

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023332.D
 Acq On : 10 Nov 2021 14:56
 Operator : SY/MD
 Sample : M4558-03MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 00:42:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 00:38:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	127477	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	127111	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70971	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	27547	3.449	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	69.000%	
7) Chloroethane-d5	1.568	69	25974	3.991	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	79.800%	
11) 1,1-Dichloroethene-d2	2.111	63	61647	4.124	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	82.400%	
20) 2-Butanone-d5	3.892	46	99498	72.318	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	144.640%#	
24) Chloroform-d	4.352	84	77382	4.547	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.000%	
26) 1,2-Dichloroethane-d4	5.037	65	37008	4.836	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.800%	
32) Benzene-d6	5.053	84	140983	4.323	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.400%	
36) 1,2-Dichloropropane-d6	6.072	67	44595	4.645	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.800%	
41) Toluene-d8	7.317	98	129045	4.222	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.400%	
43) trans-1,3-Dichloroprop...	7.625	79	15702	4.313	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	86.200%	
46) 2-Hexanone-d5	8.088	63	83649	62.452	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	124.900%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35479	5.139	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	102.800%	
66) 1,2-Dichlorobenzene-d4	11.625	152	52984	4.484	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	61865	4.977	ug/L	99
3) Chloromethane	1.240	50	57865	5.475	ug/L	97
5) Vinyl chloride	1.311	62	65491	6.205	ug/L	99
6) Bromomethane	1.523	94	34503	5.114	ug/L	98
8) Chloroethane	1.587	64	33889	5.564	ug/L	96
9) Trichlorofluoromethane	1.754	101	83117	5.241	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	41596	5.210	ug/L	96
12) 1,1-Dichloroethene	2.121	96	41611	5.474	ug/L #	83
13) Acetone	2.182	43	62222	74.014	ug/L	89
14) Carbon disulfide	2.298	76	144417	5.034	ug/L	99
15) Methyl Acetate	2.439	43	14682	6.171	ug/L	90
16) Methylene chloride	2.510	84	49946	4.502	ug/L	97
17) Methyl tert-butyl Ether	2.770	73	91333	5.458	ug/L	97
18) trans-1,2-Dichloroethene	2.764	96	51984	5.563	ug/L	98
19) 1,1-Dichloroethane	3.191	63	87408	5.540	ug/L	96
21) 2-Butanone	3.979	43	98271	72.302	ug/L	96
22) cis-1,2-Dichloroethene	3.915	96	118517	13.178	ug/L #	92
23) Bromochloromethane	4.253	128	23487	5.664	ug/L #	86
25) Chloroform	4.378	83	91399	5.435	ug/L	99

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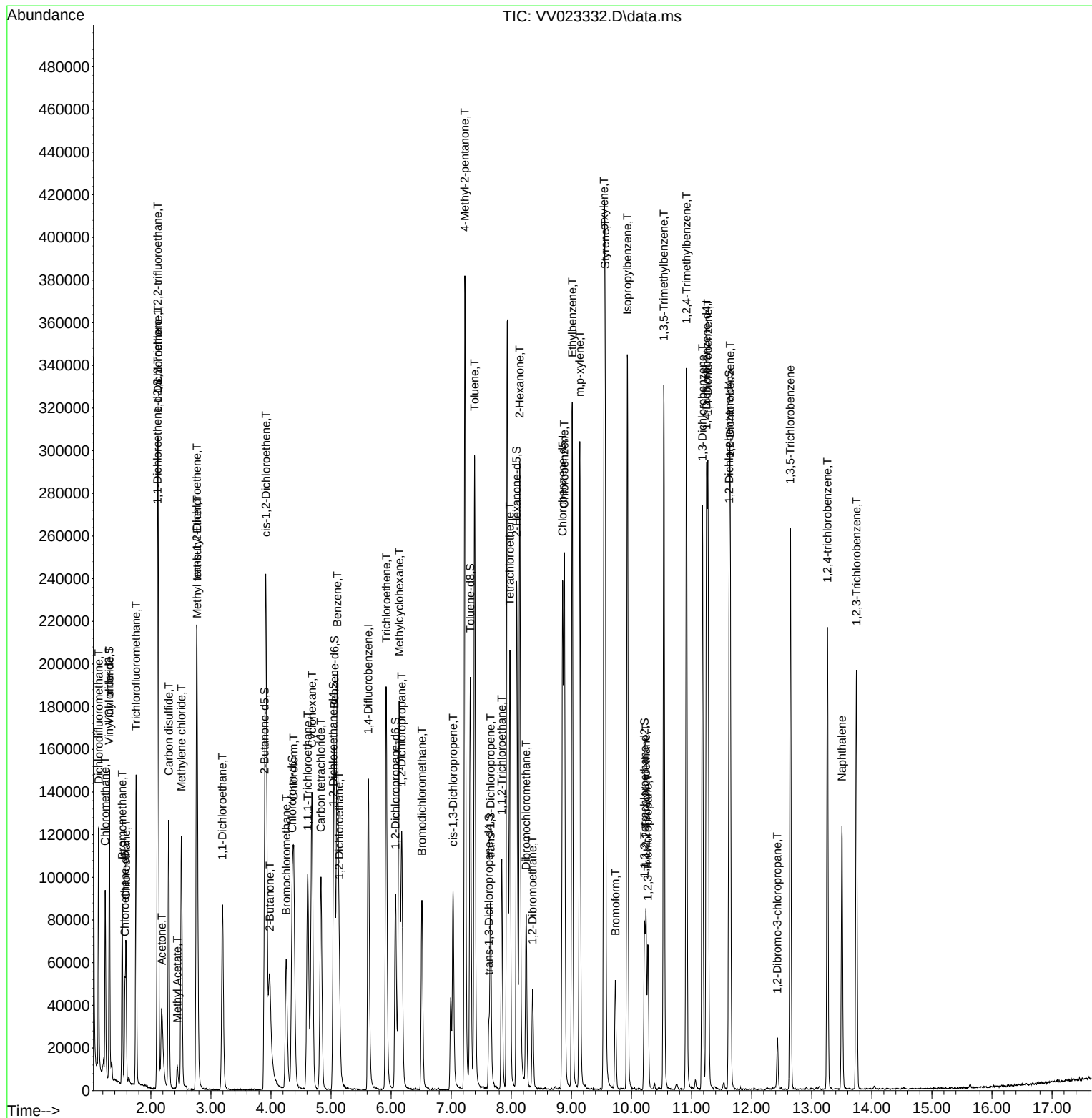
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	48739	5.448	ug/L	99
29) 1,1,1-Trichloroethane	4.613	97	81933	5.307	ug/L	99
30) Cyclohexane	4.680	56	71224	5.149	ug/L	98
31) Carbon tetrachloride	4.831	117	72804	5.251	ug/L	100
33) Benzene	5.101	78	195822	5.512	ug/L	100
34) Trichloroethene	5.918	95	66847	7.075	ug/L	99
35) Methylcyclohexane	6.133	83	72445	4.858	ug/L	97
37) 1,2-Dichloropropane	6.175	63	47585	5.737	ug/L	99
38) Bromodichloromethane	6.513	83	60047	5.402	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	53387	4.475	ug/L	96
40) 4-Methyl-2-pentanone	7.227	43	244864	63.655	ug/L	97
42) Toluene	7.387	91	215672	5.676	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	50053	5.057	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	33160	5.564	ug/L	99
47) Tetrachloroethene	7.976	164	44630	5.451	ug/L	97
48) 2-Hexanone	8.140	43	181335	67.274	ug/L	98
49) Dibromochloromethane	8.246	129	41051	5.436	ug/L	99
50) 1,2-Dibromoethane	8.355	107	30873	5.590	ug/L	97
51) Chlorobenzene	8.883	112	134192	5.313	ug/L	99
52) Ethylbenzene	9.014	91	215286	5.372	ug/L	98
53) m,p-xylene	9.140	106	85389	5.429	ug/L	98
54) o-xylene	9.545	106	81575	5.528	ug/L	98
55) Styrene	9.561	104	143857	5.691	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	36971	5.662	ug/L	98
59) Bromoform	9.731	173	22926	5.408	ug/L #	97
60) Isopropylbenzene	9.934	105	216911	5.326	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	26154	5.548	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	174964	5.181	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	179358	5.336	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	111228	5.345	ug/L	97
65) 1,4-Dichlorobenzene	11.272	146	109547	5.155	ug/L	99
67) 1,2-Dichlorobenzene	11.645	146	100779	5.412	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	5714	5.689	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	80926	4.967	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	64936	4.977	ug/L	99
71) Naphthalene	13.503	128	97033	5.044	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	59403	5.204	ug/L	99

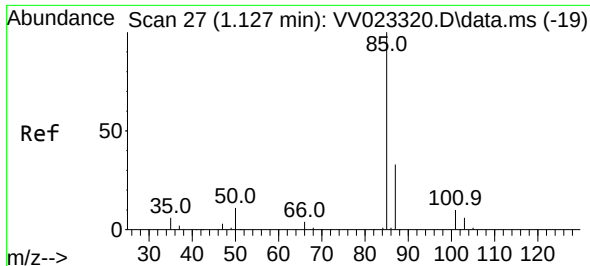
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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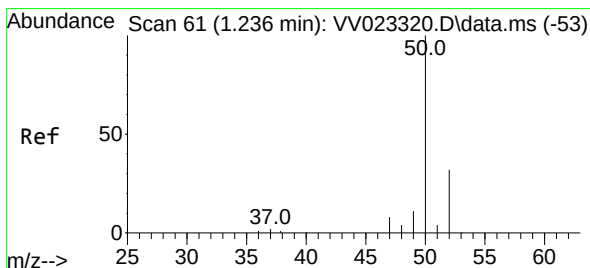
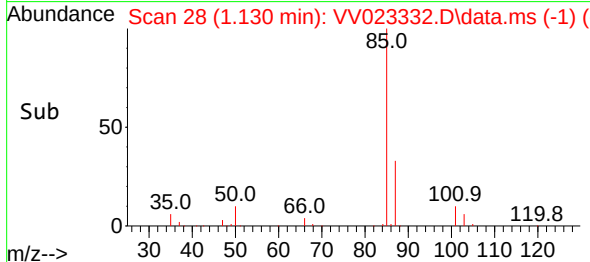
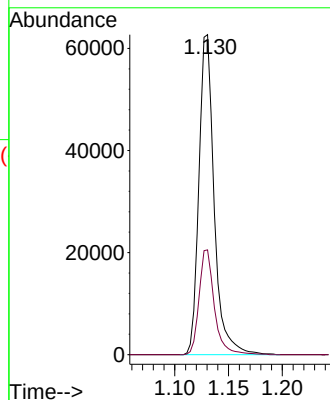
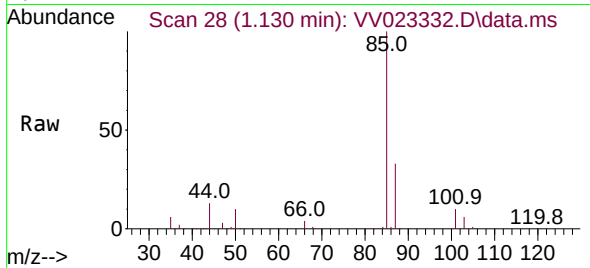




#2
 Dichlorodifluoromethane
 Concen: 4.977 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023332.D
 Acq: 10 Nov 2021 14:56

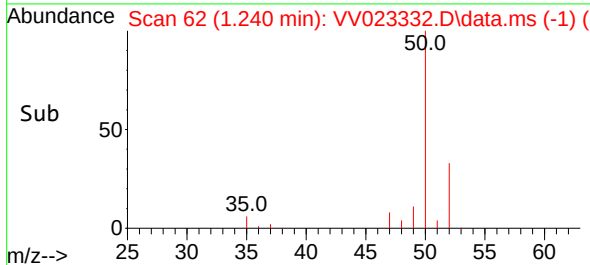
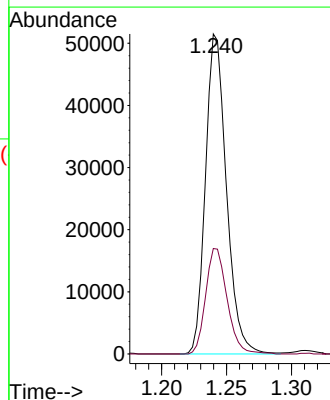
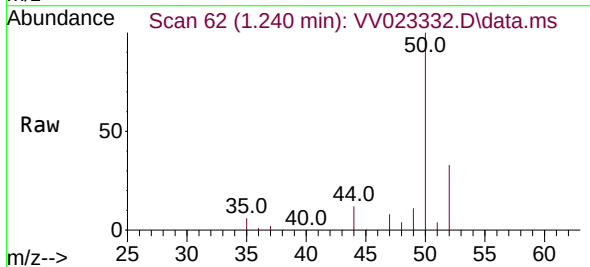
Instrument :
 MSVOA_V
 ClientSampleId :

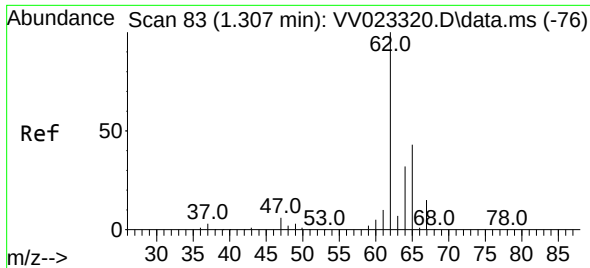
Tgt Ion: 85 Resp: 61865
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.6 39.8



#3
 Chloromethane
 Concen: 5.475 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV023332.D
 Acq: 10 Nov 2021 14:56

Tgt Ion: 50 Resp: 57865
 Ion Ratio Lower Upper
 50 100
 52 33.0 24.3 45.1

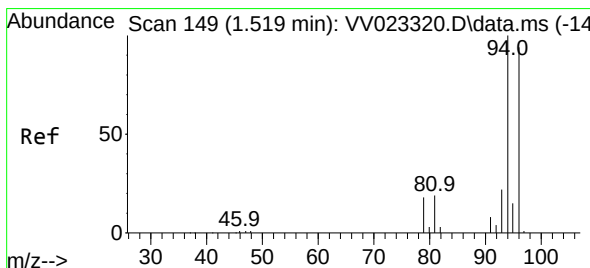
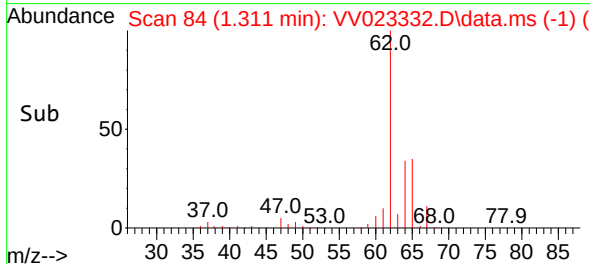
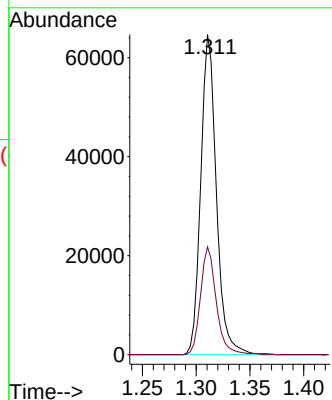
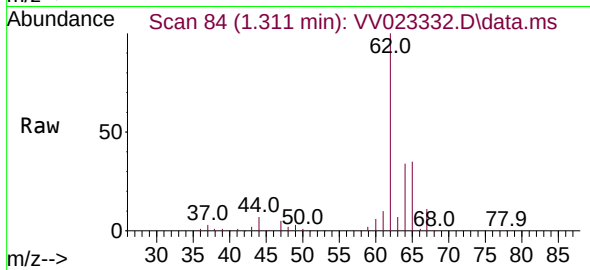




#5
 Vinyl chloride
 Concen: 6.205 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023332.D
 Acq: 10 Nov 2021 14:56

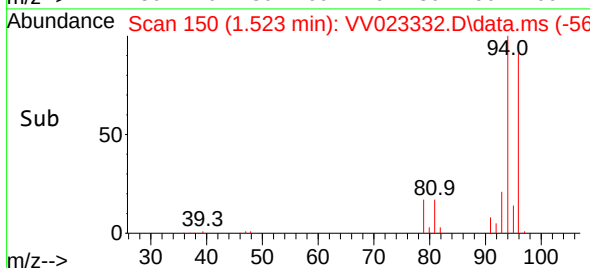
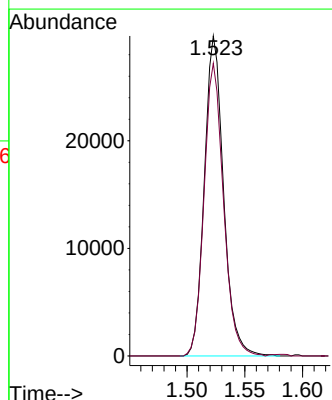
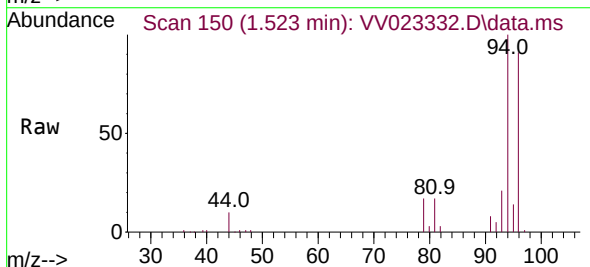
Instrument :
 MSVOA_V
 ClientSampleId :

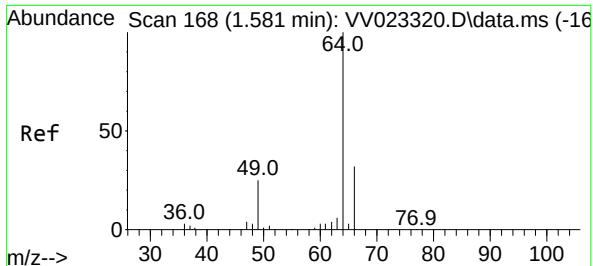
Tgt Ion: 62 Resp: 65491
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.1 42.9



#6
 Bromomethane
 Concen: 5.114 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV023332.D
 Acq: 10 Nov 2021 14:56

Tgt Ion: 94 Resp: 34503
 Ion Ratio Lower Upper
 94 100
 96 91.4 65.0 120.8

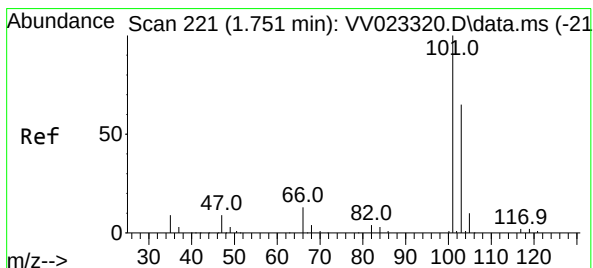
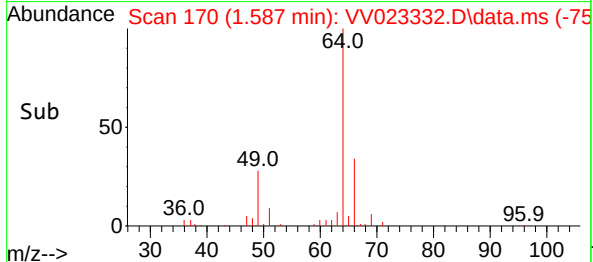
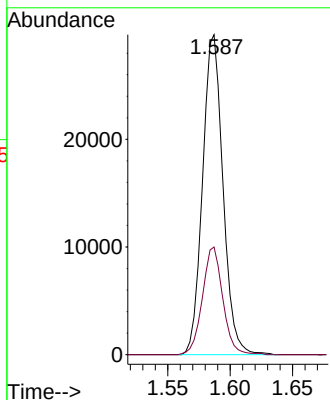
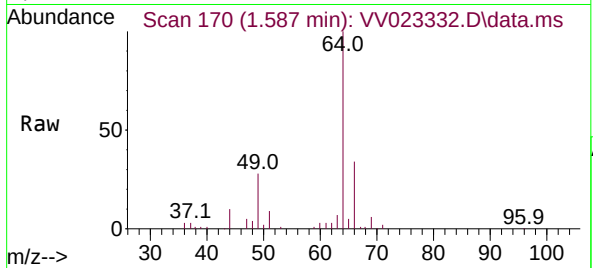




#8
Chloroethane
Concen: 5.564 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

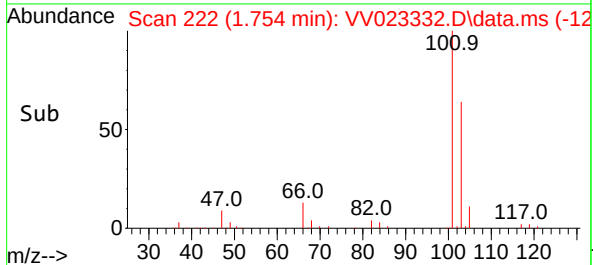
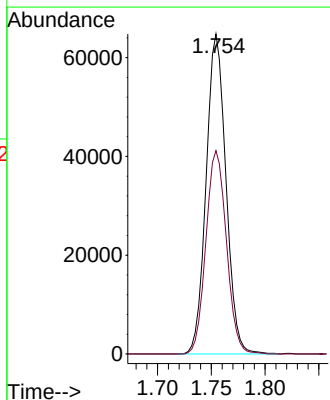
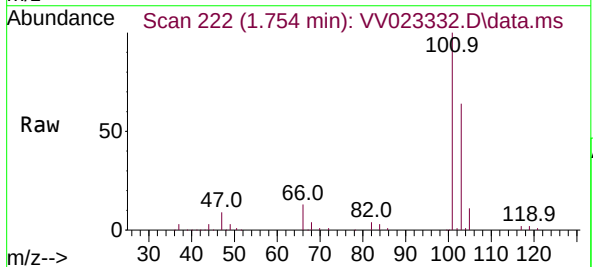
Instrument :
MSVOA_V
ClientSampleId :

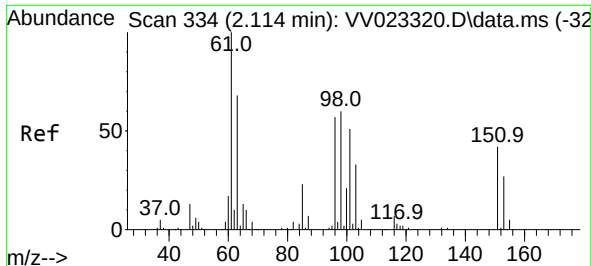
Tgt Ion: 64 Resp: 33889
Ion Ratio Lower Upper
64 100
66 33.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.241 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Tgt Ion: 101 Resp: 83117
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.210 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV023332.D

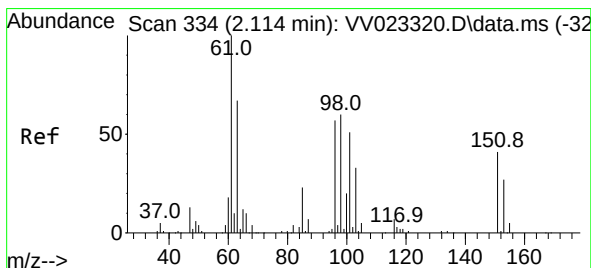
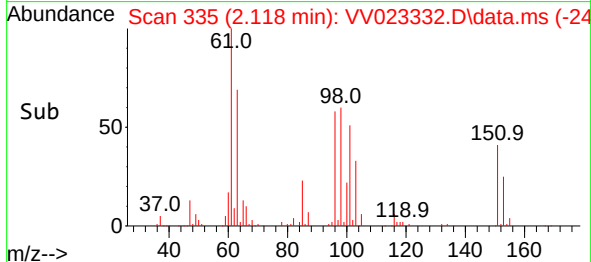
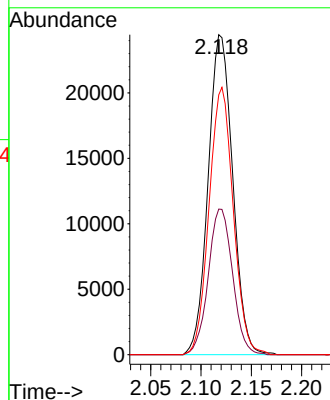
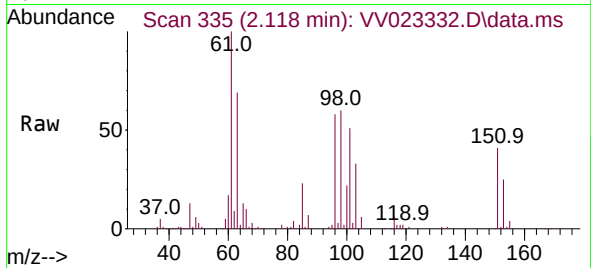
Acq: 10 Nov 2021 14:56

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Tgt Ion:	101	Resp:	41596
Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.3	52.9
151	82.3	62.2	93.2



#12

1,1-Dichloroethene

Concen: 5.474 ug/L

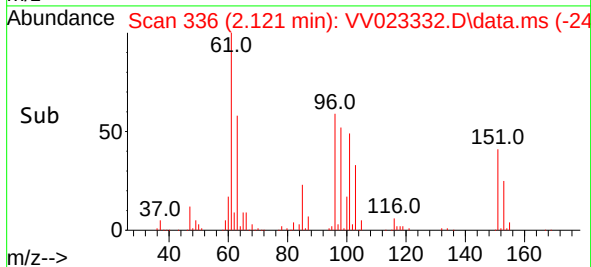
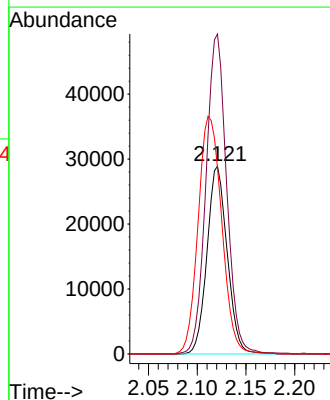
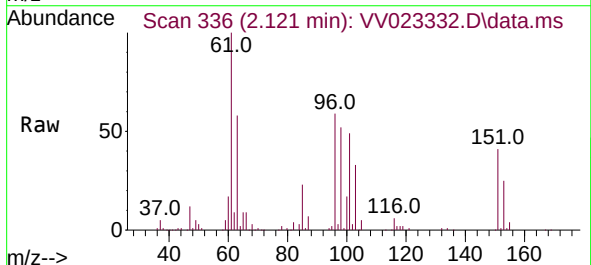
RT: 2.121 min Scan# 336

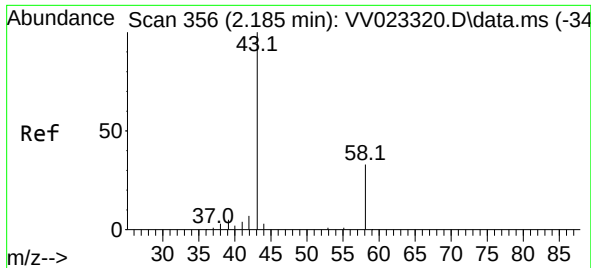
Delta R.T. 0.006 min

Lab File: VV023332.D

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Tgt Ion:	96	Resp:	41611
Ion	Ratio	Lower	Upper
96	100		
61	170.3	121.5	225.7
63	99.3	99.6	185.0





#13

Acetone

Concen: 74.014 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.003 min

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Instrument :

MSVOA_V

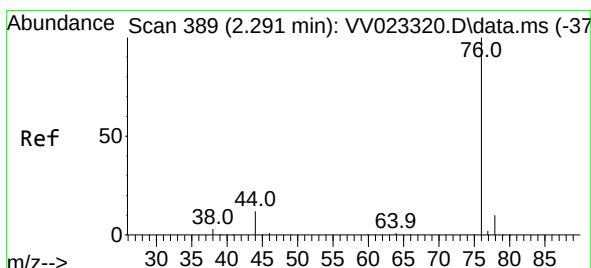
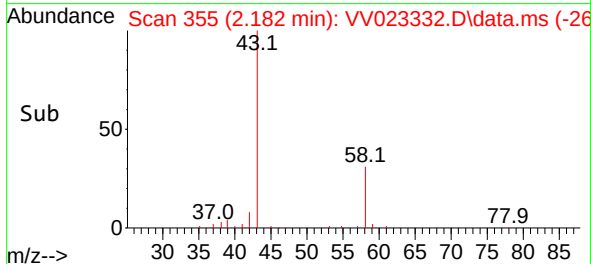
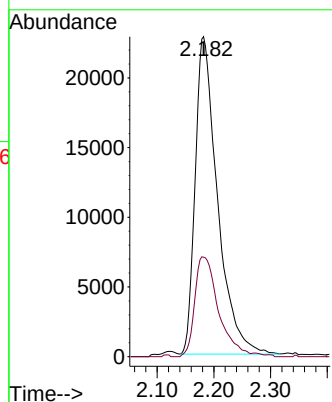
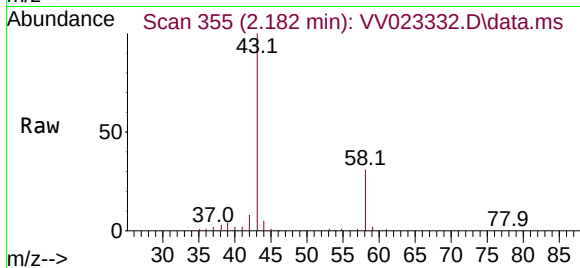
ClientSampleId :

Tgt Ion: 43 Resp: 62222

Ion Ratio Lower Upper

43 100

58 33.3 0.0 55.4



#14

Carbon disulfide

Concen: 5.034 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.007 min

Lab File: VV023332.D

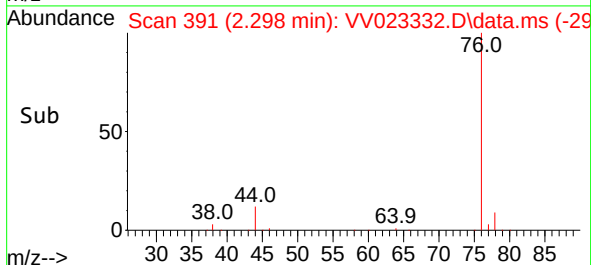
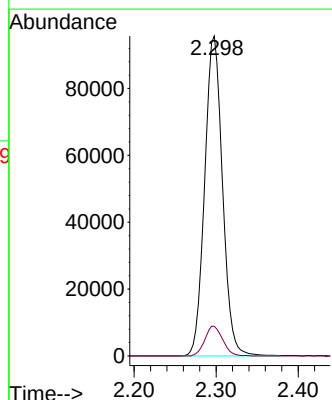
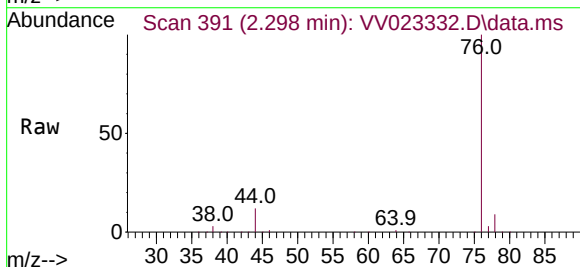
Acq: 10 Nov 2021 14:56

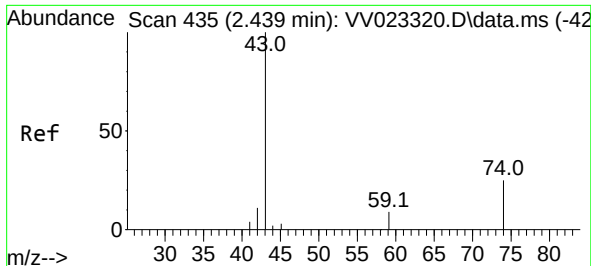
Tgt Ion: 76 Resp: 144417

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

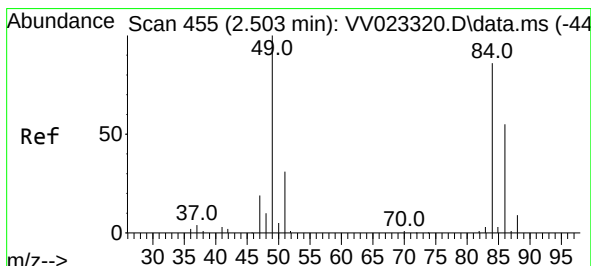
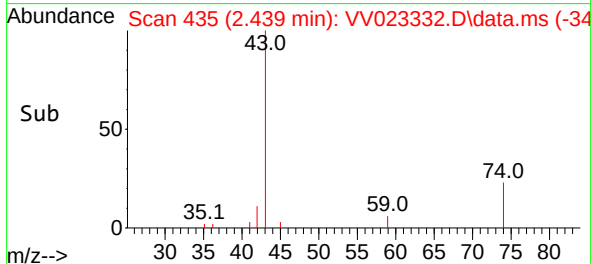
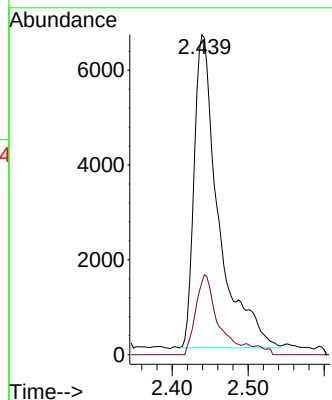
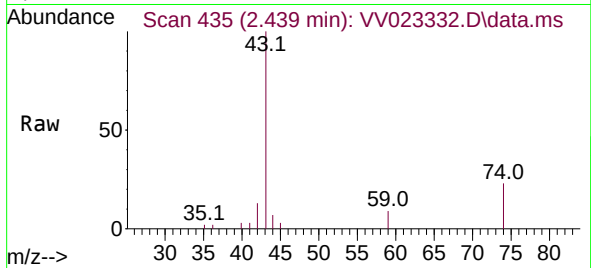




#15
Methyl Acetate
Concen: 6.171 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

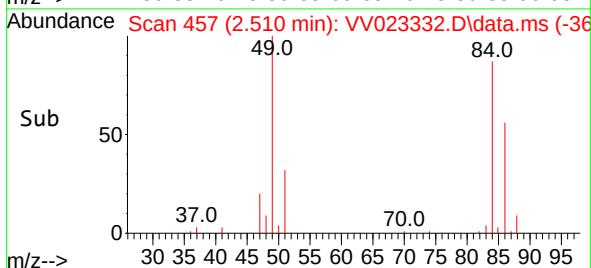
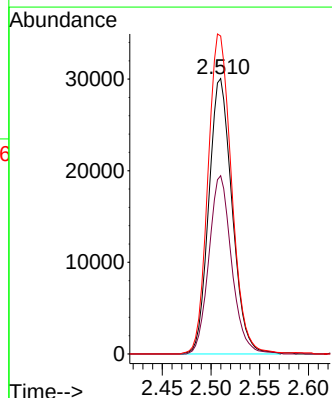
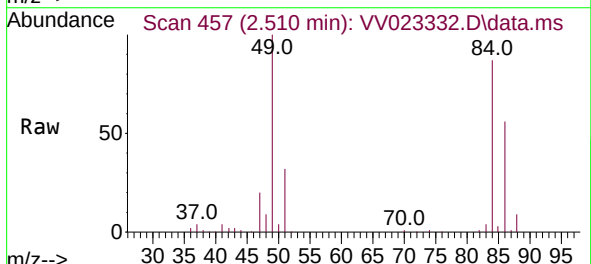
Instrument :
MSVOA_V
ClientSampleId :

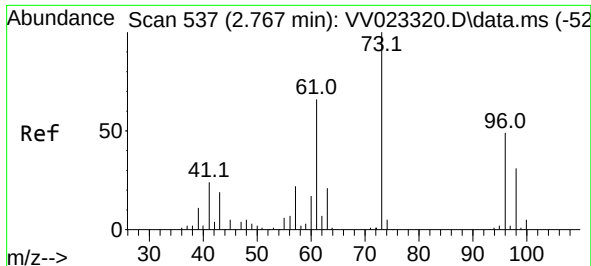
Tgt Ion: 43 Resp: 14682
Ion Ratio Lower Upper
43 100
74 22.5 22.2 33.2



#16
Methylene chloride
Concen: 4.502 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.006 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Tgt Ion: 84 Resp: 49946
Ion Ratio Lower Upper
84 100
86 64.7 42.3 78.5
49 115.5 79.7 148.1

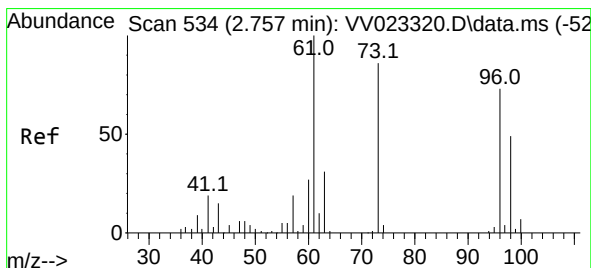
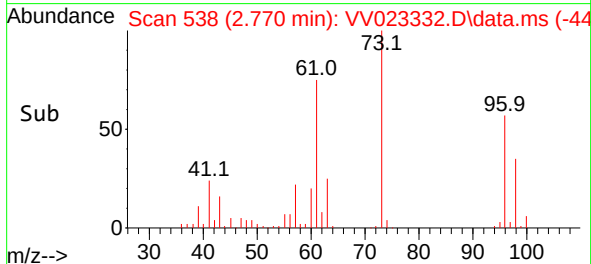
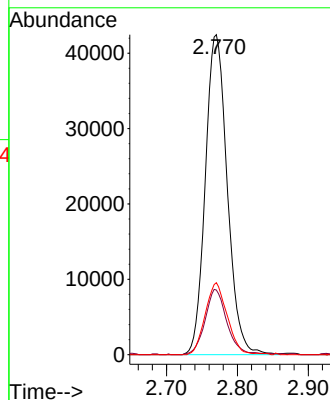
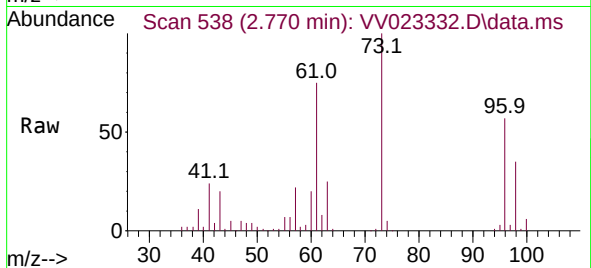




#17
Methyl tert-butyl Ether
Concen: 5.458 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

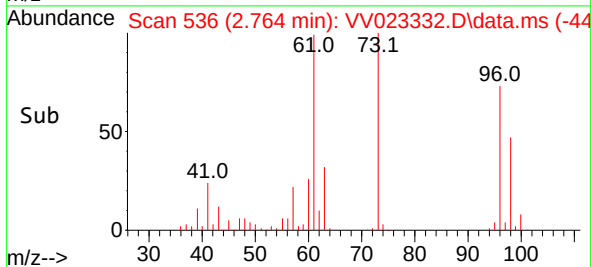
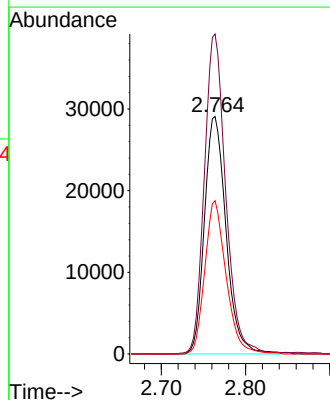
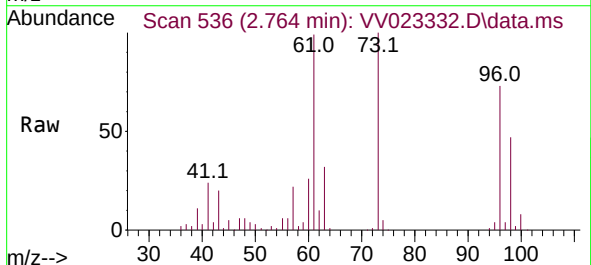
Instrument :
MSVOA_V
ClientSampleId :

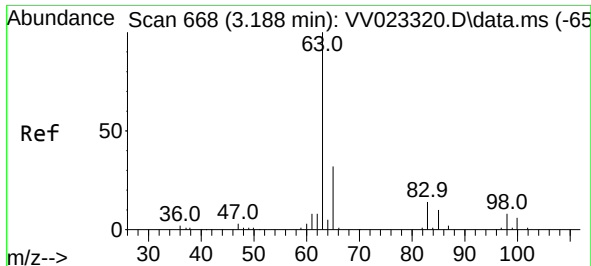
Tgt Ion: 73 Resp: 91333
Ion Ratio Lower Upper
73 100
43 20.5 17.4 26.0
57 22.4 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 5.563 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.007 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Tgt Ion: 96 Resp: 51984
Ion Ratio Lower Upper
96 100
61 134.8 93.2 173.2
98 64.6 47.0 87.2





#19

1,1-Dichloroethane

Concen: 5.540 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

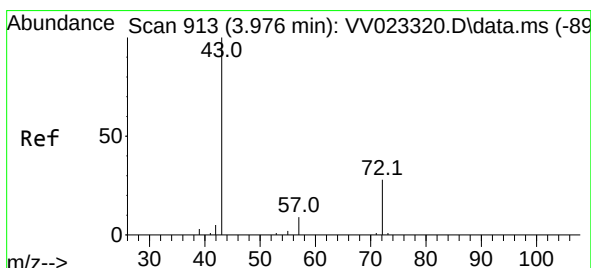
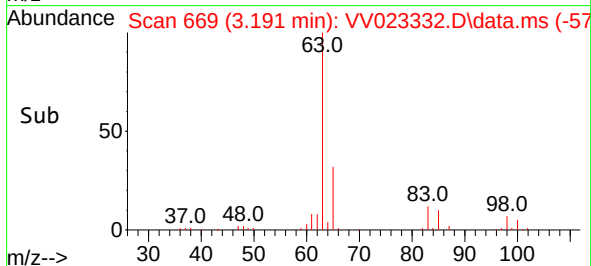
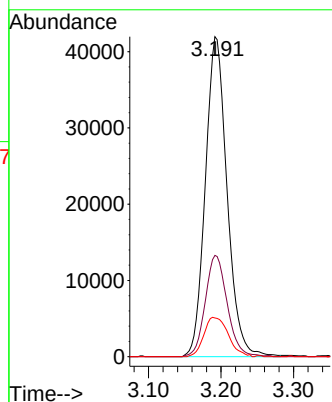
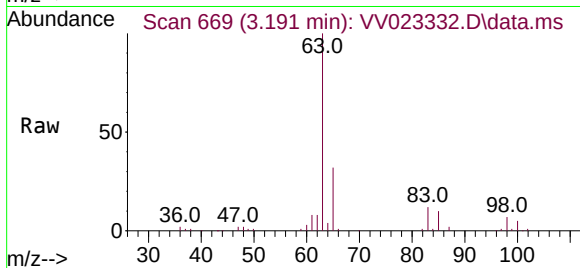
Tgt Ion: 63 Resp: 87408

Ion Ratio Lower Upper

63 100

65 31.6 22.6 42.0

83 12.1 11.1 20.7



#21

2-Butanone

Concen: 72.302 ug/L

RT: 3.979 min Scan# 914

Delta R.T. 0.003 min

Lab File: VV023332.D

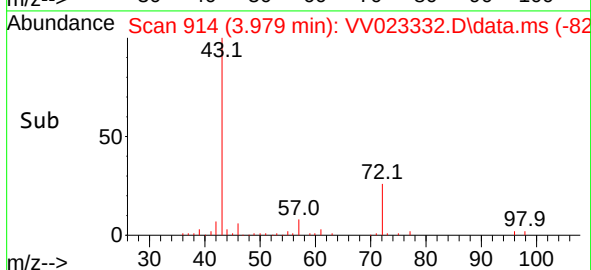
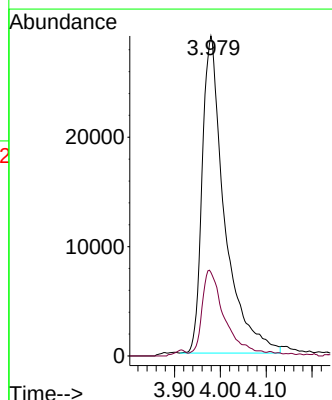
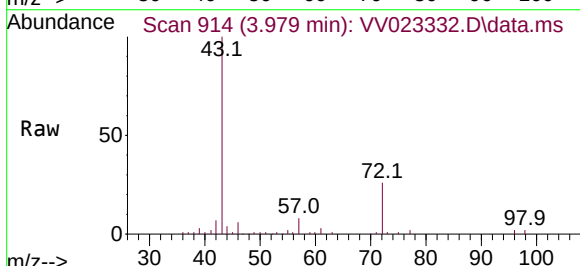
Acq: 10 Nov 2021 14:56

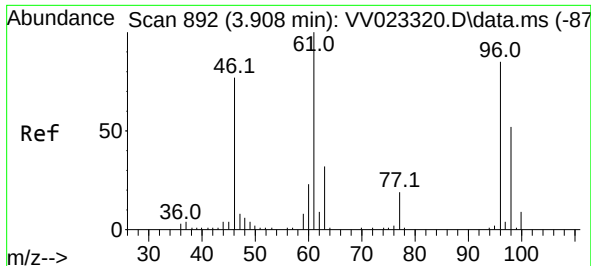
Tgt Ion: 43 Resp: 98271

Ion Ratio Lower Upper

43 100

72 25.8 11.9 35.9





#22

cis-1,2-Dichloroethene

Concen: 13.178 ug/L

RT: 3.915 min Scan# 892

Delta R.T. 0.006 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

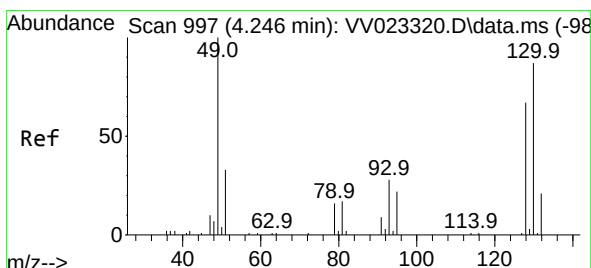
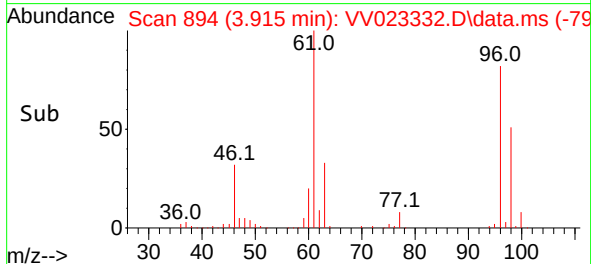
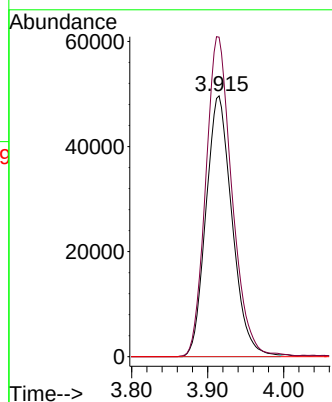
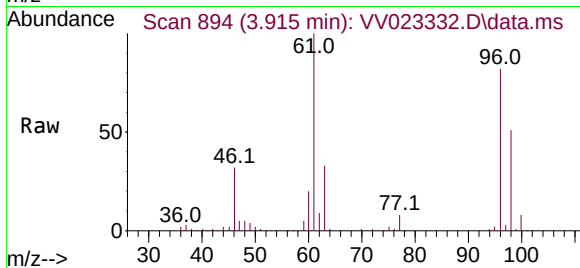
Tgt Ion: 96 Resp: 118517

Ion Ratio Lower Upper

96 100

61 122.5 92.3 171.3

68 0.0 0.4 0.8#



#23

Bromochloromethane

Concen: 5.664 ug/L

RT: 4.253 min Scan# 999

Delta R.T. 0.007 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Tgt Ion:128 Resp: 23487

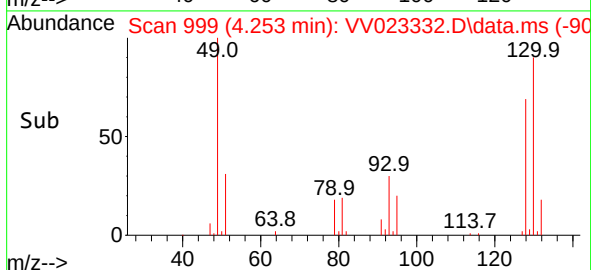
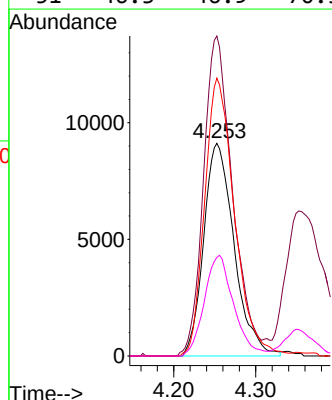
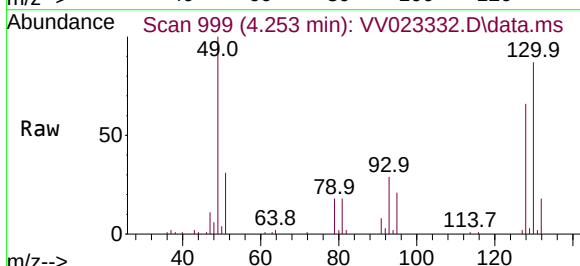
Ion Ratio Lower Upper

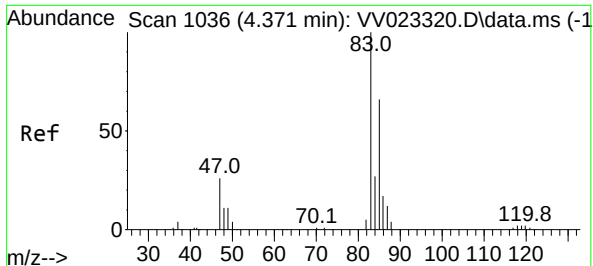
128 100

49 150.4 126.1 234.3

130 130.6 95.2 176.8

51 46.3 46.9 70.3#





#25

Chloroform

Concen: 5.435 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

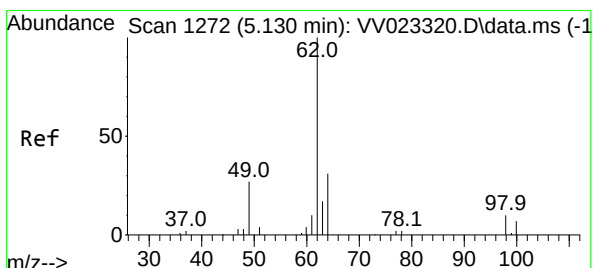
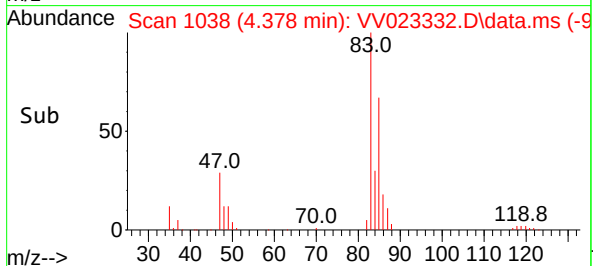
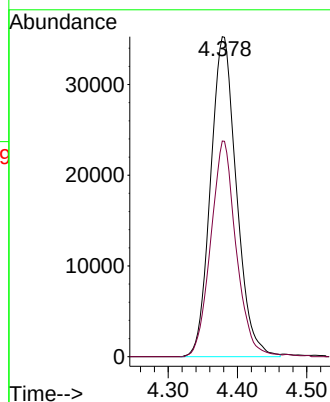
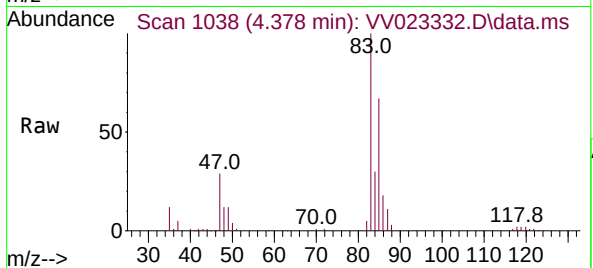
ClientSampleId :

Tgt Ion: 83 Resp: 91399

Ion Ratio Lower Upper

83 100

85 67.4 46.8 86.8



#27

1,2-Dichloroethane

Concen: 5.448 ug/L

RT: 5.134 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV023332.D

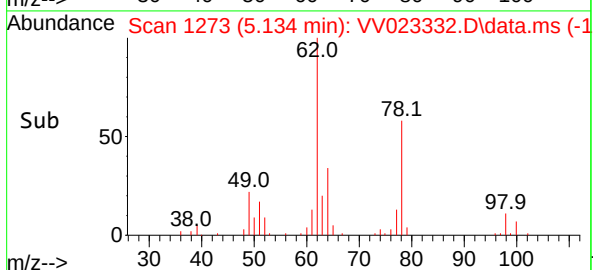
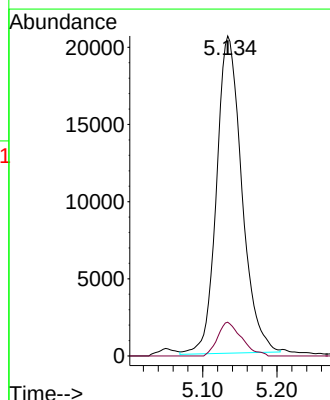
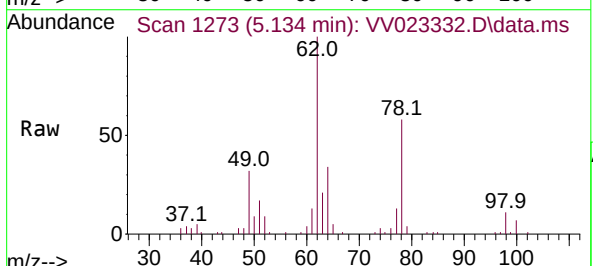
Acq: 10 Nov 2021 14:56

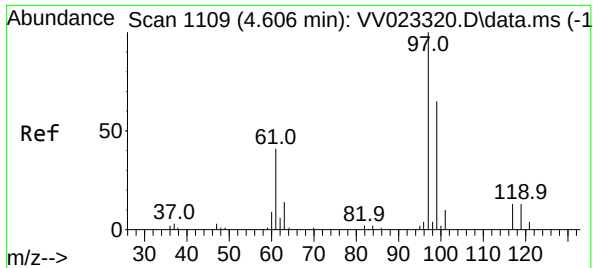
Tgt Ion: 62 Resp: 48739

Ion Ratio Lower Upper

62 100

98 10.5 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.307 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.007 min

Lab File: VV023332.D

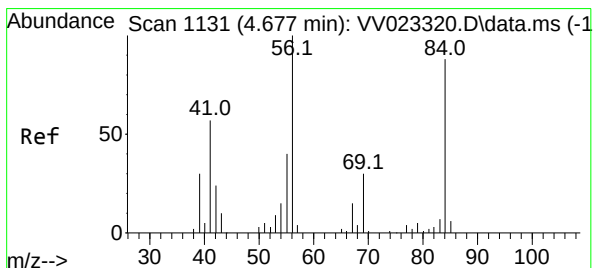
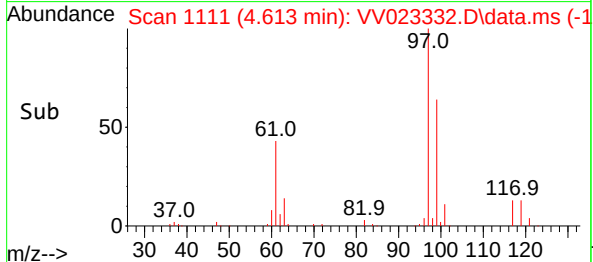
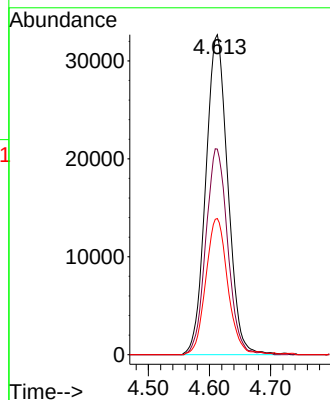
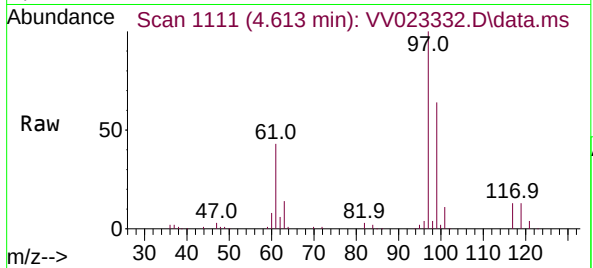
Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 81933
Ion Ratio	Lower Upper
97 100	
99 64.1	51.0 76.4
61 42.1	34.1 51.1



#30

Cyclohexane

Concen: 5.149 ug/L

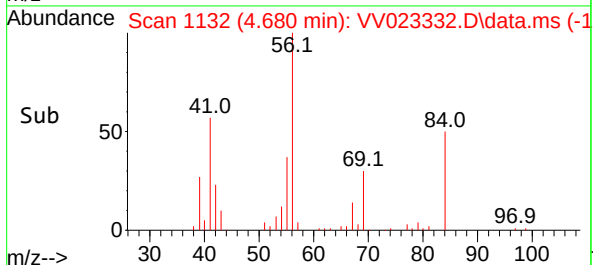
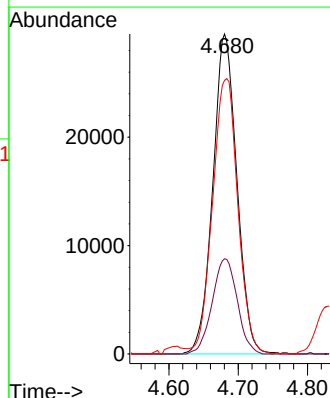
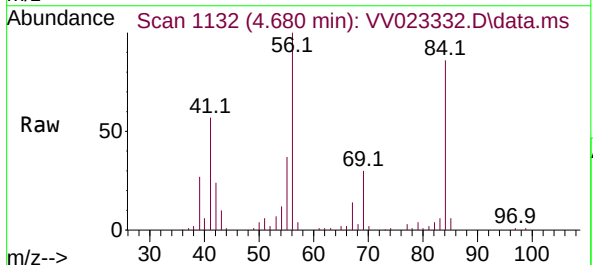
RT: 4.680 min Scan# 1132

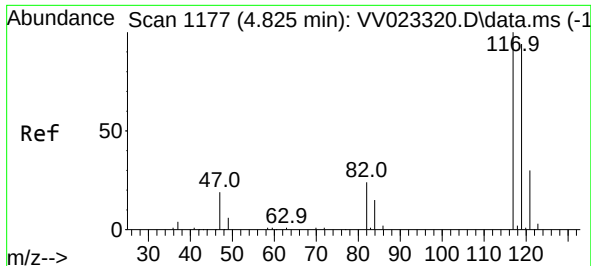
Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Tgt Ion: 56	Resp: 71224
Ion Ratio	Lower Upper
56 100	
69 31.0	23.5 35.3
84 90.6	71.6 107.4

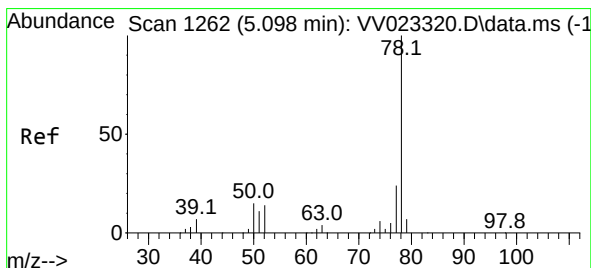
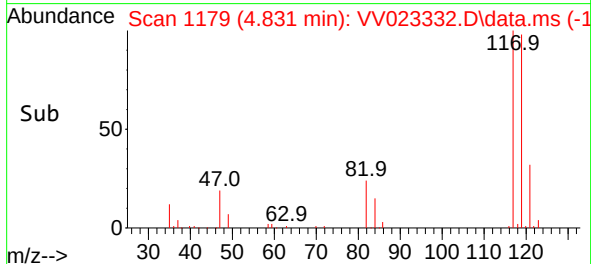
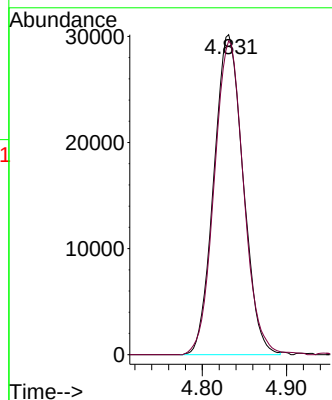
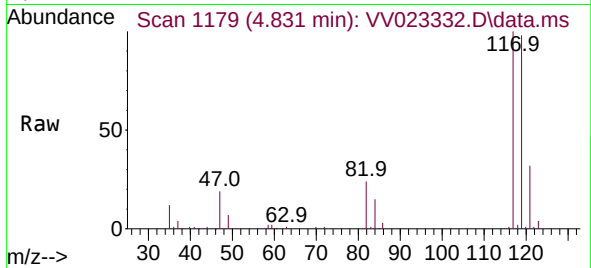




#31
Carbon tetrachloride
Concen: 5.251 ug/L
RT: 4.831 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

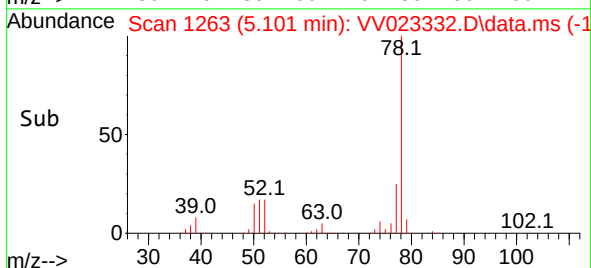
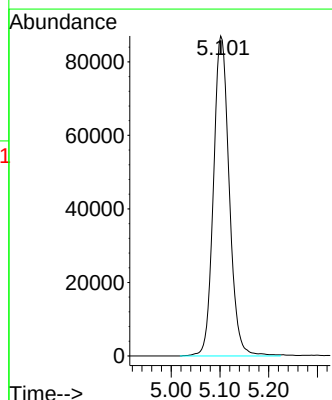
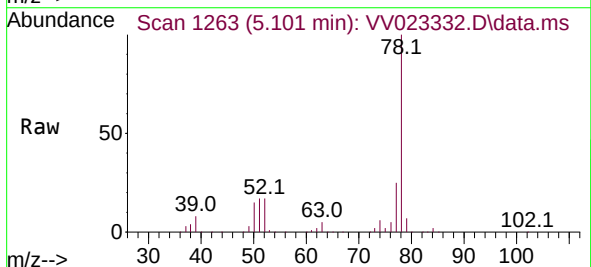
Instrument :
MSVOA_V
ClientSampleId :

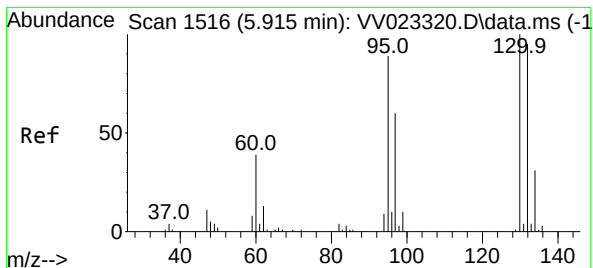
Tgt Ion:117 Resp: 72804
Ion Ratio Lower Upper
117 100
119 98.3 78.8 118.2



#33
Benzene
Concen: 5.512 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Tgt Ion: 78 Resp: 195822





#34

Trichloroethene

Concen: 7.075 ug/L

RT: 5.918 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 66847

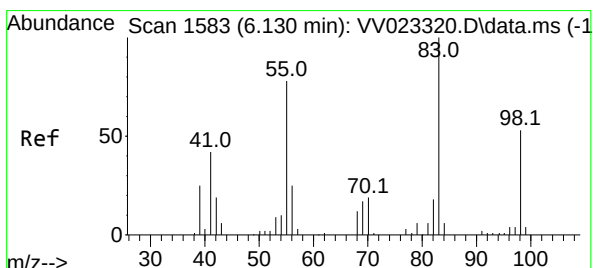
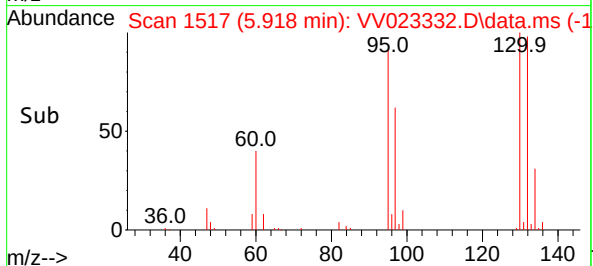
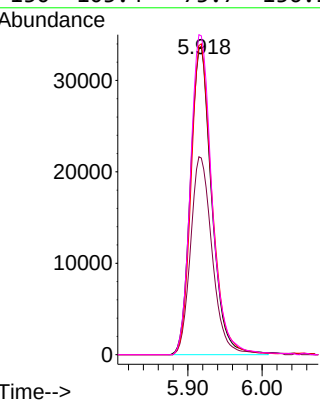
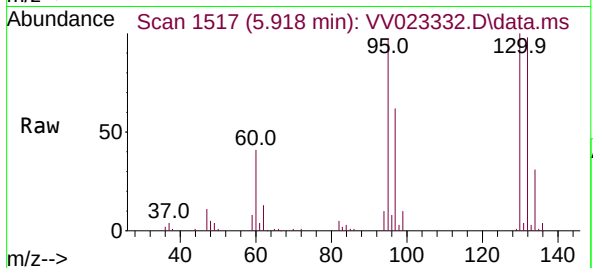
Ion Ratio Lower Upper

95 100

97 63.8 45.0 83.6

132 100.8 69.7 129.4

130 103.4 73.7 136.9



#35

Methylcyclohexane

Concen: 4.858 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

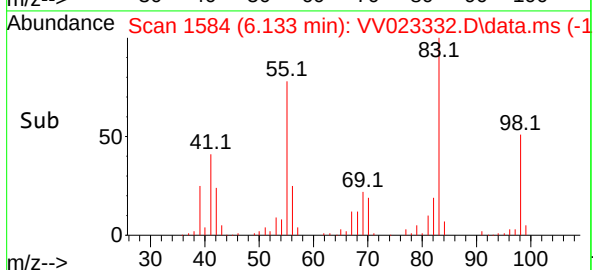
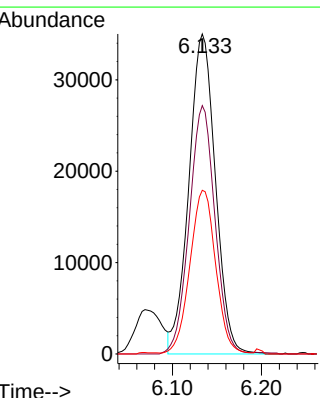
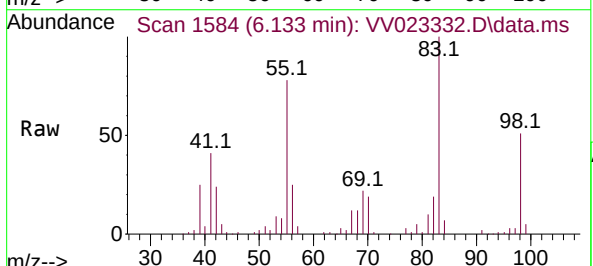
Tgt Ion: 83 Resp: 72445

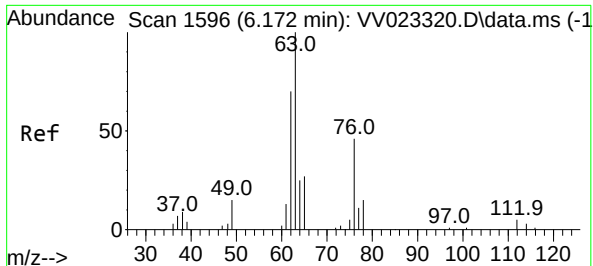
Ion Ratio Lower Upper

83 100

55 75.2 62.8 94.2

98 49.0 37.9 56.9





#37

1,2-Dichloropropane

Concen: 5.737 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

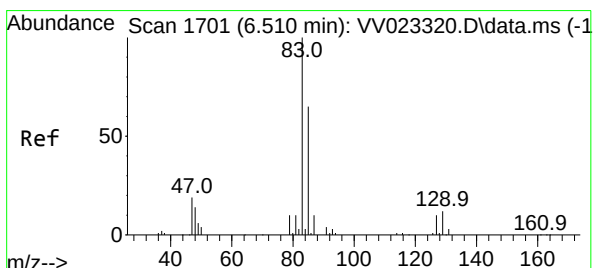
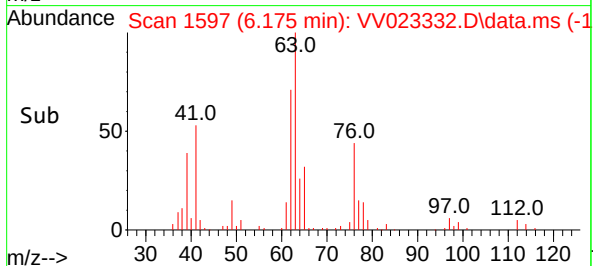
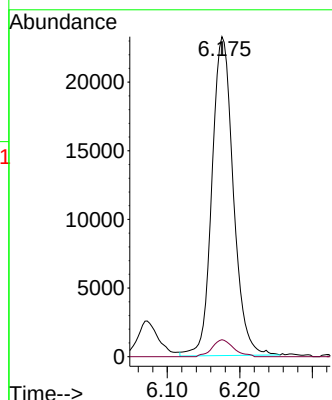
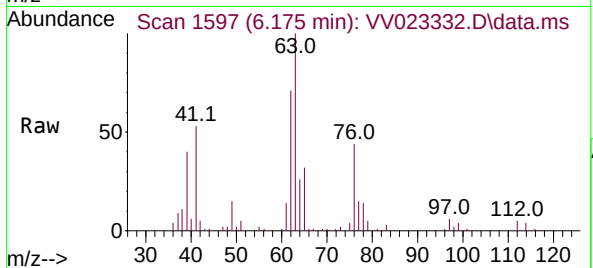
ClientSampleId :

Tgt Ion: 63 Resp: 47585

Ion Ratio Lower Upper

63 100

112 5.4 4.6 6.8



#38

Bromodichloromethane

Concen: 5.402 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

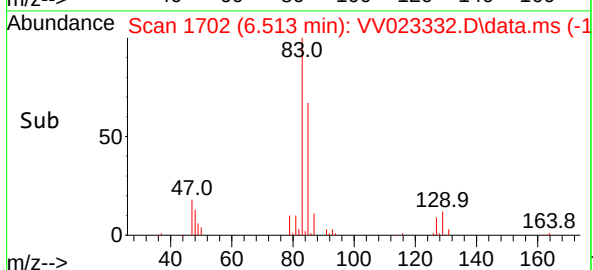
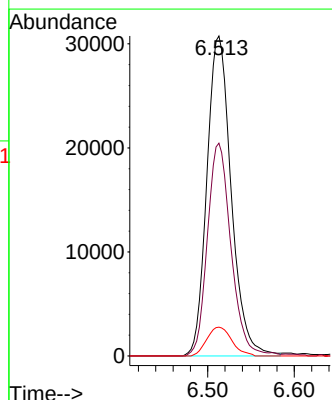
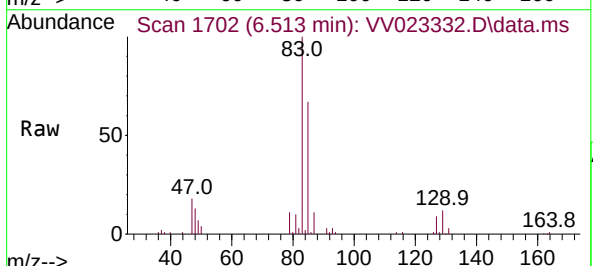
Tgt Ion: 83 Resp: 60047

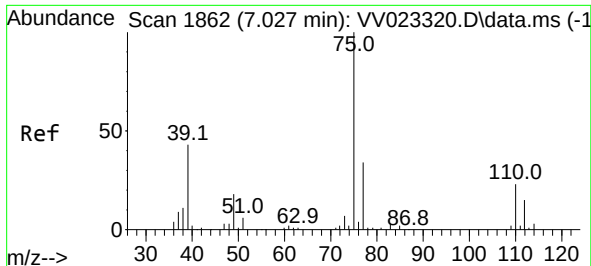
Ion Ratio Lower Upper

83 100

85 66.5 46.1 85.7

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.475 ug/L

RT: 7.031 min Scan# 1863

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

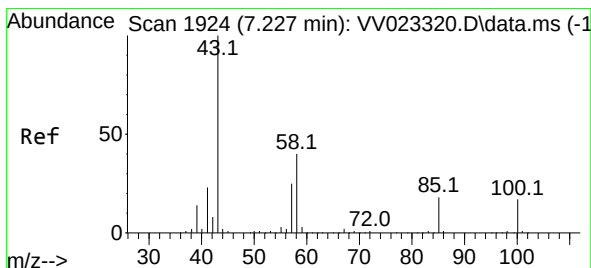
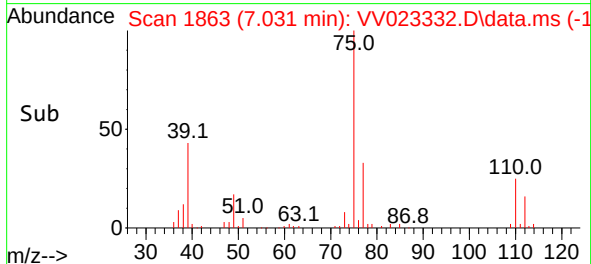
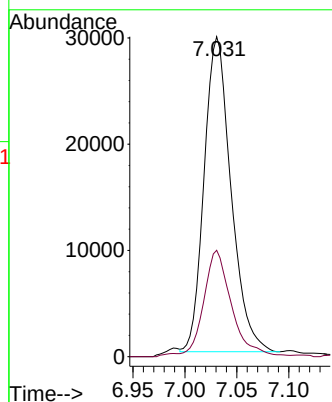
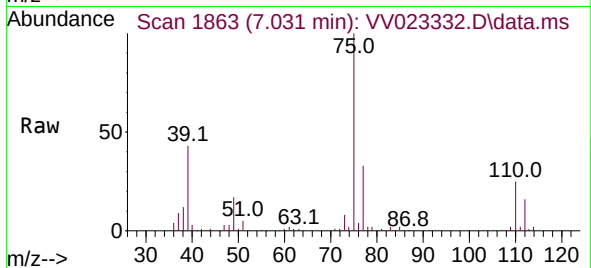
ClientSampleId :

Tgt Ion: 75 Resp: 53387

Ion Ratio Lower Upper

75 100

77 33.3 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 63.655 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

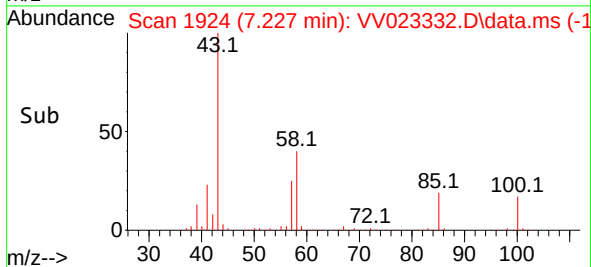
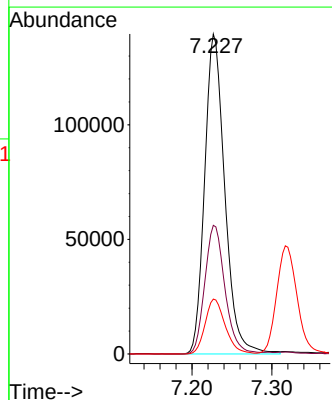
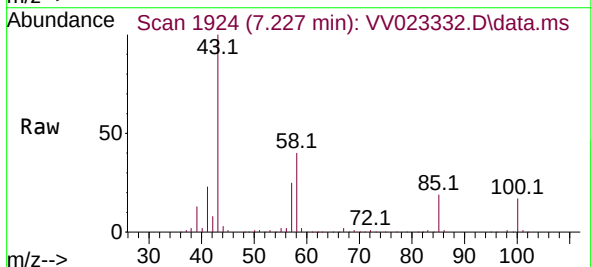
Tgt Ion: 43 Resp: 244864

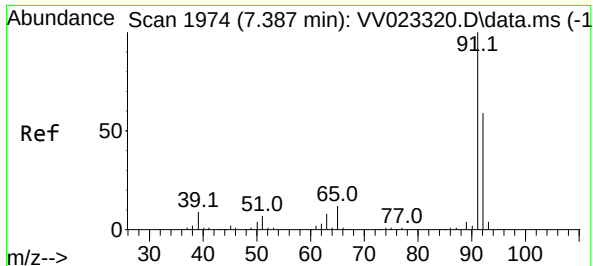
Ion Ratio Lower Upper

43 100

58 40.3 31.1 46.7

100 17.1 12.6 19.0





#42

Toluene

Concen: 5.676 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

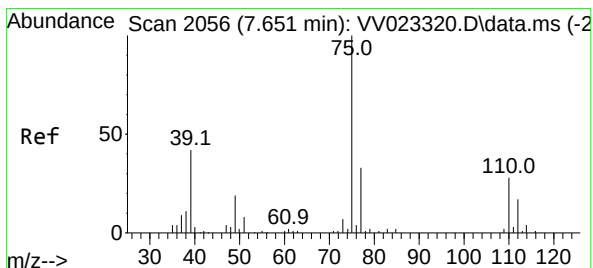
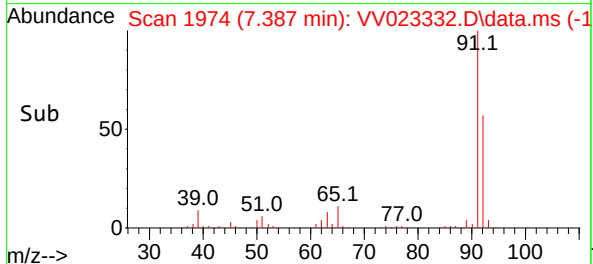
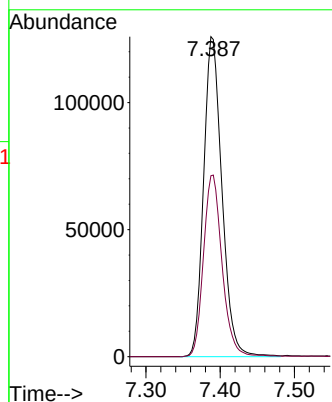
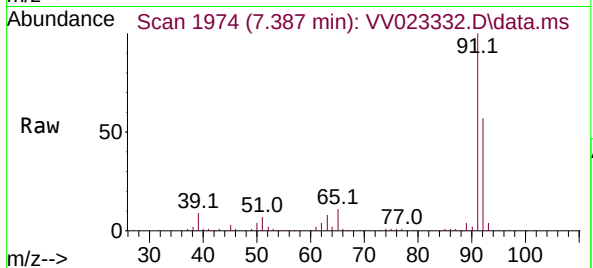
ClientSampleId :

Tgt Ion: 91 Resp: 215672

Ion Ratio Lower Upper

91 100

92 56.5 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 5.057 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV023332.D

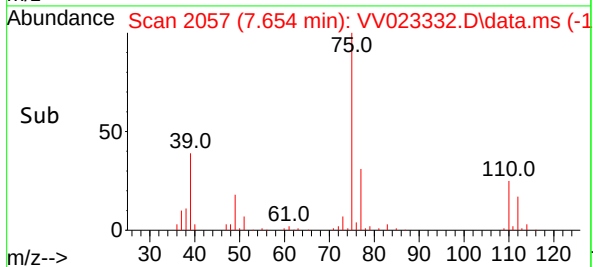
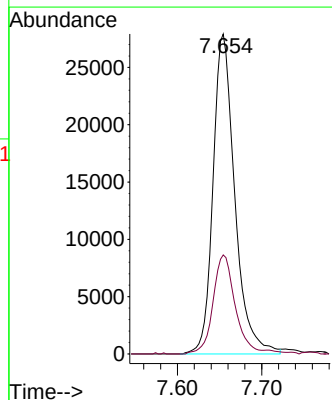
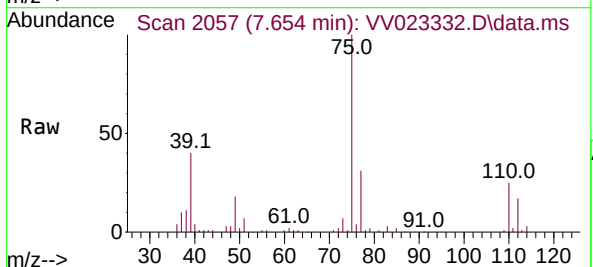
Acq: 10 Nov 2021 14:56

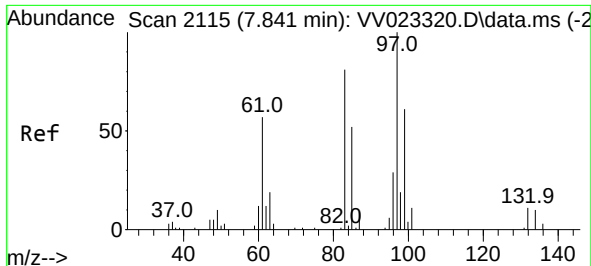
Tgt Ion: 75 Resp: 50053

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.564 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 33160

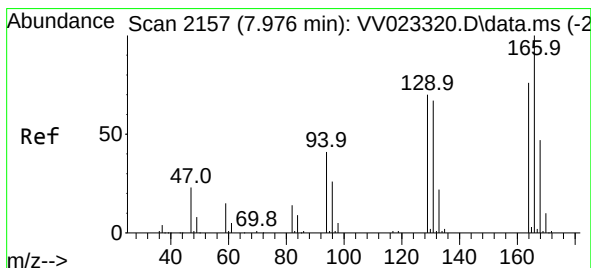
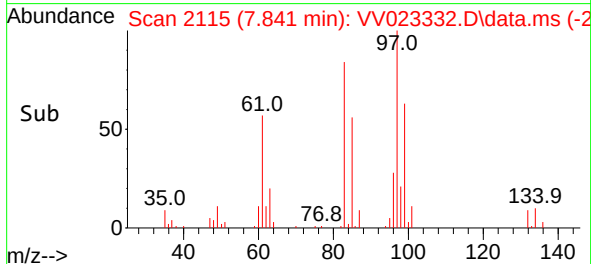
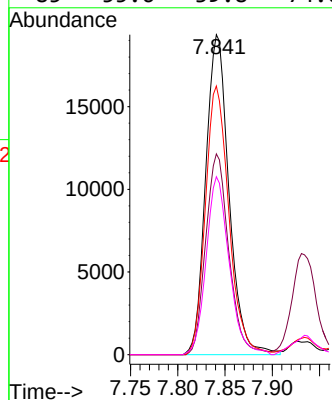
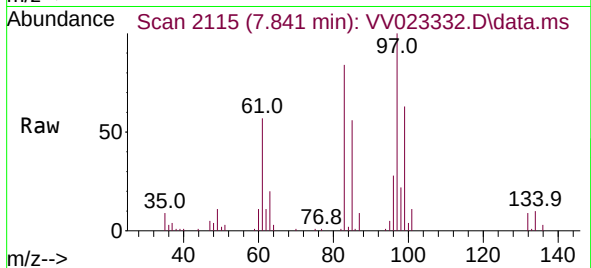
Ion Ratio Lower Upper

97 100

99 62.8 43.6 81.0

83 83.9 58.4 108.4

85 55.6 39.8 74.0



#47

Tetrachloroethene

Concen: 5.451 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Tgt Ion: 164 Resp: 44630

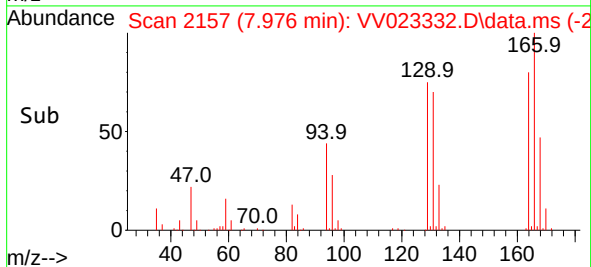
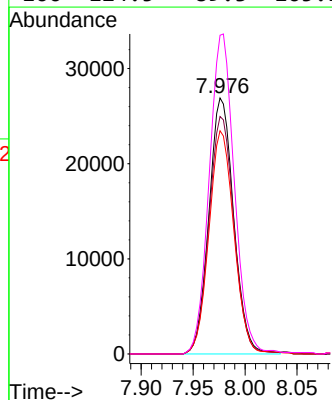
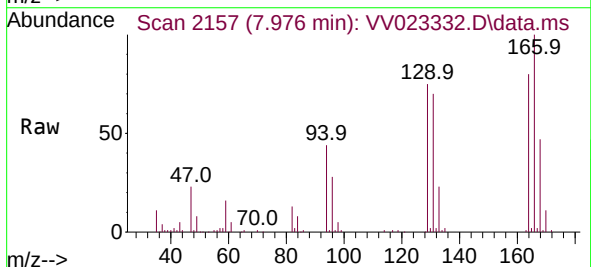
Ion Ratio Lower Upper

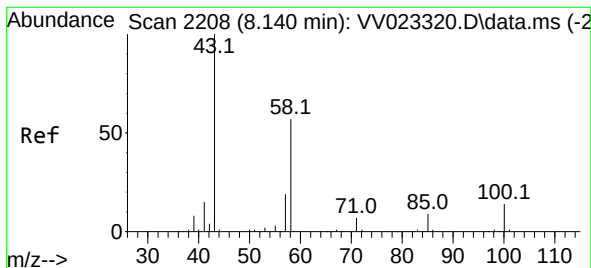
164 100

129 92.8 64.0 119.0

131 87.2 63.4 117.8

166 124.5 89.3 165.9





#48

2-Hexanone

Concen: 67.274 ug/L

RT: 8.140 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 181335

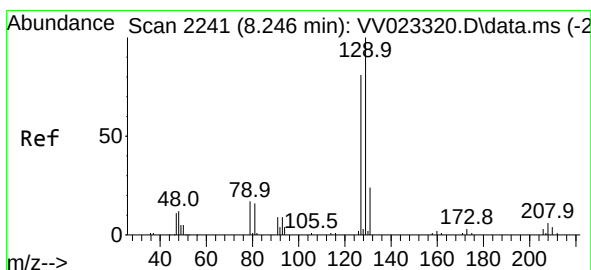
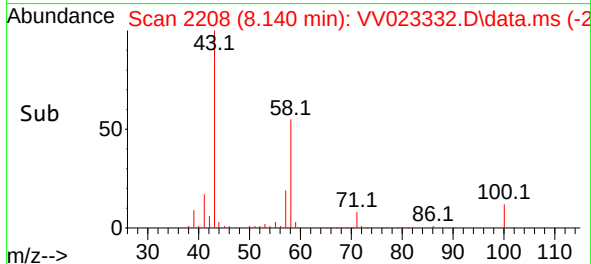
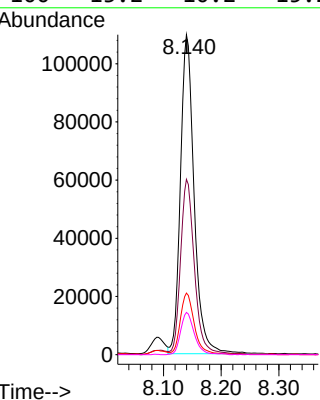
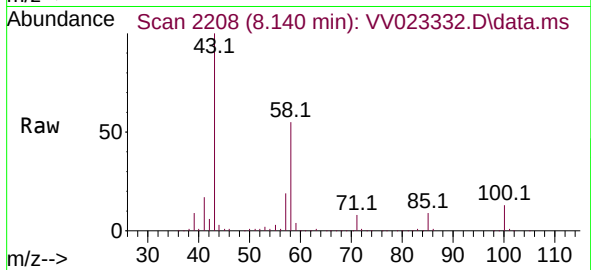
Ion Ratio Lower Upper

43 100

58 55.3 43.7 65.5

57 19.4 14.1 21.1

100 13.2 10.2 15.2



#49

Dibromochloromethane

Concen: 5.436 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VV023332.D

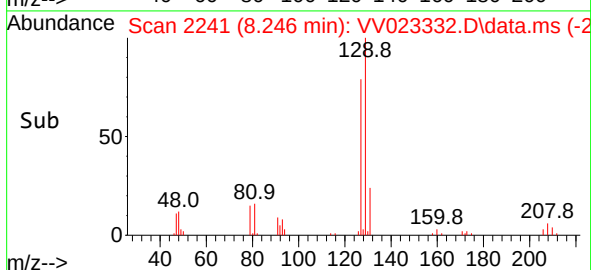
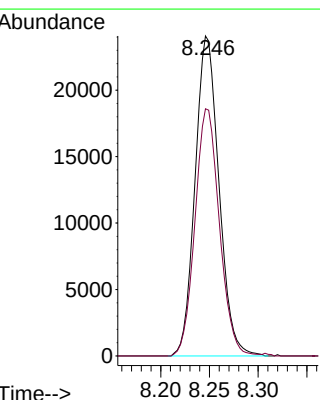
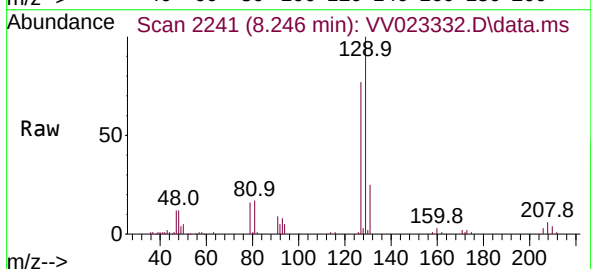
Acq: 10 Nov 2021 14:56

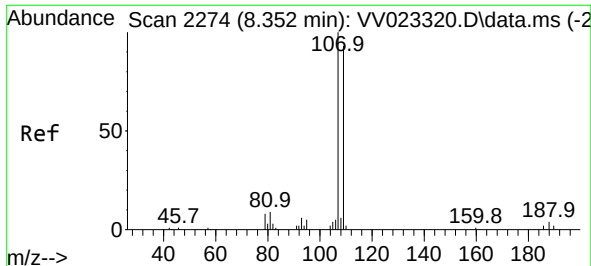
Tgt Ion:129 Resp: 41051

Ion Ratio Lower Upper

129 100

127 77.3 54.7 101.7





#50

1,2-Dibromoethane

Concen: 5.590 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

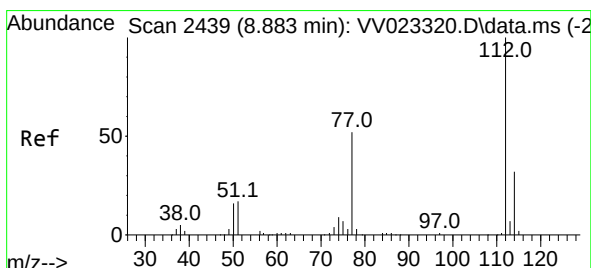
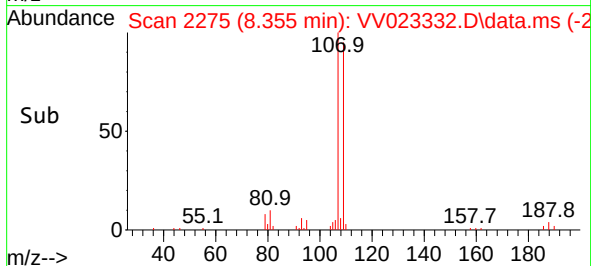
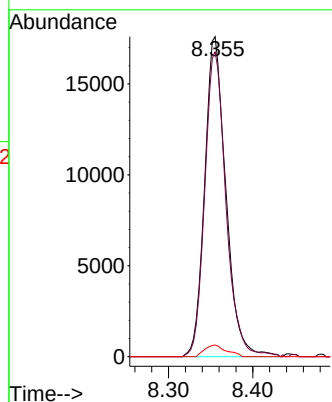
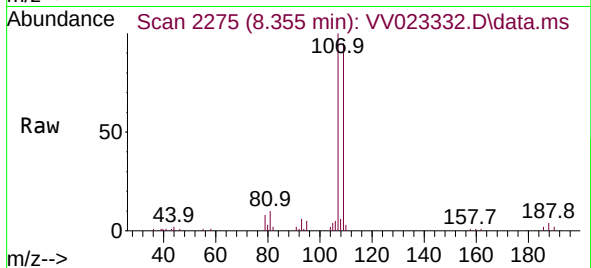
Tgt Ion:107 Resp: 30873

Ion Ratio Lower Upper

107 100

109 95.2 64.7 120.1

188 3.6 3.6 5.4



#51

Chlorobenzene

Concen: 5.313 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

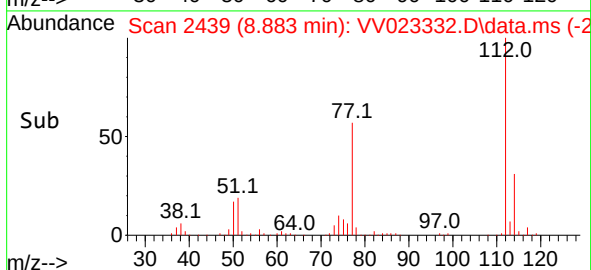
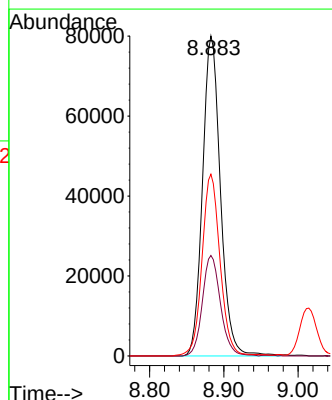
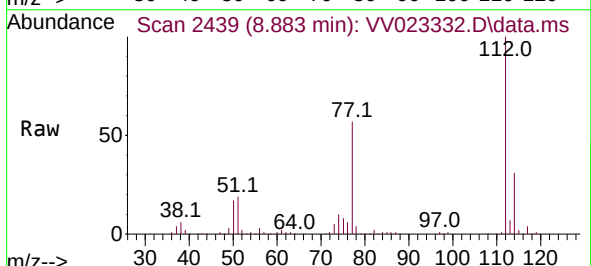
Tgt Ion:112 Resp: 134192

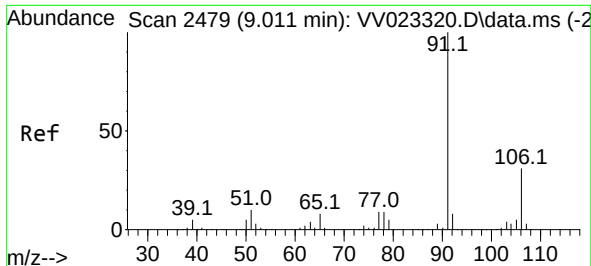
Ion Ratio Lower Upper

112 100

114 31.4 22.0 40.8

77 56.8 44.4 66.6





#52

Ethylbenzene

Concen: 5.372 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV02332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

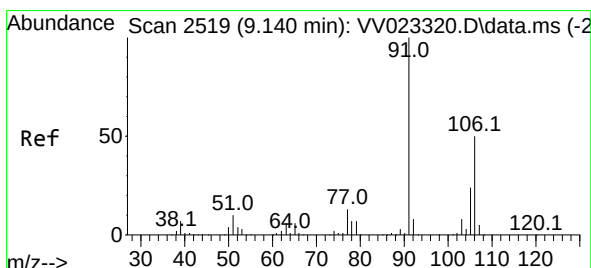
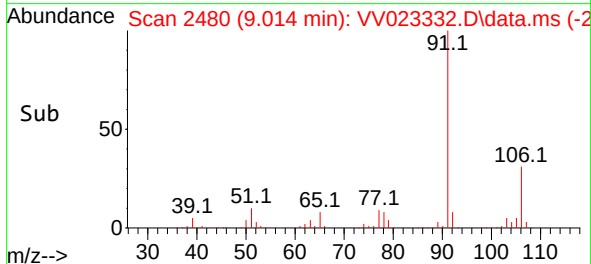
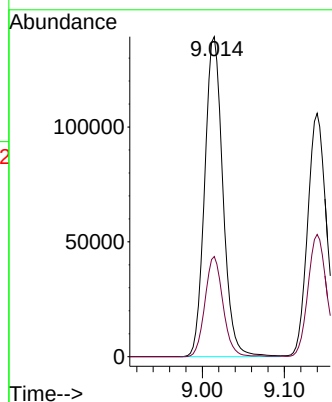
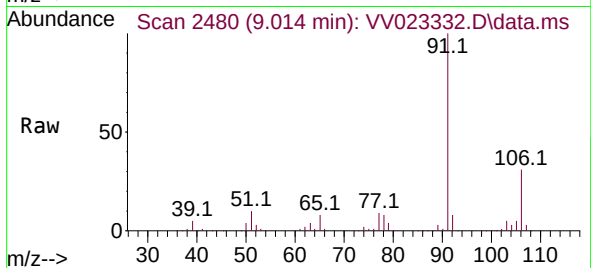
ClientSampleId :

Tgt Ion: 91 Resp: 215286

Ion Ratio Lower Upper

91 100

106 31.3 22.5 41.9



#53

m,p-xylene

Concen: 5.429 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.000 min

Lab File: VV02332.D

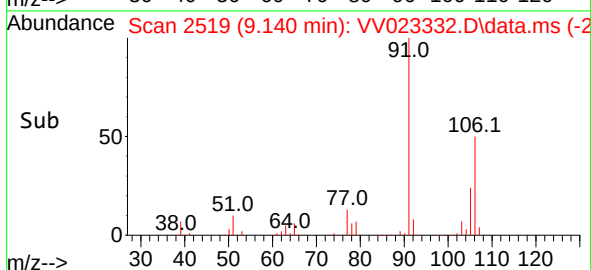
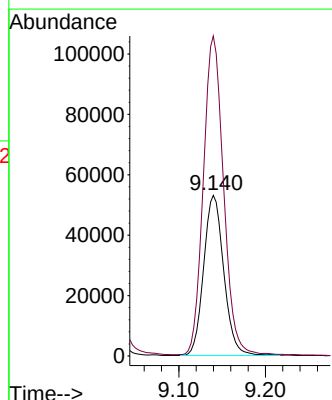
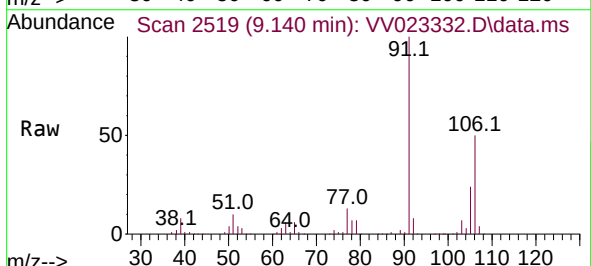
Acq: 10 Nov 2021 14:56

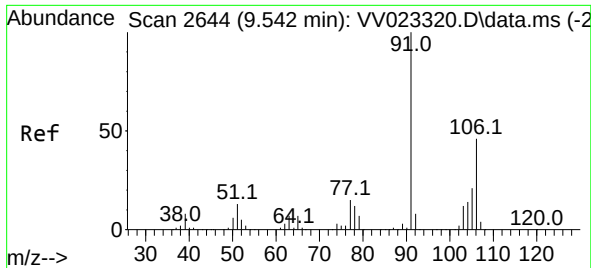
Tgt Ion: 106 Resp: 85389

Ion Ratio Lower Upper

106 100

91 199.1 137.2 254.8

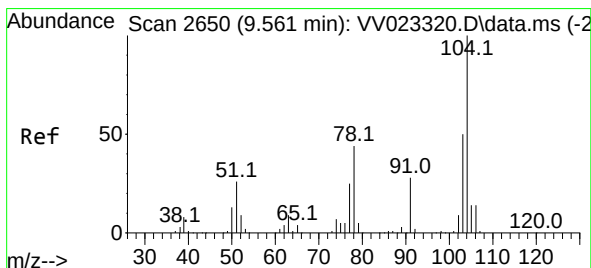
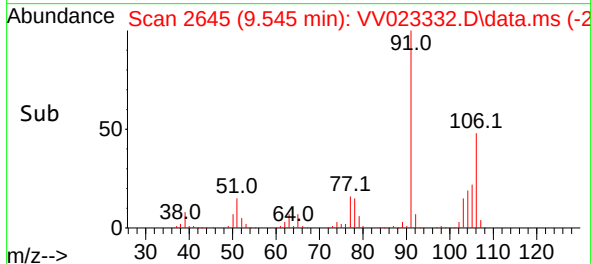
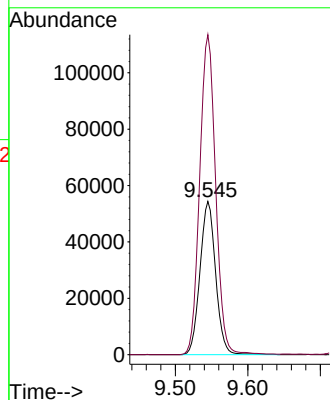
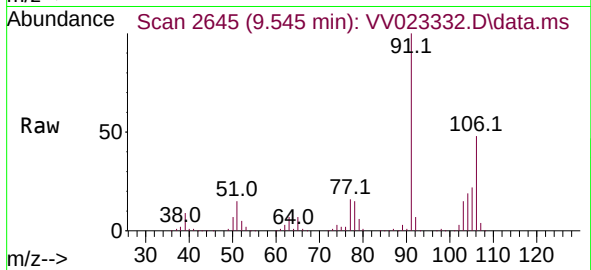




#54
o-xylene
Concen: 5.528 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

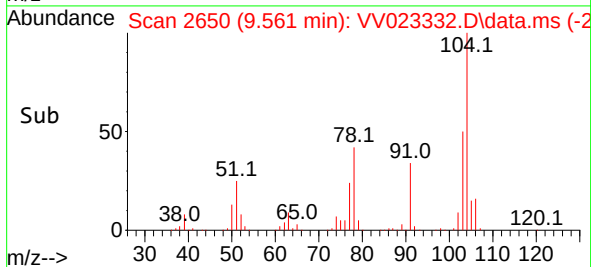
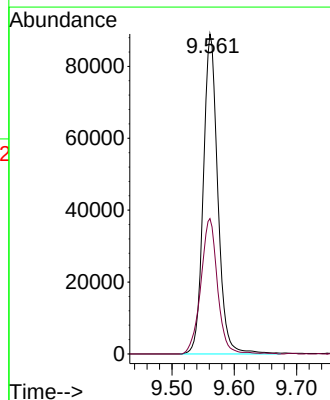
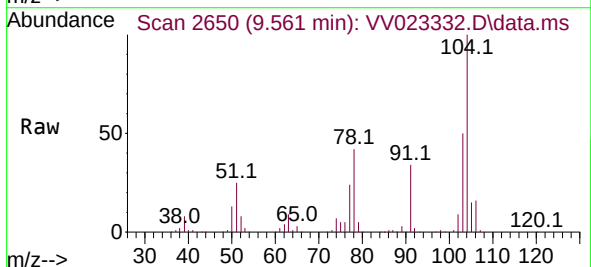
Instrument :
MSVOA_V
ClientSampleId :

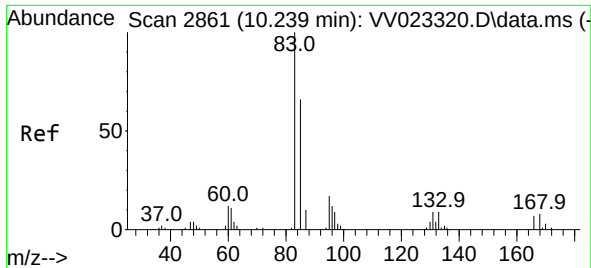
Tgt Ion:106 Resp: 81575
Ion Ratio Lower Upper
106 100
91 208.8 148.3 275.5



#55
Styrene
Concen: 5.691 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.000 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Tgt Ion:104 Resp: 143857
Ion Ratio Lower Upper
104 100
78 42.3 29.3 54.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.662 ug/L

RT: 10.243 min Scan# 2862

Delta R.T. 0.003 min

Lab File: VV023332.D

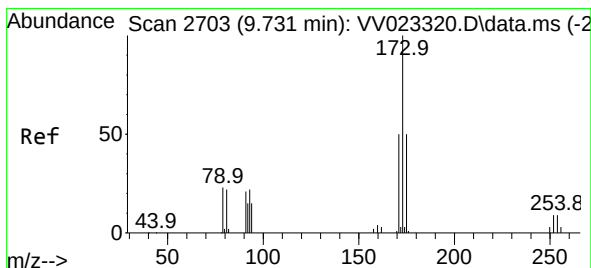
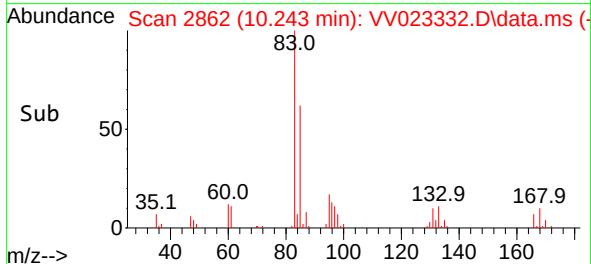
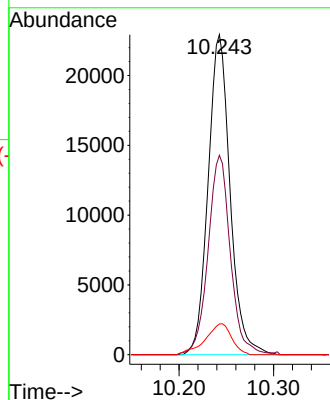
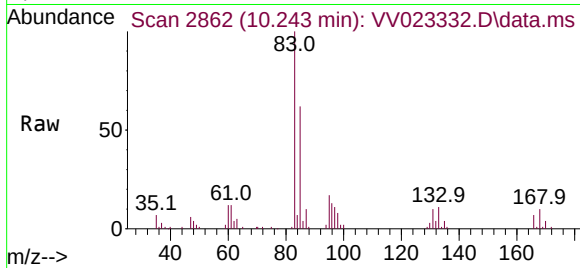
Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	36971
Ion	Ratio	Lower	Upper
83	100		
85	62.3	45.1	83.9
131	9.6	7.8	11.6



#59

Bromoform

Concen: 5.408 ug/L

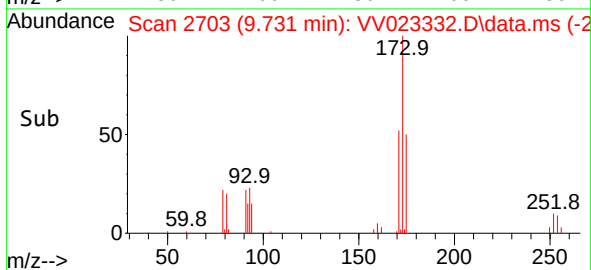
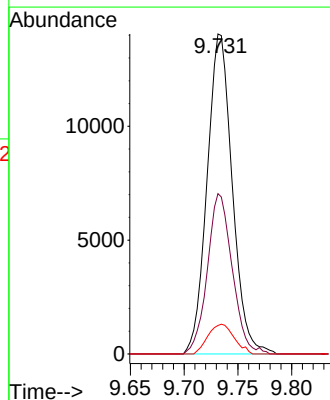
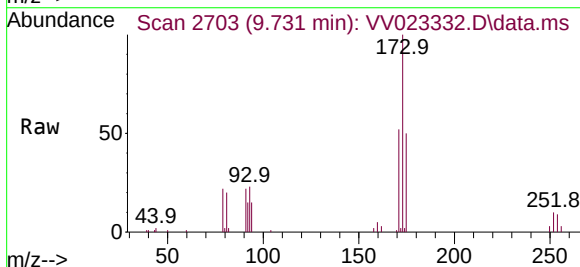
RT: 9.731 min Scan# 2703

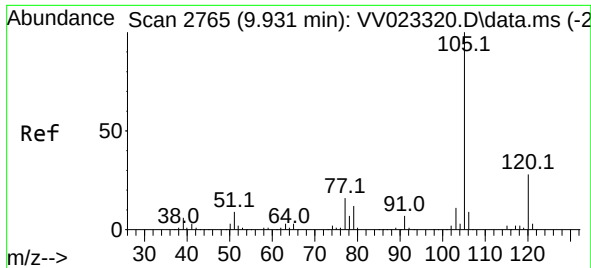
Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Tgt Ion:	173	Resp:	22926
Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.2	57.2
254	9.6	6.2	9.2#

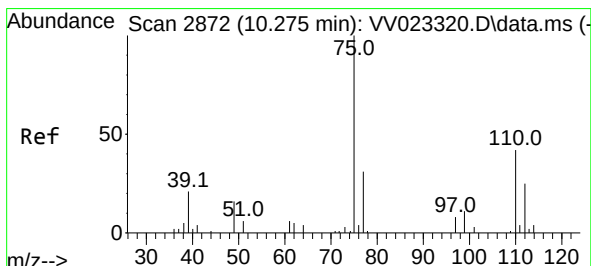
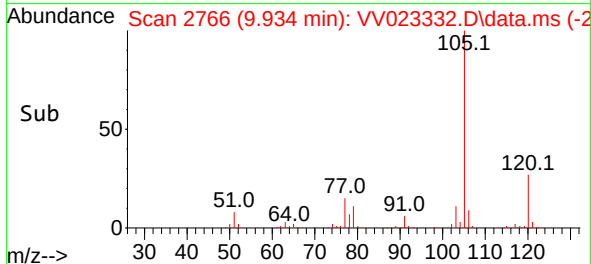
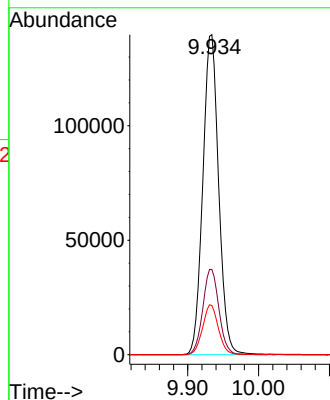
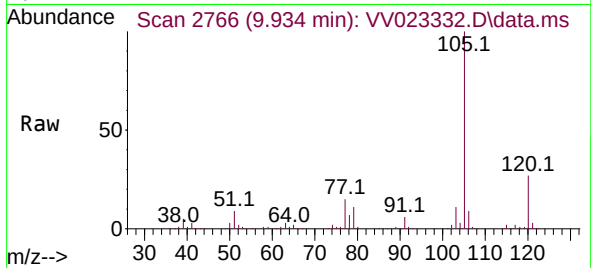




#60
Isopropylbenzene
Concen: 5.326 ug/L
RT: 9.934 min Scan# 216911
Delta R.T. 0.003 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

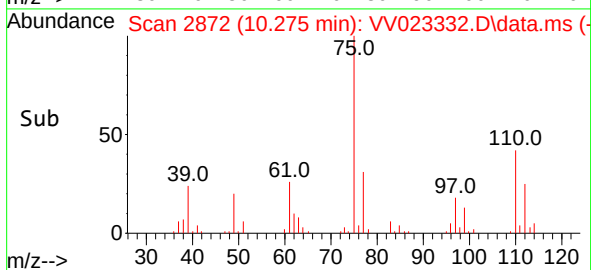
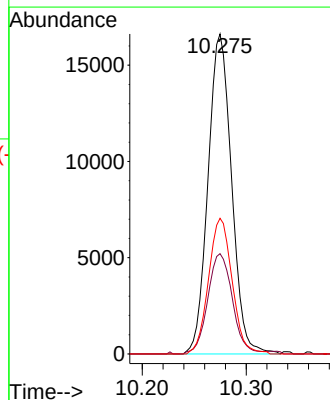
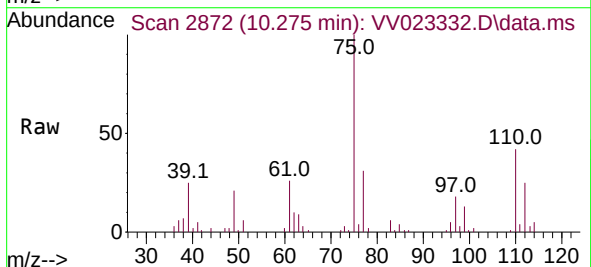
Instrument :
MSVOA_V
ClientSampleId :

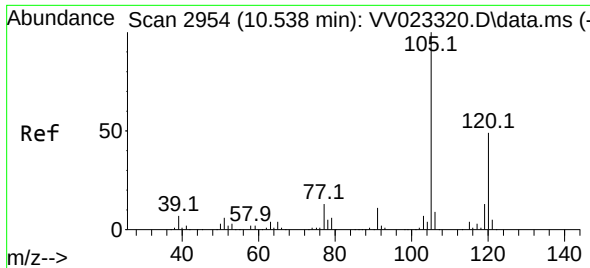
Tgt Ion:105 Resp: 216911
Ion Ratio Lower Upper
105 100
120 27.1 21.7 32.5
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.548 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.000 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Tgt Ion: 75 Resp: 26154
Ion Ratio Lower Upper
75 100
77 32.8 26.6 39.8
110 42.5 31.8 47.6

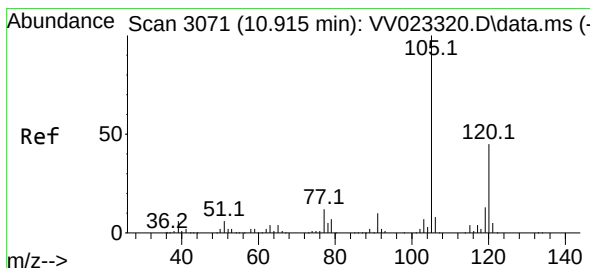
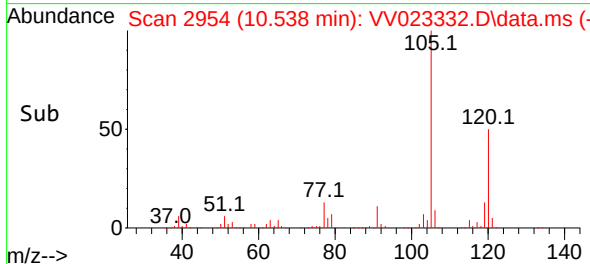
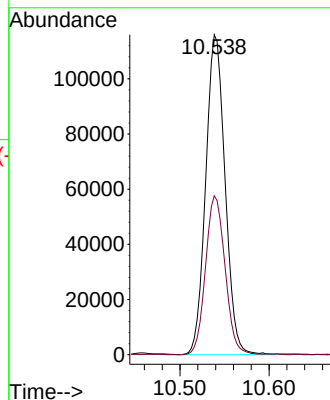
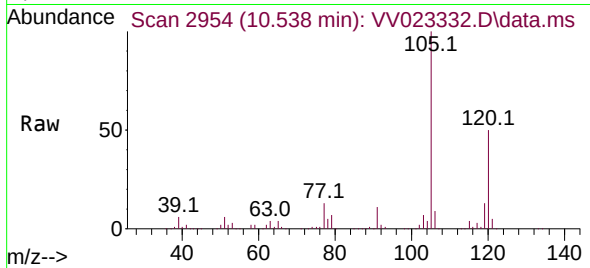




#62
 1,3,5-Trimethylbenzene
 Concen: 5.181 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV023332.D
 Acq: 10 Nov 2021 14:56

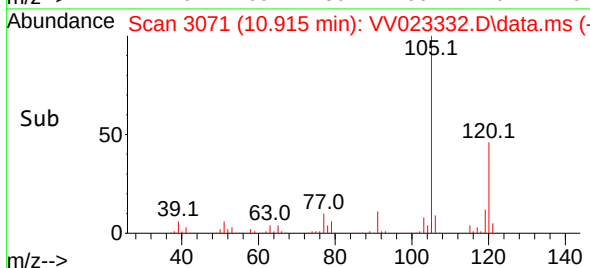
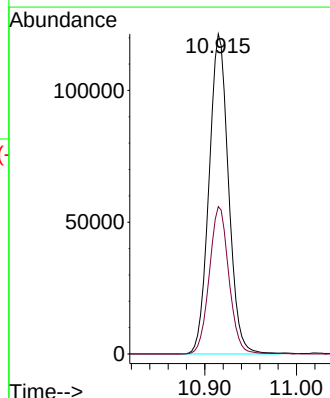
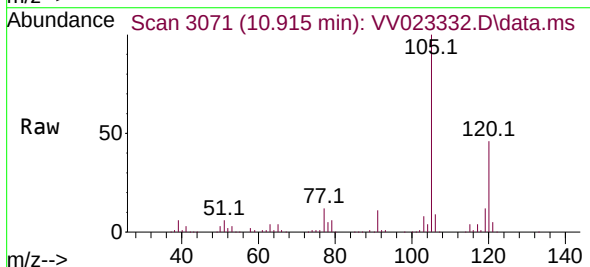
Instrument :
 MSVOA_V
 ClientSampleId :

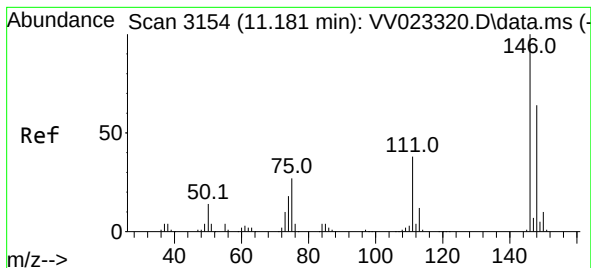
Tgt Ion:105 Resp: 174964
 Ion Ratio Lower Upper
 105 100
 120 50.2 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.336 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: VV023332.D
 Acq: 10 Nov 2021 14:56

Tgt Ion:105 Resp: 179358
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.4 56.2





#64

1,3-Dichlorobenzene

Concen: 5.345 ug/L

RT: 11.182 min Scan# 3154

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

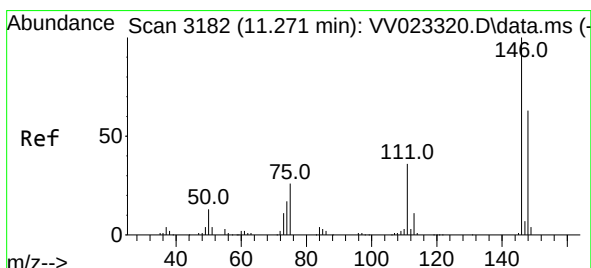
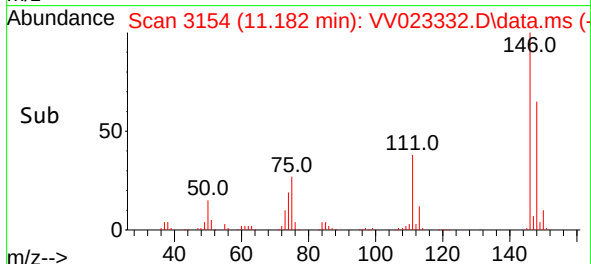
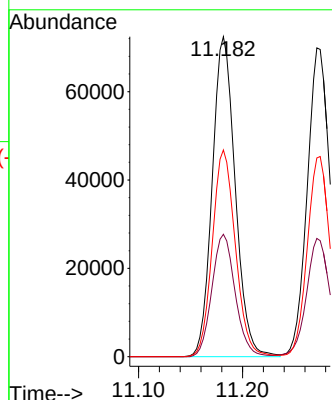
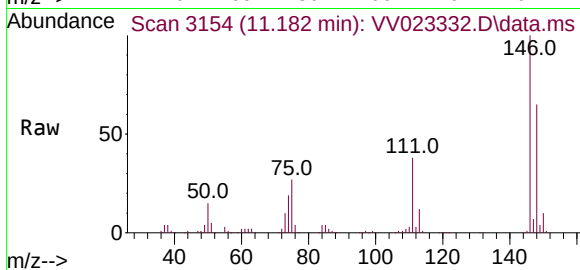
Tgt Ion:146 Resp: 111228

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

148 64.6 42.9 79.7



#65

1,4-Dichlorobenzene

Concen: 5.155 ug/L

RT: 11.272 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

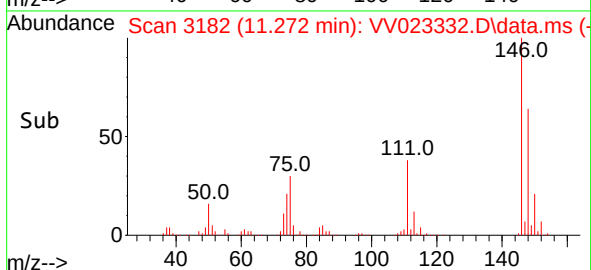
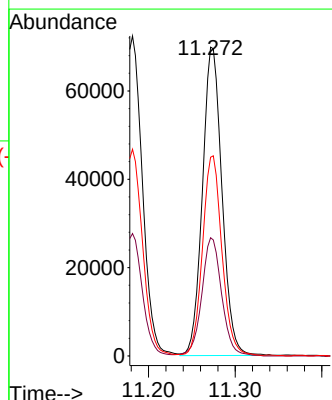
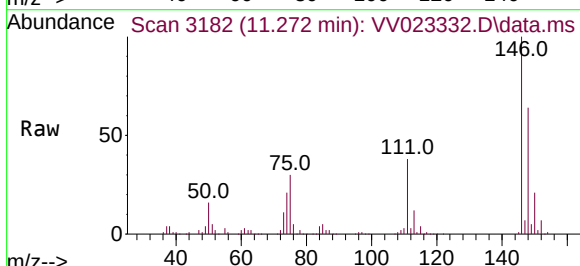
Tgt Ion:146 Resp: 109547

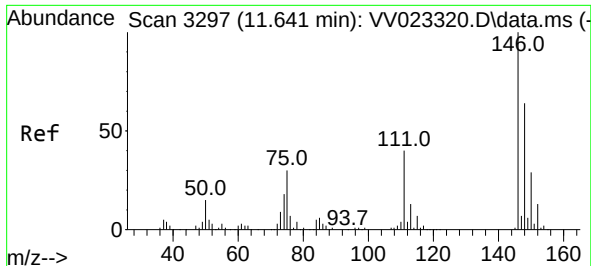
Ion Ratio Lower Upper

146 100

111 38.3 26.2 48.8

148 64.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 5.412 ug/L

RT: 11.645 min Scan# 3297

Delta R.T. 0.003 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

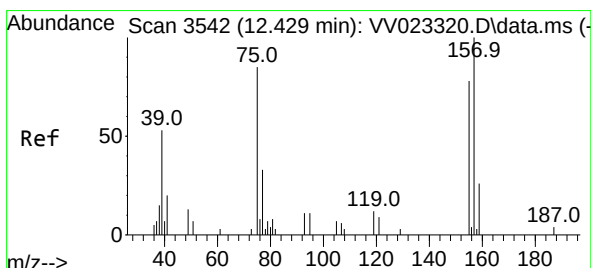
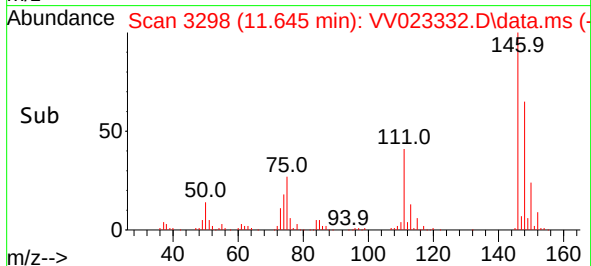
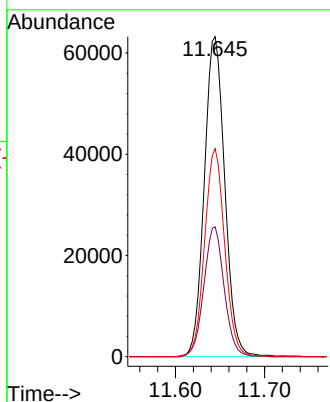
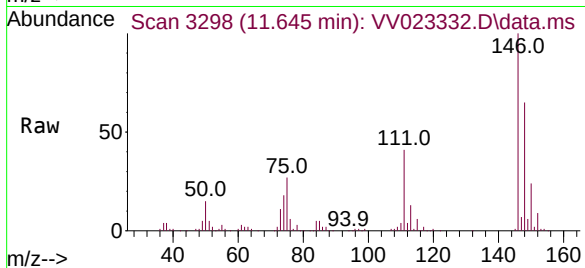
Tgt Ion:146 Resp: 100779

Ion Ratio Lower Upper

146 100

111 40.6 31.6 47.4

148 65.0 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.689 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

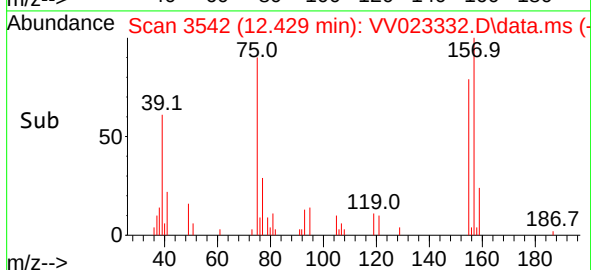
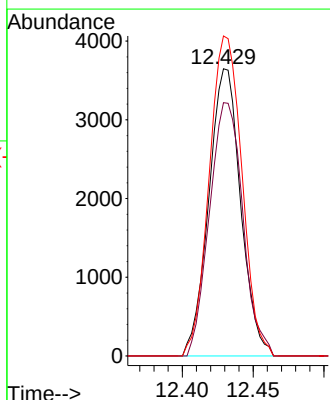
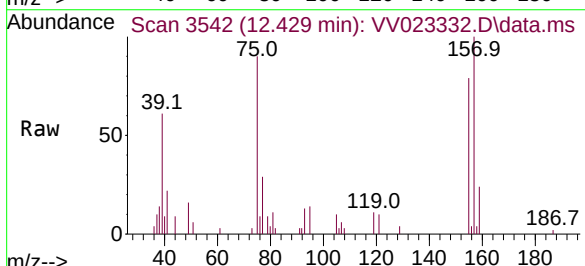
Tgt Ion: 75 Resp: 5714

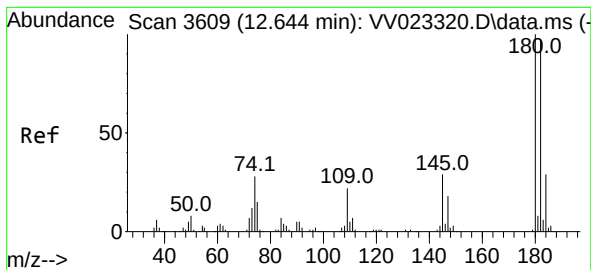
Ion Ratio Lower Upper

75 100

155 88.2 67.7 101.5

157 111.4 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 4.967 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 80926

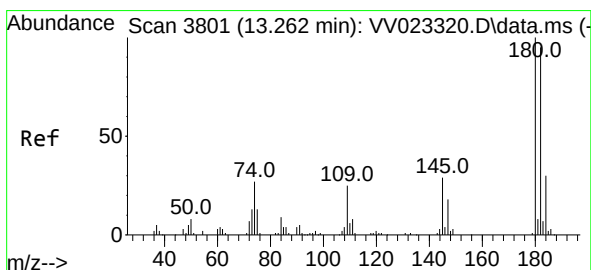
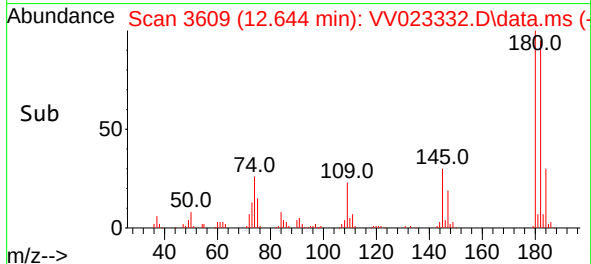
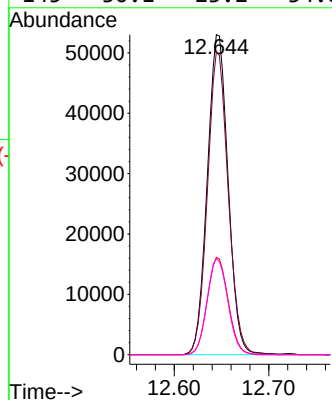
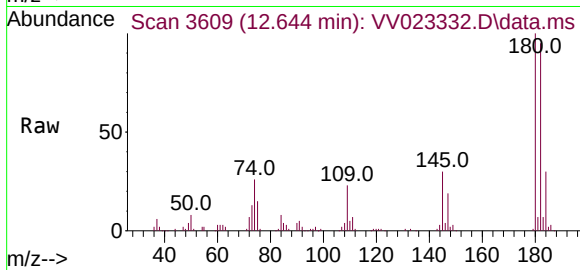
Ion Ratio Lower Upper

180 100

182 94.4 74.9 112.3

184 30.7 23.8 35.8

145 30.1 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.977 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023332.D

Acq: 10 Nov 2021 14:56

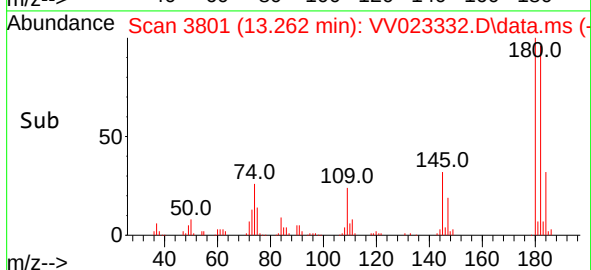
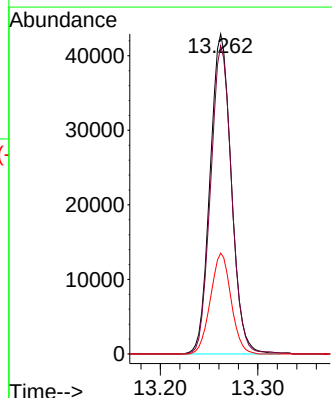
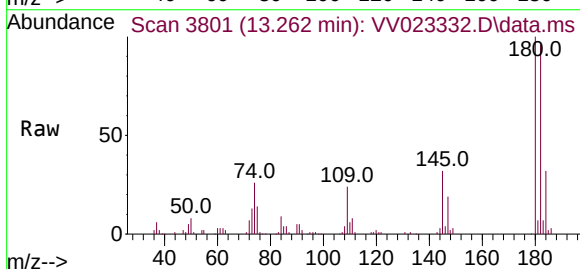
Tgt Ion:180 Resp: 64936

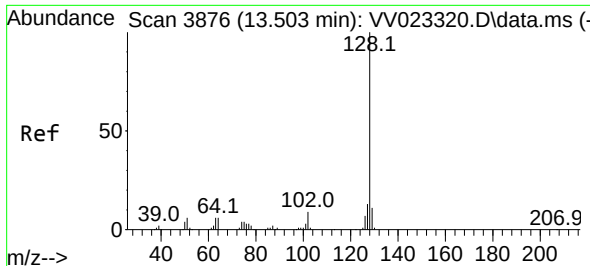
Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

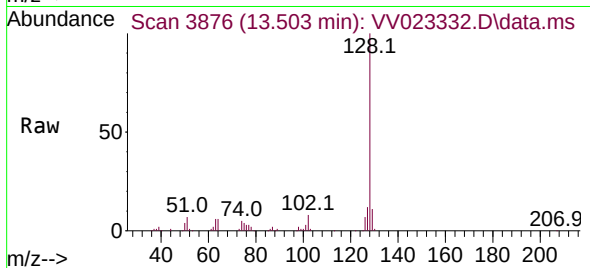
145 30.5 24.4 36.6



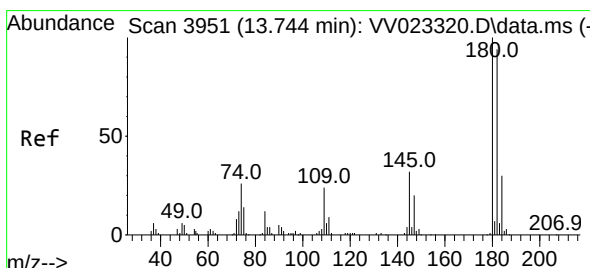
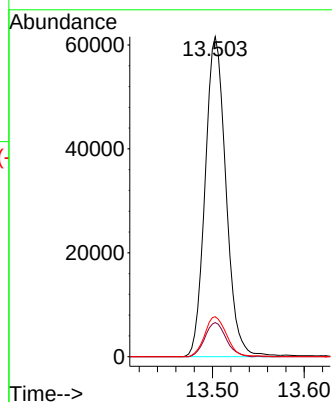
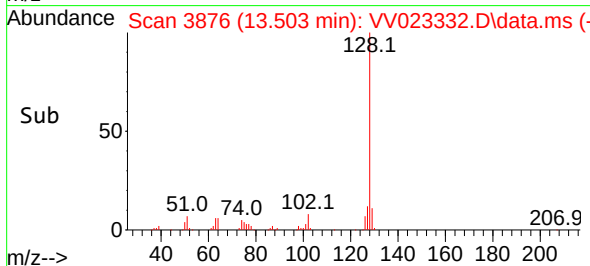


#71
Naphthalene
Concen: 5.044 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 97033
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.2 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 5.204 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023332.D
Acq: 10 Nov 2021 14:56

Tgt Ion:180 Resp: 59403
Ion Ratio Lower Upper
180 100
182 95.3 76.7 115.1
145 31.5 25.7 38.5

