

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103122\
 Data File : VW028774.D
 Acq On : 31 Oct 2022 12:08
 Operator : SY/MD
 Sample : VSTD05072
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 02:58:57 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	5.612	114	440053	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	410059	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	205880	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	207229	59.281	ug/L	0.00
7) Chloroethane-d5	1.561	69	175252	62.201	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	401603	65.180	ug/L	0.00
21) 2-Butanone-d5	3.870	46	321291	105.606	ug/L	0.00
24) Chloroform-d	4.342	84	321087	51.824	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.024	65	213260	53.103	ug/L	0.00
32) Benzene-d6	5.043	84	655675	50.468	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.063	67	226163	52.873	ug/L	0.00
41) Toluene-d8	7.310	98	584350	50.291	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.616	79	86746	41.989	ug/L	0.00
47) 2-Hexanone-d5	8.082	63	207652	92.183	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.207	84	292814	50.396	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.615	152	201750	48.254	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	161953	49.241	ug/L	100
3) Chloromethane	1.240	50	272065	67.184	ug/L	100
5) Vinyl chloride	1.310	62	248221	62.493	ug/L	100
6) Bromomethane	1.516	94	132016	69.612	ug/L	100
8) Chloroethane	1.577	64	158205	64.921	ug/L	100
9) Trichlorofluoromethane	1.748	101	295007	60.834	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	168433	61.109	ug/L	100
12) 1,1-Dichloroethene	2.114	96	165645	61.231	ug/L	100
13) Acetone	2.159	43	335573	131.353	ug/L	100
14) Carbon disulfide	2.291	76	453063	54.209	ug/L	100
15) Methyl Acetate	2.423	43	253180	60.704	ug/L	100
16) Methylene chloride	2.503	84	190254	55.492	ug/L	100
17) trans-1,2-Dichloroethene	2.754	96	160782	52.895	ug/L	100
18) Methyl tert-butyl Ether	2.764	73	554206	50.409	ug/L	100
19) 1,1-Dichloroethane	3.185	63	349510	55.689	ug/L	100
20) cis-1,2-Dichloroethene	3.905	96	177692	51.901	ug/L	100
22) 2-Butanone	3.950	43	381820	119.109	ug/L	100
23) Bromochloromethane	4.239	128	84913	51.325	ug/L	100
25) Chloroform	4.368	83	324105	53.601	ug/L	100
27) 1,2-Dichloroethane	5.124	62	266463	56.629	ug/L	100
29) Cyclohexane	4.670	56	332959	55.341	ug/L	100
30) 1,1,1-Trichloroethane	4.603	97	262449	49.963	ug/L	100
31) Carbon tetrachloride	4.821	117	208847	47.809	ug/L	100
33) Benzene	5.095	78	740476	54.068	ug/L	100
34) Trichloroethene	5.908	95	168130	50.315	ug/L	100
35) Methylcyclohexane	6.127	83	305666	52.150	ug/L	100
37) 1,2-Dichloropropane	6.169	63	206802	56.183	ug/L	100
38) Bromodichloromethane	6.503	83	231829	49.570	ug/L	100
39) cis-1,3-Dichloropropene	7.021	75	286383	50.240	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	690779	109.963	ug/L	100
42) Toluene	7.381	91	753178	53.522	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	263265	48.358	ug/L	100

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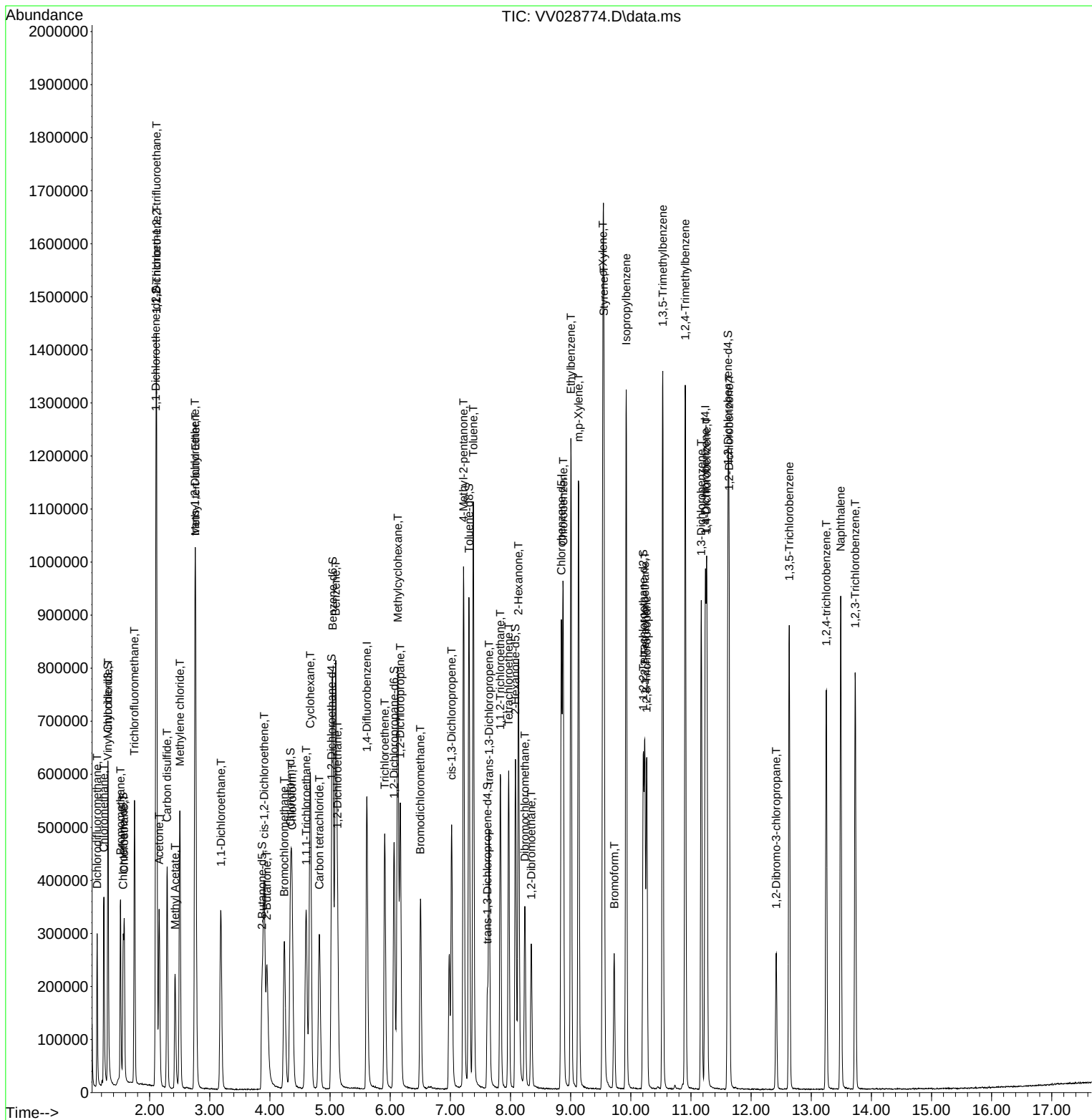
Instrument :
 MSVOA_V
 ClientSampleId :

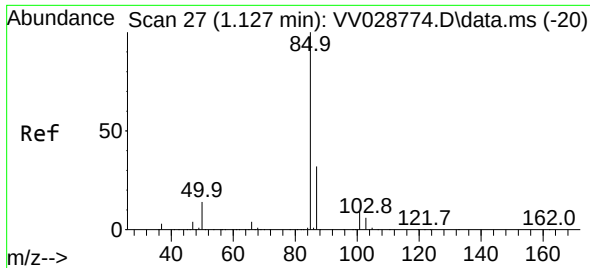
Quant Time: Nov 01 02:58:57 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.831	97	172540	51.322	ug/L	100
46) Tetrachloroethene	7.969	164	119291	49.899	ug/L	100
48) 2-Hexanone	8.133	43	535061	110.446	ug/L	100
49) Dibromochloromethane	8.239	129	160538	45.806	ug/L	100
50) 1,2-Dibromoethane	8.345	107	174942	50.602	ug/L	100
51) Chlorobenzene	8.876	112	452012	51.620	ug/L	100
52) Ethylbenzene	9.005	91	813741	53.138	ug/L	100
53) m,p-Xylene	9.133	106	298385	51.733	ug/L	100
54) o-Xylene	9.535	106	296346	51.445	ug/L	100
55) Styrene	9.554	104	515962	52.123	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	312485	53.600	ug/L	100
59) Bromoform	9.725	173	102804	42.142	ug/L	100
60) Isopropylbenzene	9.924	105	791359	52.868	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	243136	54.399	ug/L	100
62) 1,3,5-Trimethylbenzene	10.532	105	667440	51.798	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	663102	51.830	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	329322	50.760	ug/L	100
65) 1,4-Dichlorobenzene	11.265	146	331106	51.085	ug/L	100
67) 1,2-Dichlorobenzene	11.635	146	333572	50.963	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.419	75	60528	45.980	ug/L	100
69) 1,3,5-Trichlorobenzene	12.635	180	233216	47.961	ug/L	100
70) 1,2,4-trichlorobenzene	13.252	180	198429	46.907	ug/L	100
71) Naphthalene	13.490	128	651095	48.876	ug/L	100
72) 1,2,3-Trichlorobenzene	13.731	180	208997	50.024	ug/L	100

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

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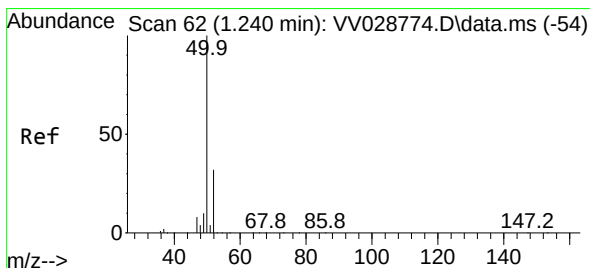
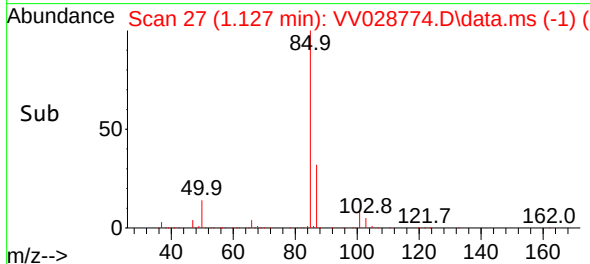
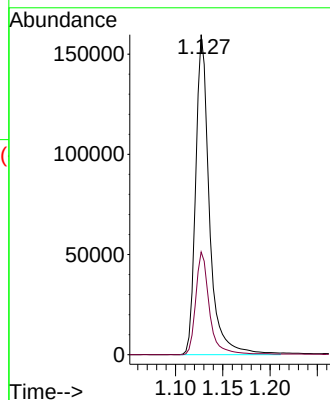
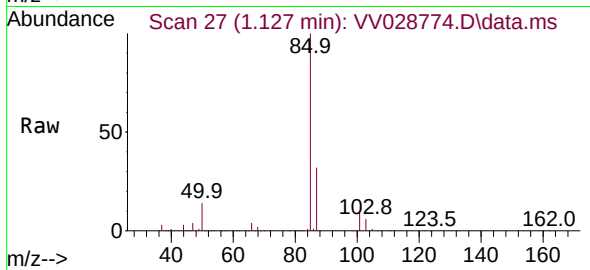




#2
 Dichlorodifluoromethane
 Concen: 49.241 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028774.D
 Acq: 31 Oct 2022 12:08

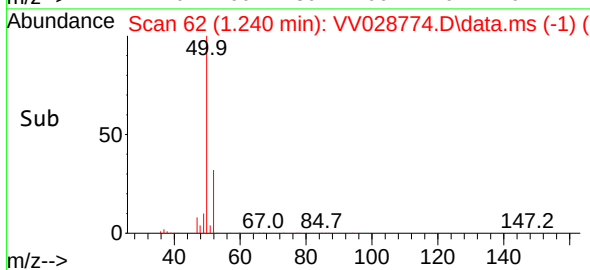
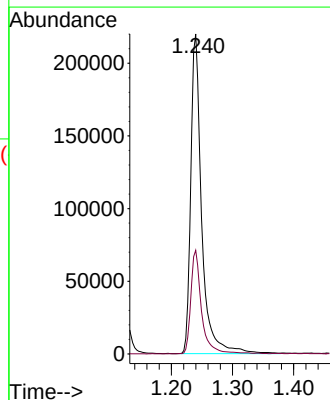
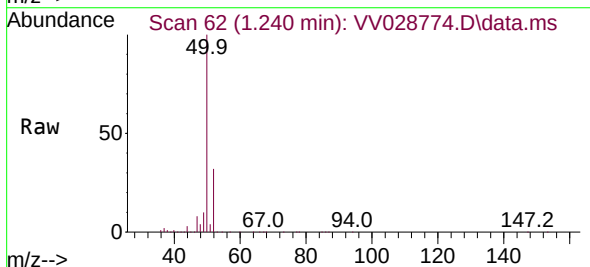
Instrument :
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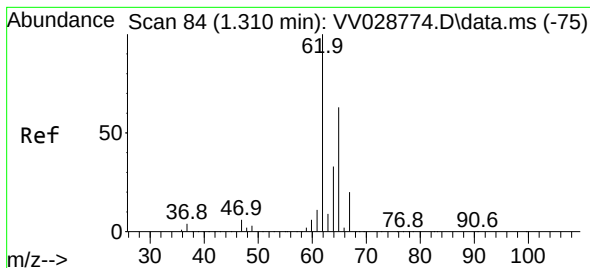
Tgt Ion: 85 Resp: 161953
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.4 38.0



#3
 Chloromethane
 Concen: 67.184 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV028774.D
 Acq: 31 Oct 2022 12:08

Tgt Ion: 50 Resp: 272065
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.7 42.1





#5

Vinyl chloride

Concen: 62.493 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

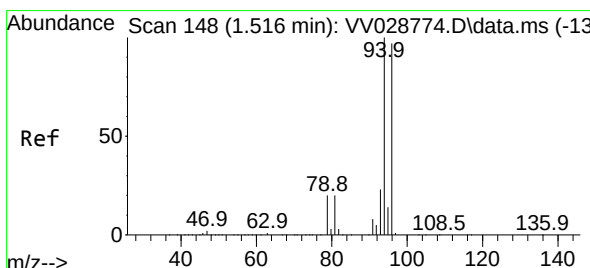
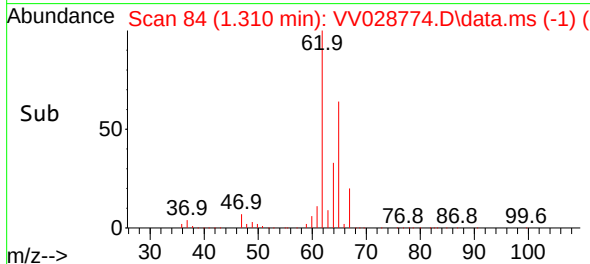
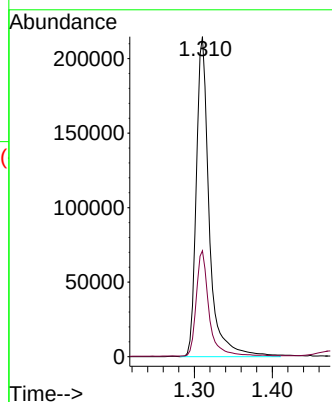
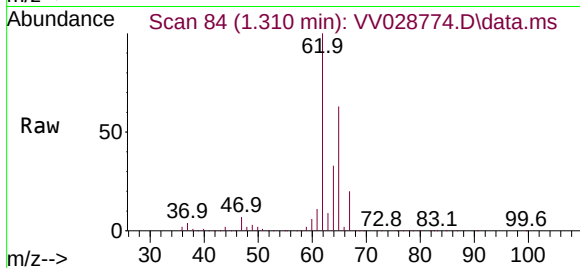
ClientSampleId :

Tgt Ion: 62 Resp: 248221

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 69.612 ug/L

RT: 1.516 min Scan# 148

Delta R.T. 0.000 min

Lab File: VV028774.D

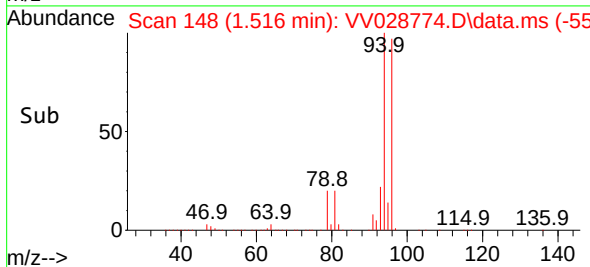
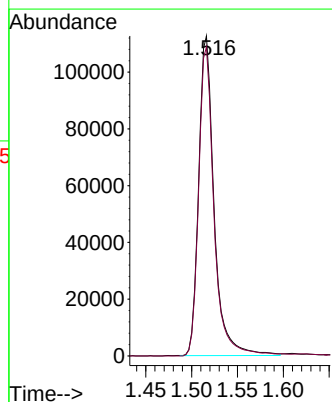
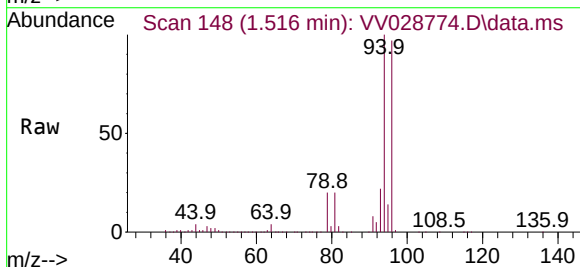
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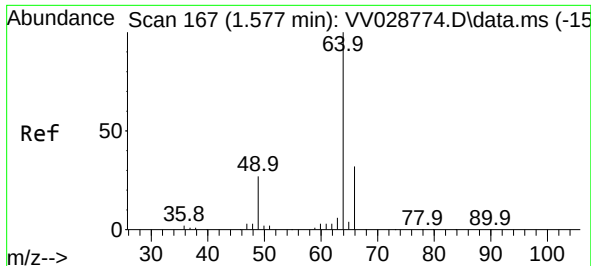
Tgt Ion: 94 Resp: 132016

Ion Ratio Lower Upper

94 100

96 96.6 67.6 125.6

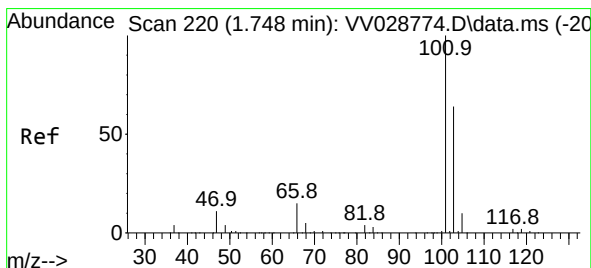
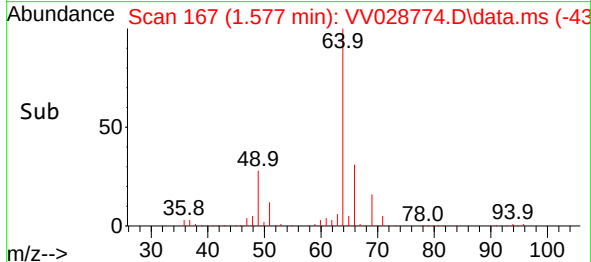
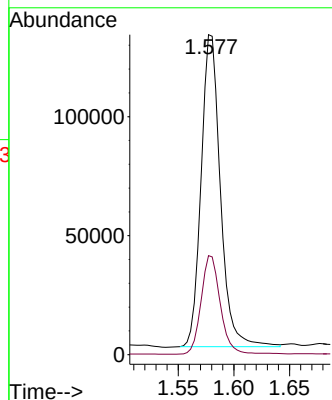
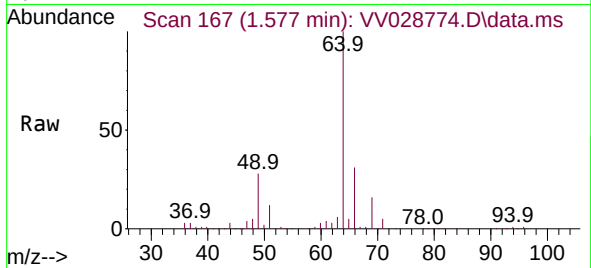




#8
Chloroethane
Concen: 64.921 ug/L
RT: 1.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

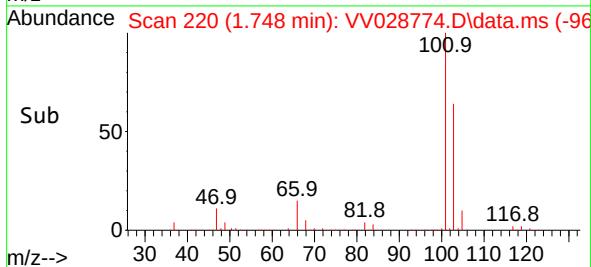
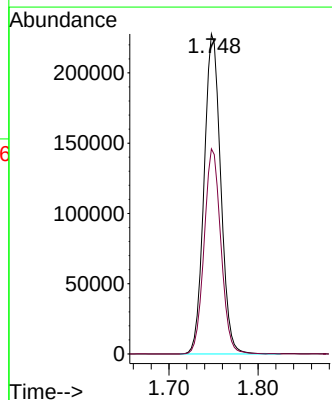
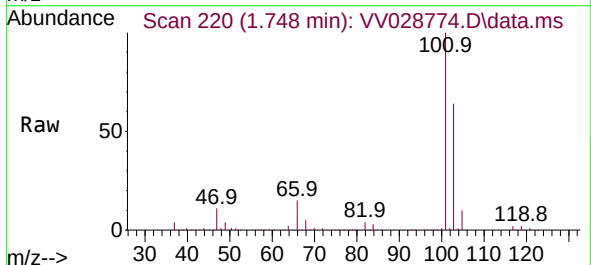
Instrument :
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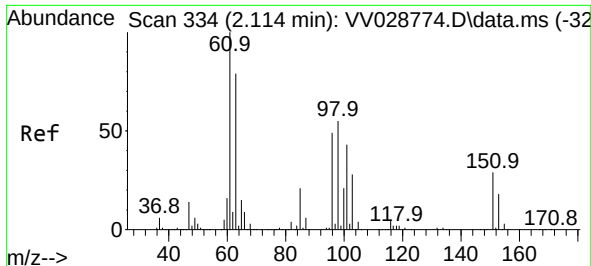
Tgt Ion: 64 Resp: 158205
Ion Ratio Lower Upper
64 100
66 31.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 60.834 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion:101 Resp: 295007
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

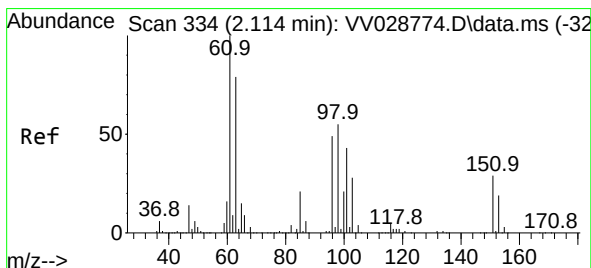
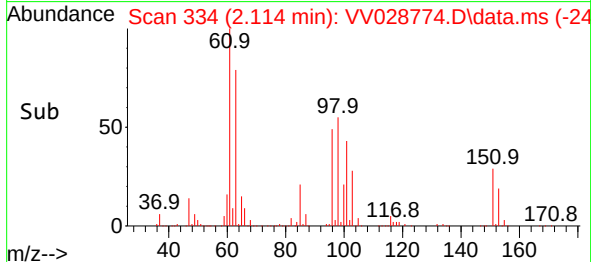
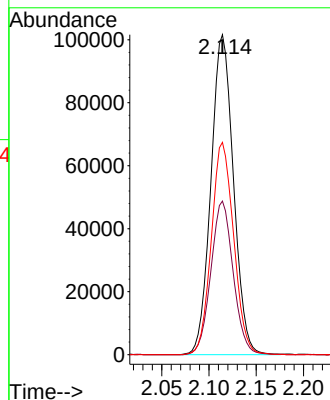
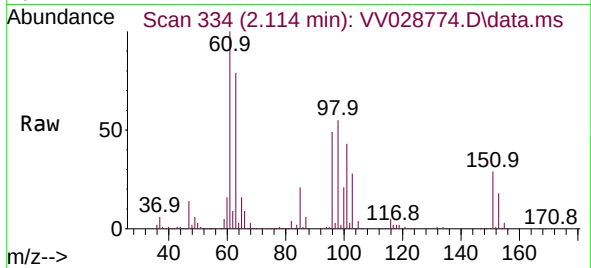




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 61.109 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028774.D
 Acq: 31 Oct 2022 12:08

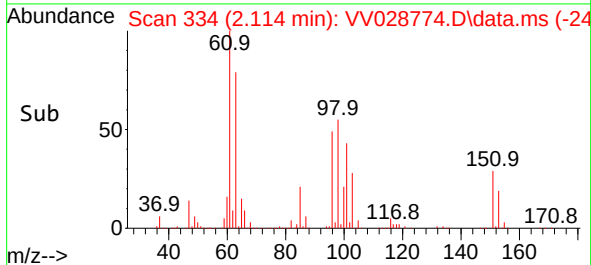
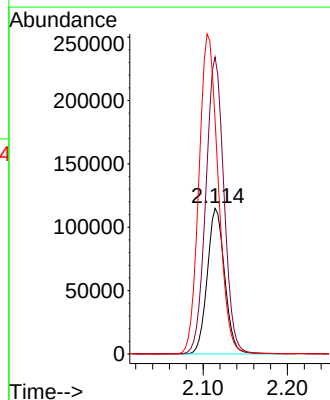
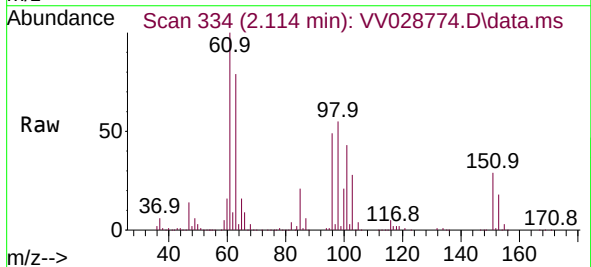
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 ClientSampleId :

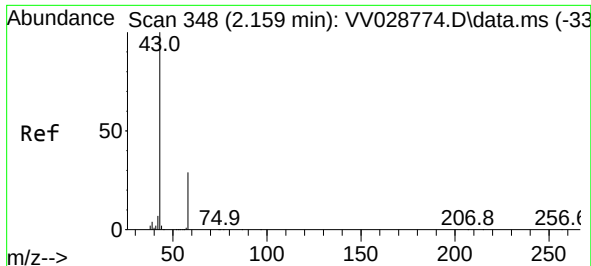
Tgt Ion:101 Resp: 168433
 Ion Ratio Lower Upper
 101 100
 85 47.5 38.0 57.0
 151 65.9 52.7 79.1



#12
 1,1-Dichloroethene
 Concen: 61.231 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028774.D
 Acq: 31 Oct 2022 12:08

Tgt Ion: 96 Resp: 165645
 Ion Ratio Lower Upper
 96 100
 61 203.9 142.7 265.1
 63 160.7 112.5 208.9





#13

Acetone

Concen: 131.353 ug/L

RT: 2.159 min Scan# 348

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

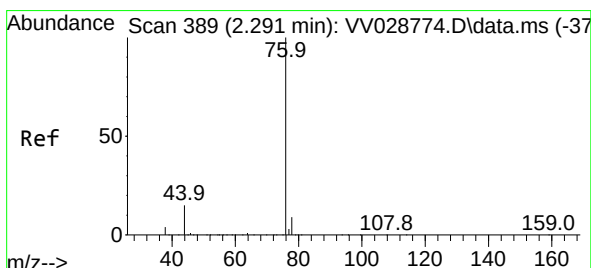
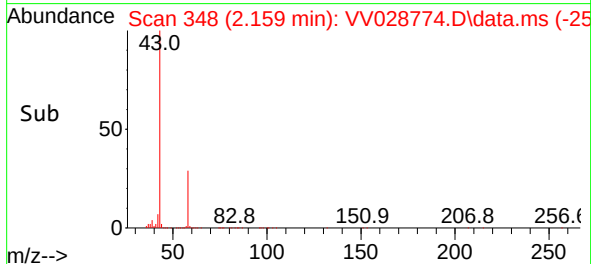
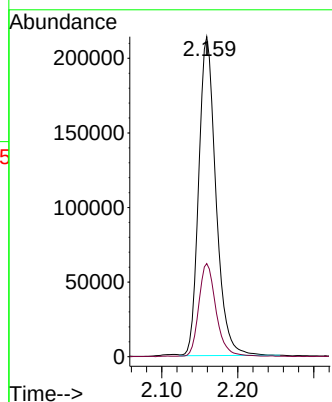
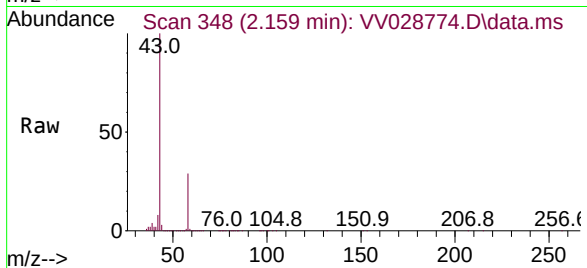
ClientSampleId :

Tgt Ion: 43 Resp: 335573

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.0



#14

Carbon disulfide

Concen: 54.209 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV028774.D

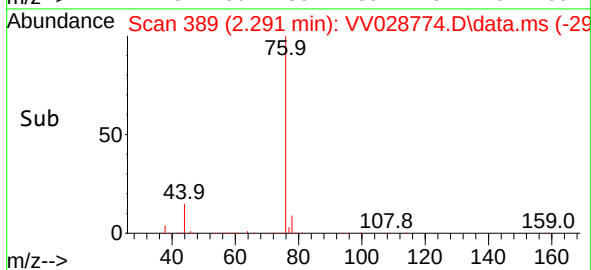
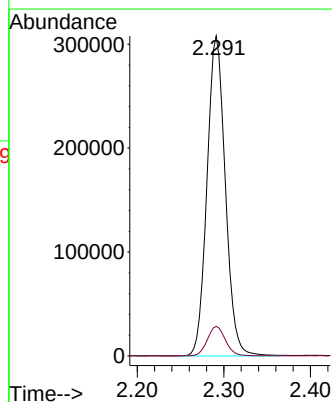
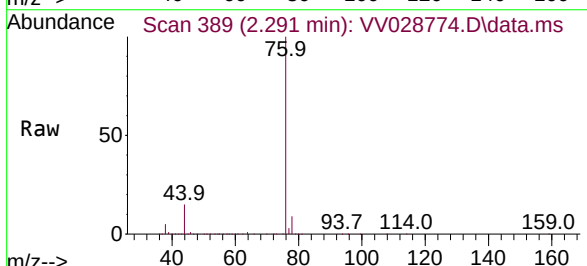
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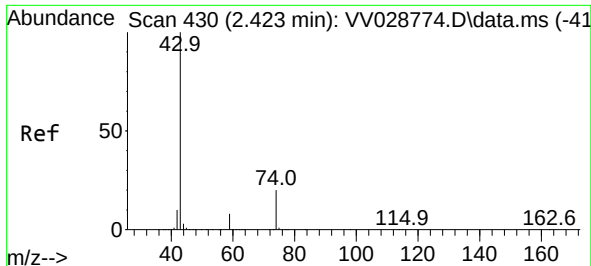
Tgt Ion: 76 Resp: 453063

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

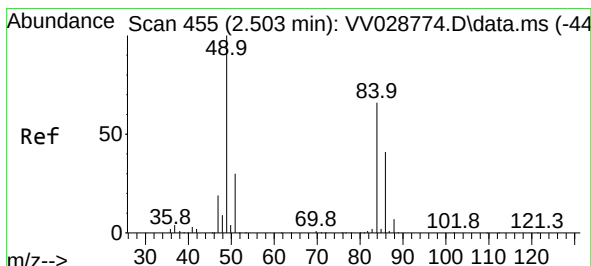
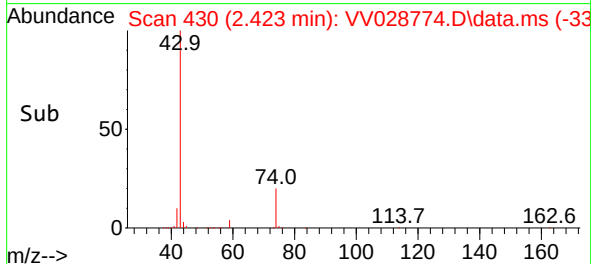
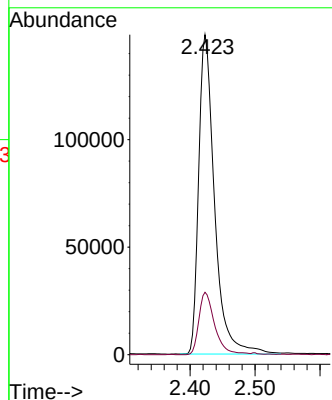
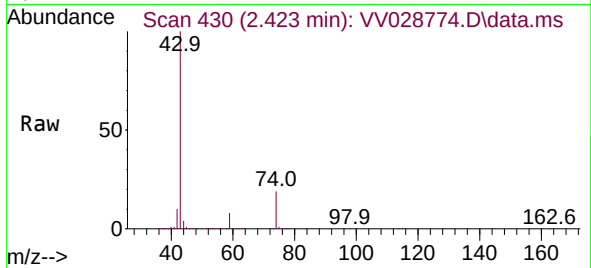




#15
Methyl Acetate
Concen: 60.704 ug/L
RT: 2.423 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

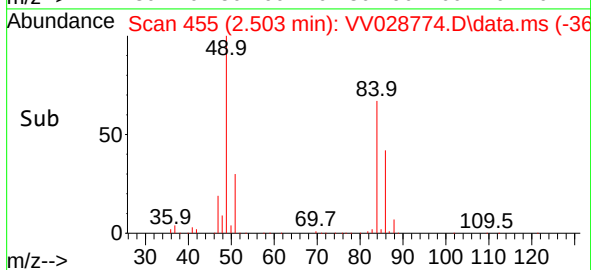
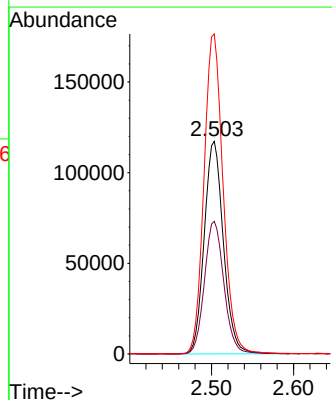
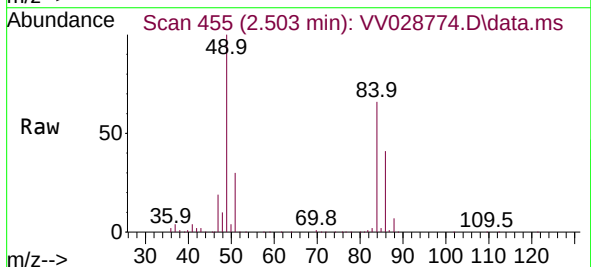
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MSVOA_V
ClientSampleId :

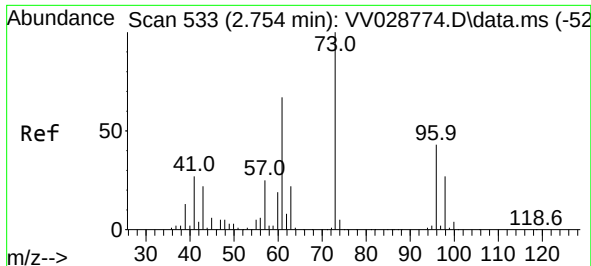
Tgt Ion: 43 Resp: 253180
Ion Ratio Lower Upper
43 100
74 19.5 15.6 23.4



#16
Methylene chloride
Concen: 55.492 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion: 84 Resp: 190254
Ion Ratio Lower Upper
84 100
86 62.4 43.7 81.1
49 150.4 105.3 195.5

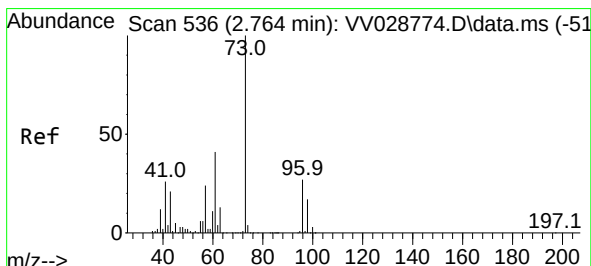
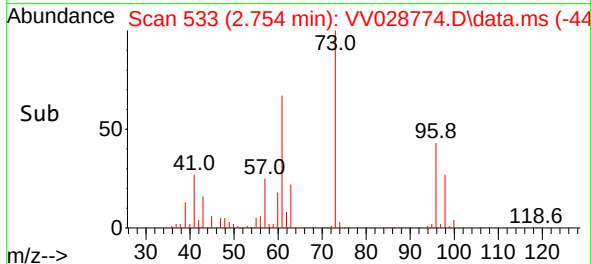
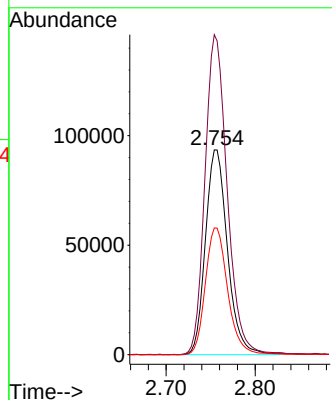
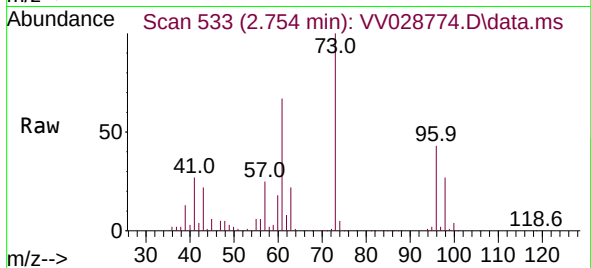




#17
trans-1,2-Dichloroethene
Concen: 52.895 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

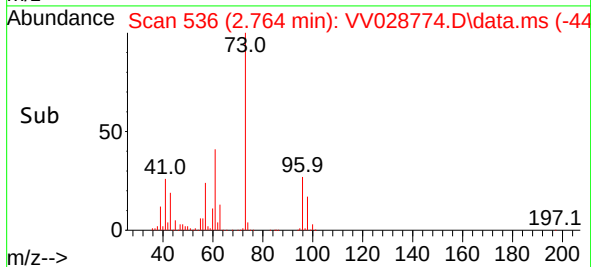
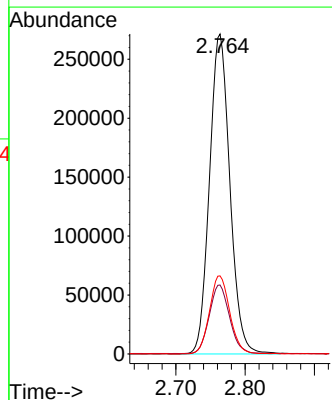
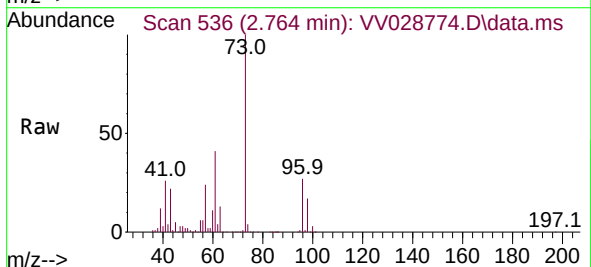
Instrument :
MSVOA_V
ClientSampleId :

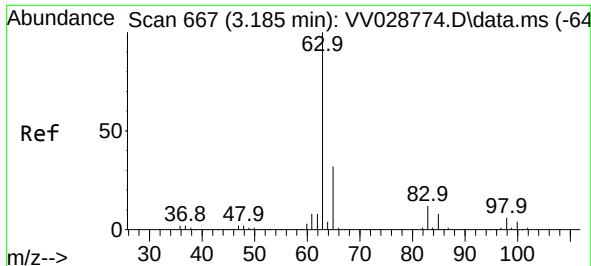
Tgt Ion: 96 Resp: 160782
Ion Ratio Lower Upper
96 100
61 156.3 109.4 203.2
98 61.9 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 50.409 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion: 73 Resp: 554206
Ion Ratio Lower Upper
73 100
43 21.4 17.1 25.7
57 24.1 19.3 28.9





#19

1,1-Dichloroethane

Concen: 55.689 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

ClientSampleId :

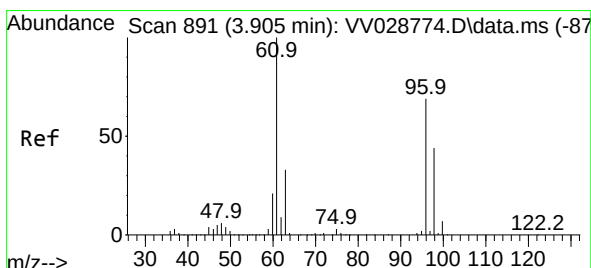
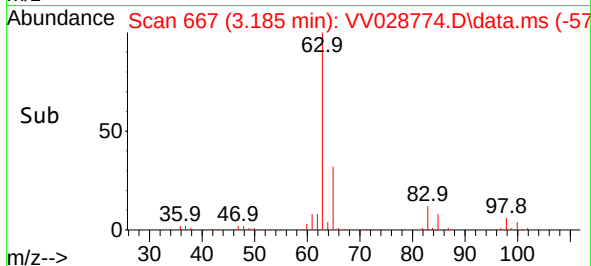
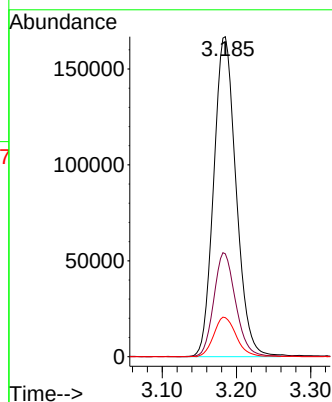
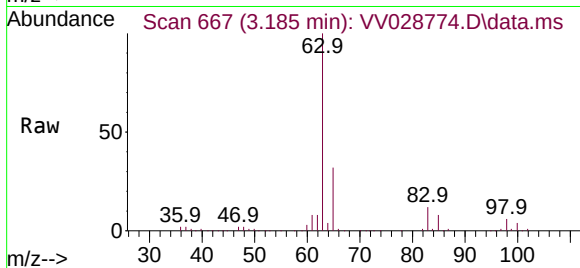
Tgt Ion: 63 Resp: 349510

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.9

83 12.2 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 51.901 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

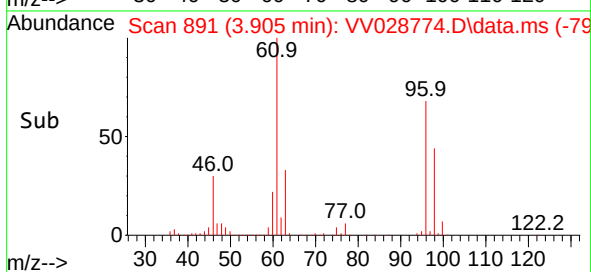
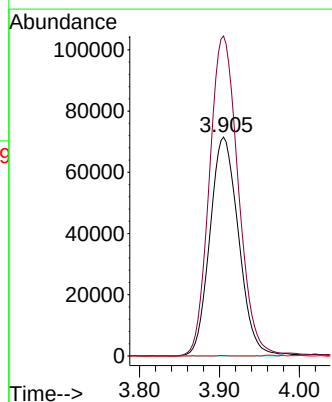
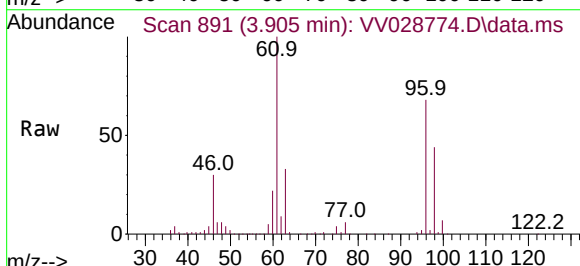
Tgt Ion: 96 Resp: 177692

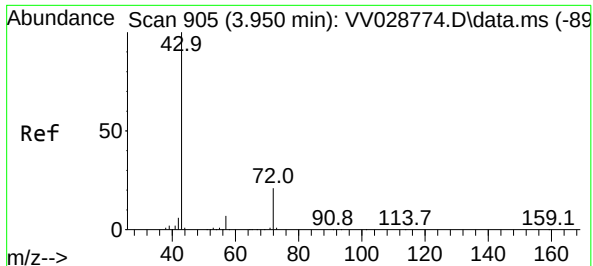
Ion Ratio Lower Upper

96 100

61 146.2 102.3 190.1

68 0.2 0.1 0.3

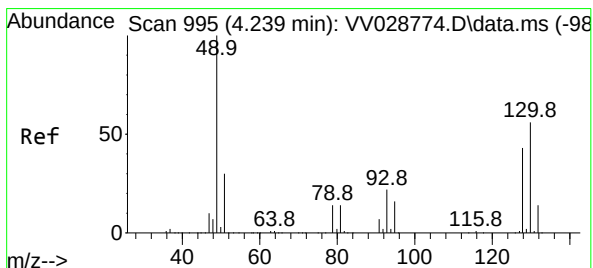
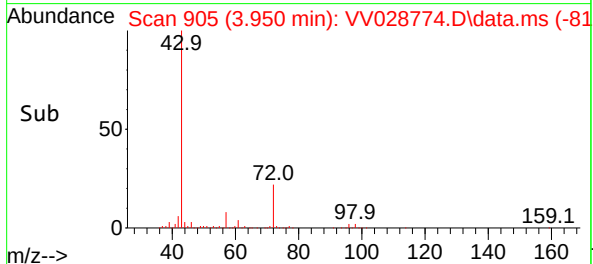
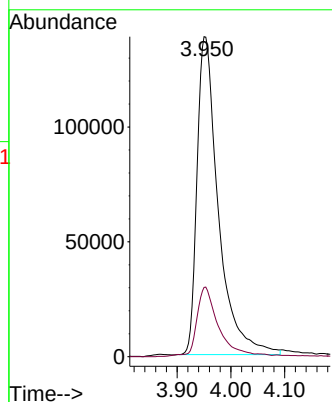
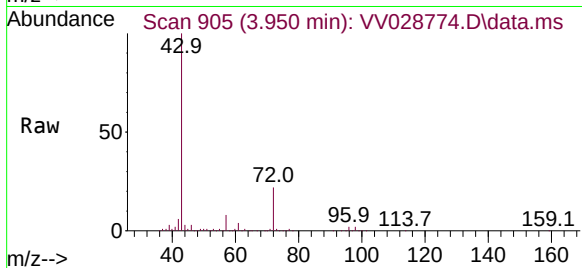




#22
2-Butanone
Concen: 119.109 ug/L
RT: 3.950 min Scan# 905
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

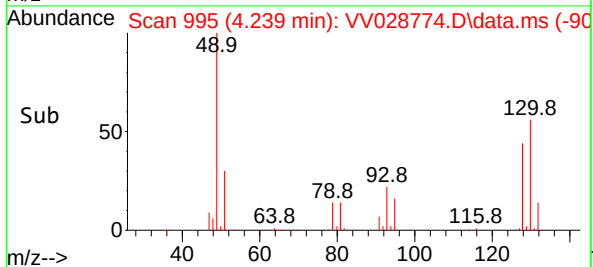
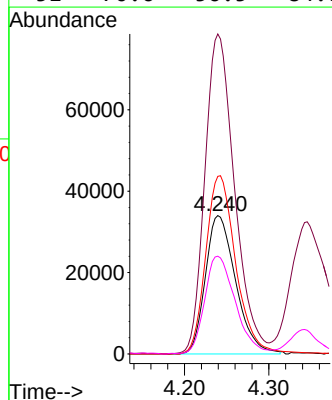
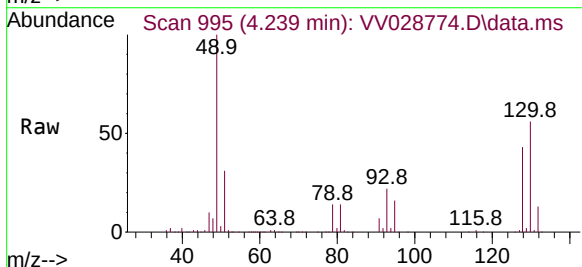
Instrument :
MSVOA_V
ClientSampleId :

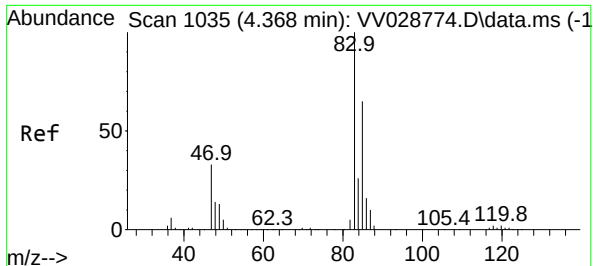
Tgt Ion: 43 Resp: 381820
Ion Ratio Lower Upper
43 100
72 20.0 10.0 30.0



#23
Bromochloromethane
Concen: 51.325 ug/L
RT: 4.239 min Scan# 995
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion:128 Resp: 84913
Ion Ratio Lower Upper
128 100
49 231.2 161.8 300.6
130 128.4 89.9 166.9
51 70.6 56.5 84.7





#25

Chloroform

Concen: 53.601 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

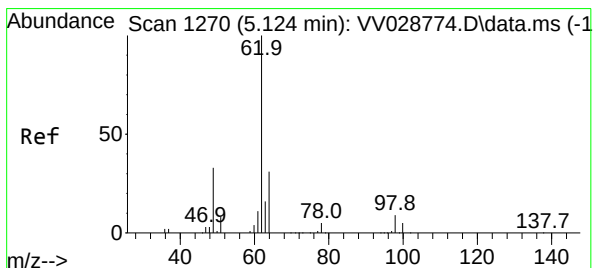
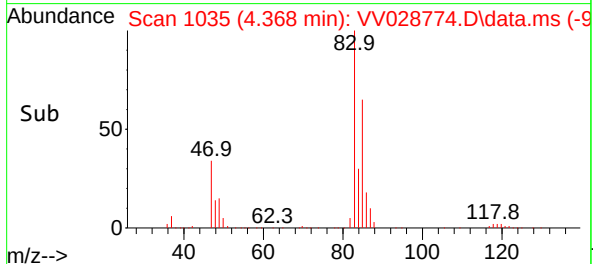
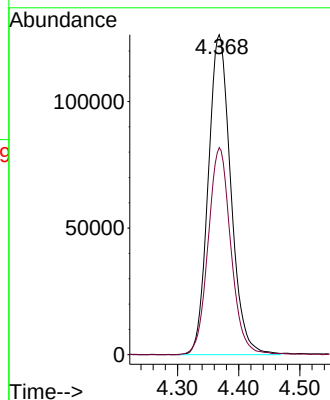
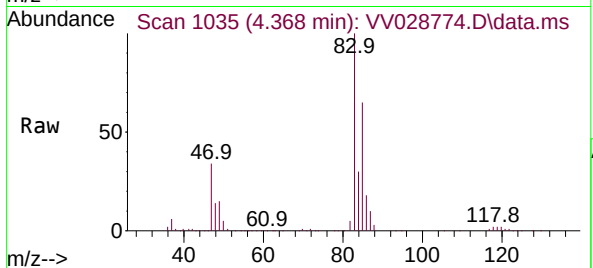
ClientSampleId :

Tgt Ion: 83 Resp: 324105

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 56.629 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VV028774.D

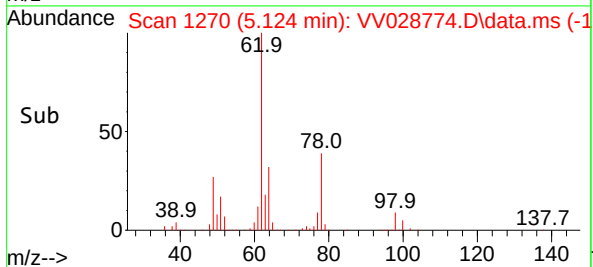
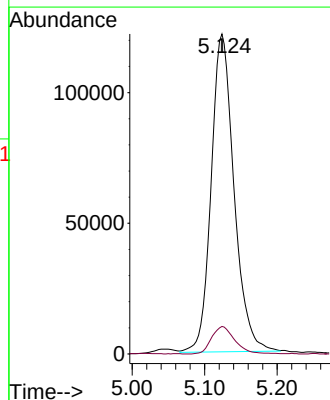
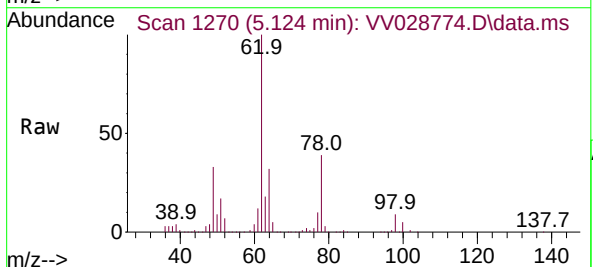
Acq: 31 Oct 2022 12:08

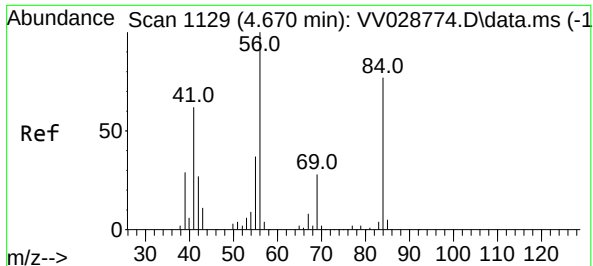
Tgt Ion: 62 Resp: 266463

Ion Ratio Lower Upper

62 100

98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 55.341 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

ClientSampleId :

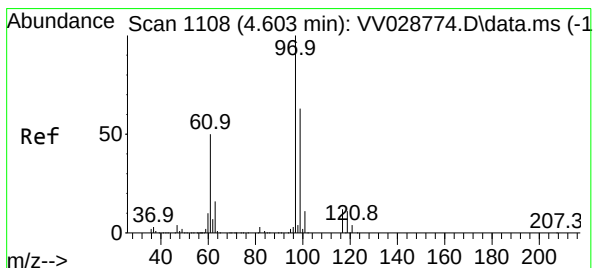
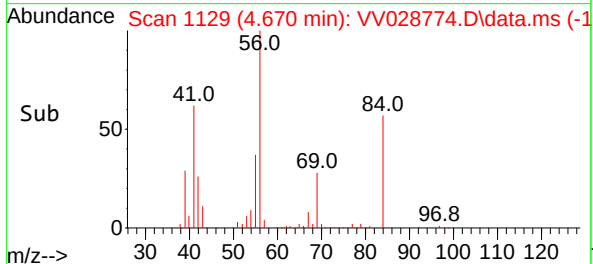
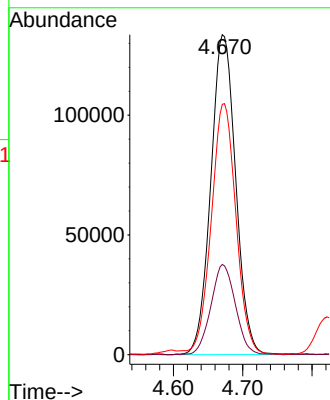
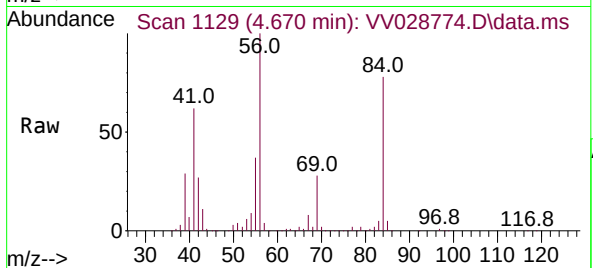
Tgt Ion: 56 Resp: 332959

Ion Ratio Lower Upper

56 100

69 27.7 22.2 33.2

84 77.9 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 49.963 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

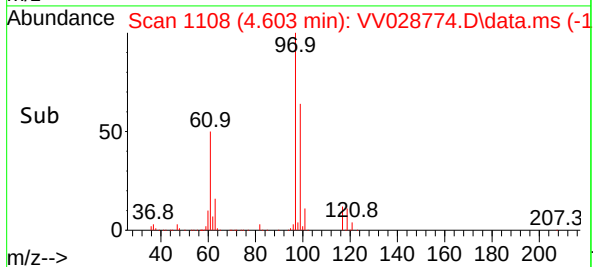
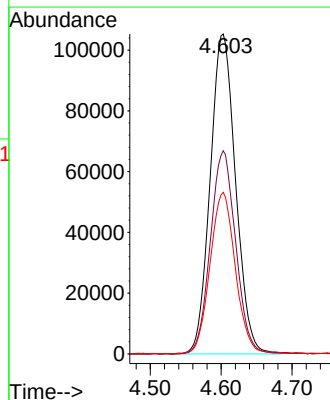
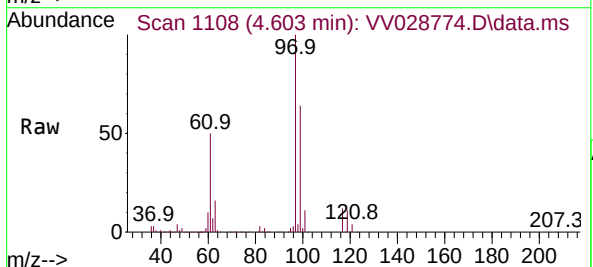
Tgt Ion: 97 Resp: 262449

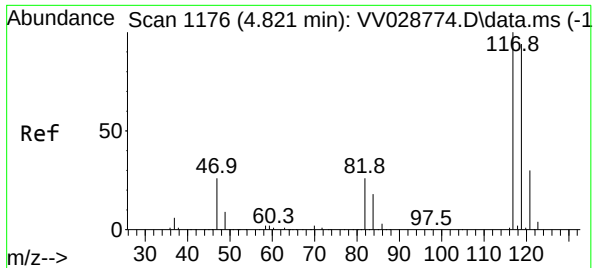
Ion Ratio Lower Upper

97 100

99 62.8 50.2 75.4

61 50.3 40.2 60.4

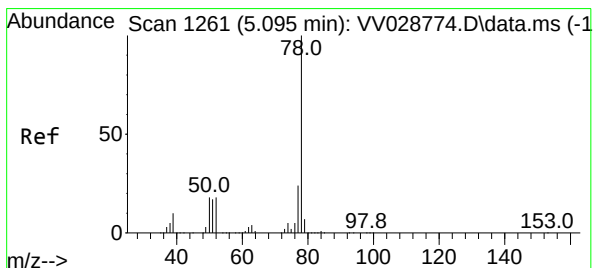
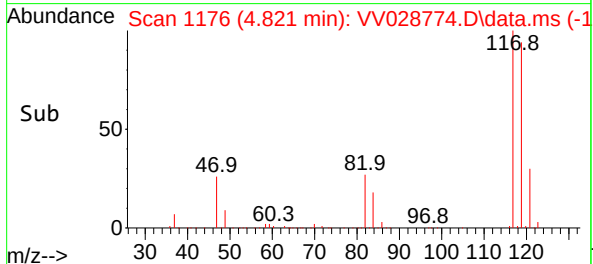
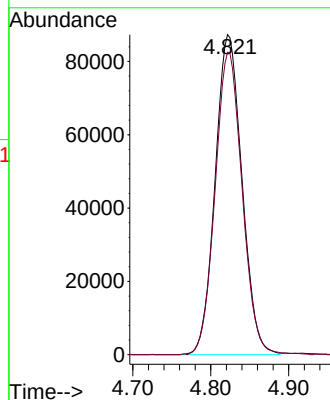
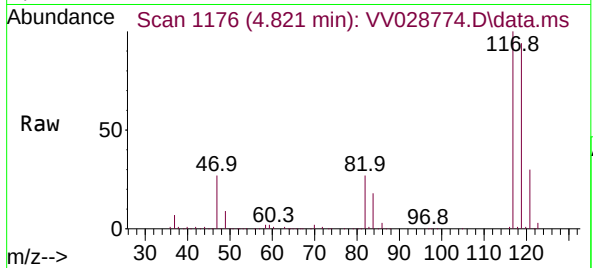




#31
Carbon tetrachloride
Concen: 47.809 ug/L
RT: 4.821 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

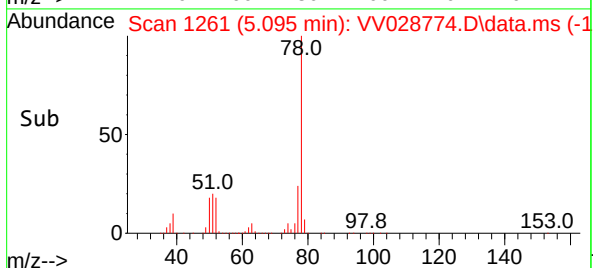
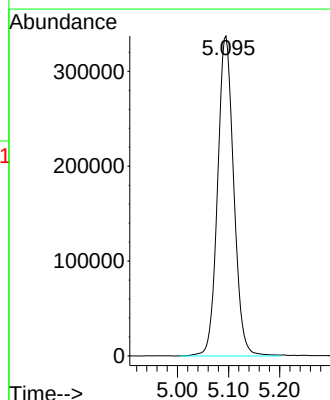
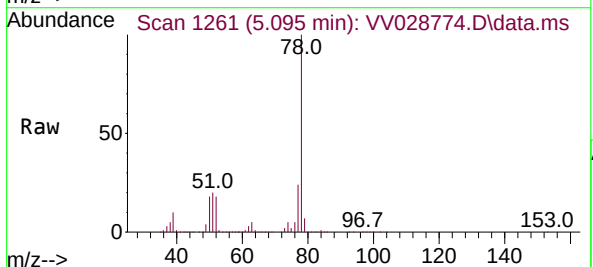
Instrument :
MSVOA_V
ClientSampleId :

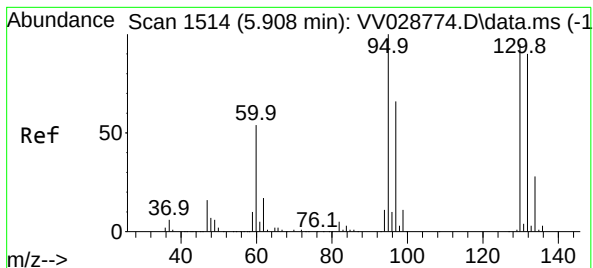
Tgt Ion:117 Resp: 208847
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1



#33
Benzene
Concen: 54.068 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion: 78 Resp: 740476





#34

Trichloroethene

Concen: 50.315 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 168130

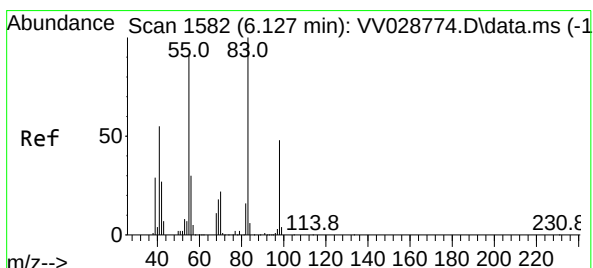
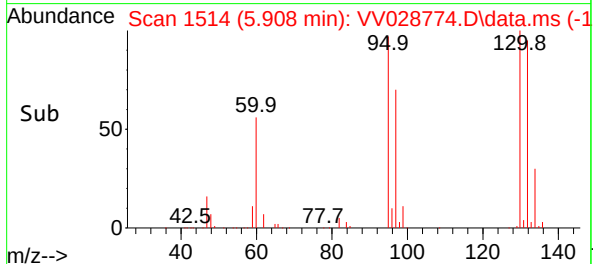
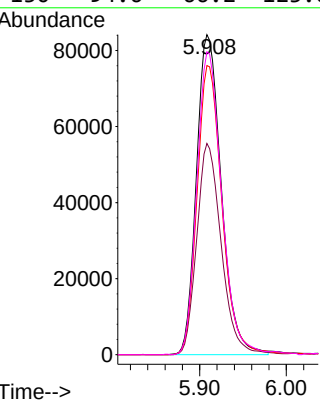
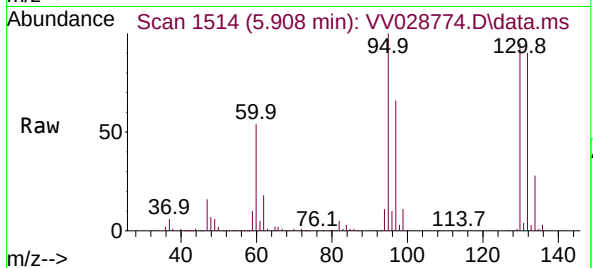
Ion Ratio Lower Upper

95 100

97 66.0 46.2 85.8

132 90.3 63.2 117.4

130 94.6 66.2 123.0



#35

Methylcyclohexane

Concen: 52.150 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

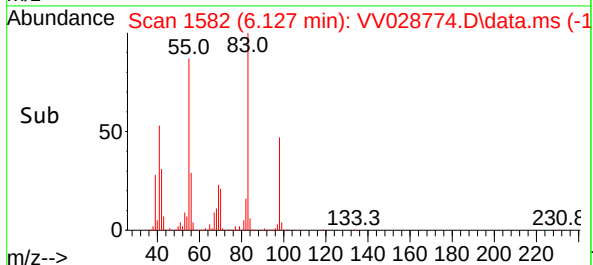
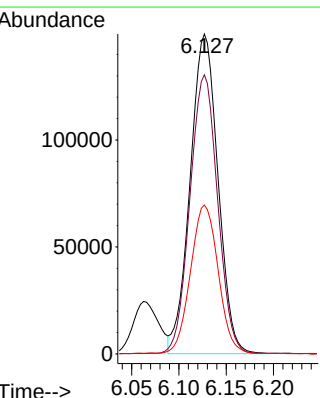
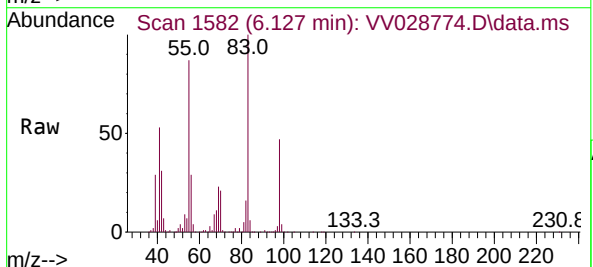
Tgt Ion: 83 Resp: 305666

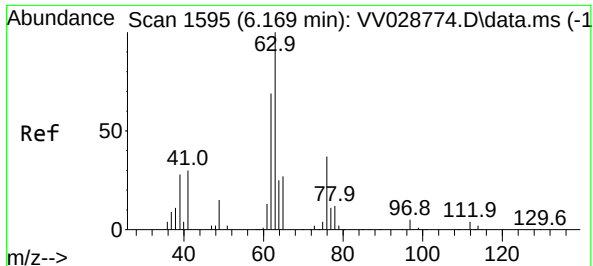
Ion Ratio Lower Upper

83 100

55 86.8 69.4 104.2

98 46.2 37.0 55.4





#37

1,2-Dichloropropane

Concen: 56.183 ug/L

RT: 6.169 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

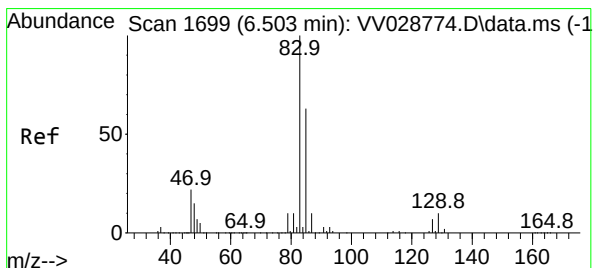
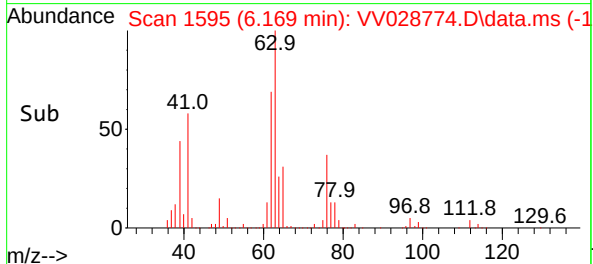
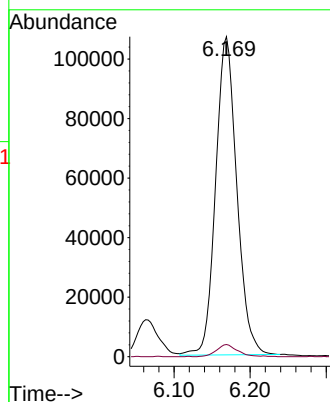
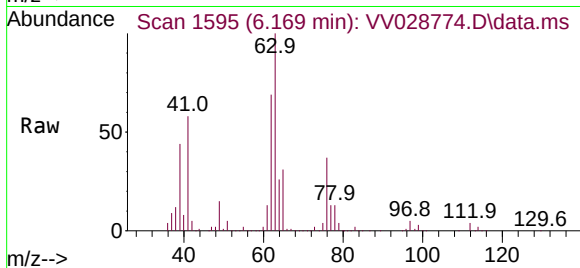
ClientSampleId :

Tgt Ion: 63 Resp: 206802

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 49.570 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

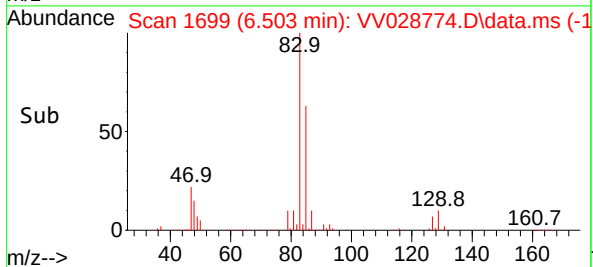
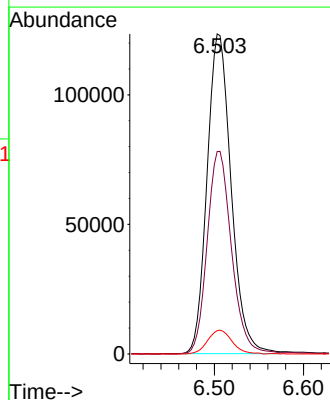
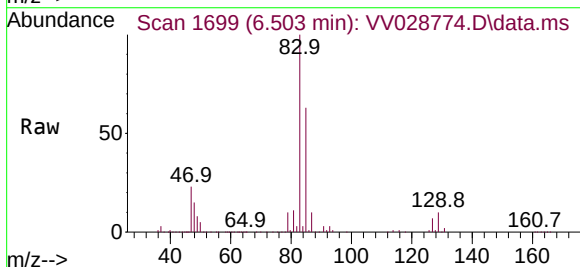
Tgt Ion: 83 Resp: 231829

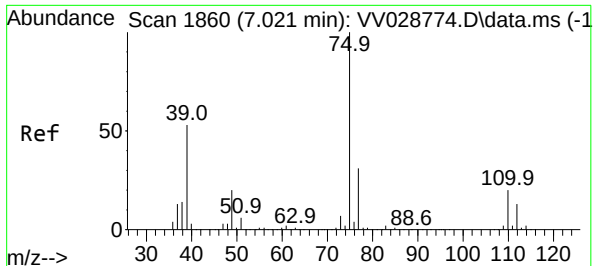
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

127 7.3 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 50.240 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

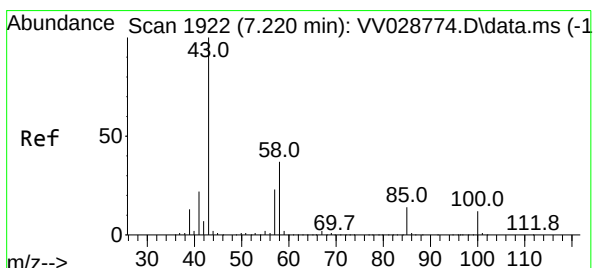
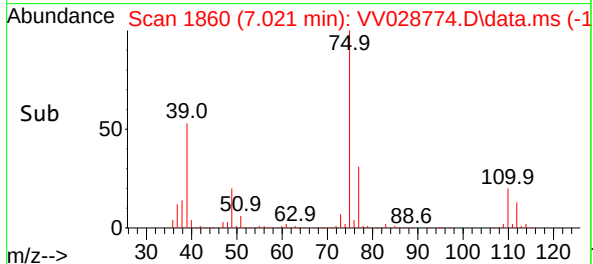
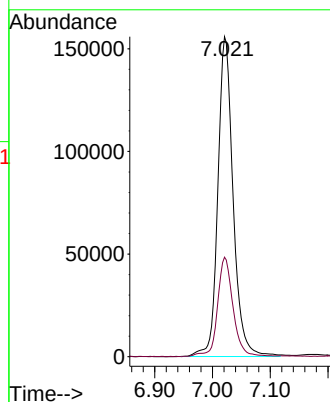
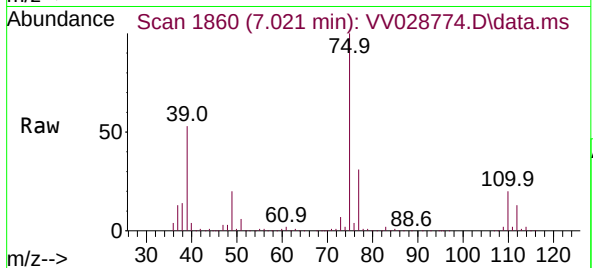
ClientSampleId :

Tgt Ion: 75 Resp: 286383

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 109.963 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

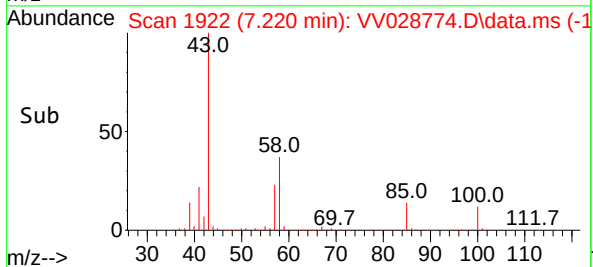
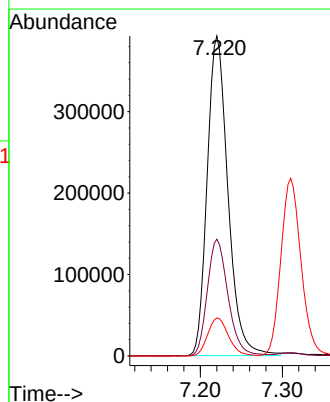
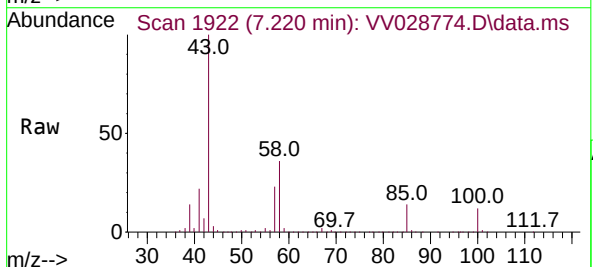
Tgt Ion: 43 Resp: 690779

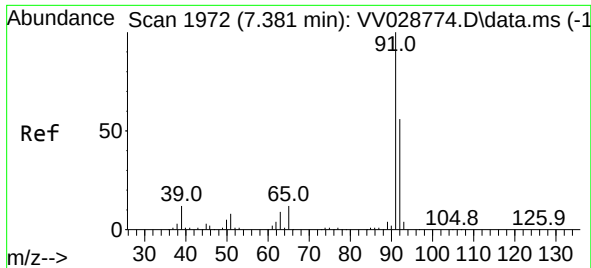
Ion Ratio Lower Upper

43 100

58 36.4 29.1 43.7

100 11.9 9.5 14.3





#42

Toluene

Concen: 53.522 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

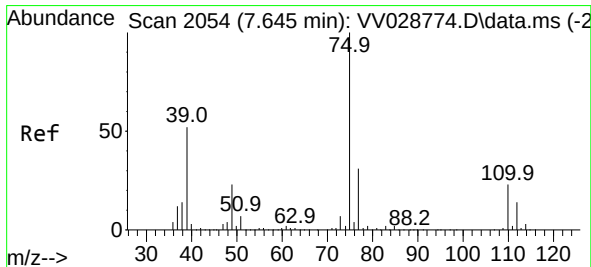
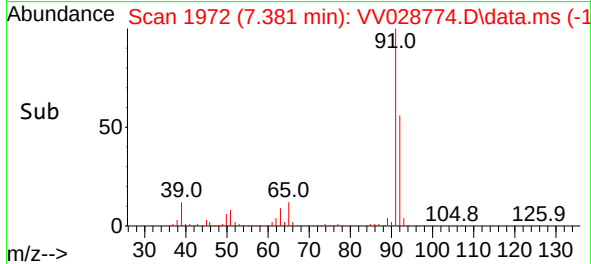
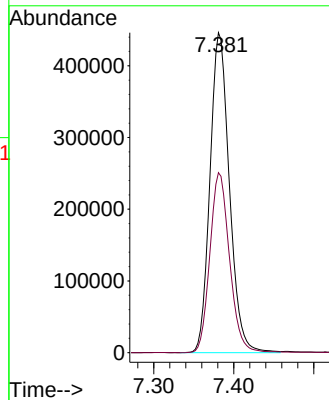
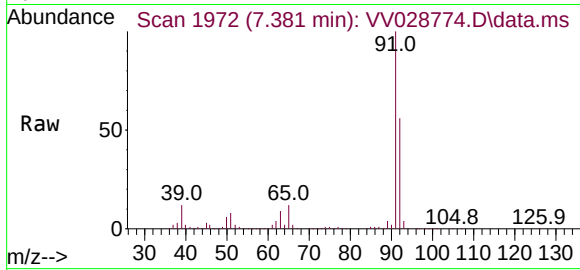
ClientSampleId :

Tgt Ion: 91 Resp: 753178

Ion Ratio Lower Upper

91 100

92 56.2 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 48.358 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VV028774.D

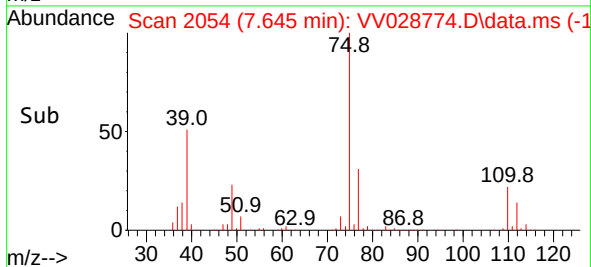
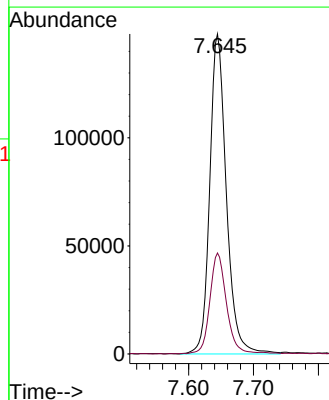
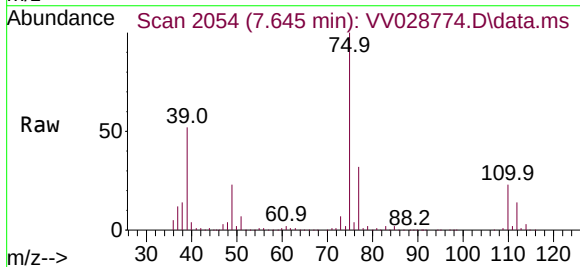
Acq: 31 Oct 2022 12:08

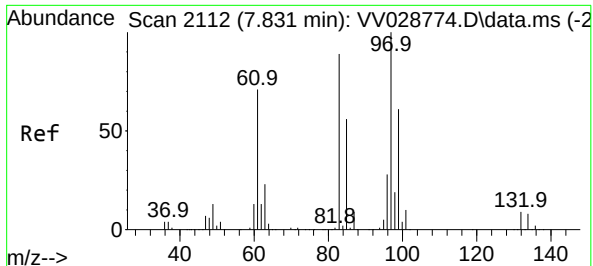
Tgt Ion: 75 Resp: 263265

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 51.322 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 172540

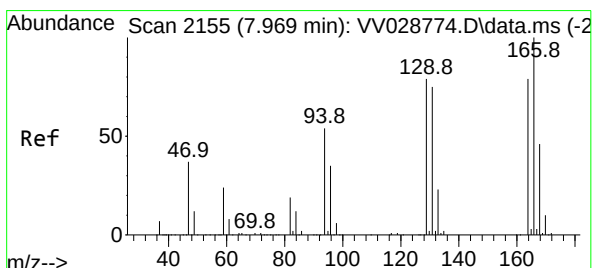
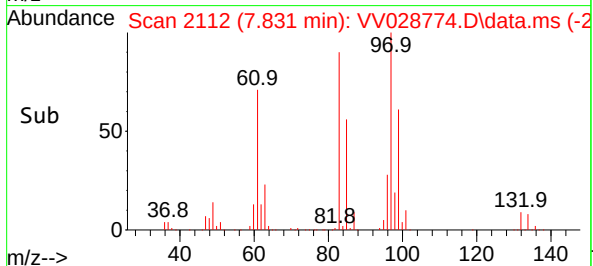
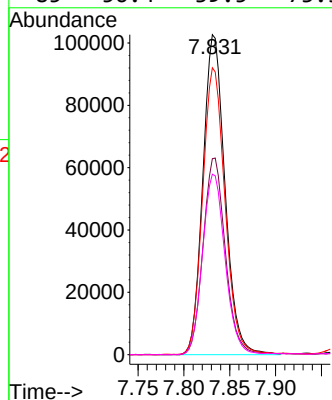
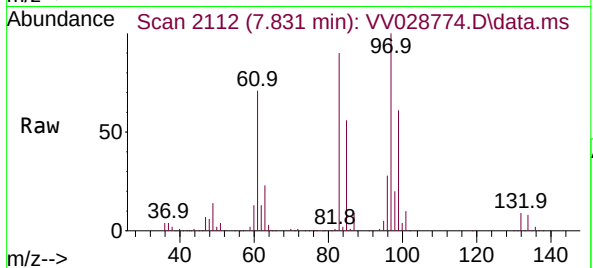
Ion Ratio Lower Upper

97 100

99 61.3 42.9 79.7

83 89.6 62.7 116.5

85 56.4 39.5 73.3



#46

Tetrachloroethene

Concen: 49.899 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Tgt Ion: 164 Resp: 119291

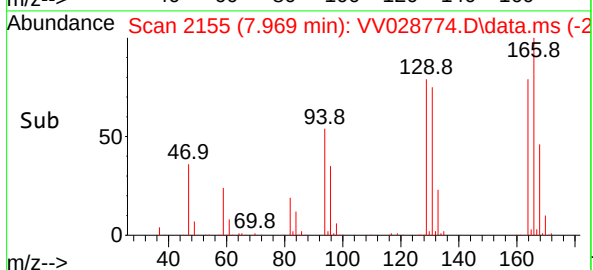
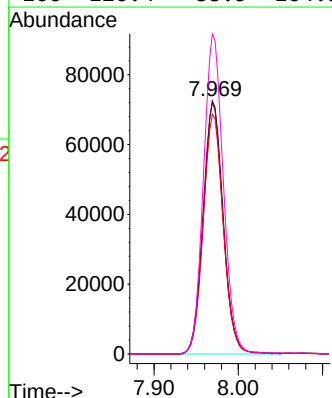
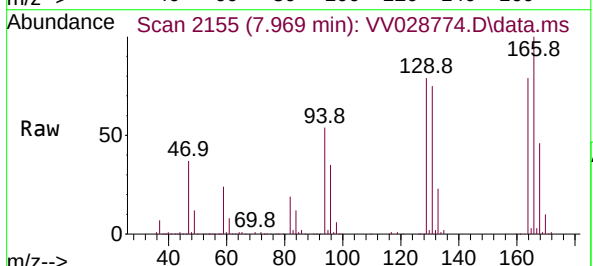
Ion Ratio Lower Upper

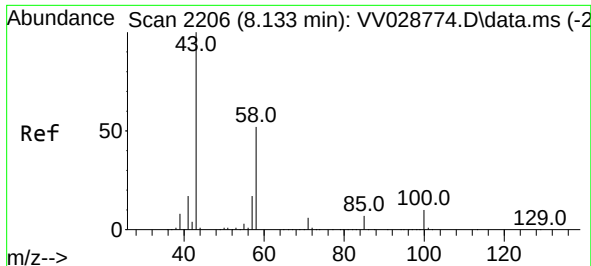
164 100

129 99.3 69.5 129.1

131 94.8 66.4 123.2

166 126.4 88.5 164.3

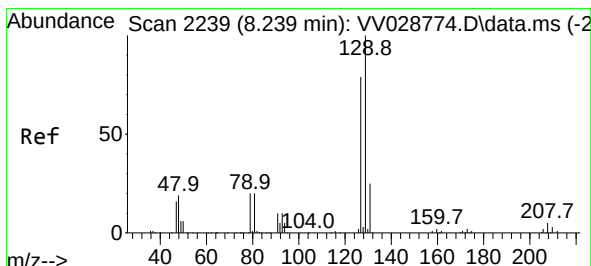
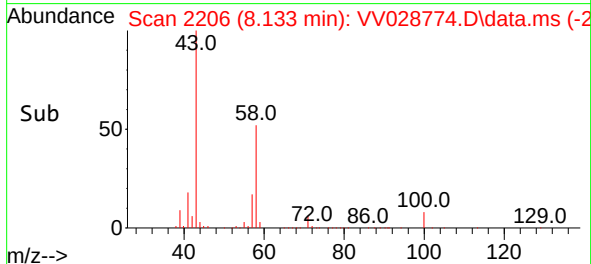
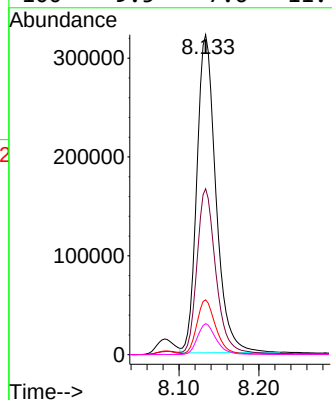
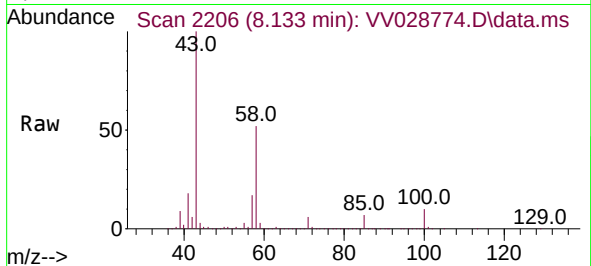




#48
2-Hexanone
Concen: 110.446 ug/L
RT: 8.133 min Scan# 2206
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

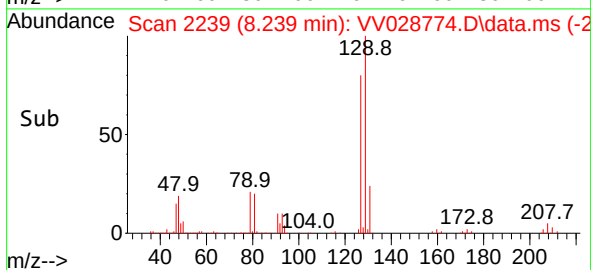
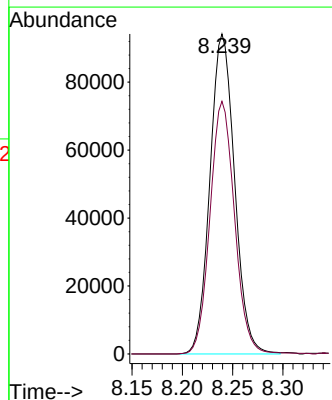
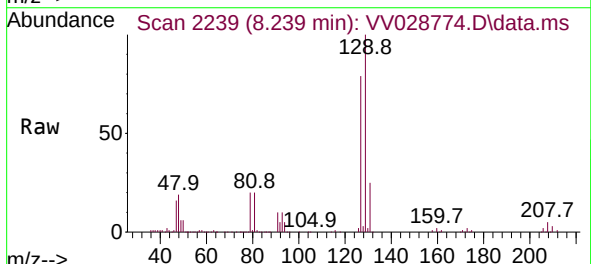
Instrument :
MSVOA_V
ClientSampleId :

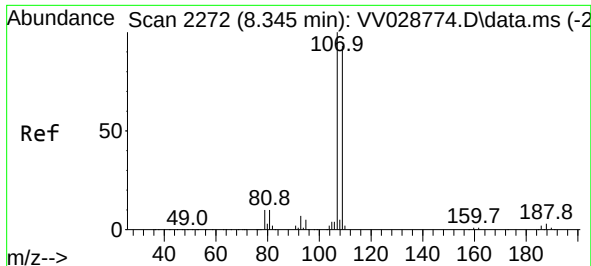
Tgt Ion: 43 Resp: 535061
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 17.2 13.8 20.6
100 9.5 7.6 11.4



#49
Dibromochloromethane
Concen: 45.806 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion: 129 Resp: 160538
Ion Ratio Lower Upper
129 100
127 79.0 55.3 102.7





#50

1,2-Dibromoethane

Concen: 50.602 ug/L

RT: 8.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

ClientSampleId :

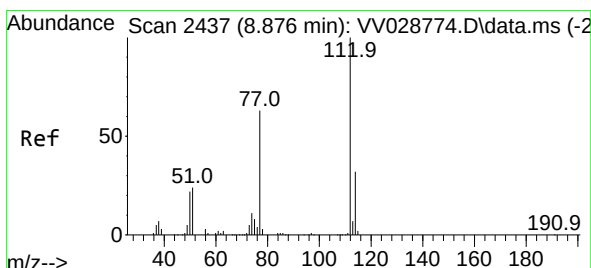
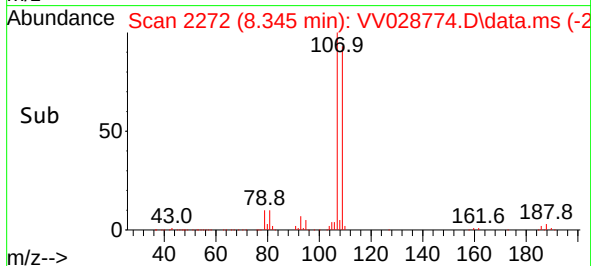
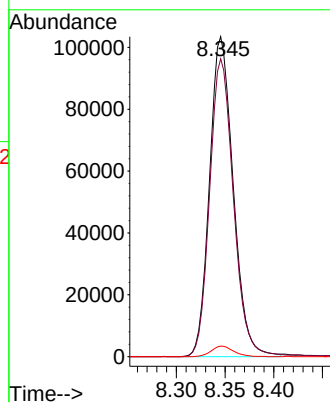
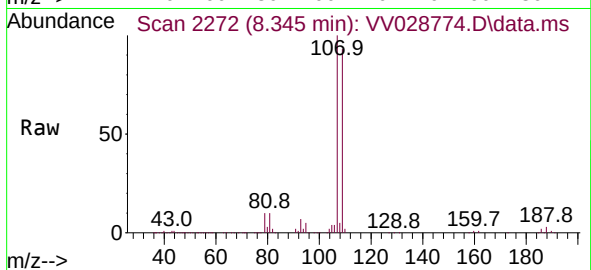
Tgt Ion:107 Resp: 174942

Ion Ratio Lower Upper

107 100

109 93.1 65.2 121.0

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 51.620 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

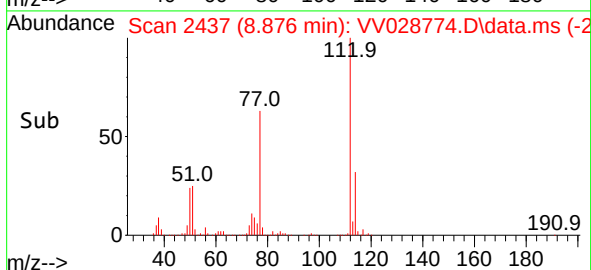
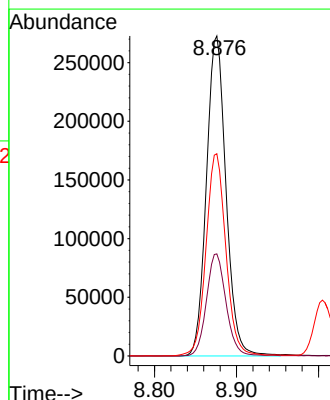
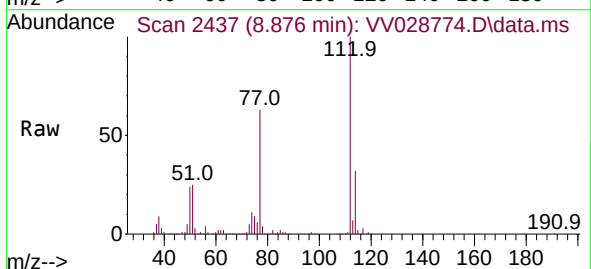
Tgt Ion:112 Resp: 452012

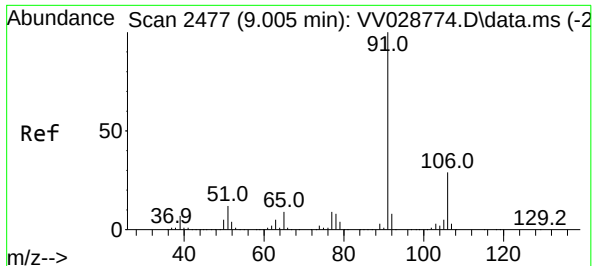
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 63.2 50.6 75.8





#52

Ethylbenzene

Concen: 53.138 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

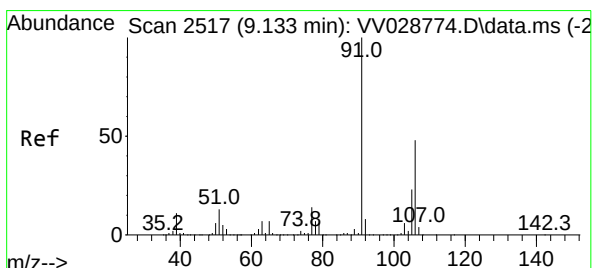
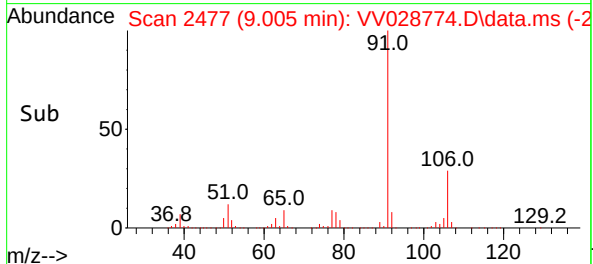
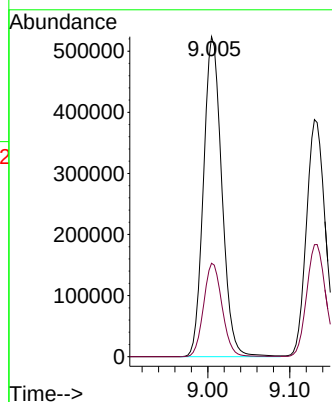
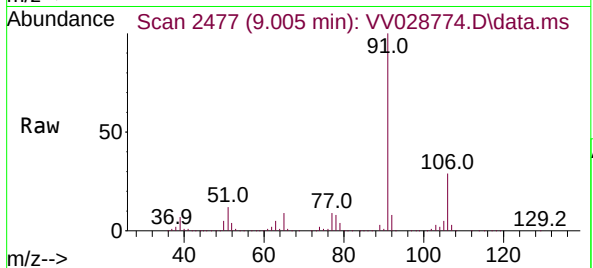
ClientSampleId :

Tgt Ion: 91 Resp: 813741

Ion Ratio Lower Upper

91 100

106 29.2 20.4 38.0



#53

m,p-Xylene

Concen: 51.733 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.000 min

Lab File: VV028774.D

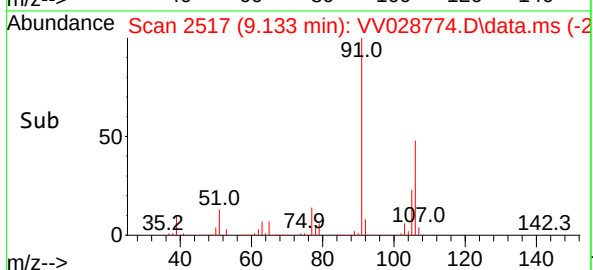
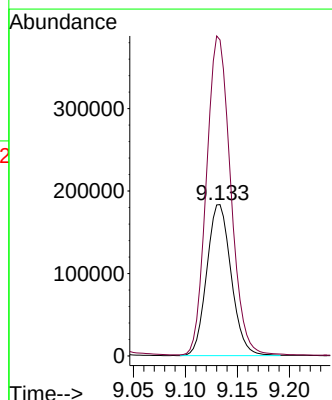
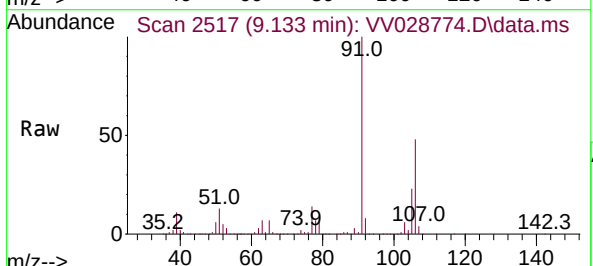
Acq: 31 Oct 2022 12:08

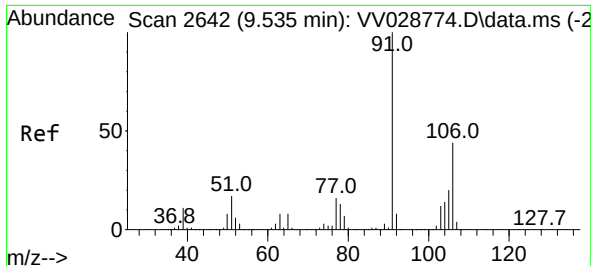
Tgt Ion: 106 Resp: 298385

Ion Ratio Lower Upper

106 100

91 208.9 146.2 271.6

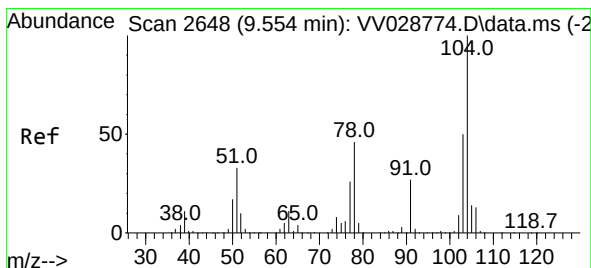
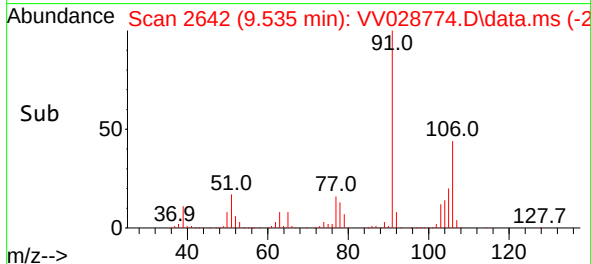
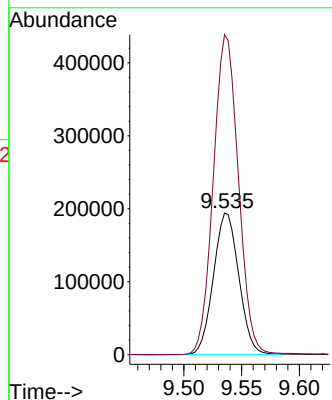
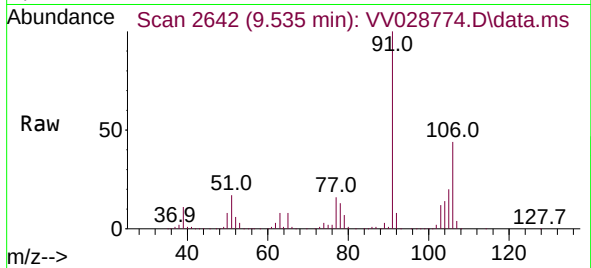




#54
o-Xylene
Concen: 51.445 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

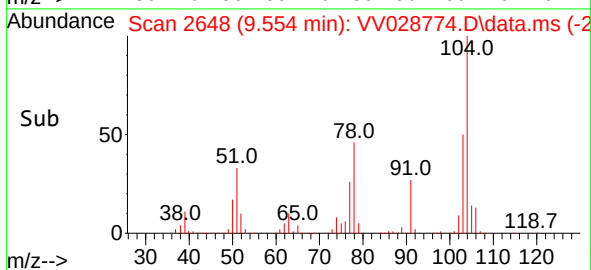
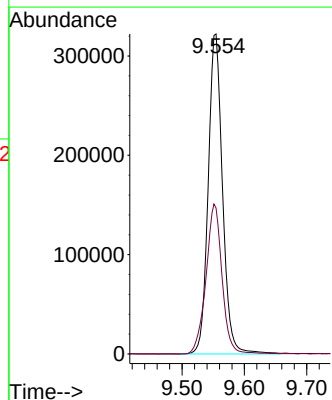
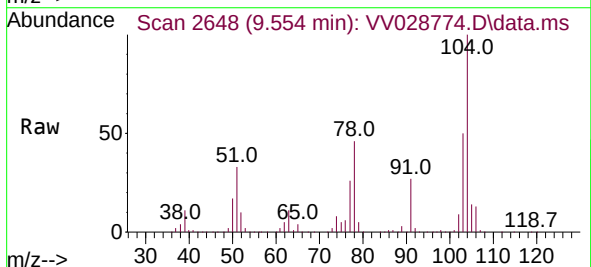
Instrument :
MSVOA_V
ClientSampleId :

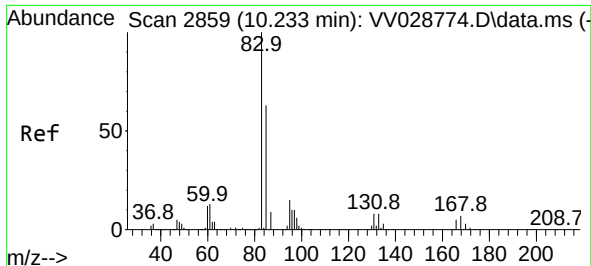
Tgt Ion:106 Resp: 296346
Ion Ratio Lower Upper
106 100
91 225.9 158.1 293.7



#55
Styrene
Concen: 52.123 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion:104 Resp: 515962
Ion Ratio Lower Upper
104 100
78 45.6 31.9 59.3

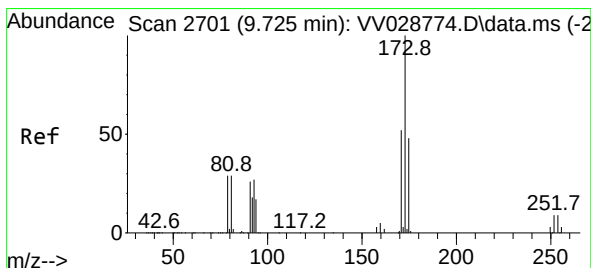
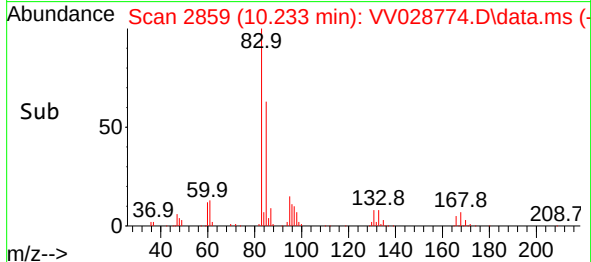
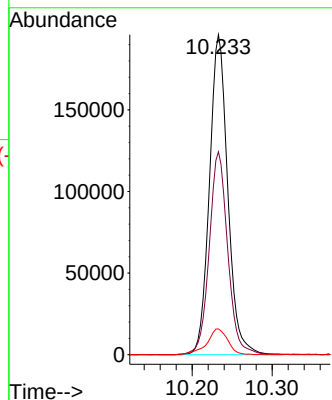
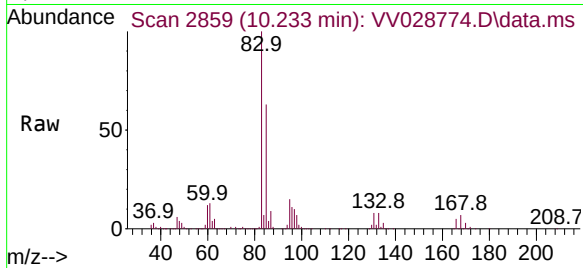




#57
1,1,2,2-Tetrachloroethane
Concen: 53.600 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

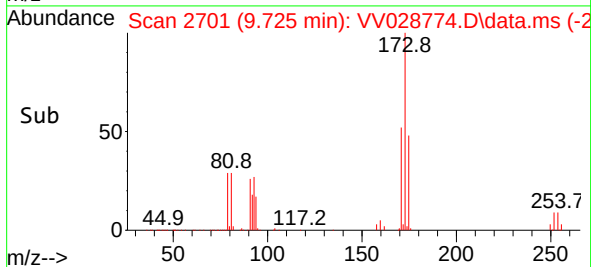
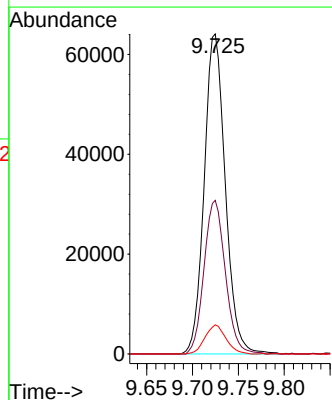
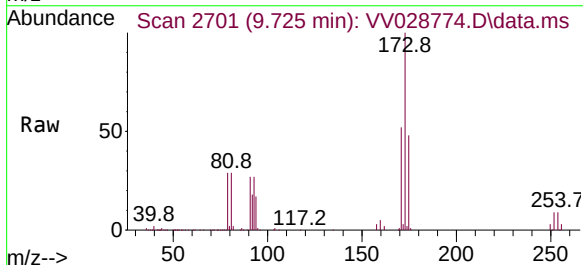
Instrument :
MSVOA_V
ClientSampleId :

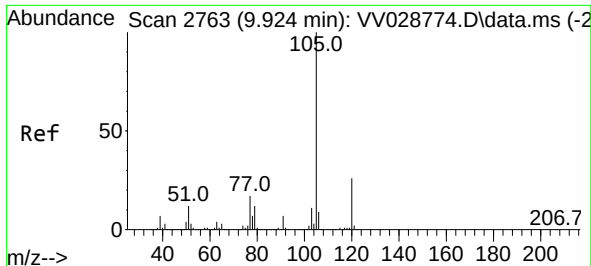
Tgt Ion: 83 Resp: 312485
Ion Ratio Lower Upper
83 100
85 63.4 44.4 82.4
131 8.1 6.5 9.7



#59
Bromoform
Concen: 42.142 ug/L
RT: 9.725 min Scan# 2701
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion: 173 Resp: 102804
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 9.0 7.2 10.8

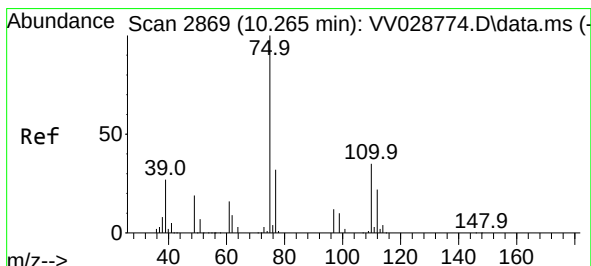
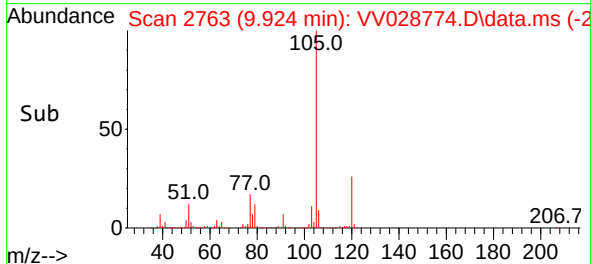
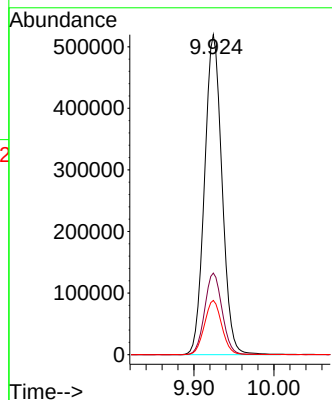
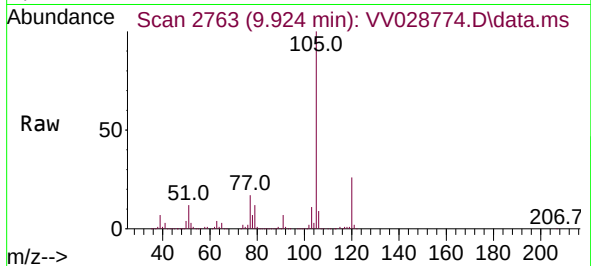




#60
Isopropylbenzene
Concen: 52.868 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

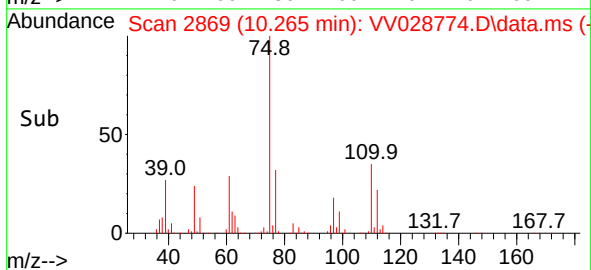
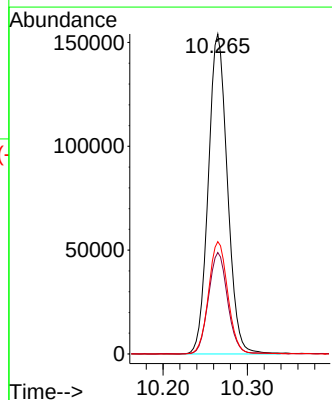
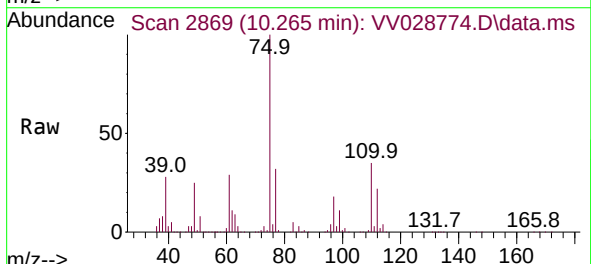
Instrument :
MSVOA_V
ClientSampleId :

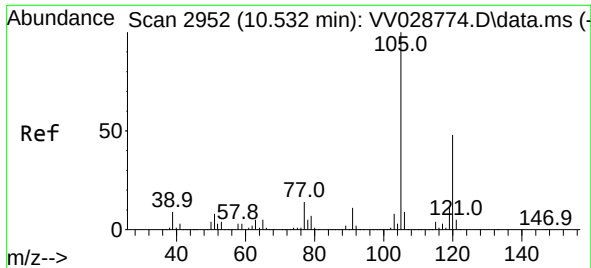
Tgt Ion:105 Resp: 791359
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 16.8 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 54.399 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion: 75 Resp: 243136
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
110 35.2 28.2 42.2

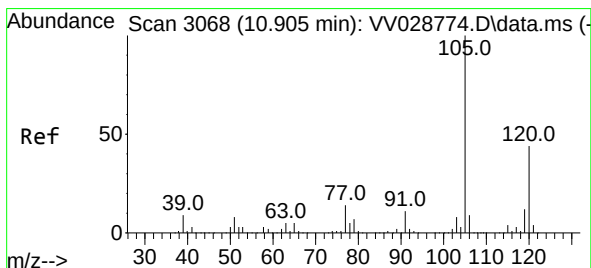
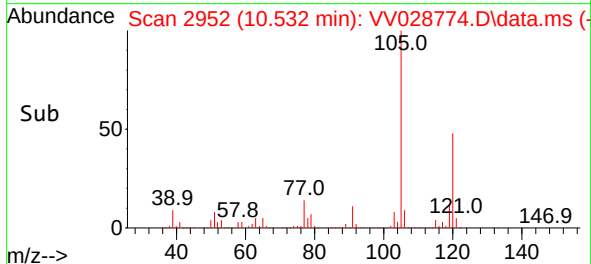
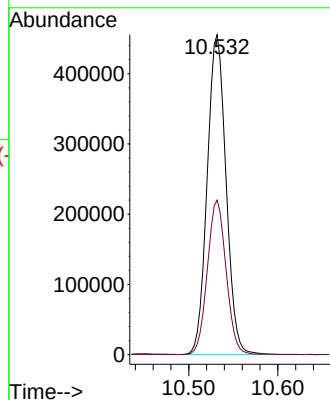
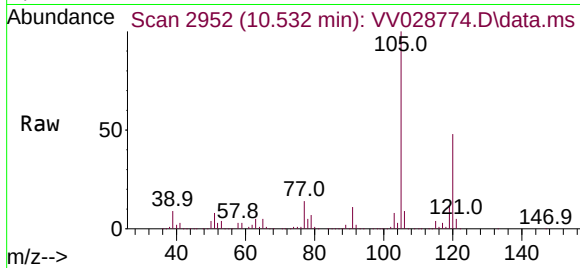




#62
 1,3,5-Trimethylbenzene
 Concen: 51.798 ug/L
 RT: 10.532 min Scan# 2952
 Delta R.T. 0.000 min
 Lab File: VV028774.D
 Acq: 31 Oct 2022 12:08

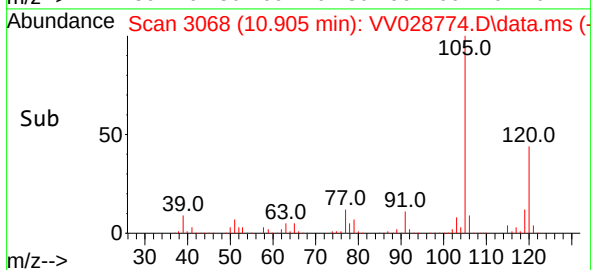
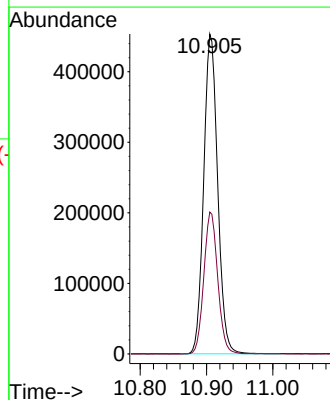
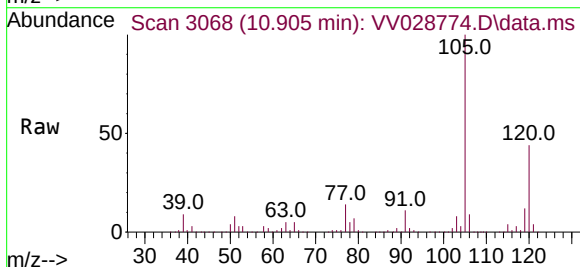
Instrument :
 MSVOA_V
 ClientSampleId :

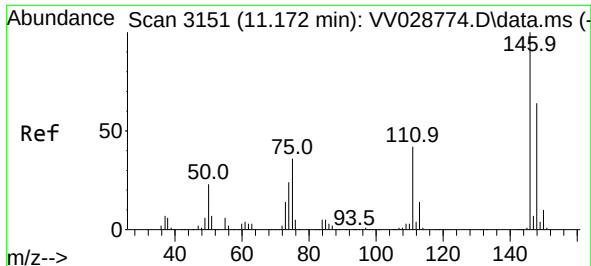
Tgt Ion:105 Resp: 667440
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 51.830 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.000 min
 Lab File: VV028774.D
 Acq: 31 Oct 2022 12:08

Tgt Ion:105 Resp: 663102
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.4 53.0

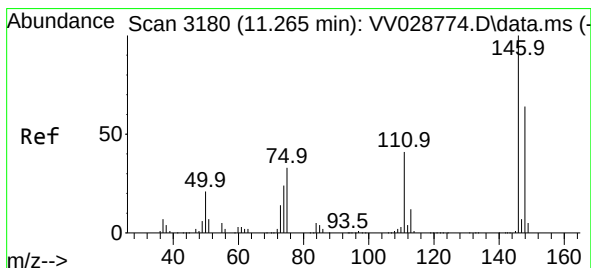
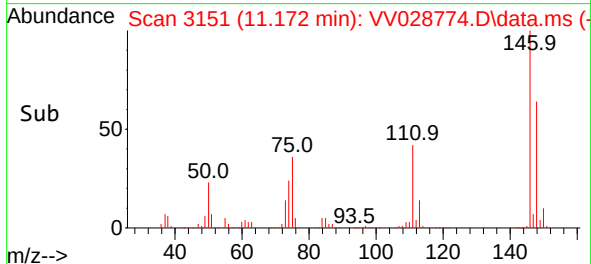
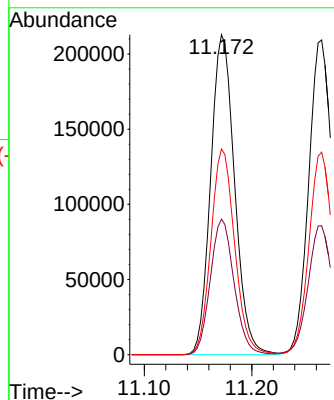
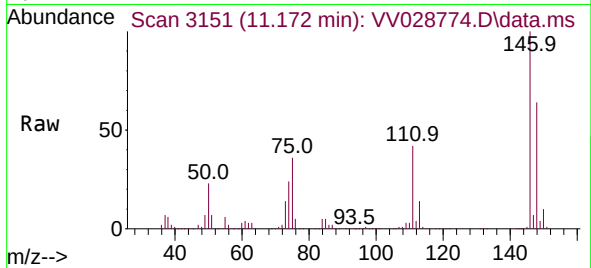




#64
1,3-Dichlorobenzene
Concen: 50.760 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

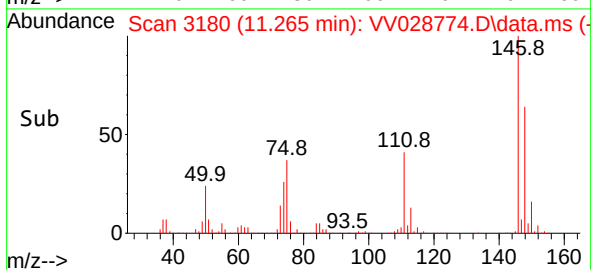
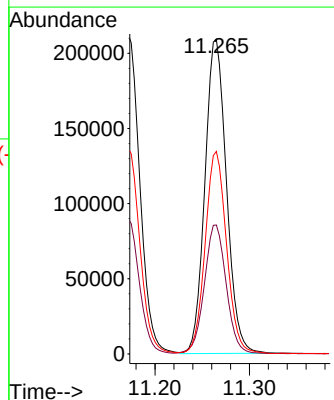
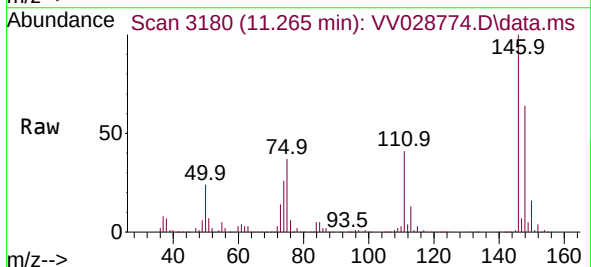
Instrument :
MSVOA_V
ClientSampleId :

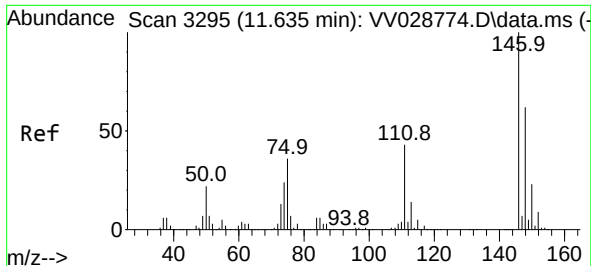
Tgt Ion:146 Resp: 329322
Ion Ratio Lower Upper
146 100
111 42.3 29.6 55.0
148 64.3 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 51.085 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion:146 Resp: 331106
Ion Ratio Lower Upper
146 100
111 41.0 28.7 53.3
148 64.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 50.963 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

ClientSampleId :

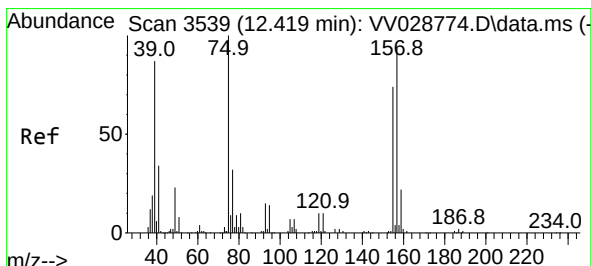
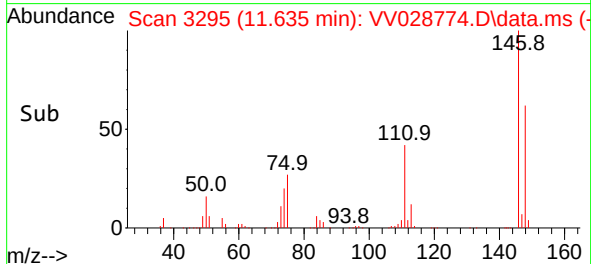
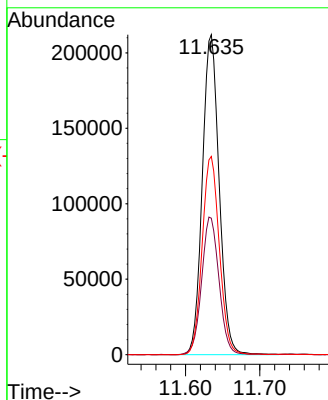
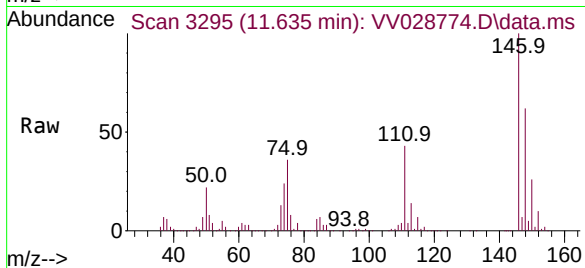
Tgt Ion:146 Resp: 333572

Ion Ratio Lower Upper

146 100

111 42.7 34.2 51.2

148 61.9 49.5 74.3



#68

1,2-Dibromo-3-chloropropane

Concen: 45.980 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

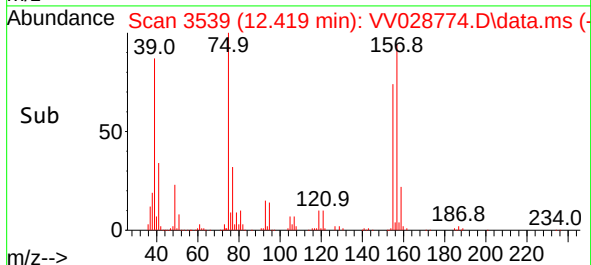
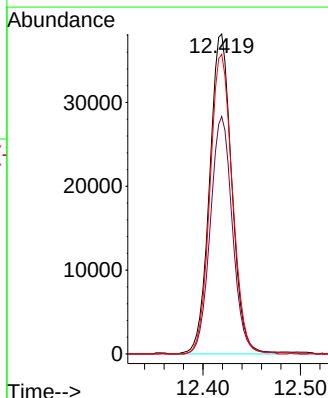
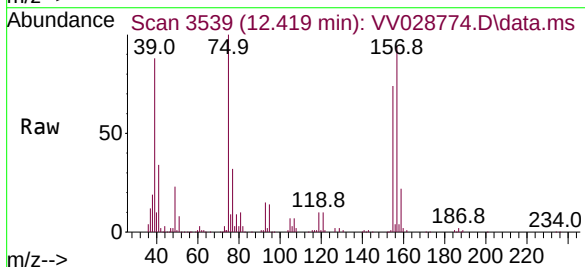
Tgt Ion: 75 Resp: 60528

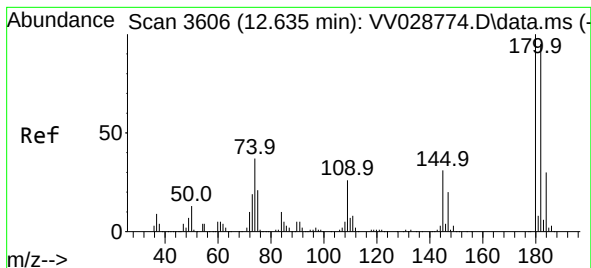
Ion Ratio Lower Upper

75 100

155 74.2 59.4 89.0

157 93.6 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 47.961 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

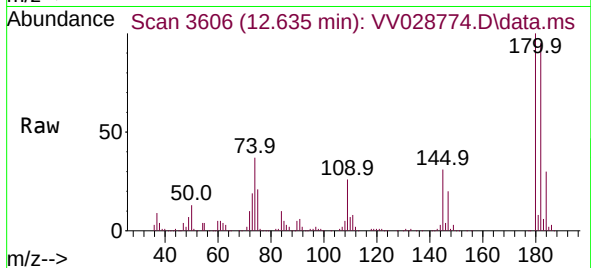
Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 233216

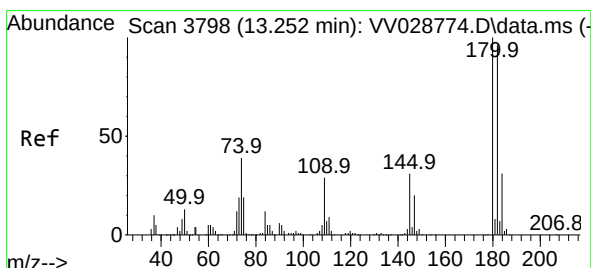
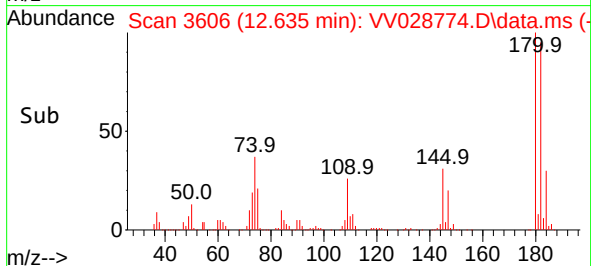
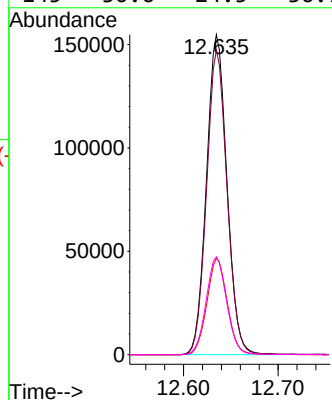
Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

184 29.9 23.9 35.9

145 30.6 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 46.907 ug/L

RT: 13.252 min Scan# 3798

Delta R.T. 0.000 min

Lab File: VV028774.D

Acq: 31 Oct 2022 12:08

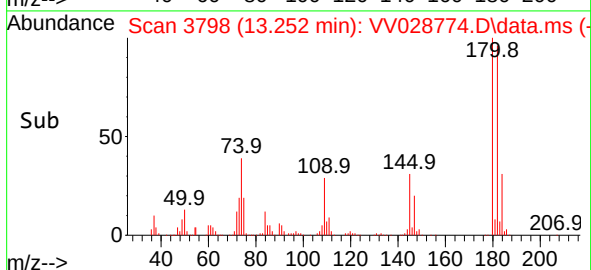
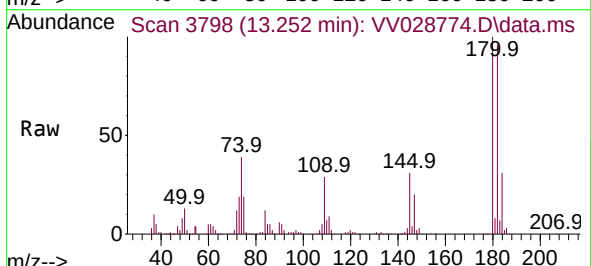
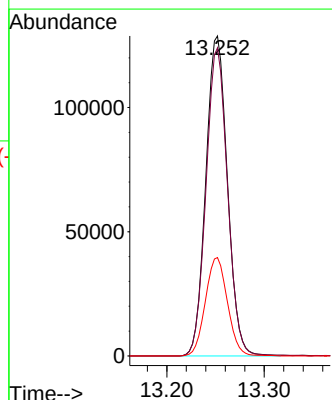
Tgt Ion:180 Resp: 198429

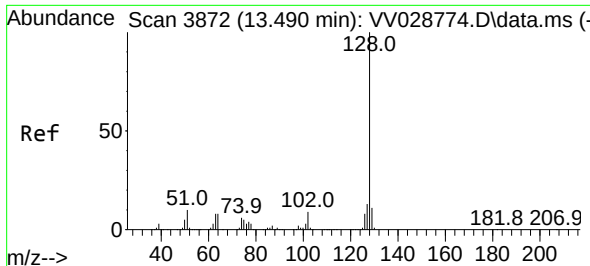
Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

145 31.4 25.1 37.7

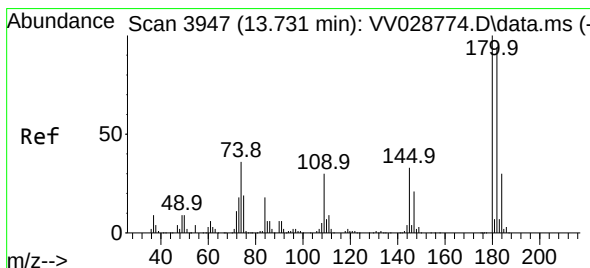
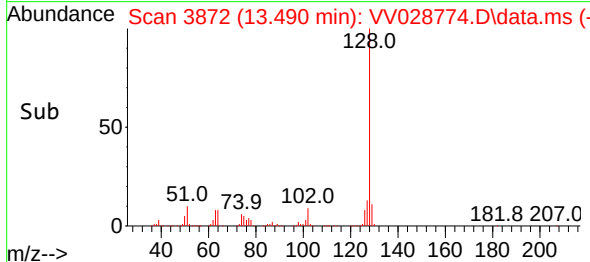
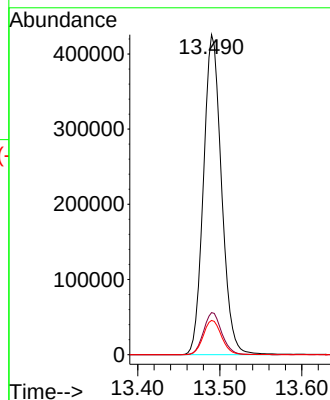
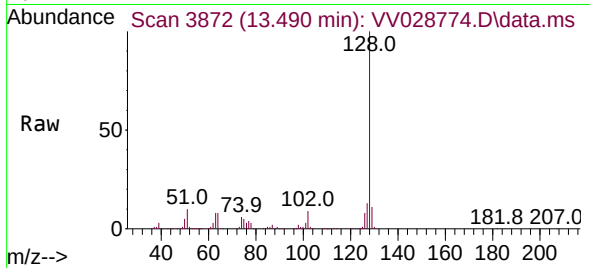




#71
Naphthalene
Concen: 48.876 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 651095
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.024 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VV028774.D
Acq: 31 Oct 2022 12:08

Tgt Ion:180 Resp: 208997
Ion Ratio Lower Upper
180 100
182 94.4 75.5 113.3
145 32.8 26.2 39.4

