

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW123121\
 Data File : VW024242.D
 Acq On : 30 Dec 2021 19:07
 Operator : SY/MD
 Sample : VSTD00569
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 31 05:01:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 31 05:01:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	237846	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	224680	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	113283	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	8718	5.093	ug/L	0.00
7) Chloroethane-d5	1.568	69	6630	5.099	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.111	63	15733	4.918	ug/L	0.00
21) 2-Butanone-d5	3.908	46	2405	2.509	ug/L	0.02
24) Chloroform-d	4.355	84	15295	4.889	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.040	65	10336	4.935	ug/L	0.00
32) Benzene-d6	5.056	84	28232	4.815	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.076	67	8001	4.869	ug/L	0.00
41) Toluene-d8	7.320	98	26218	4.618	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.629	79	4091	4.324	ug/L	0.00
47) 2-Hexanone-d5	8.098	63	5382	7.539	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.217	84	11079	4.718	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	11730	5.195	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	9543	4.973	ug/L	100
3) Chloromethane	1.243	50	8232	5.106	ug/L	95
5) Vinyl chloride	1.310	62	8228	4.824	ug/L #	75
6) Bromomethane	1.523	94	4504	4.634	ug/L	96
8) Chloroethane	1.587	64	5623	5.341	ug/L	92
9) Trichlorofluoromethane	1.754	101	15243	4.971	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	7316	4.882	ug/L	97
12) 1,1-Dichloroethene	2.121	96	6735	4.649	ug/L	81
13) Acetone	2.182	43	10134	11.327	ug/L	62
14) Carbon disulfide	2.298	76	20360	4.840	ug/L	98
15) Methyl Acetate	2.442	43	6300	4.600	ug/L	99
16) Methylene chloride	2.510	84	8296	5.258	ug/L	95
17) trans-1,2-Dichloroethene	2.764	96	7347	4.921	ug/L	97
18) Methyl tert-butyl Ether	2.770	73	20823	4.526	ug/L #	92
19) 1,1-Dichloroethane	3.195	63	11641	4.701	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	7335	4.600	ug/L	98
22) 2-Butanone	3.998	43	5973	5.976	ug/L	78
23) Bromochloromethane	4.259	128	4526	4.927	ug/L	93
25) Chloroform	4.381	83	14231	4.916	ug/L	100
27) 1,2-Dichloroethane	5.137	62	11356	4.823	ug/L	98
29) Cyclohexane	4.683	56	8490	4.227	ug/L #	88
30) 1,1,1-Trichloroethane	4.609	97	13176	4.766	ug/L	99
31) Carbon tetrachloride	4.831	117	11968	4.666	ug/L	100
33) Benzene	5.105	78	25326	4.433	ug/L	100
34) Trichloroethene	5.918	95	7583	4.813	ug/L	96
35) Methylcyclohexane	6.133	83	9835	4.209	ug/L	94
37) 1,2-Dichloropropane	6.178	63	6008	4.471	ug/L	98
38) Bromodichloromethane	6.513	83	9496	4.503	ug/L #	94
39) cis-1,3-Dichloropropene	7.034	75	9762	4.322	ug/L	97
40) 4-Methyl-2-pentanone	7.233	43	15354	8.762	ug/L	98
42) Toluene	7.391	91	28401	4.429	ug/L	98
44) trans-1,3-Dichloropropene	7.657	75	9177	4.005	ug/L	98

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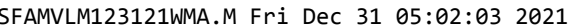
Quant Time: Dec 31 05:01:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 31 05:01:12 2021
 Response via : Initial Calibration

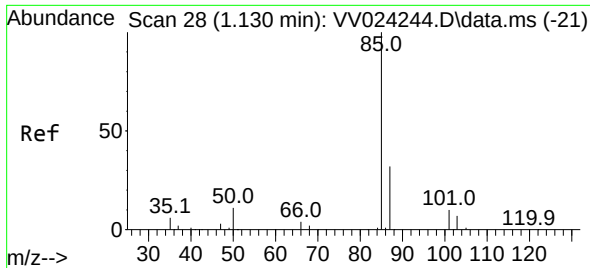
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.844	97	7133	4.735	ug/L	95
46) Tetrachloroethene	7.979	164	6751	4.708	ug/L	98
48) 2-Hexanone	8.146	43	11777	8.368	ug/L	98
49) Dibromochloromethane	8.246	129	8818	4.670	ug/L	98
50) 1,2-Dibromoethane	8.355	107	7472	4.618	ug/L	93
51) Chlorobenzene	8.883	112	20092	4.652	ug/L	98
52) Ethylbenzene	9.014	91	29758	4.344	ug/L	97
53) m,p-Xylene	9.140	106	11856	4.317	ug/L	89
54) o-Xylene	9.545	106	10795	4.118	ug/L	99
55) Styrene	9.564	104	18128	3.982	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.243	83	10052	4.570	ug/L	91
59) Bromoform	9.731	173	6271	4.855	ug/L	97
60) Isopropylbenzene	9.931	105	28794	4.593	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	8944	5.377	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	23881	4.429	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	23396	4.346	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	15192	4.700	ug/L	96
65) 1,4-Dichlorobenzene	11.272	146	16487	4.946	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	16681	5.008	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	2269	4.736	ug/L	90
69) 1,3,5-Trichlorobenzene	12.648	180	11567	4.653	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	9379	4.411	ug/L	99
71) Naphthalene	13.503	128	25566	4.156	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	10009	4.555	ug/L	97

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
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QLast Update : Fri Dec 31 05:01:12 2021
Response via : Initial Calibration

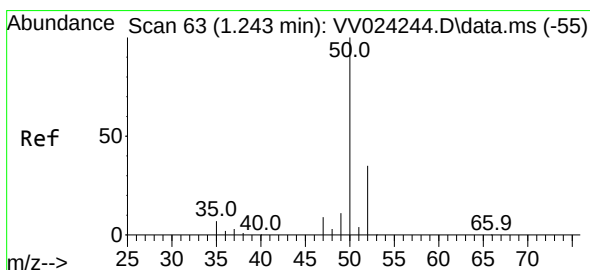
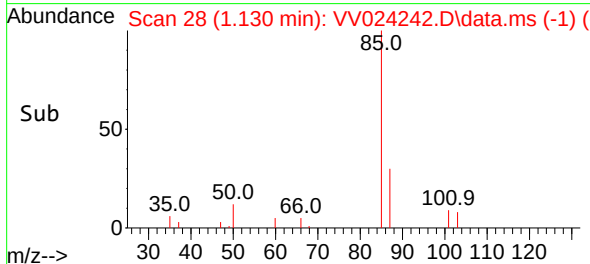
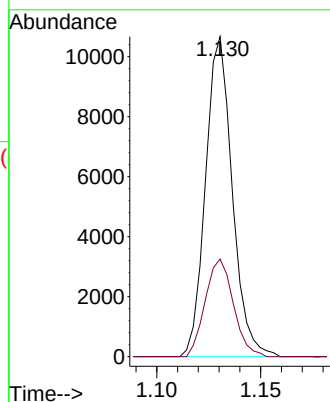
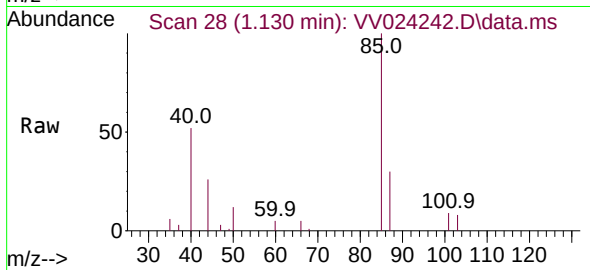




#2
 Dichlorodifluoromethane
 Concen: 4.973 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07

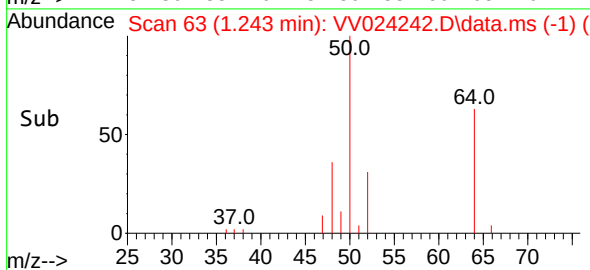
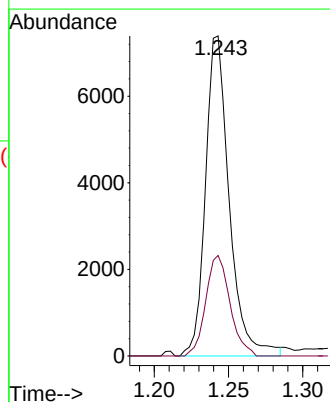
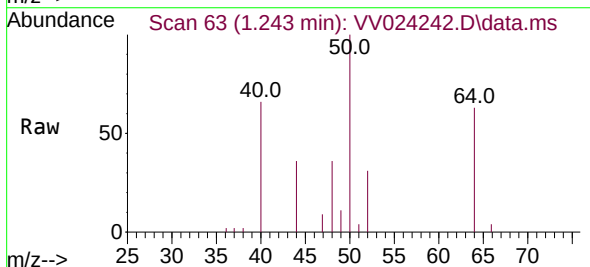
Instrument :
 MSVOA_V
 ClientSampleId :

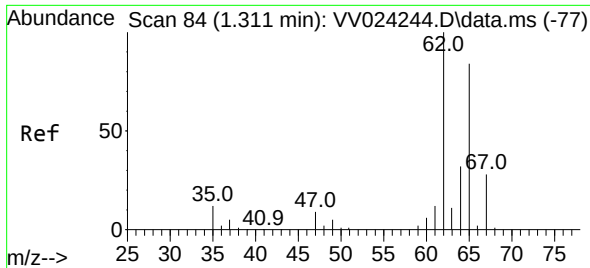
Tgt Ion: 85 Resp: 9543
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.8



#3
 Chloromethane
 Concen: 5.106 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07

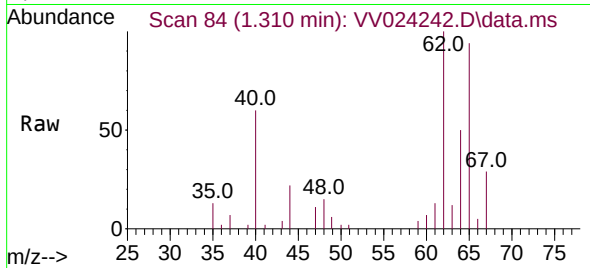
Tgt Ion: 50 Resp: 8232
 Ion Ratio Lower Upper
 50 100
 52 31.4 24.1 44.7



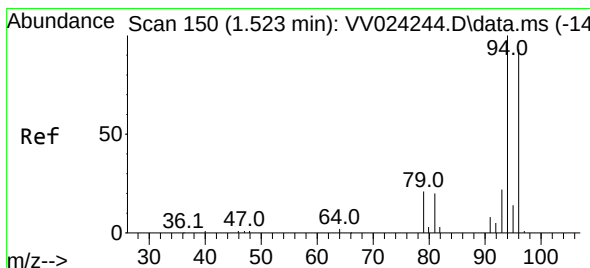
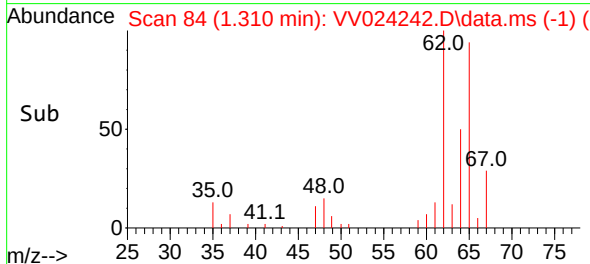
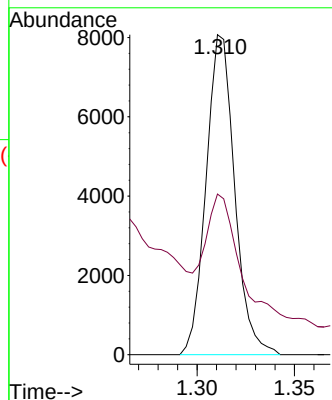


#5
 Vinyl chloride
 Concen: 4.824 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07

Instrument :
 MSVOA_V
 ClientSampleId :

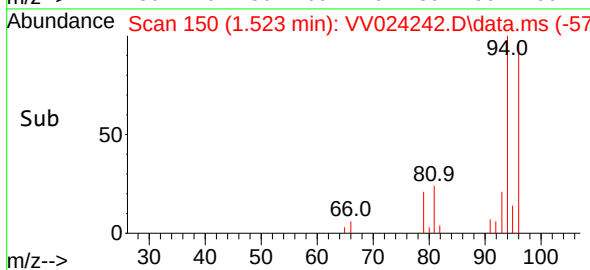
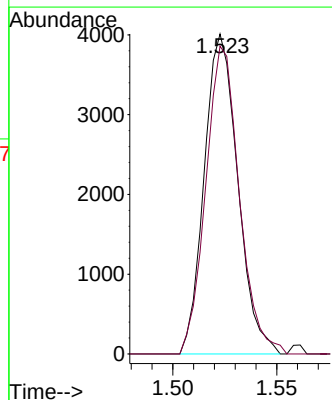
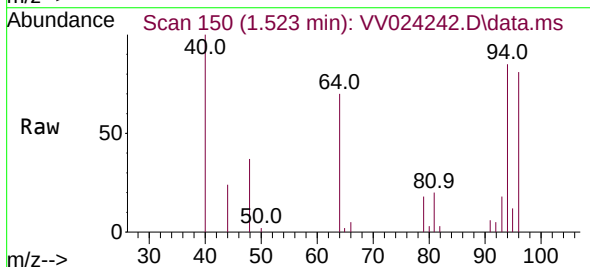


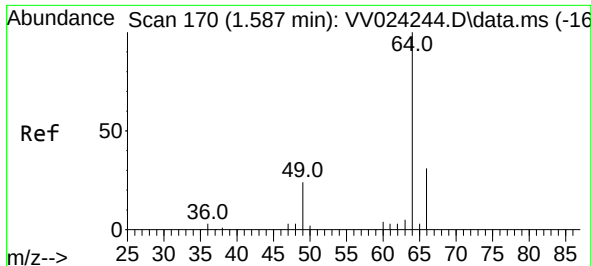
Tgt Ion: 62 Resp: 8228
 Ion Ratio Lower Upper
 62 100
 64 50.2 25.0 46.4#



#6
 Bromomethane
 Concen: 4.634 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07

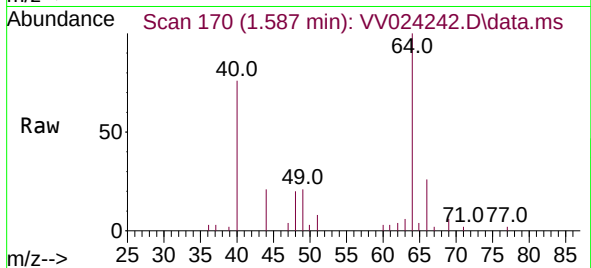
Tgt Ion: 94 Resp: 4504
 Ion Ratio Lower Upper
 94 100
 96 96.2 65.0 120.6



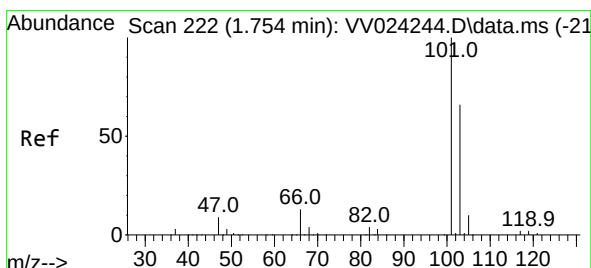
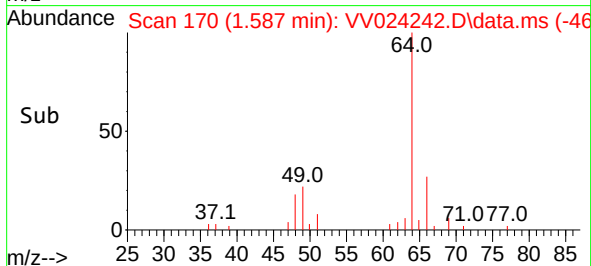
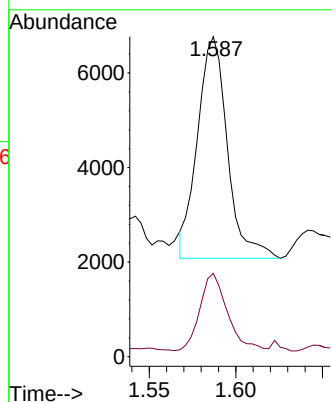


#8
Chloroethane
Concen: 5.341 ug/L
RT: 1.587 min Scan# 170
Delta R.T. -0.000 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Instrument :
MSVOA_V
ClientSampleId :

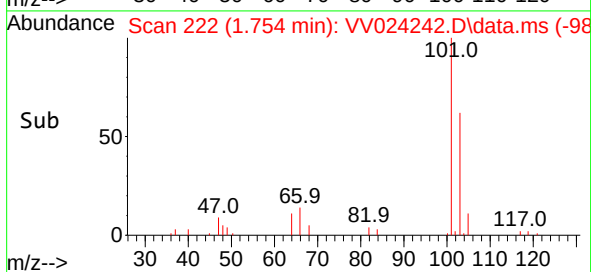
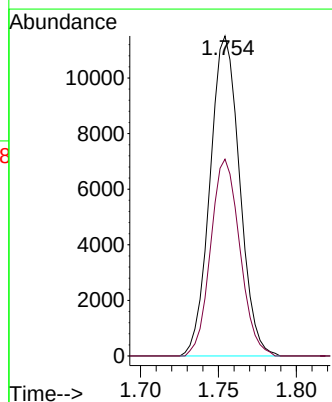
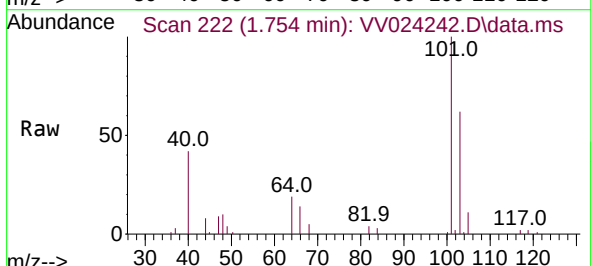


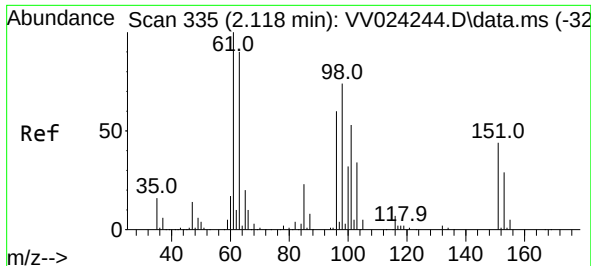
Tgt Ion: 64 Resp: 5623
Ion Ratio Lower Upper
64 100
66 26.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.971 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion:101 Resp: 15243
Ion Ratio Lower Upper
101 100
103 60.6 52.0 78.0

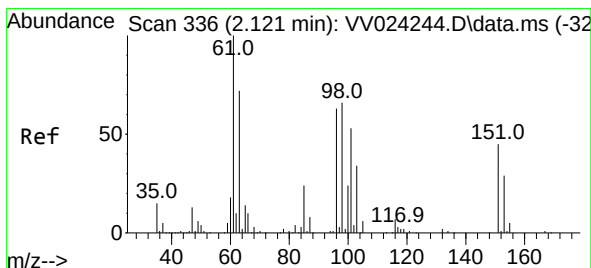
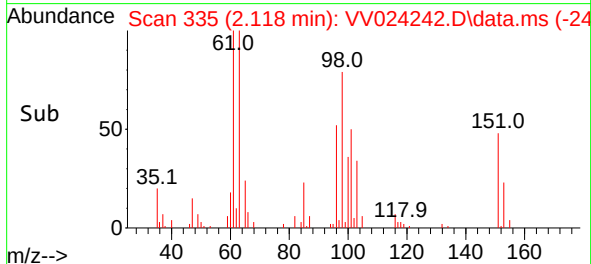
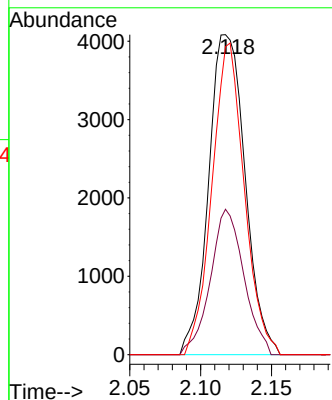
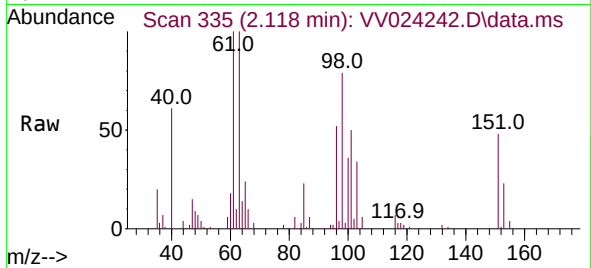




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.882 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07

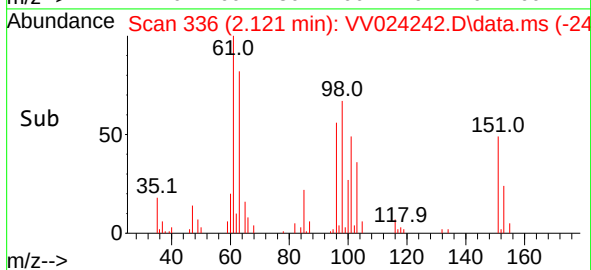
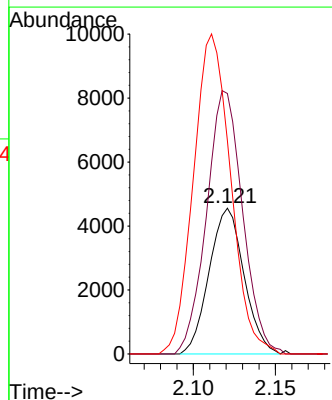
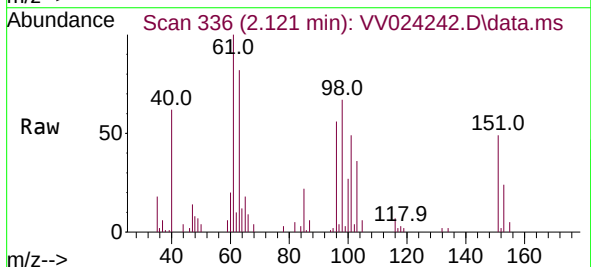
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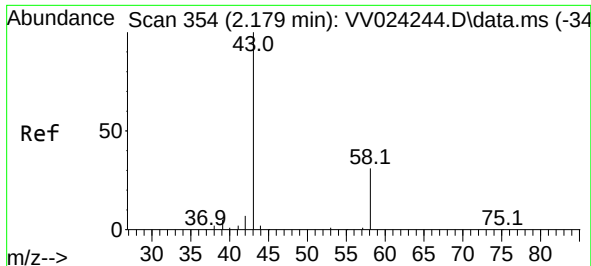
Tgt Ion:101 Resp: 7316
 Ion Ratio Lower Upper
 101 100
 85 41.7 35.3 52.9
 151 86.3 67.1 100.7



#12
 1,1-Dichloroethene
 Concen: 4.649 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.000 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07

Tgt Ion: 96 Resp: 6735
 Ion Ratio Lower Upper
 96 100
 61 178.7 111.9 207.9
 63 146.4 82.7 153.5

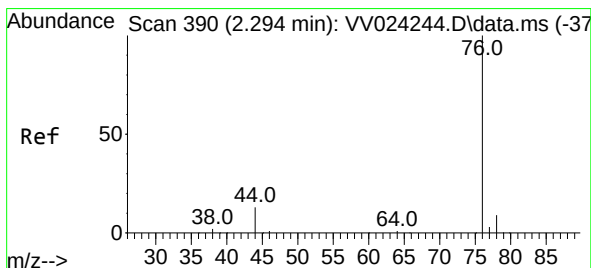
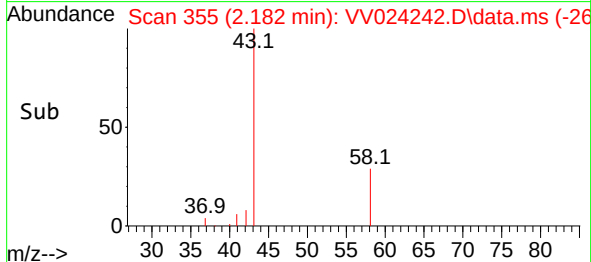
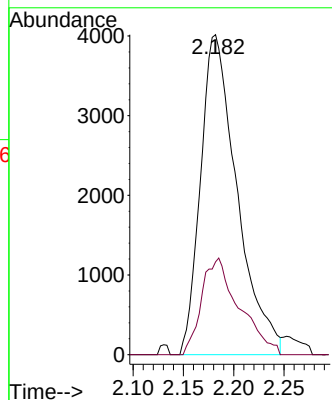
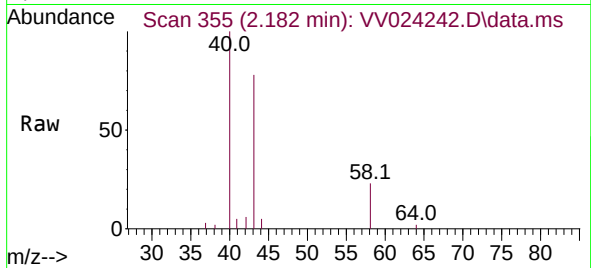




#13
Acetone
Concen: 11.327 ug/L
RT: 2.182 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

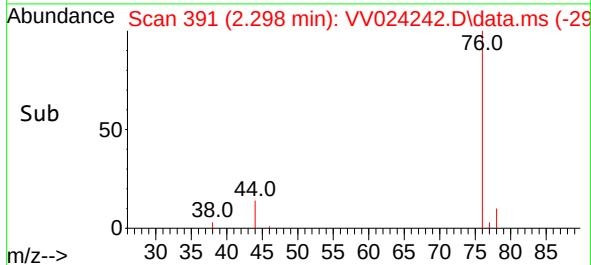
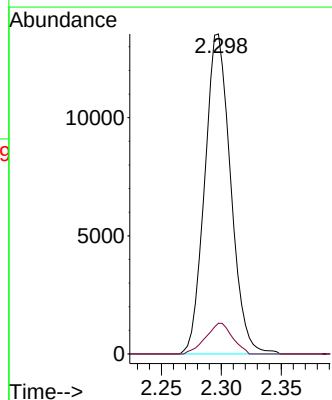
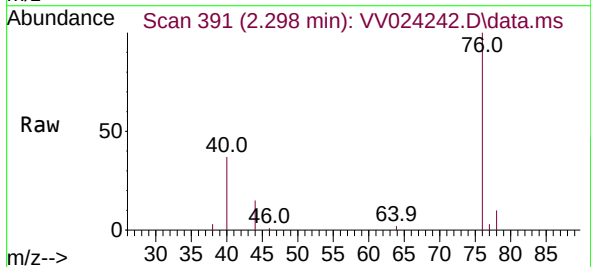
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ClientSampleId :

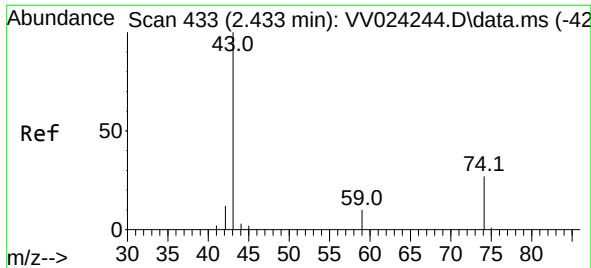
Tgt Ion: 43 Resp: 10134
Ion Ratio Lower Upper
43 100
58 10.3 0.0 63.0



#14
Carbon disulfide
Concen: 4.840 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion: 76 Resp: 20360
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8





#15

Methyl Acetate

Concen: 4.600 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.010 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

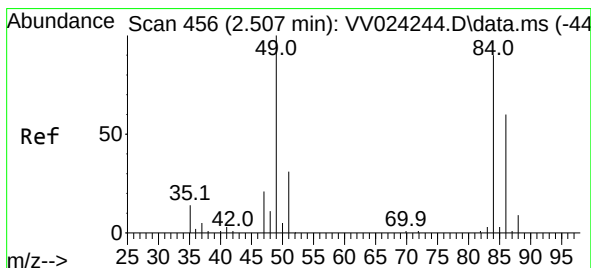
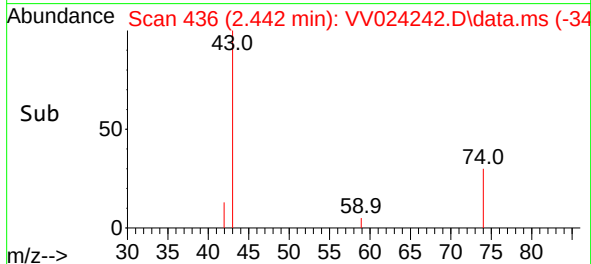
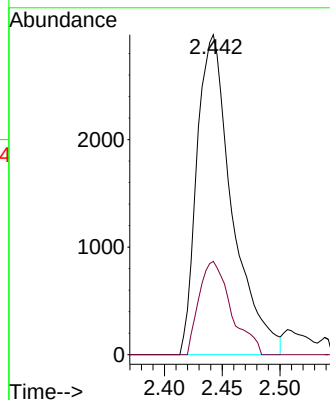
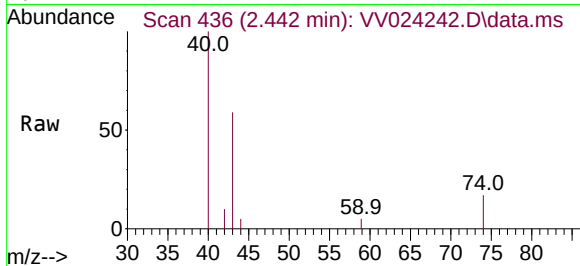
ClientSampleId :

Tgt Ion: 43 Resp: 6300

Ion Ratio Lower Upper

43 100

74 26.7 21.8 32.8



#16

Methylene chloride

Concen: 5.258 ug/L

RT: 2.510 min Scan# 457

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

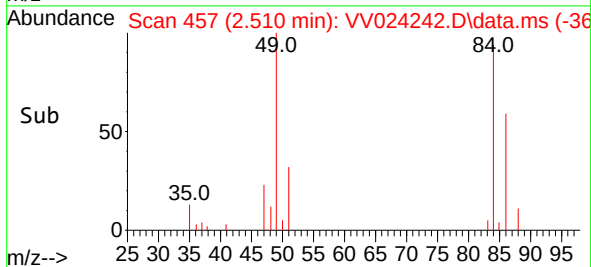
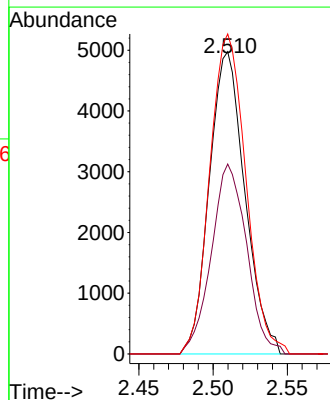
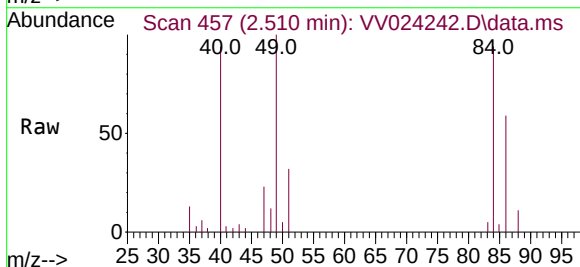
Tgt Ion: 84 Resp: 8296

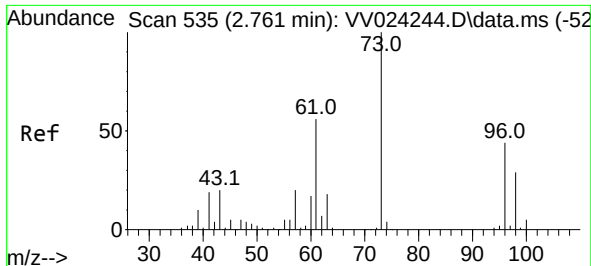
Ion Ratio Lower Upper

84 100

86 62.8 46.8 86.8

49 105.9 78.3 145.3

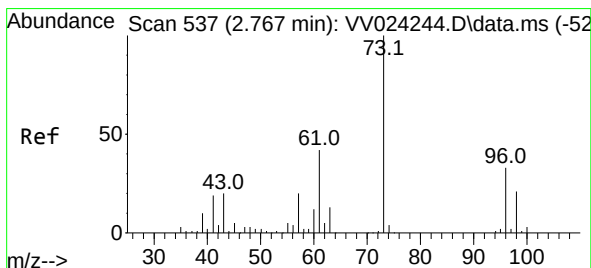
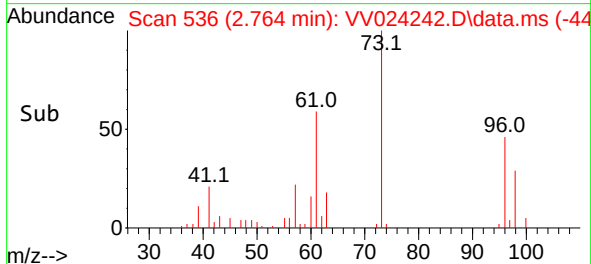
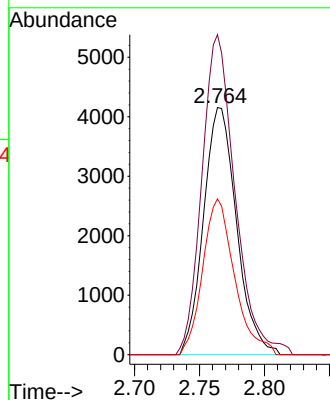
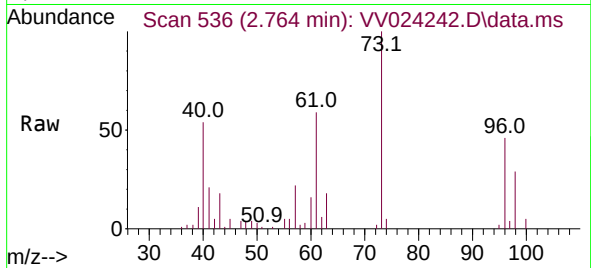




#17
trans-1,2-Dichloroethene
Concen: 4.921 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

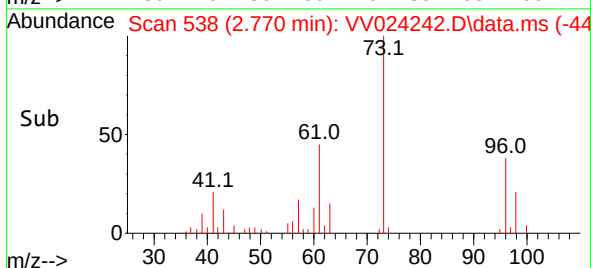
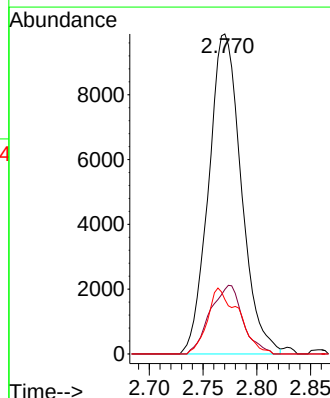
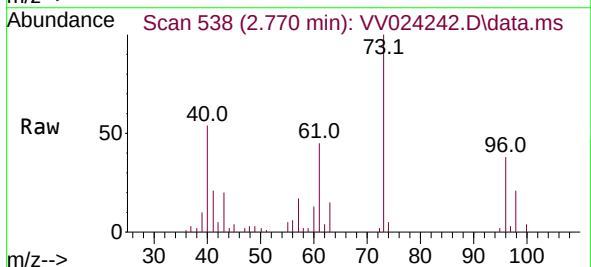
Instrument :
MSVOA_V
ClientSampleId :

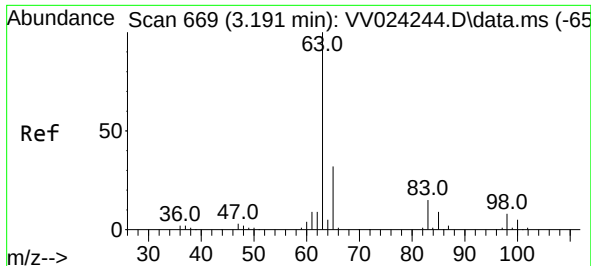
Tgt Ion: 96 Resp: 7347
Ion Ratio Lower Upper
96 100
61 129.5 88.1 163.7
98 63.1 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 4.526 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion: 73 Resp: 20823
Ion Ratio Lower Upper
73 100
43 21.5 16.2 24.2
57 13.7 15.9 23.9#





#19

1,1-Dichloroethane

Concen: 4.701 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

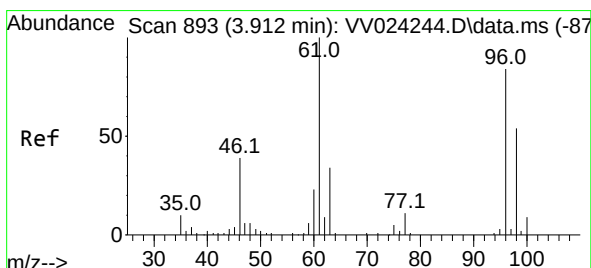
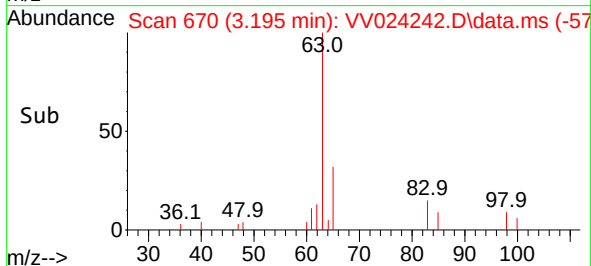
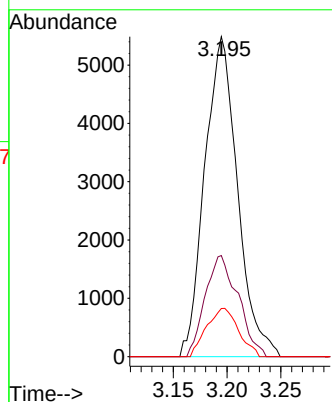
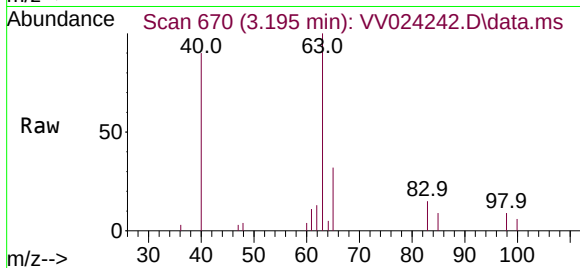
Tgt Ion: 63 Resp: 11641

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 15.1 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 4.600 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

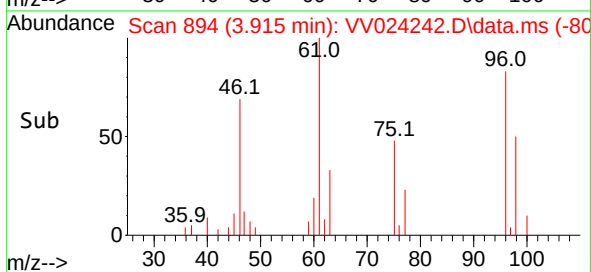
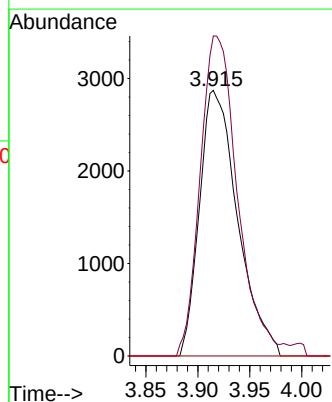
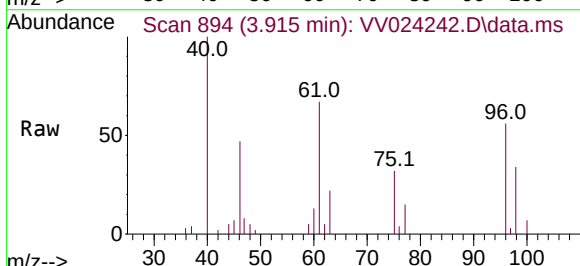
Tgt Ion: 96 Resp: 7335

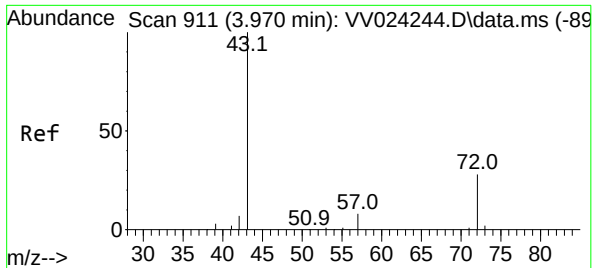
Ion Ratio Lower Upper

96 100

61 120.5 82.9 153.9

68 0.0 0.0 0.0

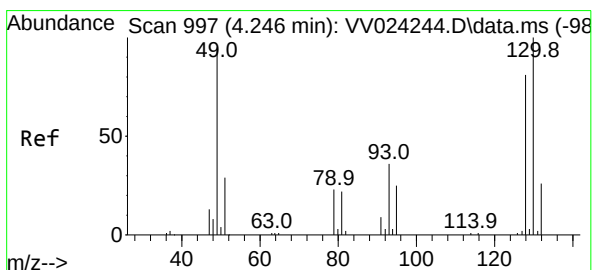
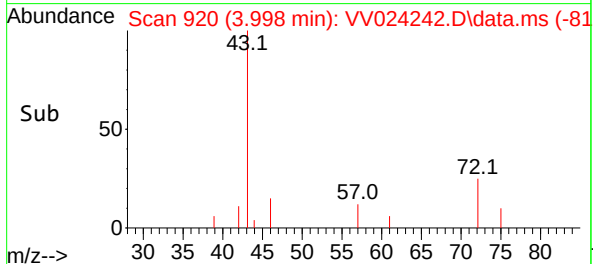
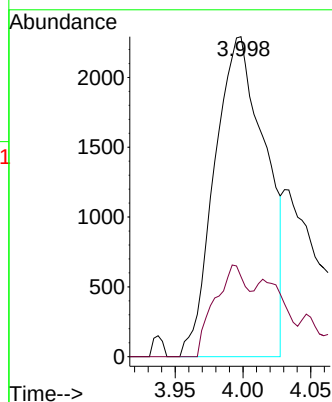
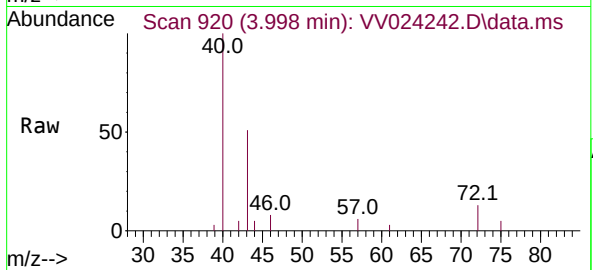




#22
2-Butanone
Concen: 5.976 ug/L
RT: 3.998 min Scan# 91
Delta R.T. 0.029 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

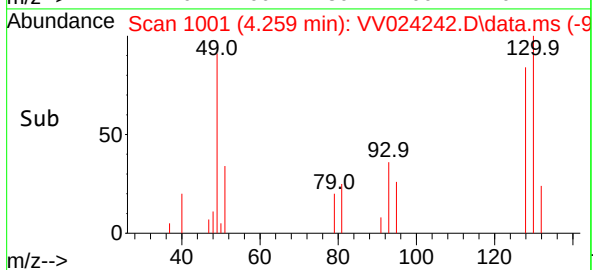
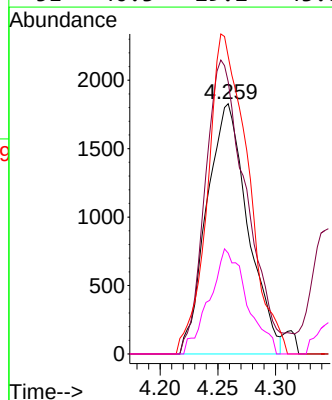
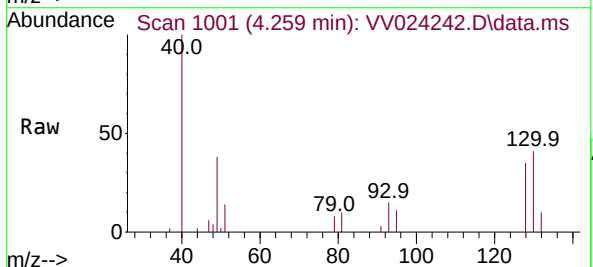
Instrument :
MSVOA_V
ClientSampleId :

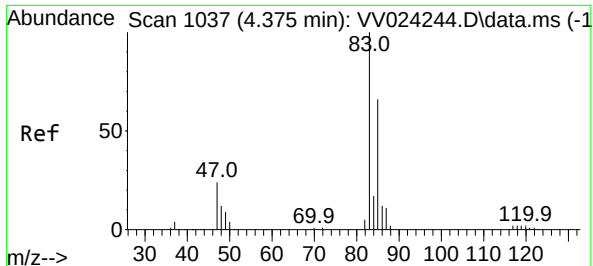
Tgt Ion: 43 Resp: 5973
Ion Ratio Lower Upper
43 100
72 18.0 14.9 44.9



#23
Bromochloromethane
Concen: 4.927 ug/L
RT: 4.259 min Scan# 1001
Delta R.T. 0.013 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion: 128 Resp: 4526
Ion Ratio Lower Upper
128 100
49 108.8 83.1 154.3
130 118.9 87.0 161.6
51 40.3 29.2 43.8





#25

Chloroform

Concen: 4.916 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

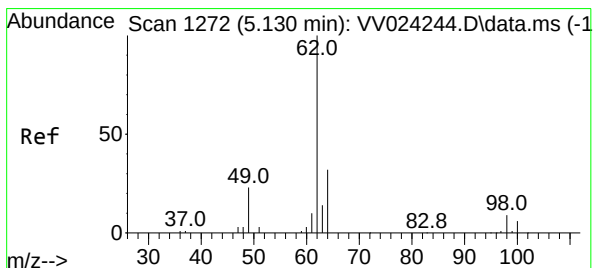
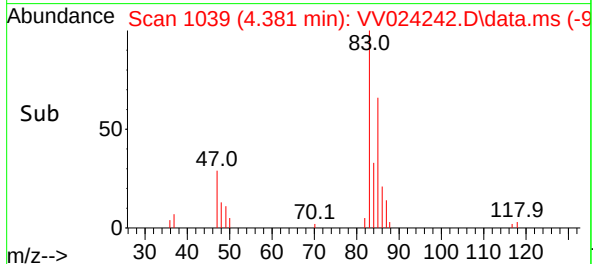
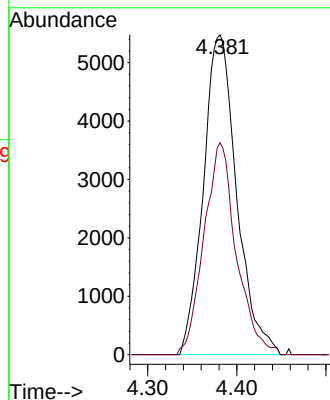
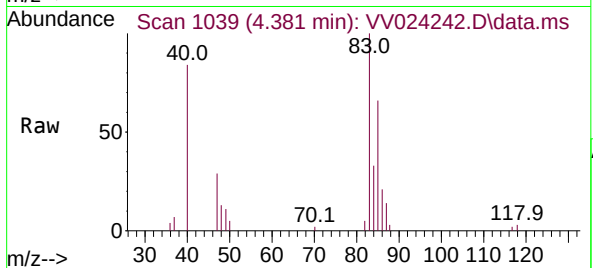
ClientSampleId :

Tgt Ion: 83 Resp: 14231

Ion Ratio Lower Upper

83 100

85 66.2 46.3 85.9



#27

1,2-Dichloroethane

Concen: 4.823 ug/L

RT: 5.137 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VV024242.D

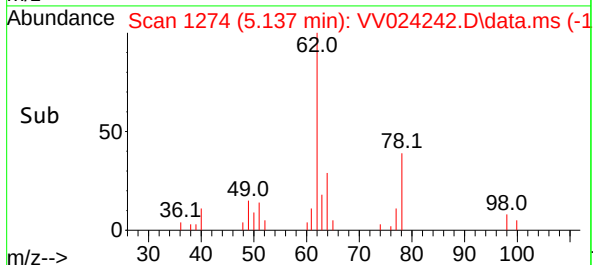
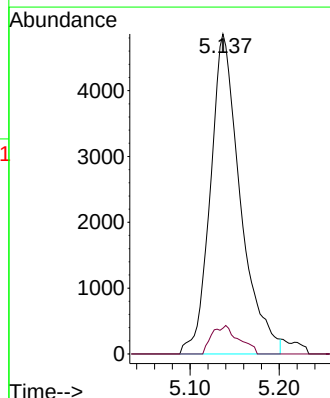
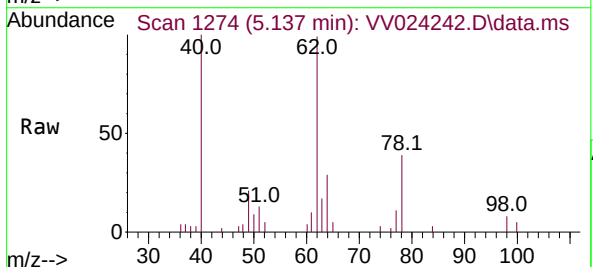
Acq: 30 Dec 2021 19:07

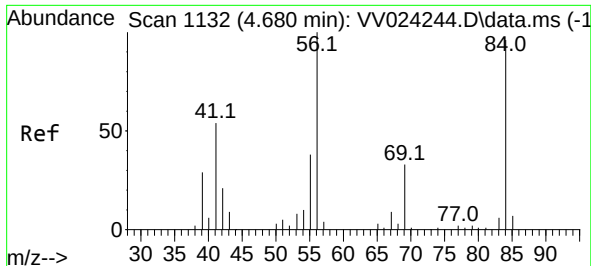
Tgt Ion: 62 Resp: 11356

Ion Ratio Lower Upper

62 100

98 8.0 7.1 10.7





#29

Cyclohexane

Concen: 4.227 ug/L

RT: 4.683 min Scan# 1133

Delta R.T. 0.003 min

Lab File: VV024242.D

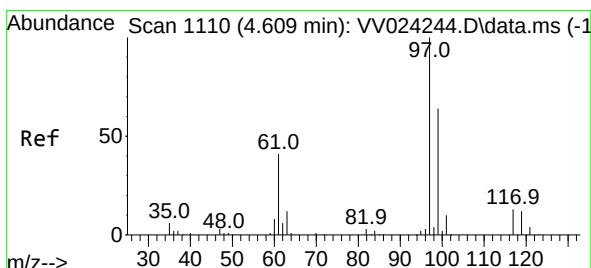
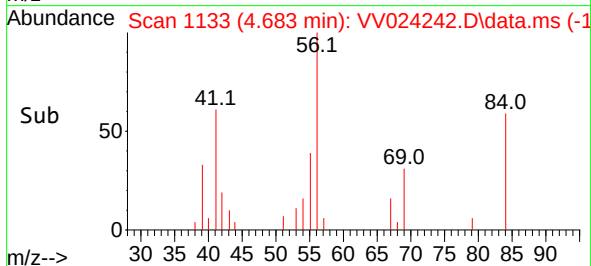
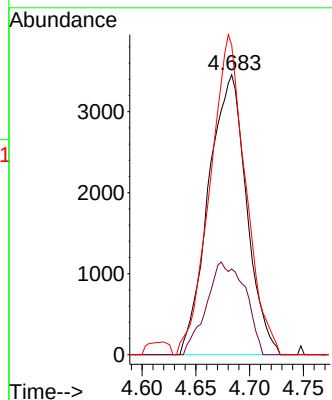
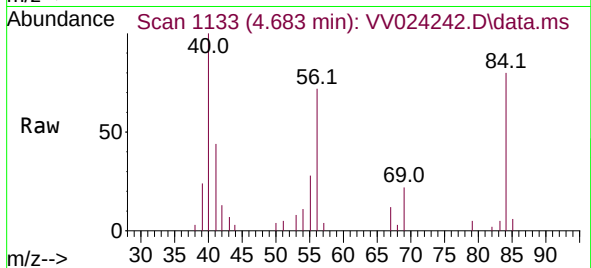
Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 56	Resp: 8490
Ion Ratio	Lower Upper
56	100
69	19.4 25.8 38.6#
84	106.7 79.1 118.7



#30

1,1,1-Trichloroethane

Concen: 4.766 ug/L

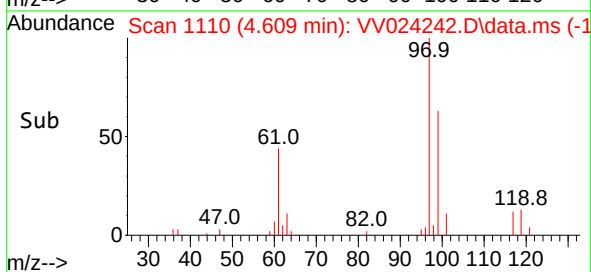
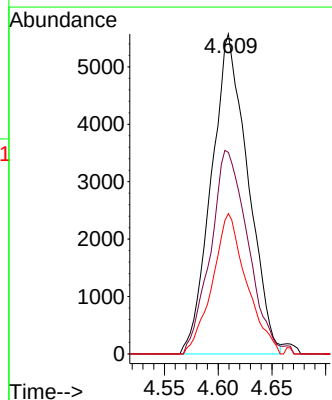
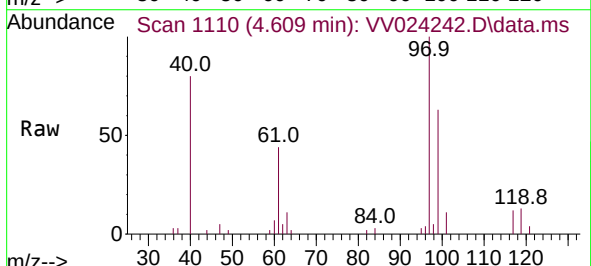
RT: 4.609 min Scan# 1110

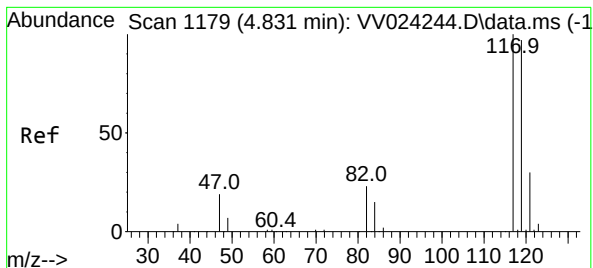
Delta R.T. -0.000 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Tgt Ion: 97	Resp: 13176
Ion Ratio	Lower Upper
97	100
99	64.9 51.2 76.8
61	41.1 33.2 49.8





#31

Carbon tetrachloride

Concen: 4.666 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

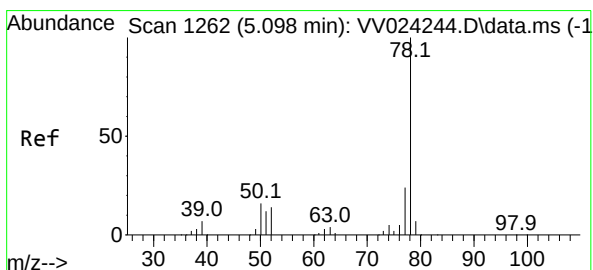
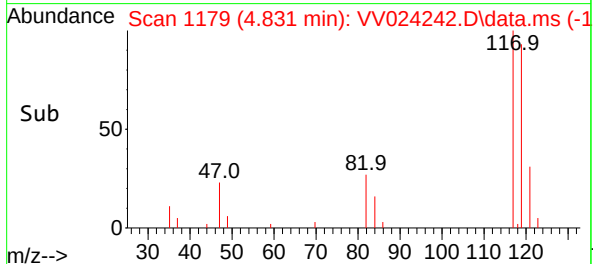
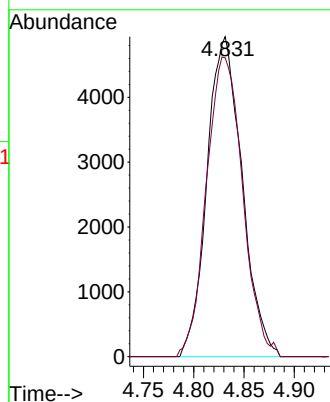
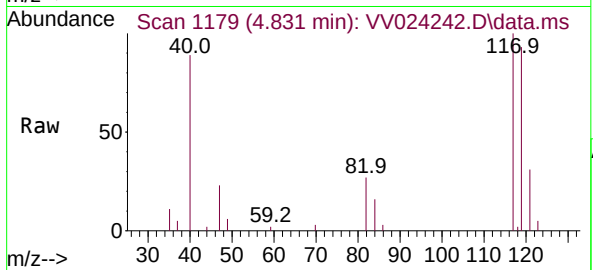
ClientSampleId :

Tgt Ion:117 Resp: 11968

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3



#33

Benzene

Concen: 4.433 ug/L

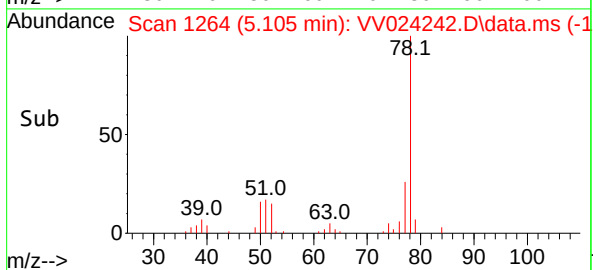
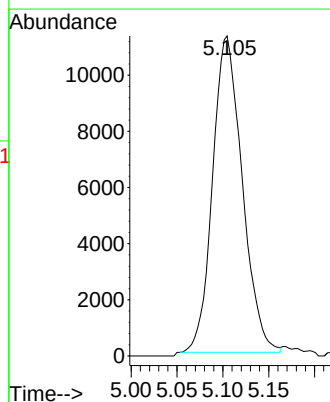
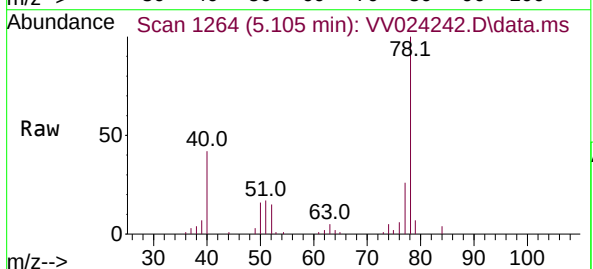
RT: 5.105 min Scan# 1264

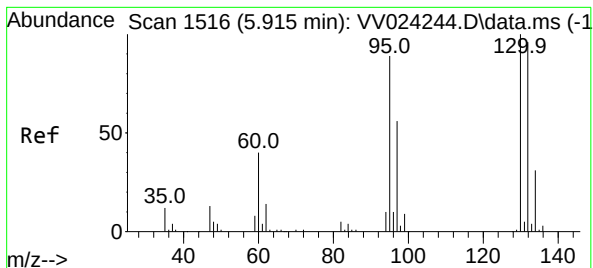
Delta R.T. 0.006 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Tgt Ion: 78 Resp: 25326





#34

Trichloroethene

Concen: 4.813 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 7583

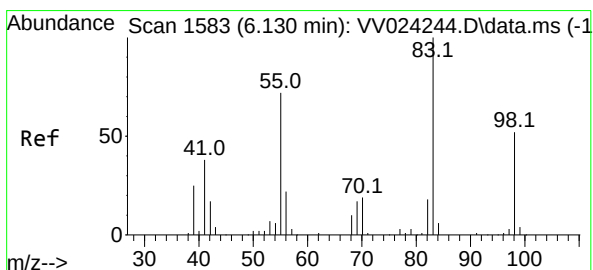
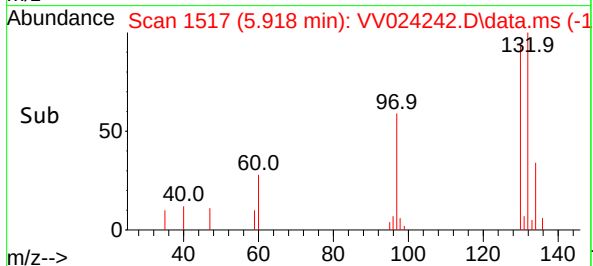
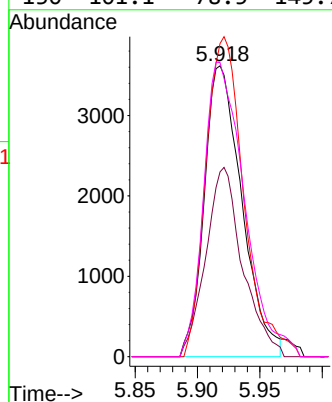
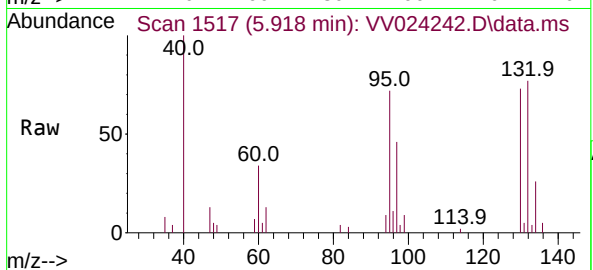
Ion Ratio Lower Upper

95 100

97 63.5 44.1 81.9

132 107.7 75.1 139.5

130 101.1 78.5 145.7



#35

Methylcyclohexane

Concen: 4.209 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

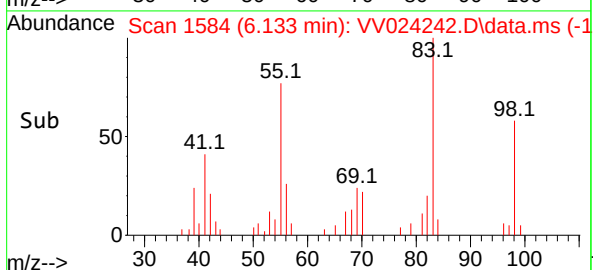
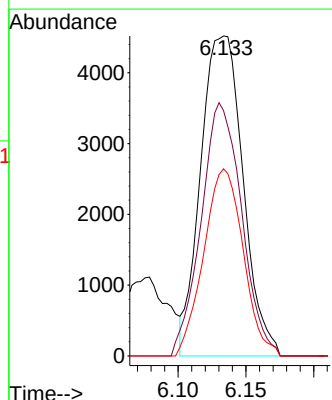
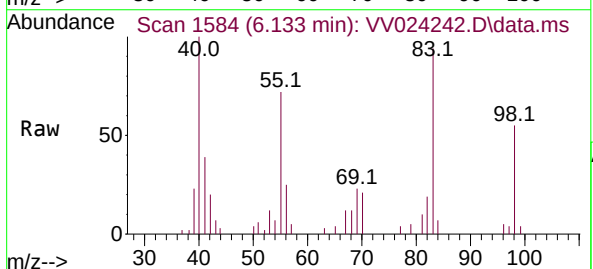
Tgt Ion: 83 Resp: 9835

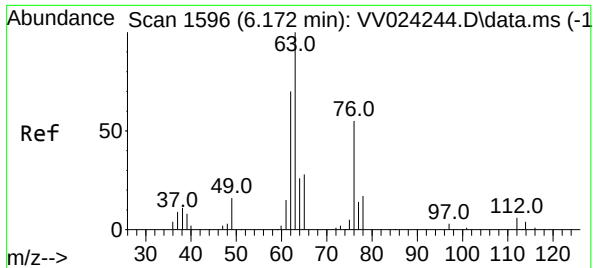
Ion Ratio Lower Upper

83 100

55 75.6 55.6 83.4

98 54.4 41.3 61.9





#37

1,2-Dichloropropane

Concen: 4.471 ug/L

RT: 6.178 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

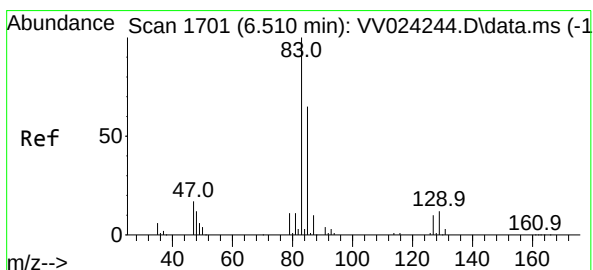
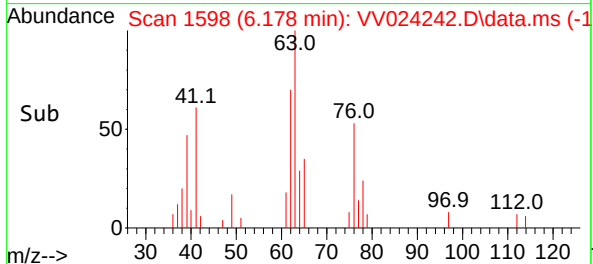
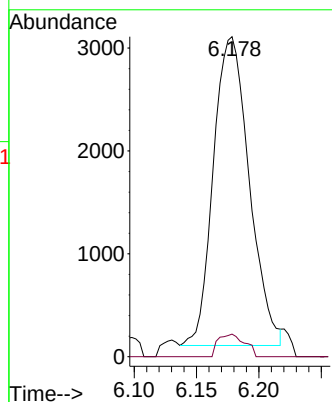
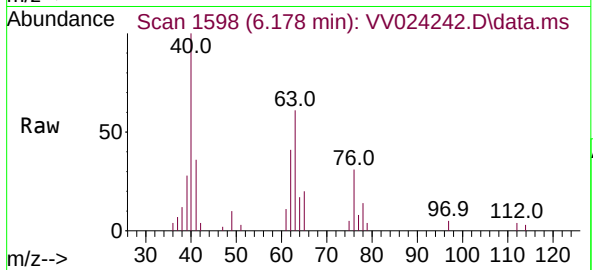
ClientSampleId :

Tgt Ion: 63 Resp: 6008

Ion Ratio Lower Upper

63 100

112 5.4 4.7 7.1



#38

Bromodichloromethane

Concen: 4.503 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

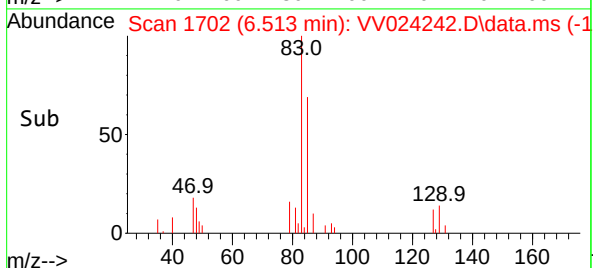
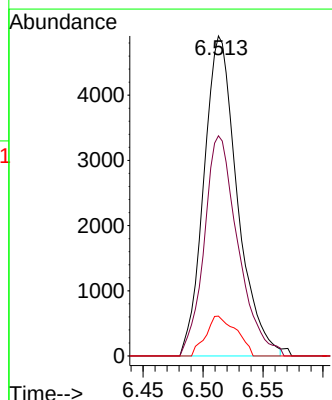
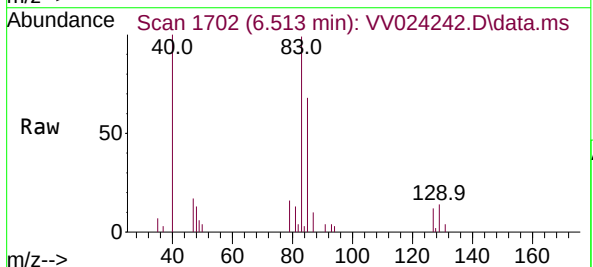
Tgt Ion: 83 Resp: 9496

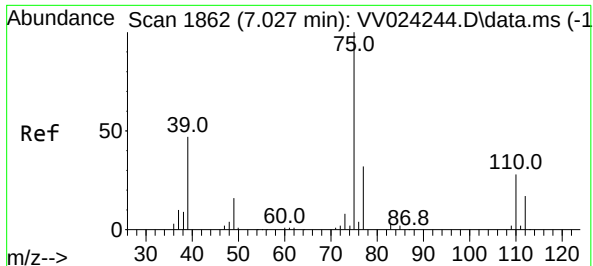
Ion Ratio Lower Upper

83 100

85 68.8 45.2 84.0

127 14.7 7.8 11.8#





#39

cis-1,3-Dichloropropene

Concen: 4.322 ug/L

RT: 7.034 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

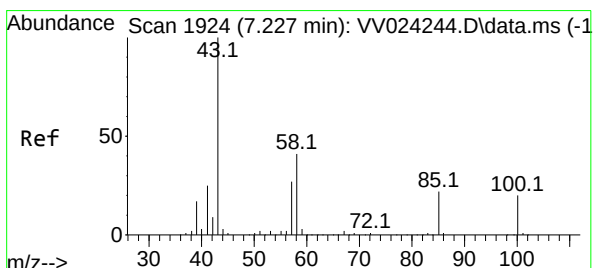
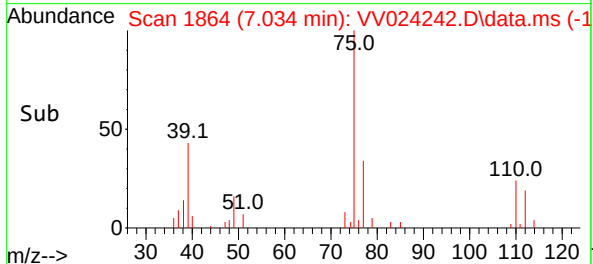
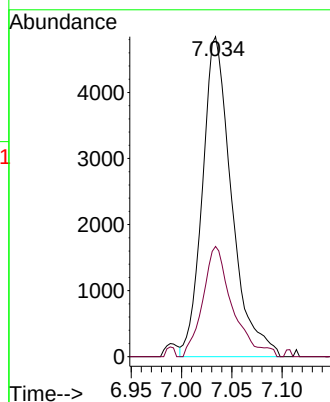
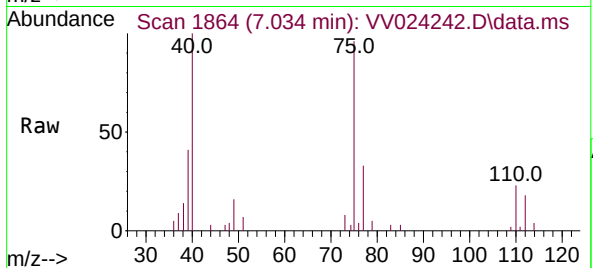
ClientSampleId :

Tgt Ion: 75 Resp: 9762

Ion Ratio Lower Upper

75 100

77 34.4 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 8.762 ug/L

RT: 7.233 min Scan# 1926

Delta R.T. 0.006 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

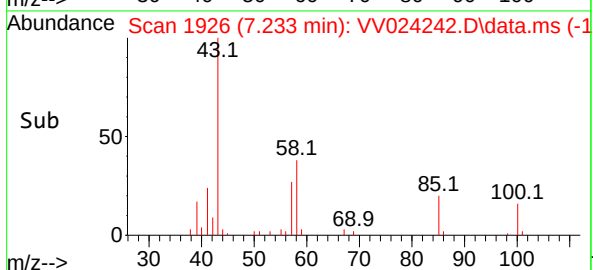
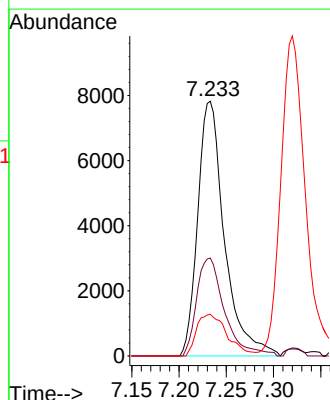
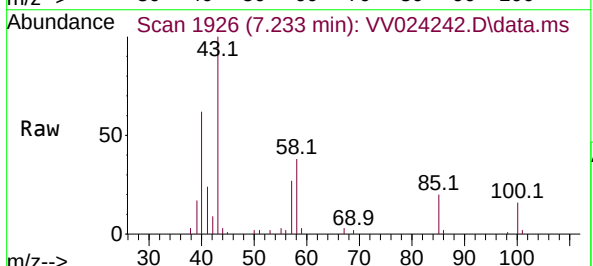
Tgt Ion: 43 Resp: 15354

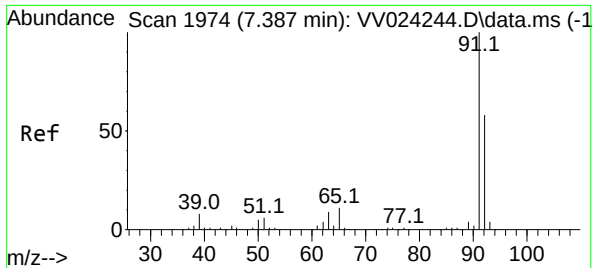
Ion Ratio Lower Upper

43 100

58 39.9 33.0 49.4

100 18.8 16.0 24.0





#42

Toluene

Concen: 4.429 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

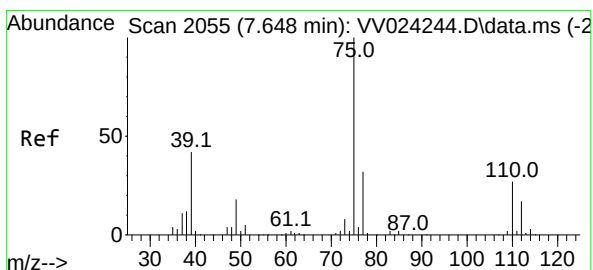
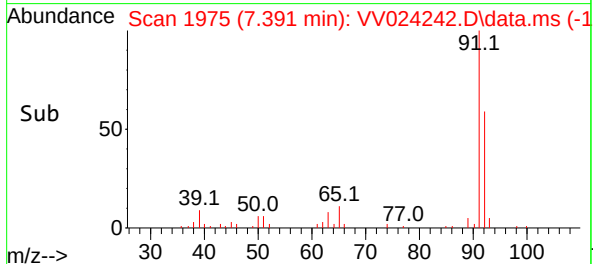
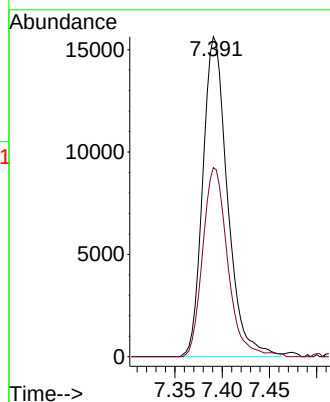
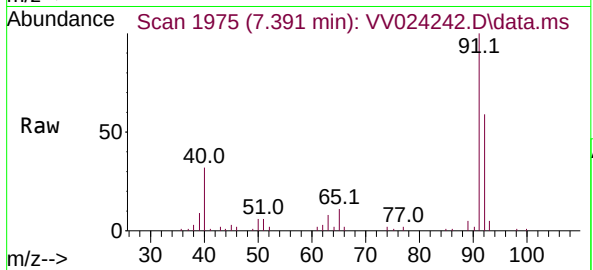
ClientSampleId :

Tgt Ion: 91 Resp: 28401

Ion Ratio Lower Upper

91 100

92 59.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.005 ug/L

RT: 7.657 min Scan# 2058

Delta R.T. 0.010 min

Lab File: VV024242.D

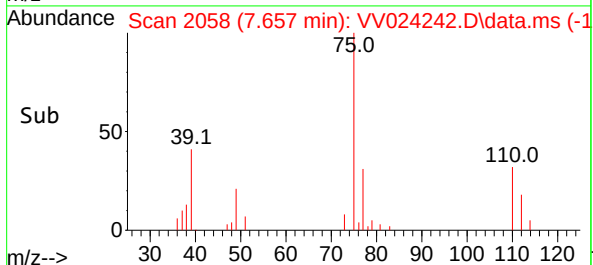
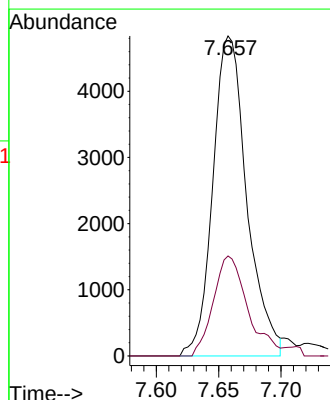
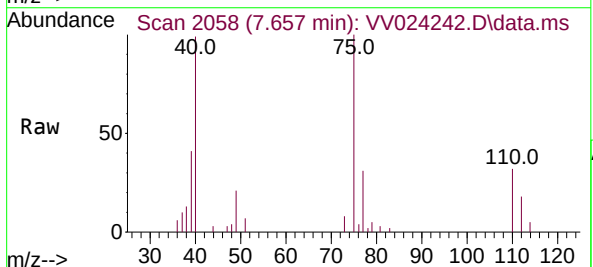
Acq: 30 Dec 2021 19:07

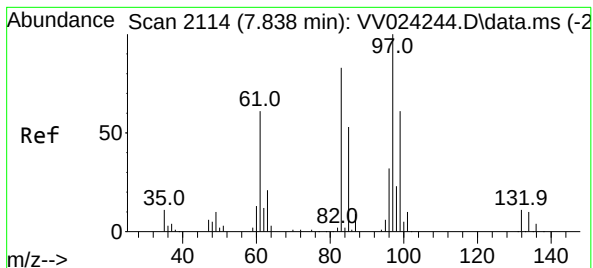
Tgt Ion: 75 Resp: 9177

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 4.735 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. 0.006 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 7133

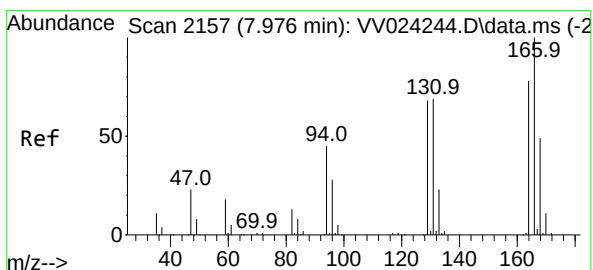
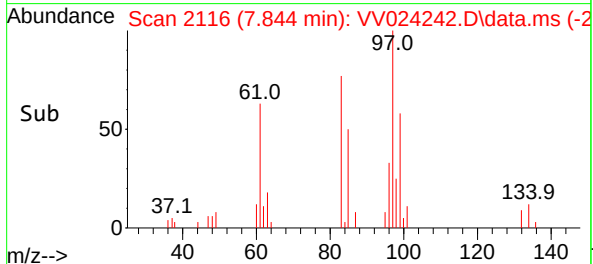
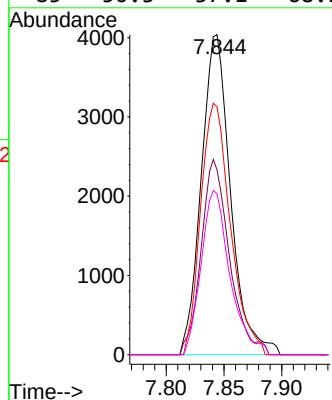
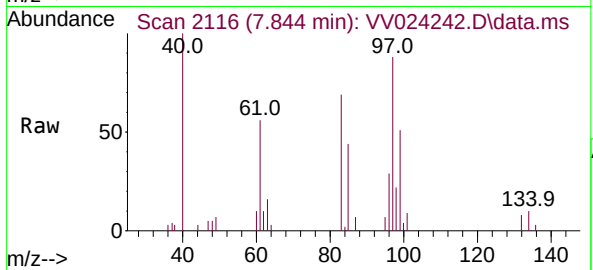
Ion Ratio Lower Upper

97 100

99 57.8 42.4 78.8

83 77.5 57.9 107.5

85 50.3 37.1 68.9



#46

Tetrachloroethene

Concen: 4.708 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Tgt Ion: 164 Resp: 6751

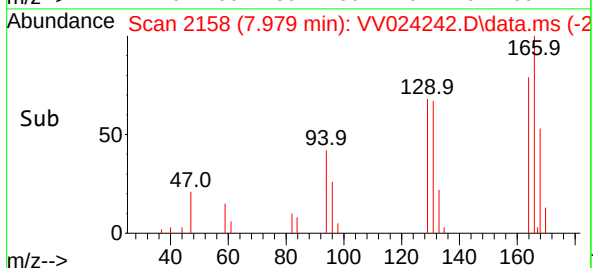
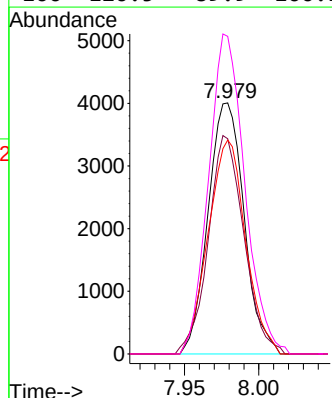
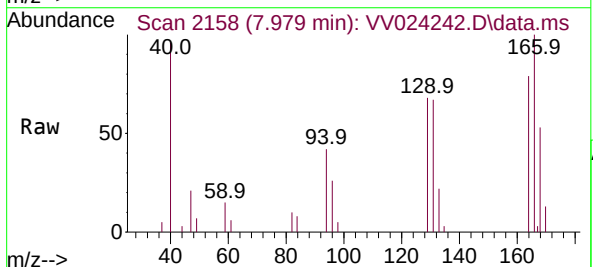
Ion Ratio Lower Upper

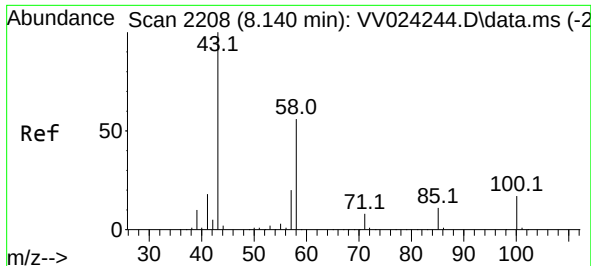
164 100

129 85.7 61.5 114.1

131 85.2 62.2 115.4

166 126.5 89.9 166.9



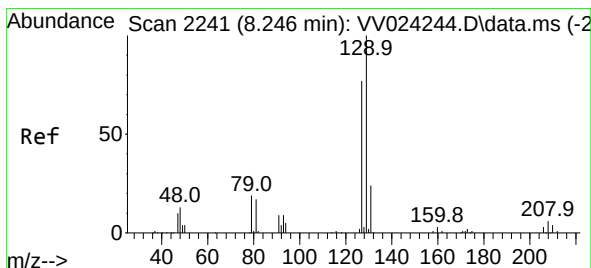
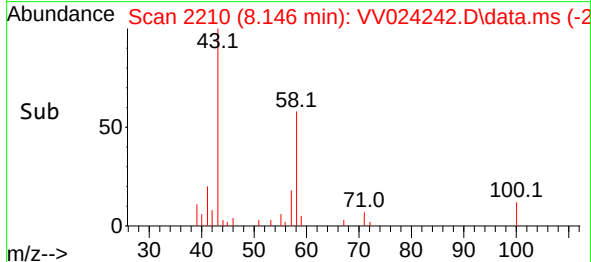
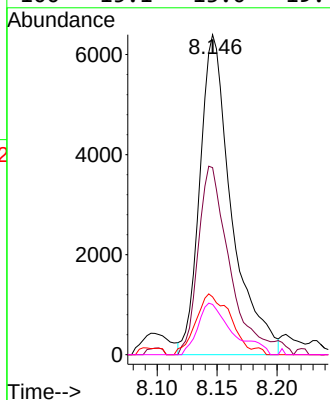
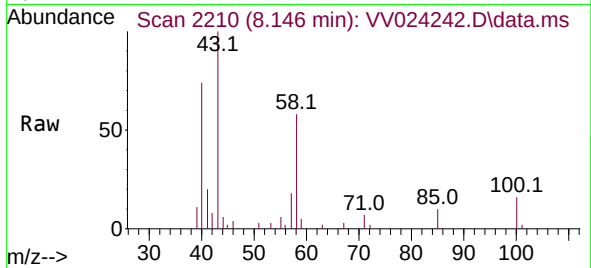


#48
2-Hexanone
Concen: 8.368 ug/L
RT: 8.146 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 11777

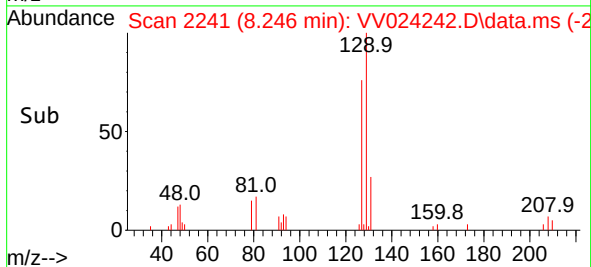
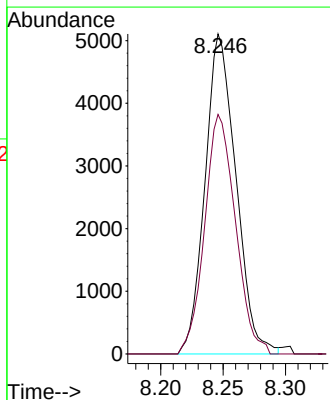
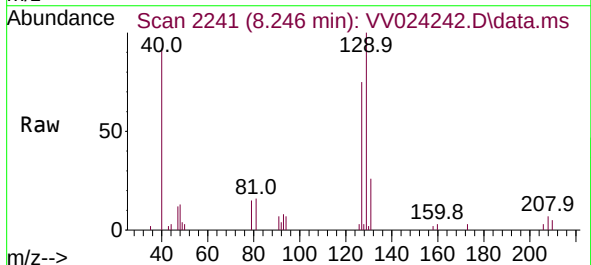
Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.0	67.4
57	20.6	16.9	25.3
100	15.1	13.0	19.4

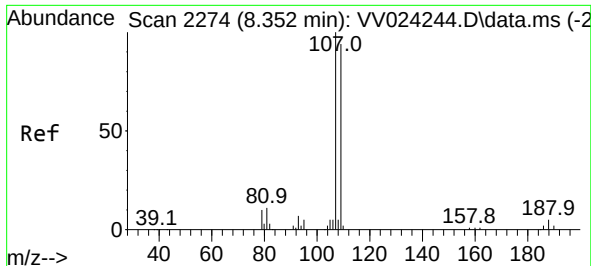


#49
Dibromochloromethane
Concen: 4.670 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion: 129 Resp: 8818

Ion	Ratio	Lower	Upper
129	100		
127	74.8	53.7	99.7





#50

1,2-Dibromoethane

Concen: 4.618 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024242.D

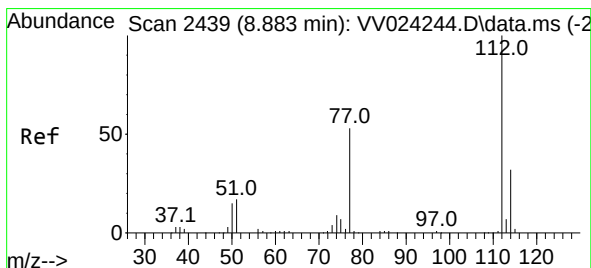
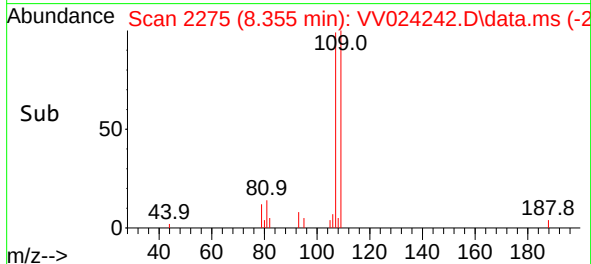
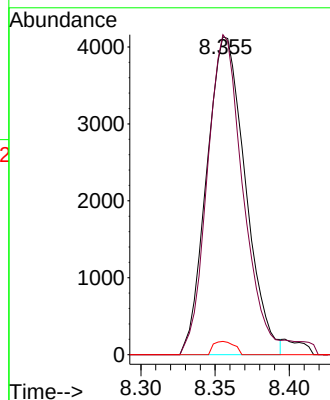
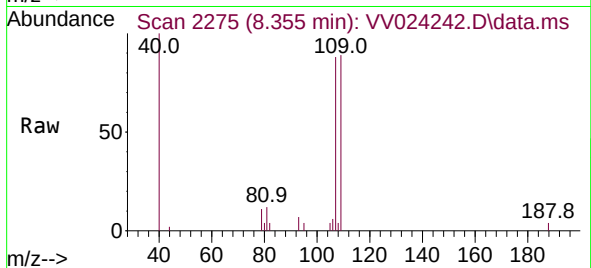
Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	7472
Ion	Ratio	Lower Upper
107	100	
109	100.7	65.8 122.2
188	4.2	3.8 5.6



#51

Chlorobenzene

Concen: 4.652 ug/L

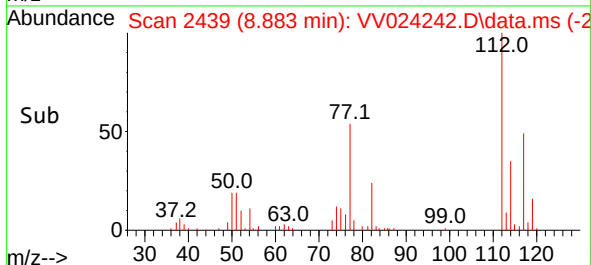
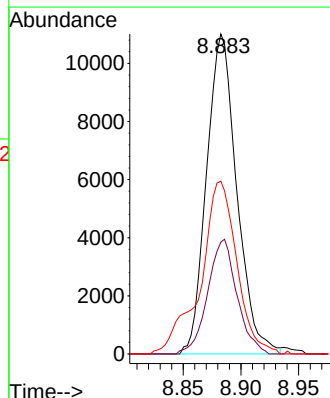
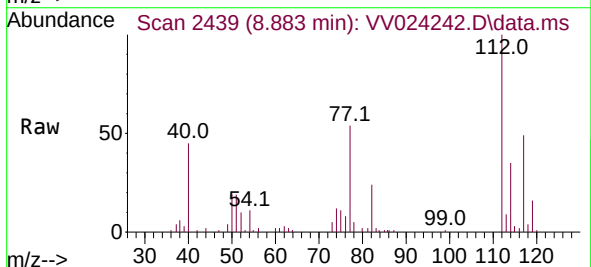
RT: 8.883 min Scan# 2439

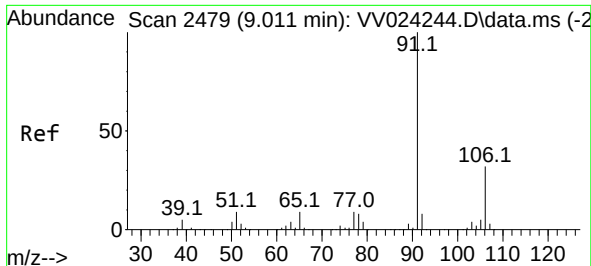
Delta R.T. -0.000 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Tgt Ion:112	Resp:	20092
Ion	Ratio	Lower Upper
112	100	
114	35.0	22.3 41.5
77	54.0	42.8 64.2





#52

Ethylbenzene

Concen: 4.344 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

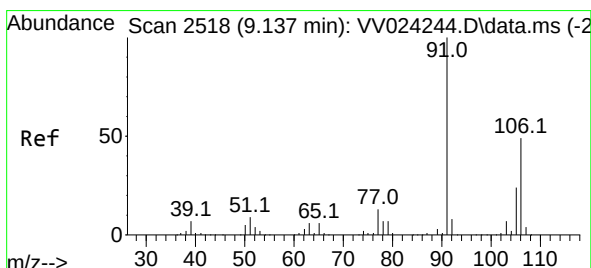
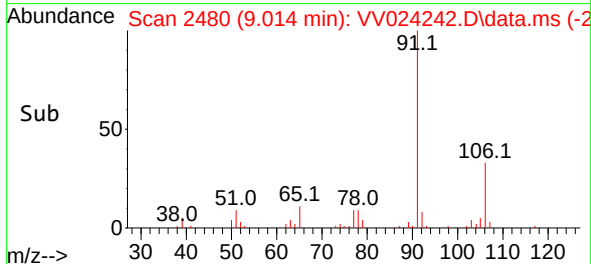
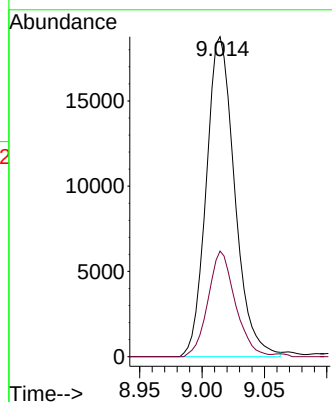
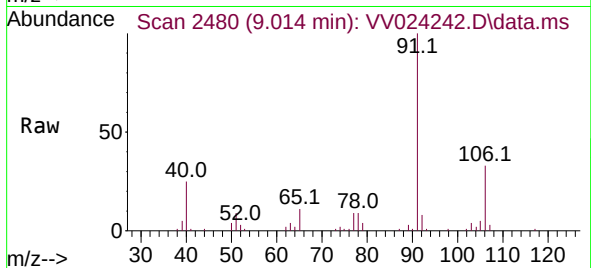
ClientSampleId :

Tgt Ion: 91 Resp: 29758

Ion Ratio Lower Upper

91 100

106 33.0 22.0 41.0



#53

m,p-Xylene

Concen: 4.317 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV024242.D

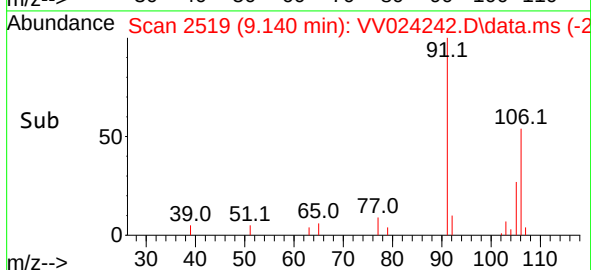
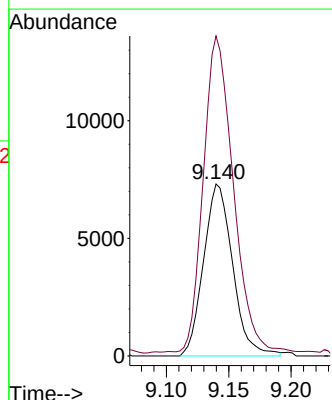
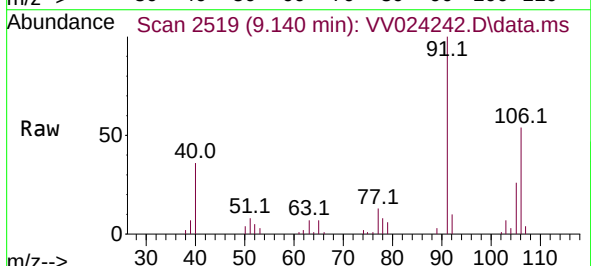
Acq: 30 Dec 2021 19:07

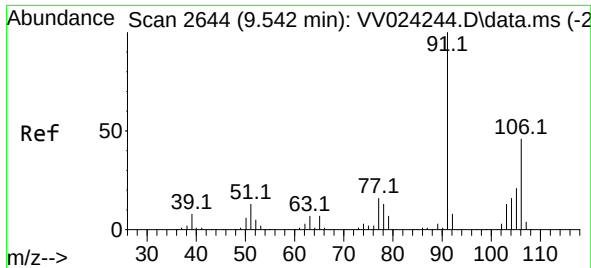
Tgt Ion: 106 Resp: 11856

Ion Ratio Lower Upper

106 100

91 186.1 141.8 263.4

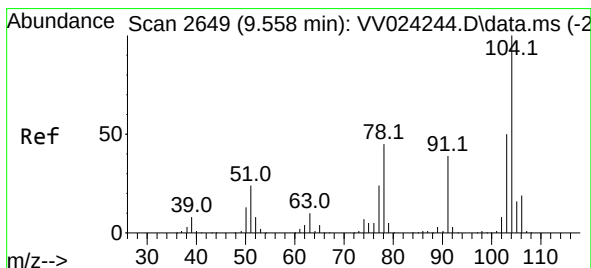
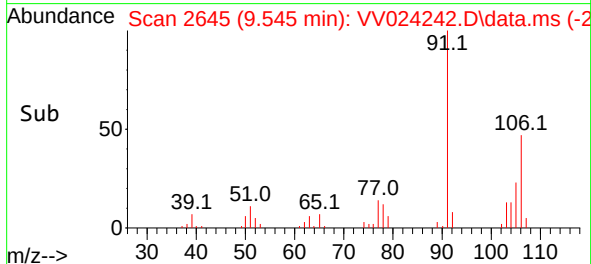
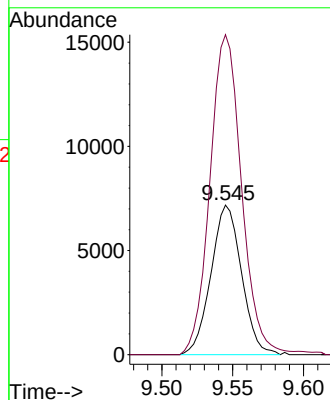
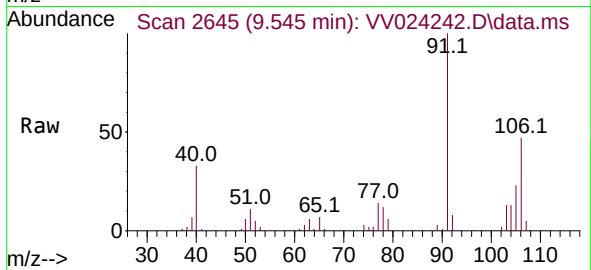




#54
o-Xylene
Concen: 4.118 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

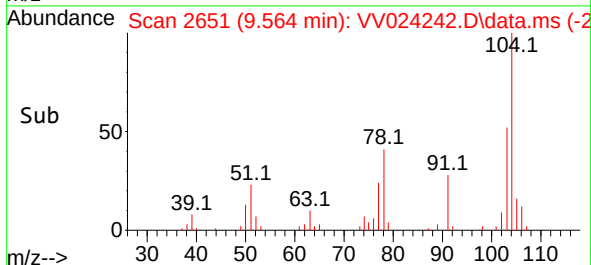
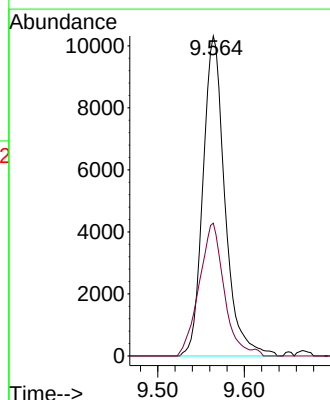
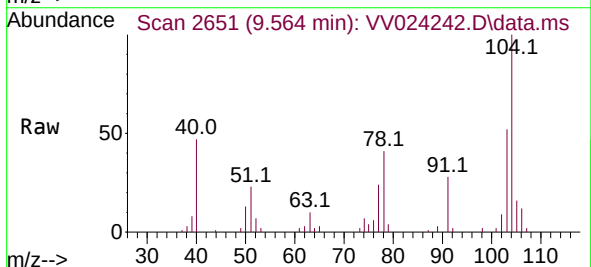
Instrument :
MSVOA_V
ClientSampleId :

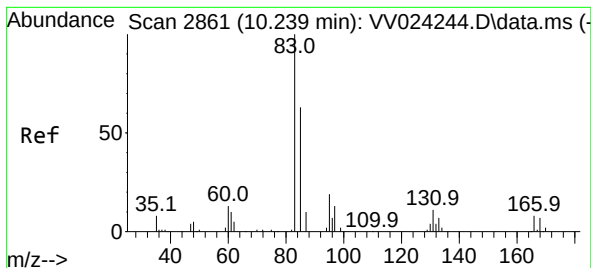
Tgt Ion:106 Resp: 10795
Ion Ratio Lower Upper
106 100
91 213.9 150.9 280.3



#55
Styrene
Concen: 3.982 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.006 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion:104 Resp: 18128
Ion Ratio Lower Upper
104 100
78 41.5 31.5 58.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.570 ug/L

RT: 10.243 min Scan# 2862

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

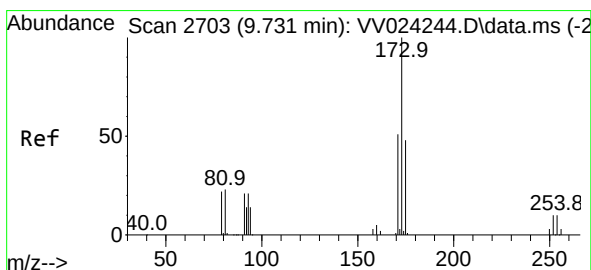
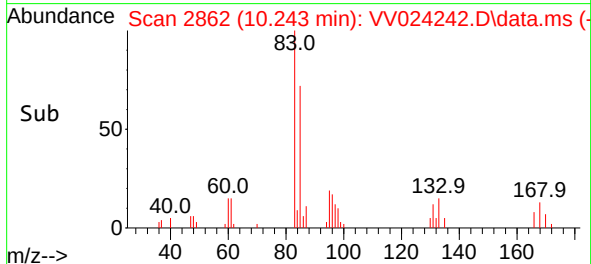
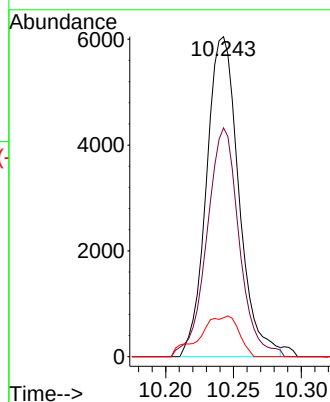
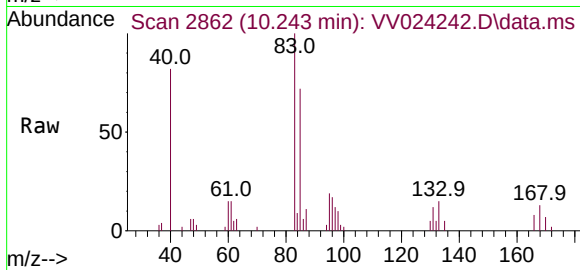
Tgt Ion: 83 Resp: 10052

Ion Ratio Lower Upper

83 100

85 71.5 44.5 82.7

131 12.2 9.2 13.8



#59

Bromoform

Concen: 4.855 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. -0.000 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

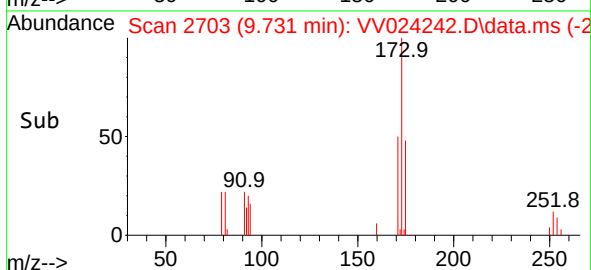
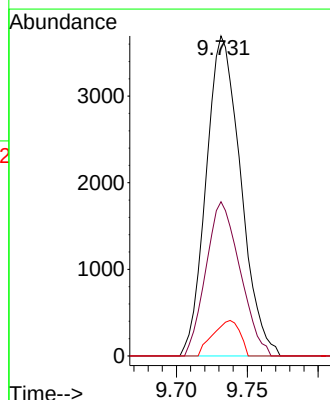
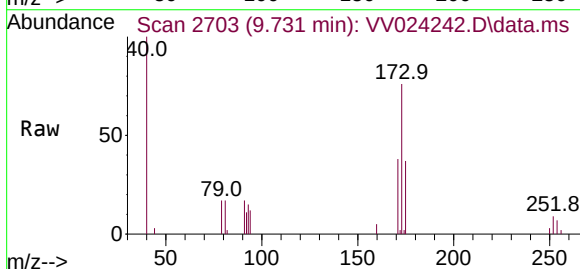
Tgt Ion: 173 Resp: 6271

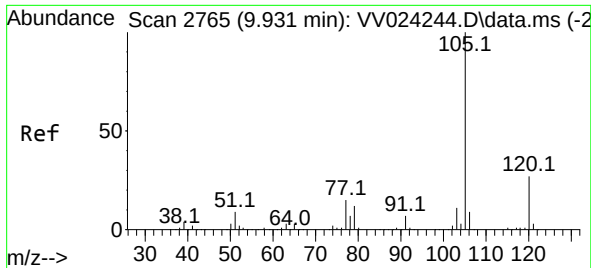
Ion Ratio Lower Upper

173 100

175 47.6 39.4 59.2

254 8.7 7.8 11.6

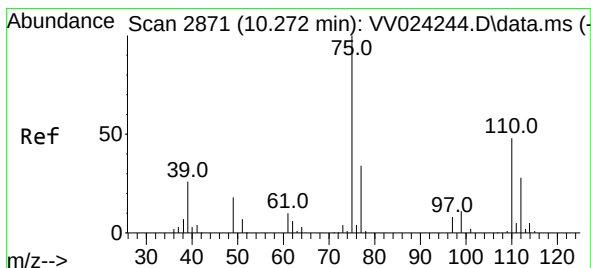
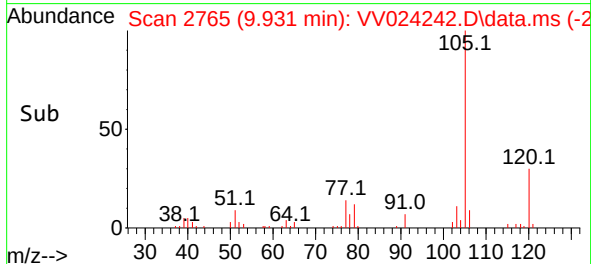
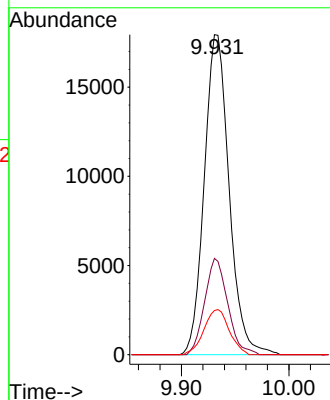
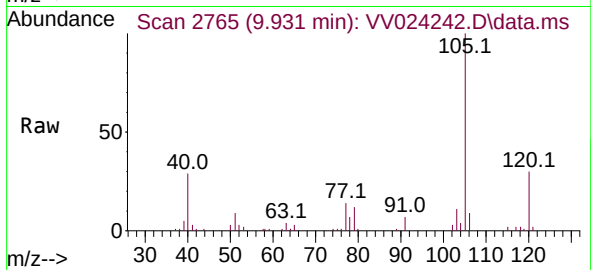




#60
Isopropylbenzene
Concen: 4.593 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

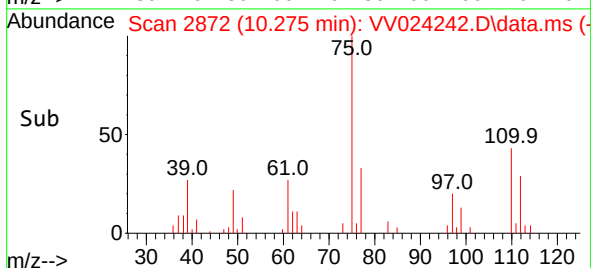
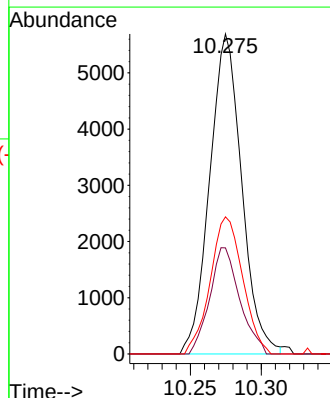
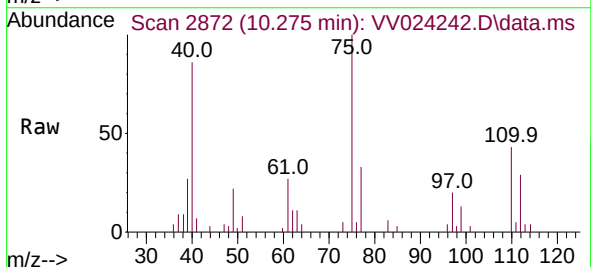
Instrument :
MSVOA_V
ClientSampleId :

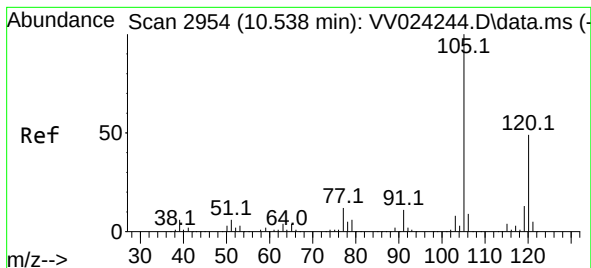
Tgt Ion:105 Resp: 28794
Ion Ratio Lower Upper
105 100
120 27.9 21.9 32.9
77 14.4 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 5.377 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion: 75 Resp: 8944
Ion Ratio Lower Upper
75 100
77 31.1 26.9 40.3
110 43.4 37.1 55.7





#62

1,3,5-Trimethylbenzene

Concen: 4.429 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

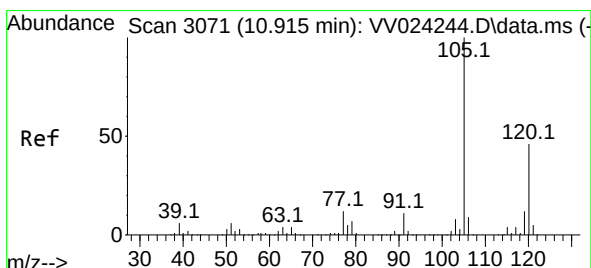
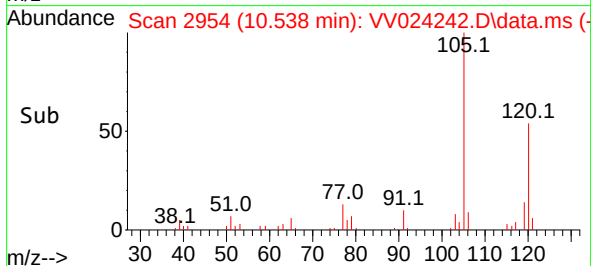
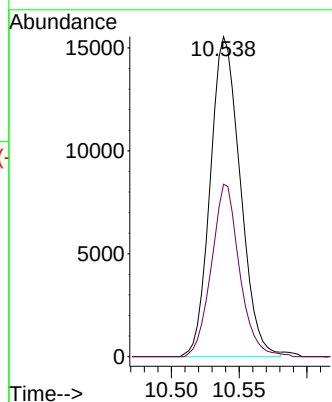
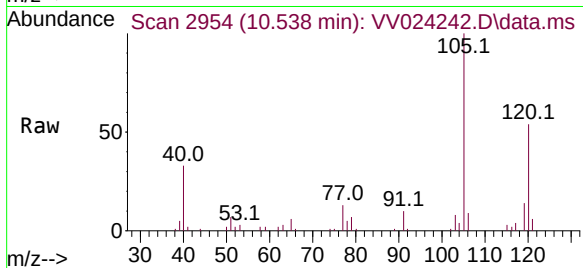
ClientSampleId :

Tgt Ion:105 Resp: 23881

Ion Ratio Lower Upper

105 100

120 50.6 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 4.346 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV024242.D

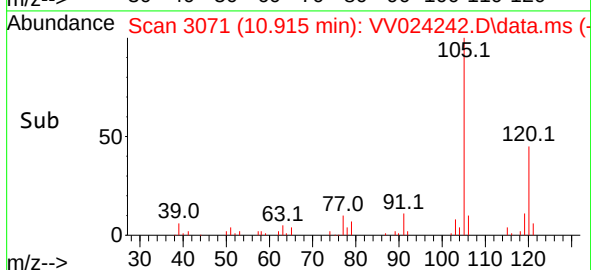
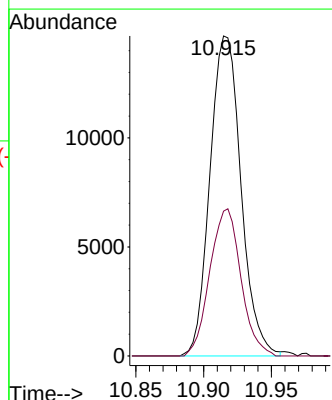
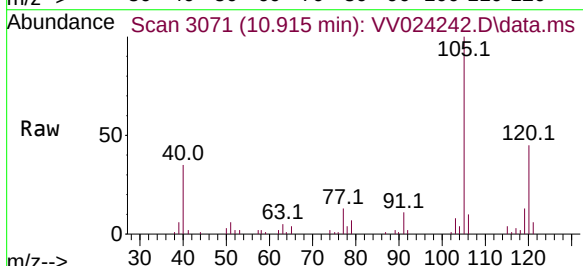
Acq: 30 Dec 2021 19:07

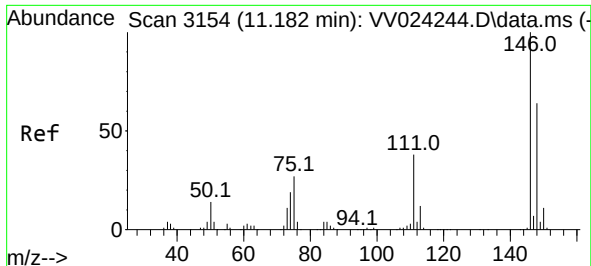
Tgt Ion:105 Resp: 23396

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0

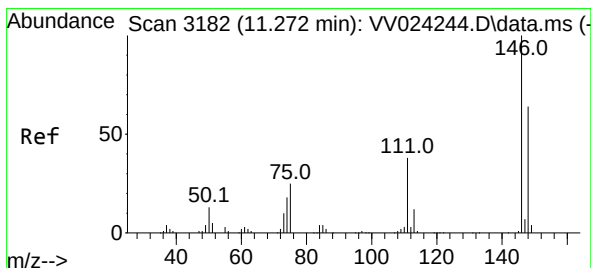
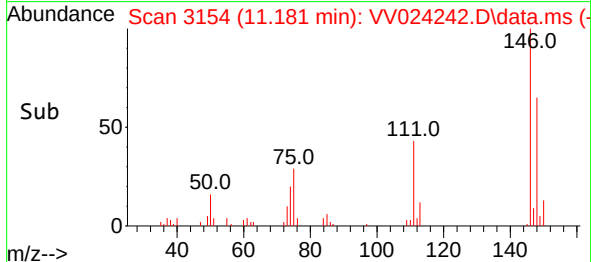
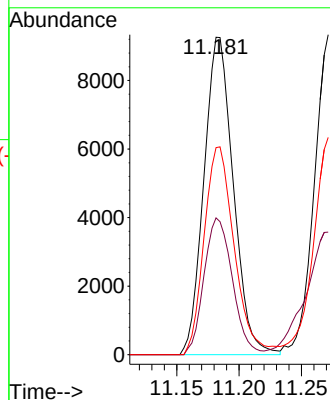
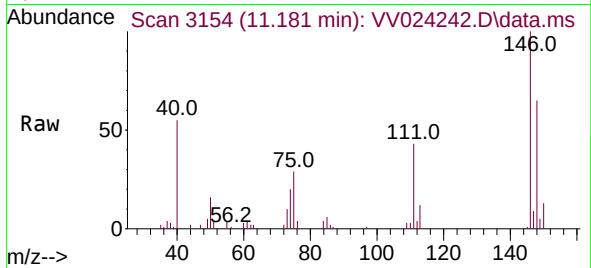




#64
1,3-Dichlorobenzene
Concen: 4.700 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

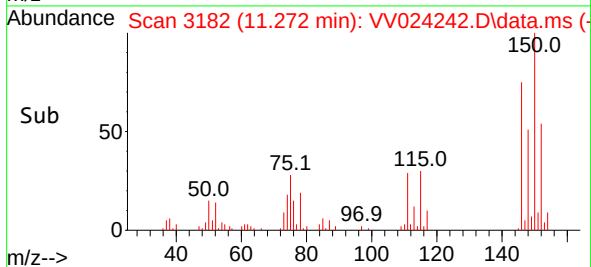
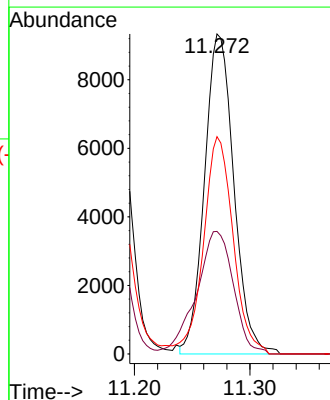
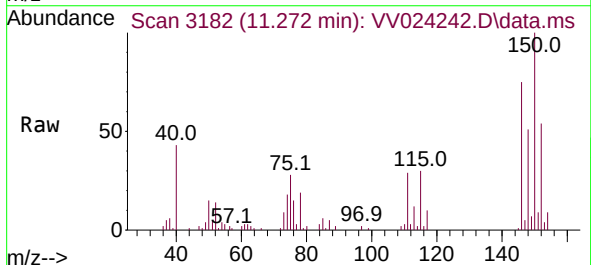
Instrument :
MSVOA_V
ClientSampleId :

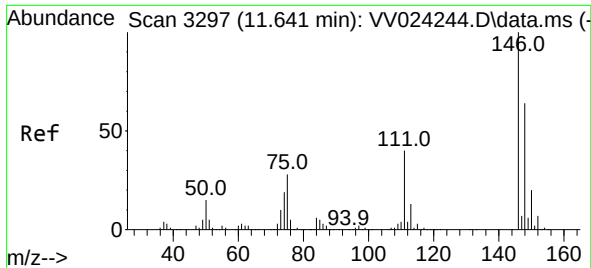
Tgt Ion:146 Resp: 15192
Ion Ratio Lower Upper
146 100
111 43.1 26.5 49.3
148 65.2 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 4.946 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

Tgt Ion:146 Resp: 16487
Ion Ratio Lower Upper
146 100
111 38.3 26.5 49.3
148 67.9 44.9 83.5

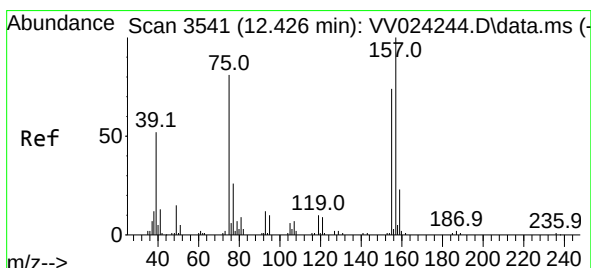
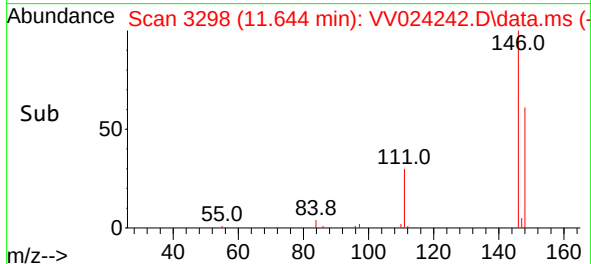
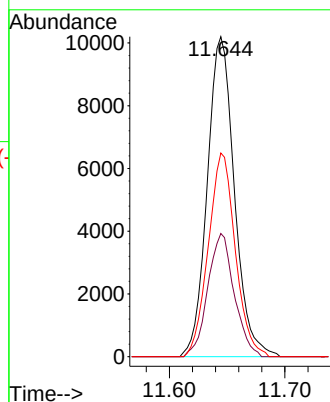
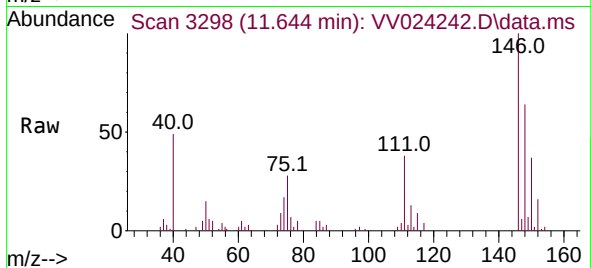




#67
1,2-Dichlorobenzene
Concen: 5.008 ug/L
RT: 11.644 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

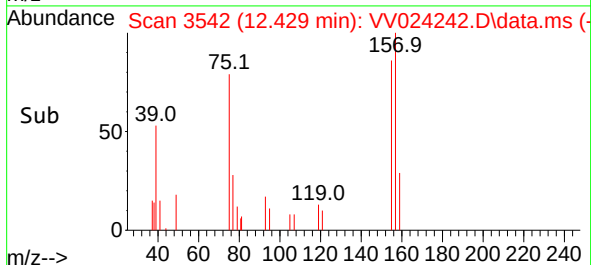
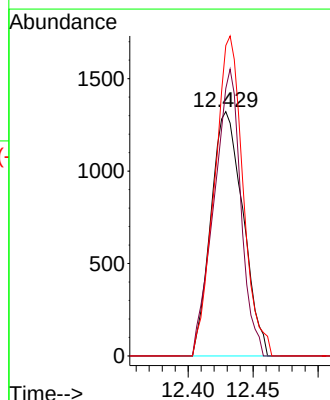
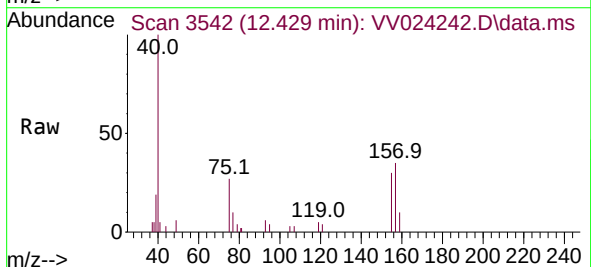
Instrument :
MSVOA_V
ClientSampleId :

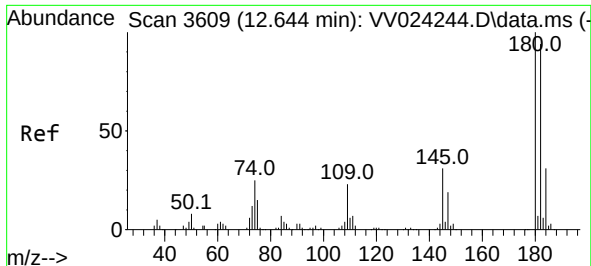
Tgt Ion:146 Resp: 16681
Ion Ratio Lower Upper
146 100
111 38.5 32.0 48.0
148 63.6 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.736 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV024242.D
Acq: 30 Dec 2021 19:07

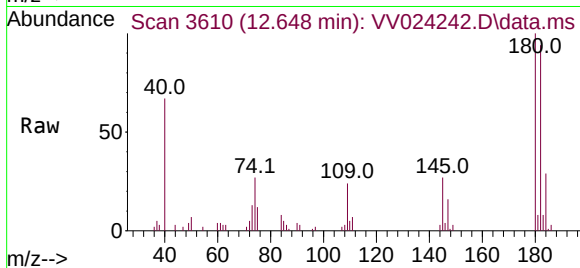
Tgt Ion: 75 Resp: 2269
Ion Ratio Lower Upper
75 100
155 109.5 73.2 109.8
157 127.0 98.5 147.7



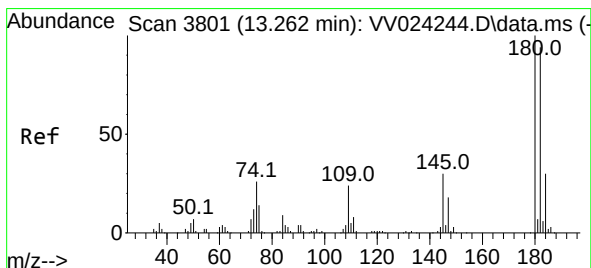
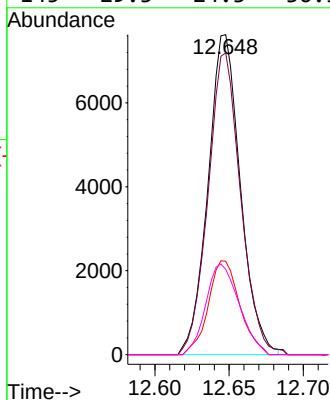
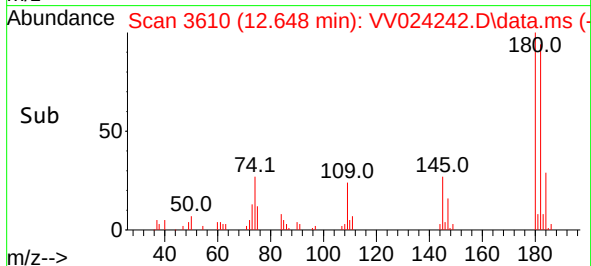


#69
 1,3,5-Trichlorobenzene
 Concen: 4.653 ug/L
 RT: 12.648 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07

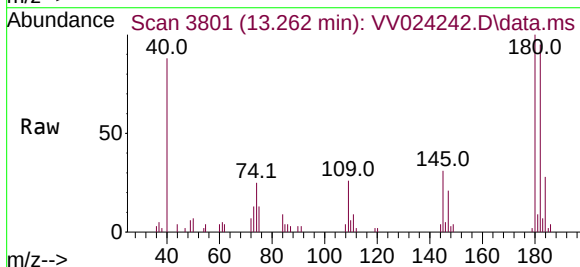
Instrument :
 MSVOA_V
 ClientSampleId :



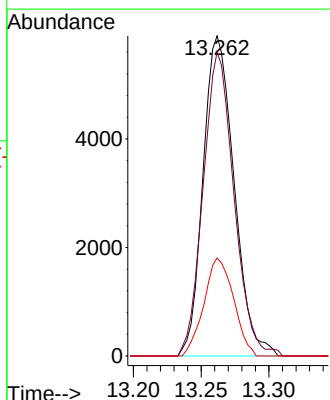
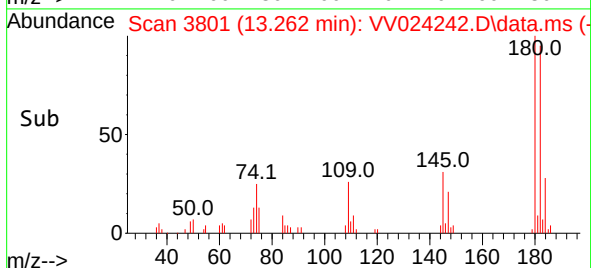
Tgt Ion:180	Resp:	11567
Ion	Ratio	Lower Upper
180	100	
182	94.6	75.4 113.2
184	28.6	24.7 37.1
145	29.3	24.3 36.5

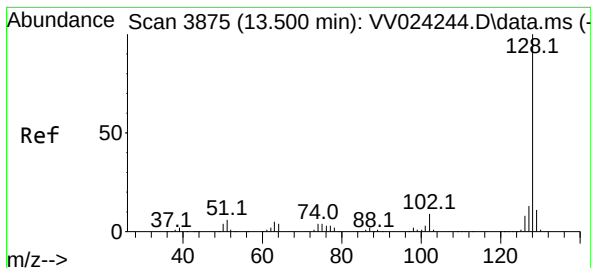


#70
 1,2,4-trichlorobenzene
 Concen: 4.411 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV024242.D
 Acq: 30 Dec 2021 19:07



Tgt Ion:180	Resp:	9379
Ion	Ratio	Lower Upper
180	100	
182	94.0	75.6 113.4
145	29.2	23.9 35.9





#71

Naphthalene

Concen: 4.156 ug/L

RT: 13.503 min Scan# 3875

Delta R.T. 0.003 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

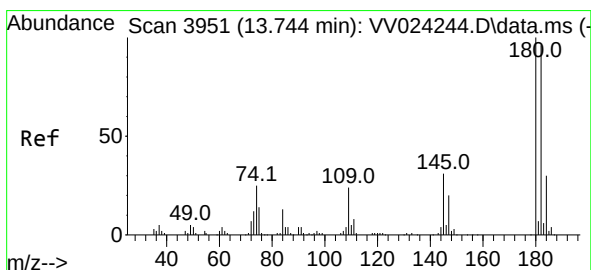
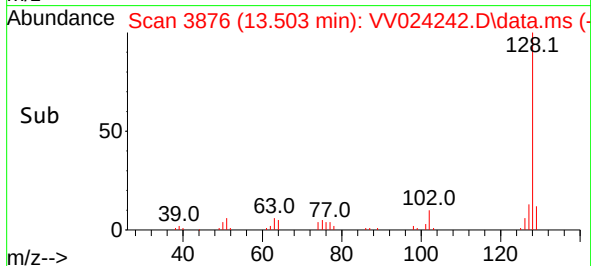
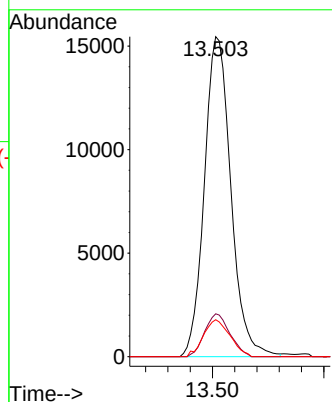
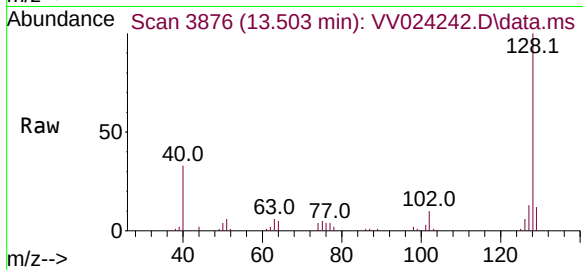
Tgt Ion:128 Resp: 25566

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 11.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 4.555 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VV024242.D

Acq: 30 Dec 2021 19:07

Tgt Ion:180 Resp: 10009

Ion Ratio Lower Upper

180 100

182 92.8 76.1 114.1

145 29.2 25.0 37.4

