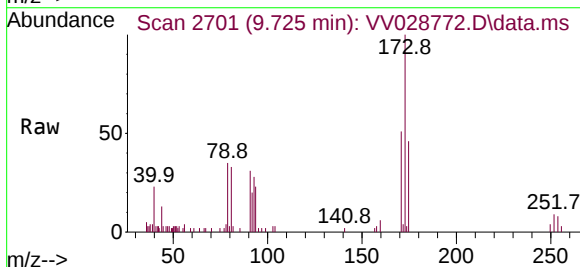
Instrument :
MSVOA_V
ClientSampleId :

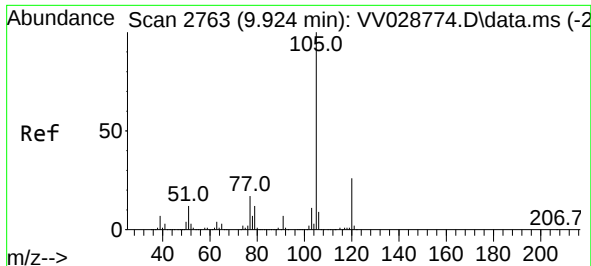
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	44.4	82.4
131	11.3	6.5	9.7#



#59
Bromoform
Concen: 3.736 ug/L
RT: 9.725 min Scan# 2701
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	38.7	58.1
254	4.1	7.2	10.8#

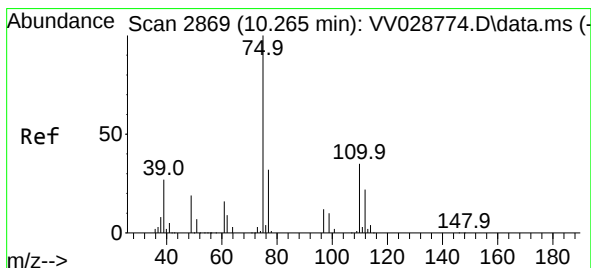
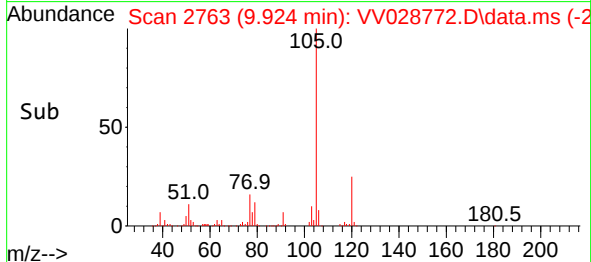
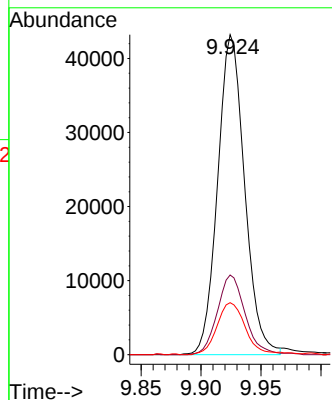
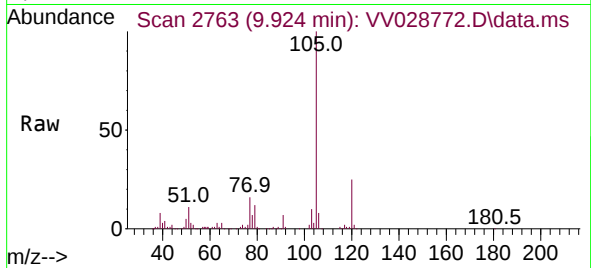




#60
Isopropylbenzene
Concen: 4.944 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

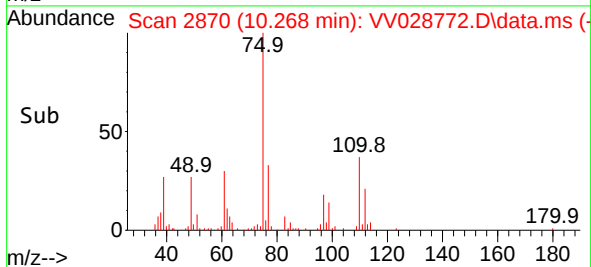
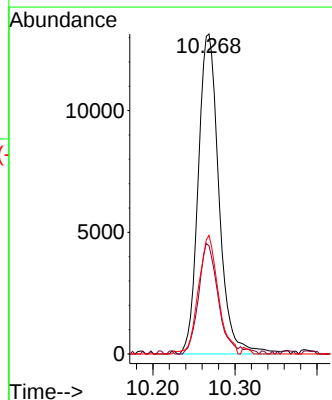
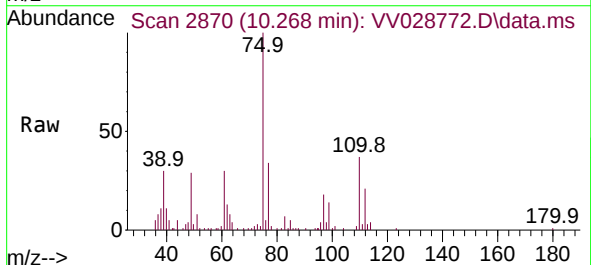
Instrument :
MSVOA_V
ClientSampleId :

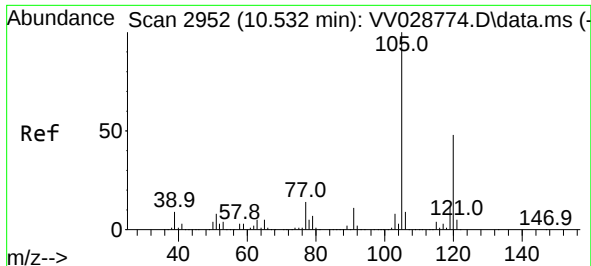
Tgt Ion:105 Resp: 67452
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 16.9 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 5.664 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion: 75 Resp: 23076
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4
110 35.0 28.2 42.2





#62

1,3,5-Trimethylbenzene

Concen: 4.555 ug/L

RT: 10.532 min Scan# 2952

Delta R.T. 0.000 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

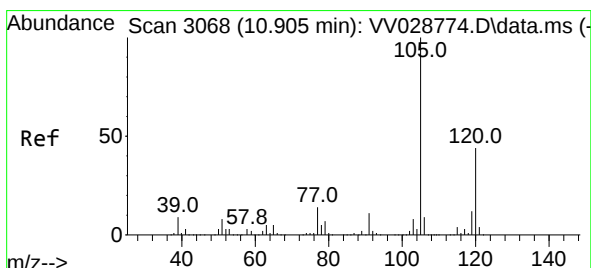
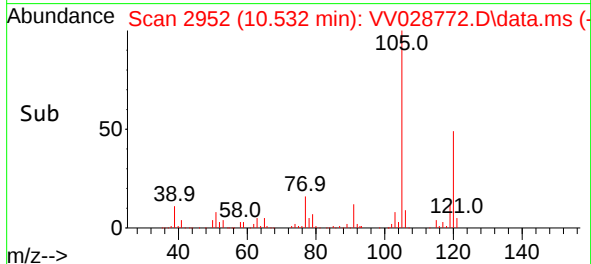
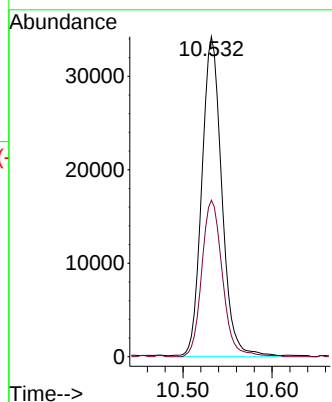
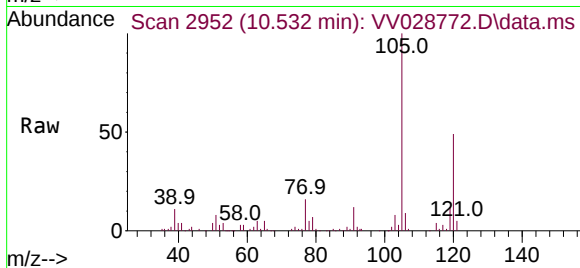
ClientSampleId :

Tgt Ion:105 Resp: 53503

Ion Ratio Lower Upper

105 100

120 50.4 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 4.585 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.003 min

Lab File: VV028772.D

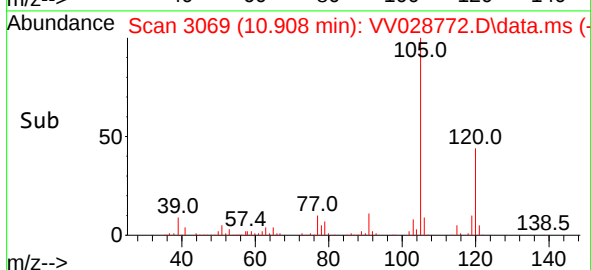
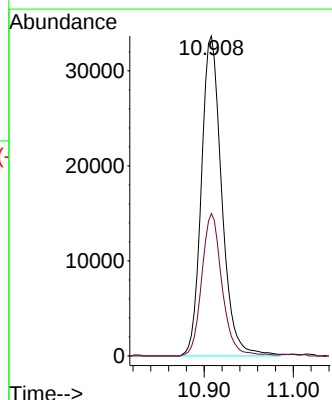
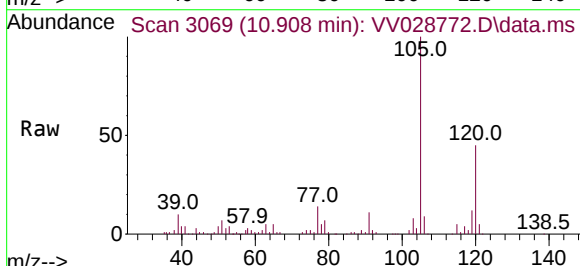
Acq: 31 Oct 2022 11:20

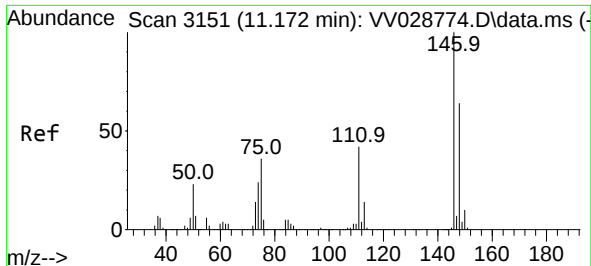
Tgt Ion:105 Resp: 53475

Ion Ratio Lower Upper

105 100

120 44.0 35.4 53.0

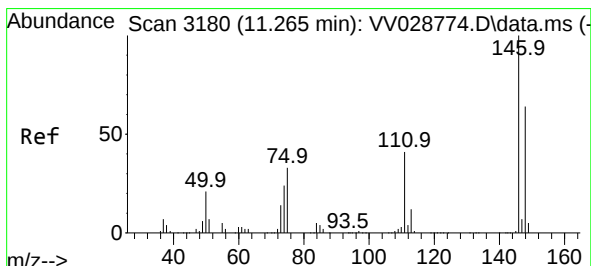
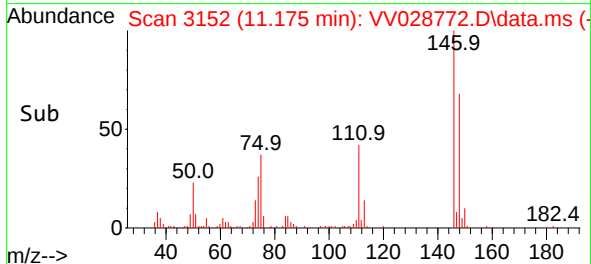
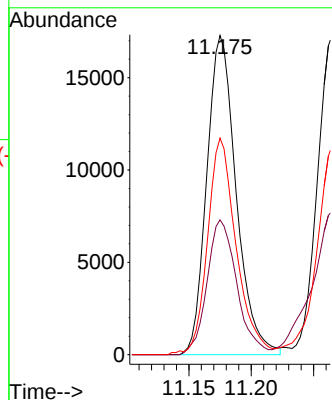
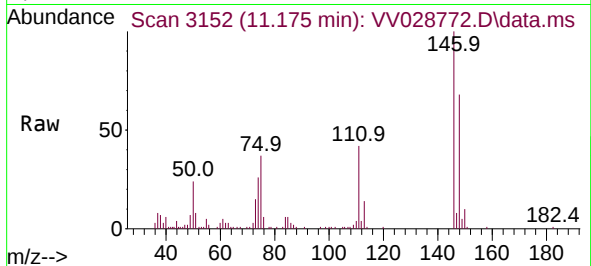




#64
1,3-Dichlorobenzene
Concen: 4.802 ug/L
RT: 11.175 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

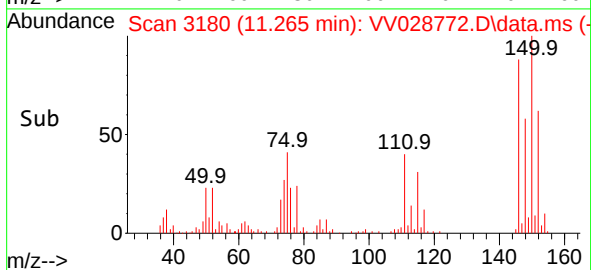
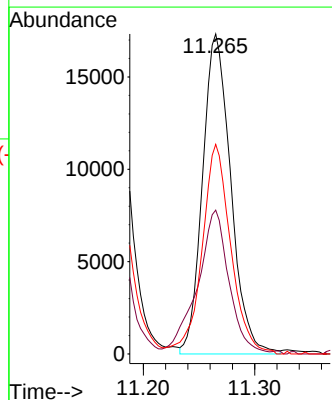
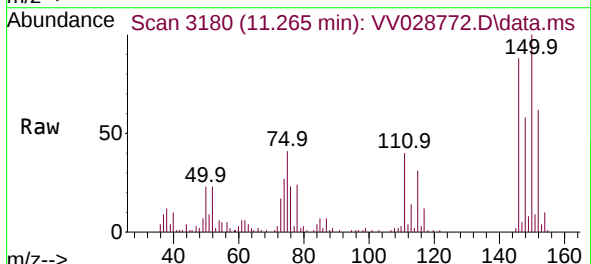
Instrument :
MSVOA_V
ClientSampleId :

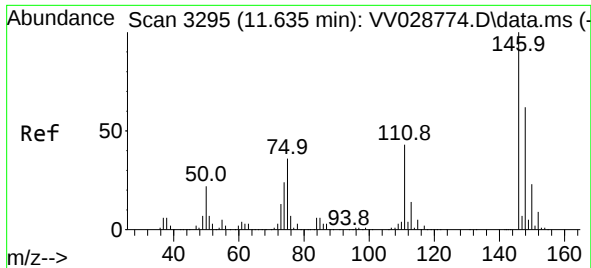
Tgt Ion:146 Resp: 28401
Ion Ratio Lower Upper
146 100
111 42.2 29.6 55.0
148 67.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 5.162 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion:146 Resp: 30496
Ion Ratio Lower Upper
146 100
111 45.0 28.7 53.3
148 65.5 45.1 83.7

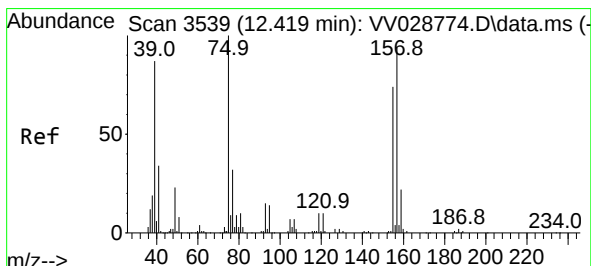
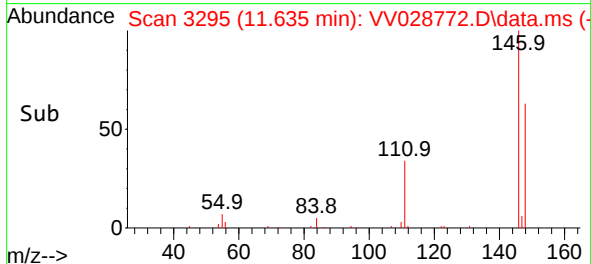
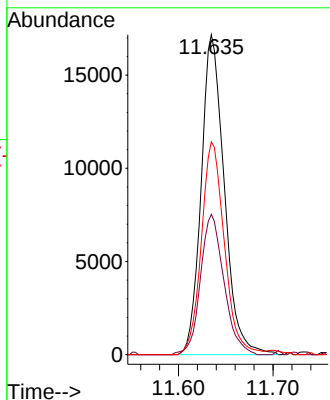
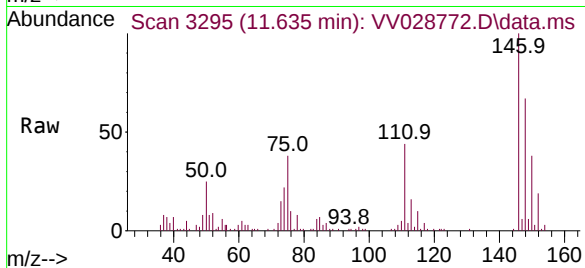




#67
1,2-Dichlorobenzene
Concen: 4.888 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

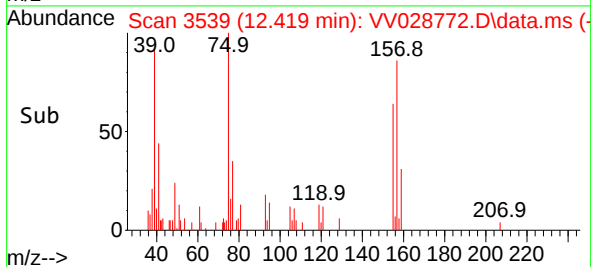
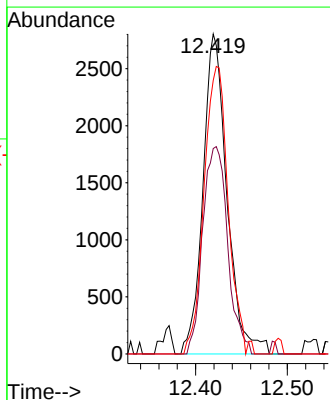
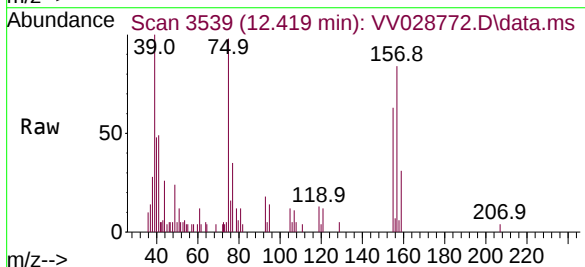
Instrument :
MSVOA_V
ClientSampleId :

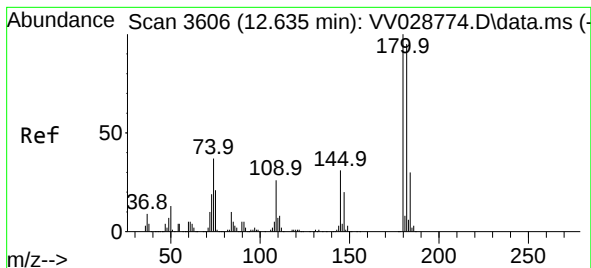
Tgt Ion:146 Resp: 29163
Ion Ratio Lower Upper
146 100
111 43.8 34.2 51.2
148 66.5 49.5 74.3



#68
1,2-Dibromo-3-chloropropane
Concen: 4.260 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VV028772.D
Acq: 31 Oct 2022 11:20

Tgt Ion: 75 Resp: 5112
Ion Ratio Lower Upper
75 100
155 64.2 59.4 89.0
157 85.5 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 4.571 ug/L

RT: 12.638 min Scan# 3606

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 20259

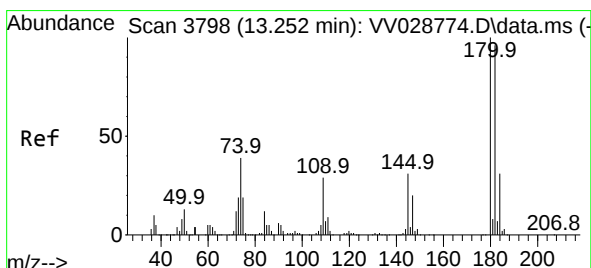
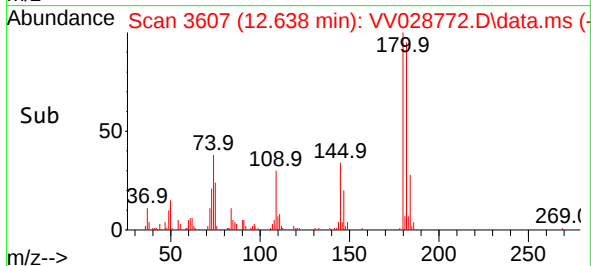
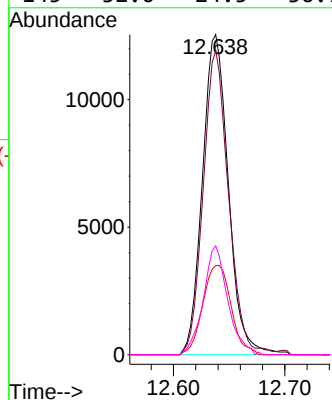
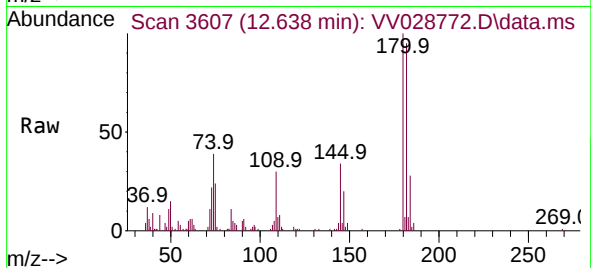
Ion Ratio Lower Upper

180 100

182 92.0 75.6 113.4

184 30.4 23.9 35.9

145 32.0 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.212 ug/L

RT: 13.255 min Scan# 3799

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

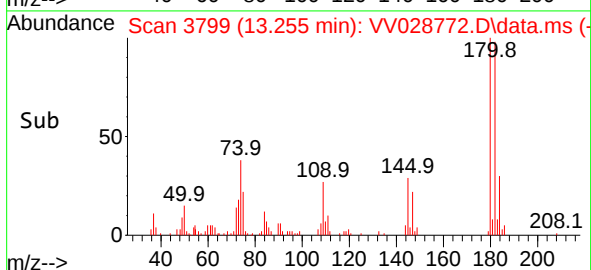
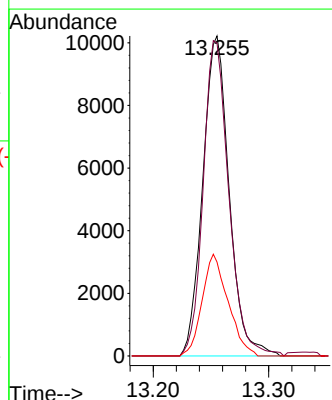
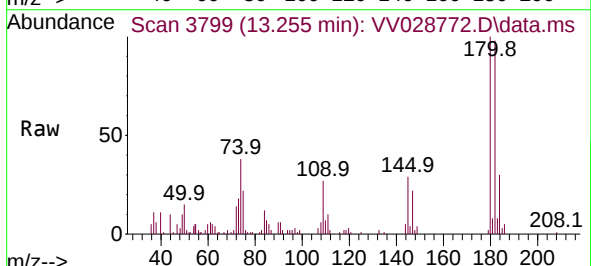
Tgt Ion:180 Resp: 16240

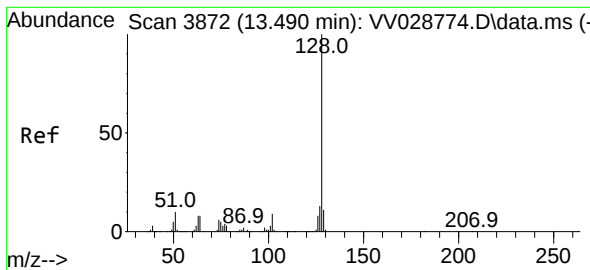
Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

145 31.2 25.1 37.7





#71

Naphthalene

Concen: 4.462 ug/L

RT: 13.493 min Scan# 3872

Delta R.T. 0.003 min

Lab File: VV028772.D

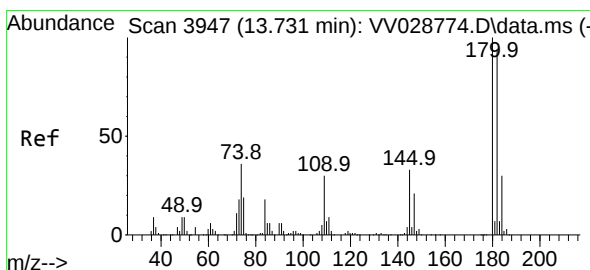
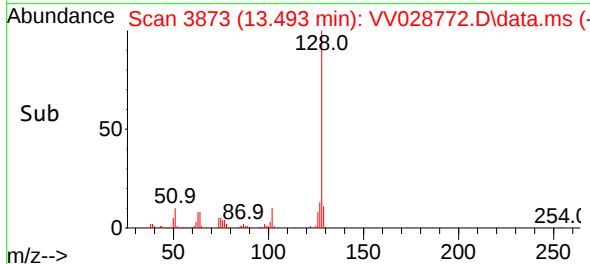
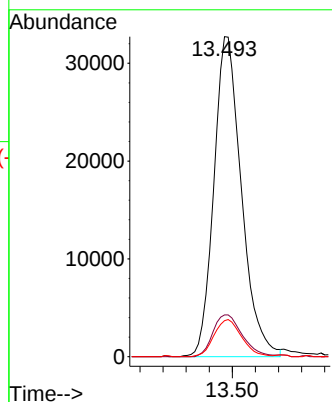
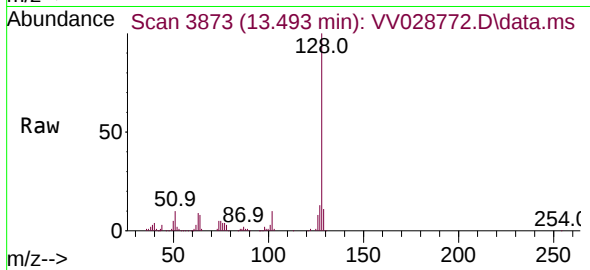
Acq: 31 Oct 2022 11:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	54178
Ion Ratio	Lower	Upper
128	100	
127	13.9	10.6 16.0
129	11.7	8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 4.285 ug/L

RT: 13.734 min Scan# 3948

Delta R.T. 0.003 min

Lab File: VV028772.D

Acq: 31 Oct 2022 11:20

Tgt Ion:180	Resp:	16318
Ion Ratio	Lower	Upper
180	100	
182	105.0	75.5 113.3
145	34.7	26.2 39.4

