

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060342.D
 Acq On : 07 Aug 2024 17:36
 Operator : MD/SY
 Sample : P3390-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 06:01:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	28116	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8445	0.882	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	10191	0.979	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	2579	0.238	ug/l	93
3) Chloromethane	1.518	50	2994	0.242	ug/l	89
4) Vinyl Chloride	1.602	62	3014	0.244	ug/l	92
5) Bromomethane	1.853	94	2125	0.280	ug/l	# 80
6) Chloroethane	1.930	64	2278	0.304	ug/l	# 88
7) Trichlorofluoromethane	2.132	101	3934	0.264	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	2067	0.255	ug/l	89
9) 1,1-Dichloroethene	2.576	96	2383	0.283	ug/l	96
10) Iodomethane	2.718	142	2903	0.233	ug/l	99
11) Allyl Chloride	2.920	41	2498	0.217	ug/l	93
13) Acetone	2.663	43	1119	0.419	ug/l	# 35
14) Carbon Disulfide	2.788	76	7078	0.248	ug/l	# 93
15) Methylene Chloride	3.039	84	4388	0.417	ug/l	89
16) trans-1,2-Dichloroethene	3.351	96	2283	0.253	ug/l	88
20) Methylcyclohexane	6.759	83	2390	0.202	ug/l	93
21) 2,2-Dichloropropane	4.656	77	2879	0.213	ug/l	93
22) cis-1,2-Dichloroethene	4.666	96	2288	0.237	ug/l	91
23) Diethyl Ether	2.374	59	1625	0.238	ug/l	94
25) Methyl tert-Butyl Ether	3.361	73	4490	0.218	ug/l	# 76
27) Chloroform	5.084	83	4785	0.282	ug/l	97
29) 1,1-Dichloropropene	5.528	75	2521	0.224	ug/l	90
30) Carbon Tetrachloride	5.518	117	2917	0.254	ug/l	90
33) Tert-Amyl methyl ether	5.939	73	3719	0.214	ug/l	92
35) Benzene	5.772	78	8626	0.248	ug/l	98
36) 1,2-Dichloroethane	5.791	62	2395	0.248	ug/l	# 75
37) Trichloroethene	6.537	130	2148	0.250	ug/l	97
38) 1,2-Dichloropropane	6.795	63	2277	0.242	ug/l	97
41) Tetrahydrofuran	5.090	42	398	0.229	ug/l	# 42
42) 1-Chlorobutane	5.463	56	3163	0.203	ug/l	93
43) Dibromomethane	6.923	93	1015	0.213	ug/l	# 72
44) Bromodichloromethane	7.103	83	3171	0.278	ug/l	# 91
45) 4-Methyl-2-Pentanone	7.798	43	4167	0.933	ug/l	93
46) t-1,4-Dichloro-2-butene	10.817	75	2197	0.878	ug/l	# 43
49) Toluene	7.965	92	4070	0.211	ug/l	95
50) t-1,3-Dichloropropene	8.216	75	2222	0.236	ug/l	# 88
51) cis-1,3-Dichloropropene	7.608	75	2392	0.211	ug/l	# 83
52) 1,1,2-Trichloroethane	8.399	97	1784	0.256	ug/l	# 79
53) 1,3-Dichloropropane	8.573	76	2658	0.239	ug/l	98
54) 2-Hexanone	8.701	43	2405	0.695	ug/l	# 68
55) Dibromochloromethane	8.804	129	1947	0.254	ug/l	99
56) 1,2-Dibromoethane	8.923	107	1501	0.240	ug/l	91
58) Tetrachloroethene	8.550	164	2257	0.294	ug/l	# 86
59) Chlorobenzene	9.450	112	5107	0.245	ug/l	93

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

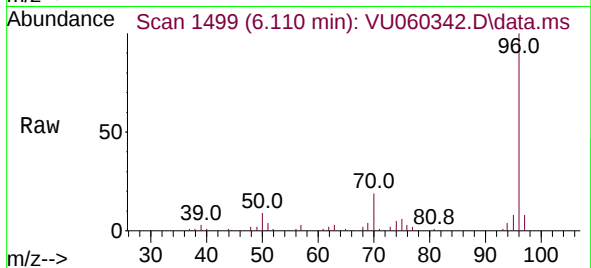
60) 1,1,1,2-Tetrachloroethane	9.528	131	2176	0.265	ug/l	93
61) Pentachloroethane	11.425	117	1758	0.250	ug/l	98
62) Hexachloroethane	12.466	117	1713	0.252	ug/l	92
63) Ethyl Benzene	9.566	91	6944	0.663	ug/l	92
64) m/p-Xylenes	9.692	106	5090	1.199	ug/l	100
65) o-Xylene	10.100	106	2379	0.592	ug/l	92
66) Styrene	10.116	104	3555	0.600	ug/l	97
67) Bromoform	10.290	173	1130	0.252	ug/l #	85
69) Isopropylbenzene	10.479	105	6447	0.631	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.775	83	2170	0.234	ug/l #	96
71) 1,2,3-Trichloropropane	10.817	75	2197	0.319	ug/l	66
72) Bromobenzene	10.785	156	1966	0.229	ug/l	95
73) n-propylbenzene	10.900	120	2437	0.693	ug/l	95
74) 2-Chlorotoluene	10.981	126	1662	0.477	ug/l	79
75) 1,3,5-Trimethylbenzene	11.081	105	5271	0.600	ug/l	99
76) 4-Chlorotoluene	11.097	126	1686	0.493	ug/l	92
77) tert-Butylbenzene	11.415	119	5706	0.610	ug/l	97
78) 1,2,4-Trimethylbenzene	11.466	105	4924	0.625	ug/l	97
79) sec-Butylbenzene	11.640	105	6715	0.593	ug/l	100
81) p-Isopropyltoluene	11.788	119	5429	0.656	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	4582	0.256	ug/l	96
83) 1,4-Dichlorobenzene	11.839	146	4566	0.257	ug/l	91
84) n-Butylbenzene	12.209	91	5625	0.657	ug/l	95
85) 1,2-Dichlorobenzene	12.209	146	4072	0.236	ug/l	97
87) 1,2,4-Trichlorobenzene	13.839	180	2177	0.220	ug/l	97
88) Hexachlorobutadiene	14.013	225	1739	0.272	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	2294	0.238	ug/l #	93

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

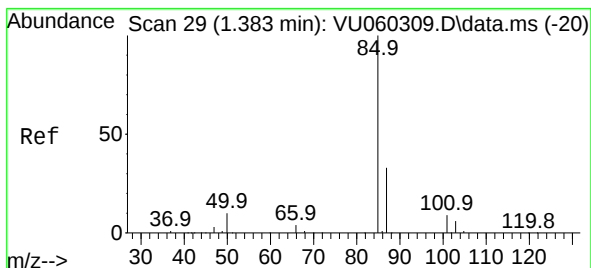
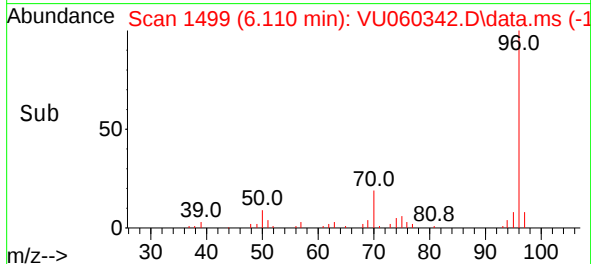
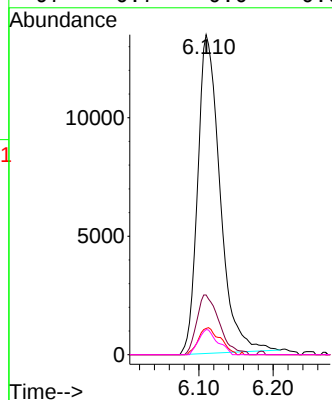


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1498
Delta R.T. 0.003 min
Lab File: VU060342.D
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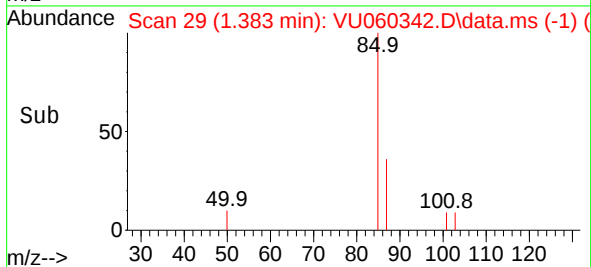
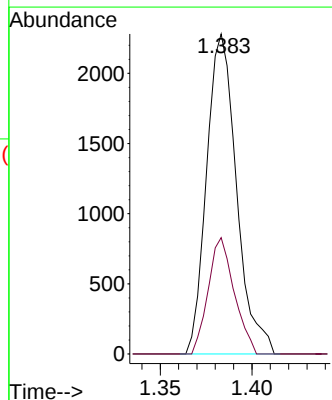
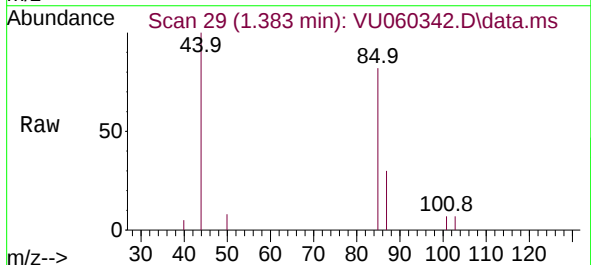


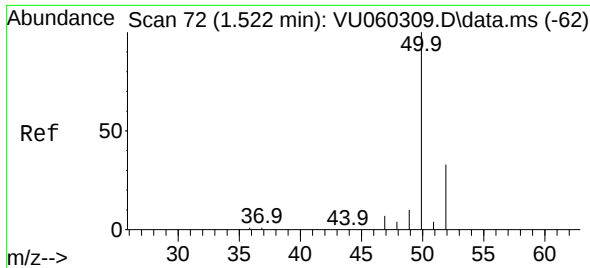
Tgt Ion: 96 Resp: 28116
Ion Ratio Lower Upper
96 100
70 18.9 17.2 25.8
95 8.3 7.9 11.9
97 6.7 0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.238 ug/l
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

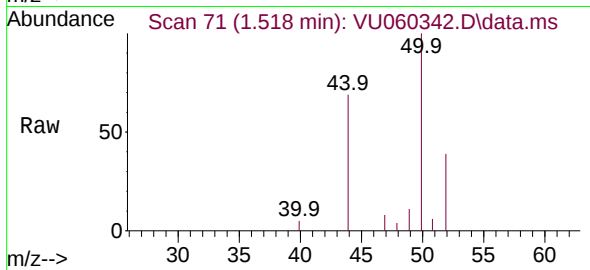
Tgt Ion: 85 Resp: 2579
Ion Ratio Lower Upper
85 100
87 36.4 16.3 48.9



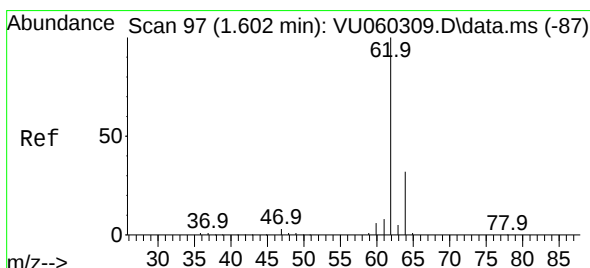
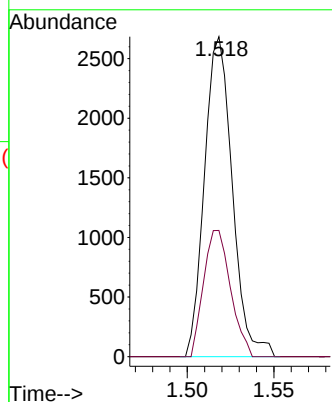
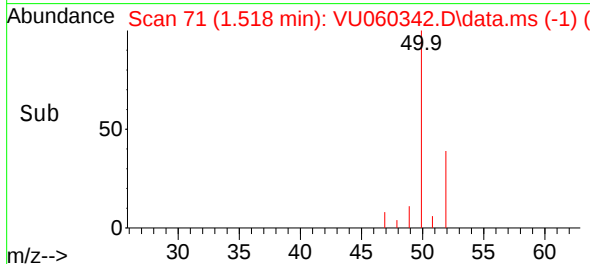


#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_U
ClientSampleId :

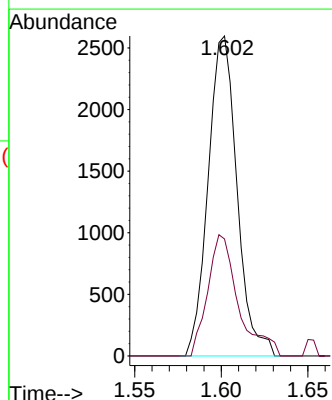
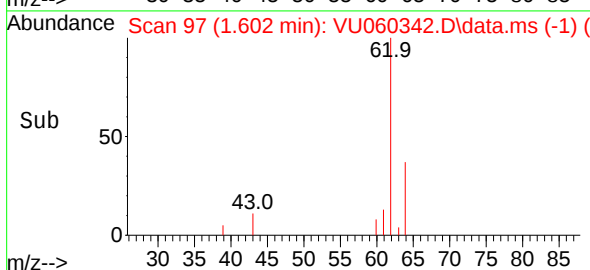
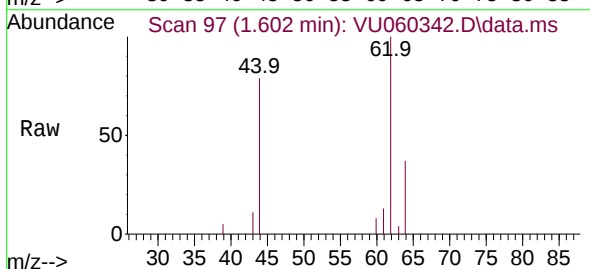


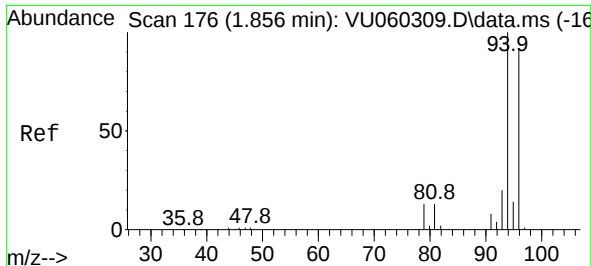
Tgt Ion: 50 Resp: 2994
Ion Ratio Lower Upper
50 100
52 39.4 26.5 39.7



#4
Vinyl Chloride
Concen: 0.244 ug/l
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 62 Resp: 3014
Ion Ratio Lower Upper
62 100
64 36.6 25.8 38.6

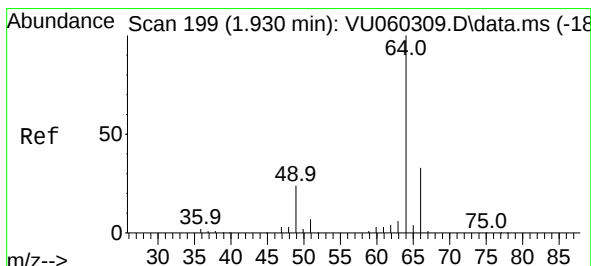
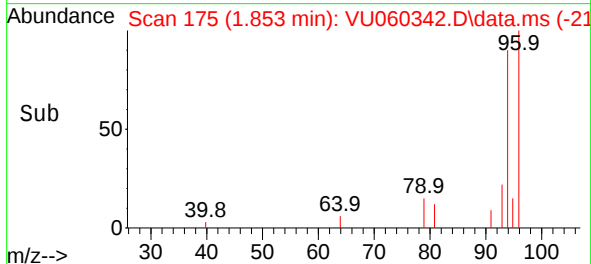
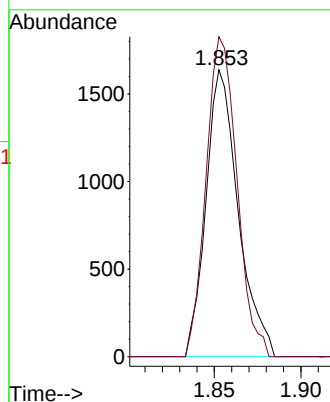
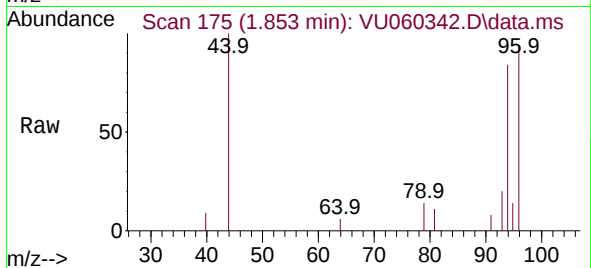




#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

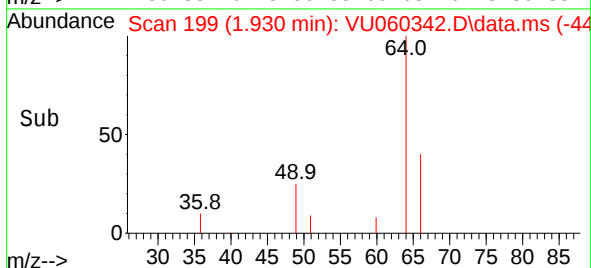
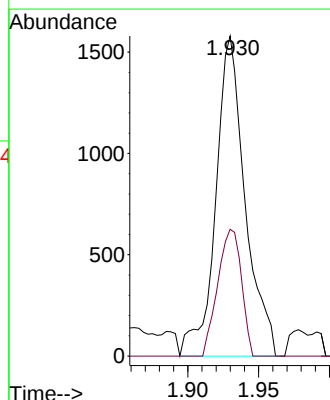
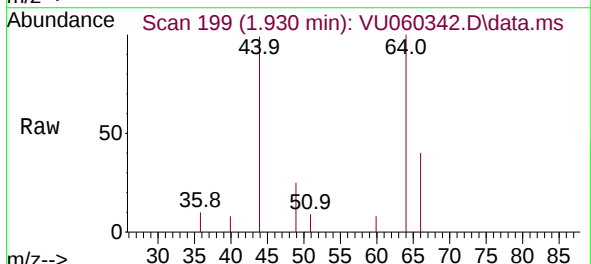
Instrument :
MSVOA_U
ClientSampleId :

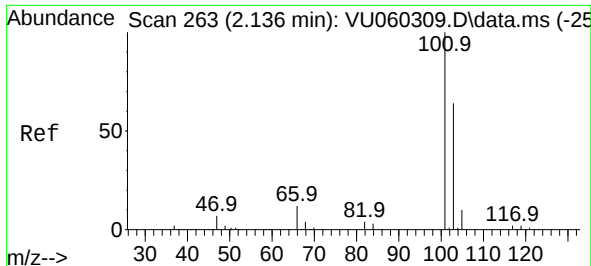
Tgt Ion: 94 Resp: 2125
Ion Ratio Lower Upper
94 100
96 111.5 73.8 110.8#



#6
Chloroethane
Concen: 0.304 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

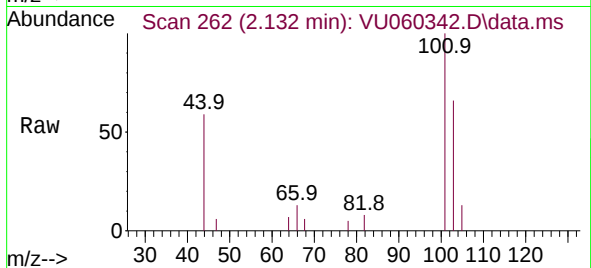
Tgt Ion: 64 Resp: 2278
Ion Ratio Lower Upper
64 100
66 39.6 26.3 39.5#



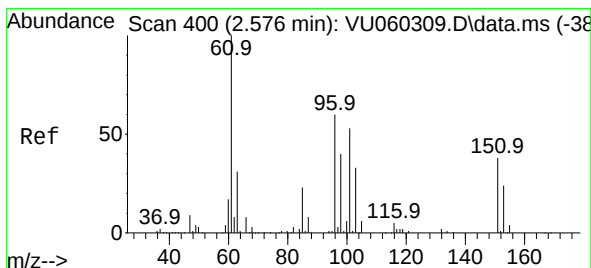
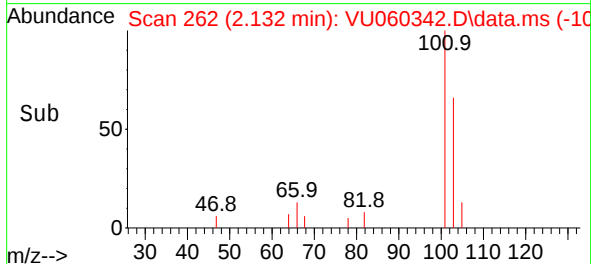
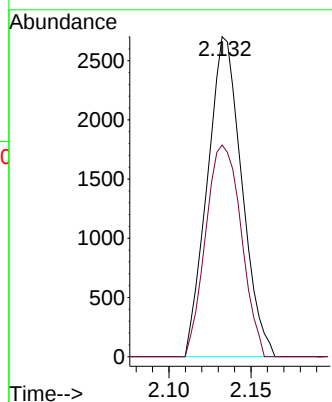


#7
Trichlorofluoromethane
Concen: 0.264 ug/l
RT: 2.132 min Scan# 210
Delta R.T. -0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_U
ClientSampleId :

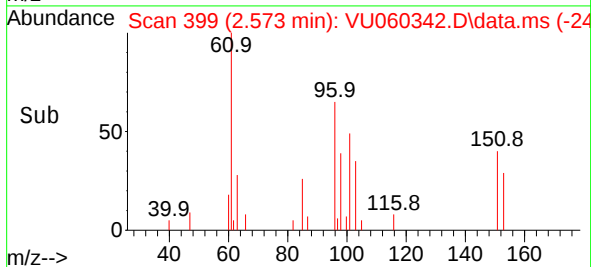
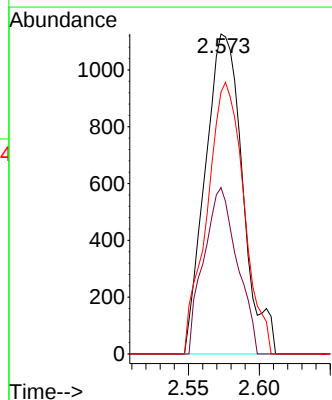
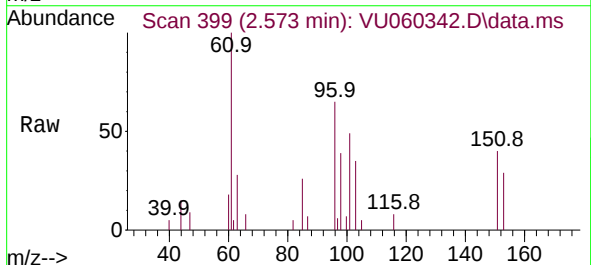


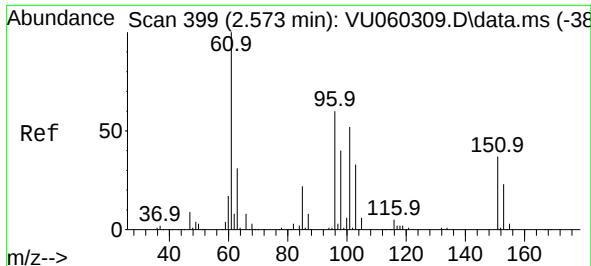
Tgt Ion:101 Resp: 3934
Ion Ratio Lower Upper
101 100
103 66.2 51.0 76.4



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.255 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion:101 Resp: 2067
Ion Ratio Lower Upper
101 100
85 46.3 34.9 52.3
151 83.9 57.2 85.8

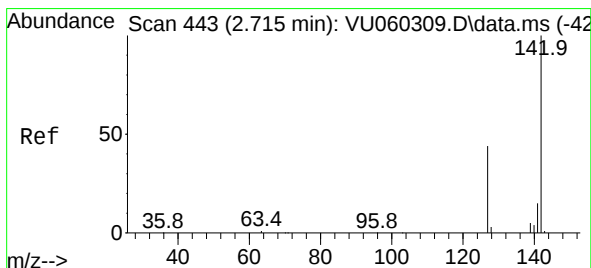
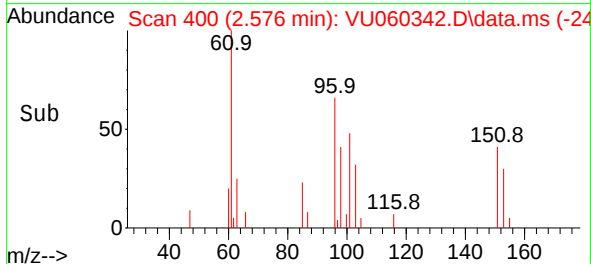
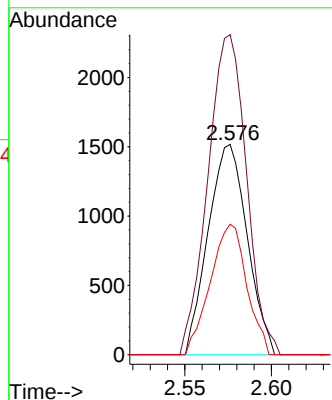
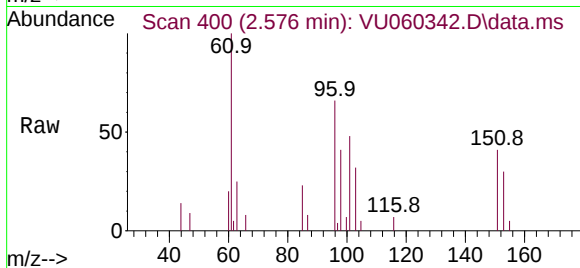




#9
1,1-Dichloroethene
Concen: 0.283 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU060342.D
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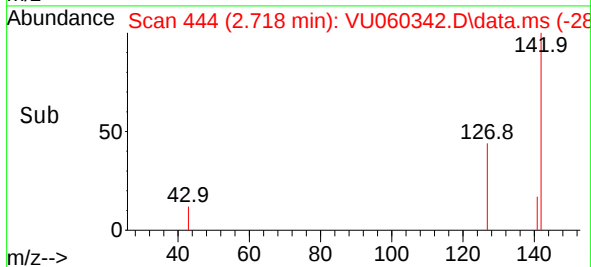
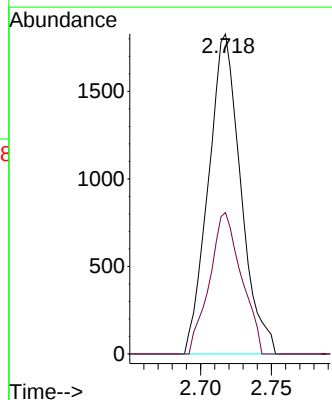
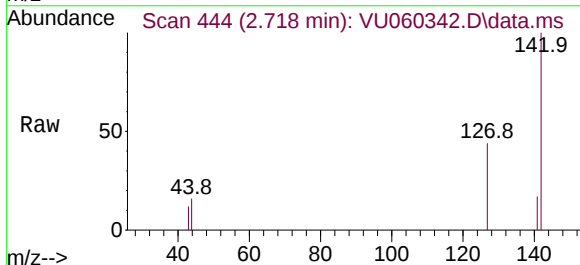
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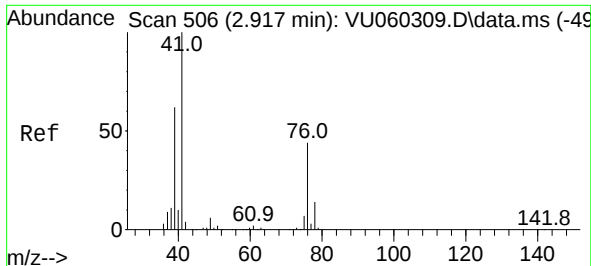
Tgt Ion: 96 Resp: 2383
Ion Ratio Lower Upper
96 100
61 160.3 0.0 495.9
98 62.0 0.0 131.6



#10
Iodomethane
Concen: 0.233 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 142 Resp: 2903
Ion Ratio Lower Upper
142 100
127 43.5 35.5 53.3

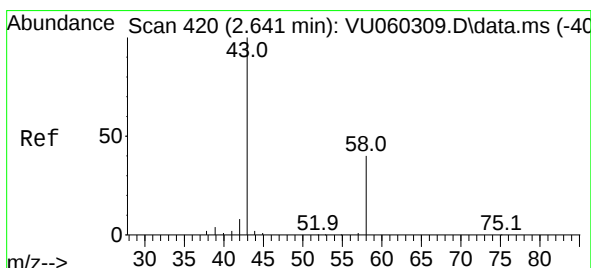
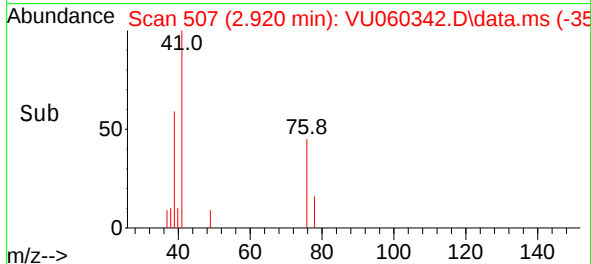
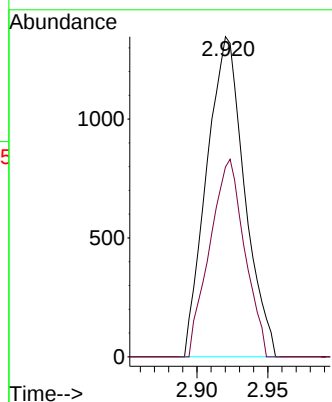
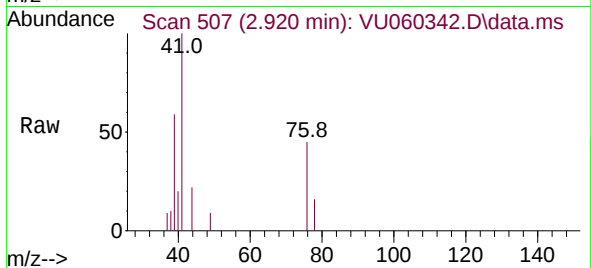




#11
Allyl Chloride
Concen: 0.217 ug/l
RT: 2.920 min Scan# 506
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

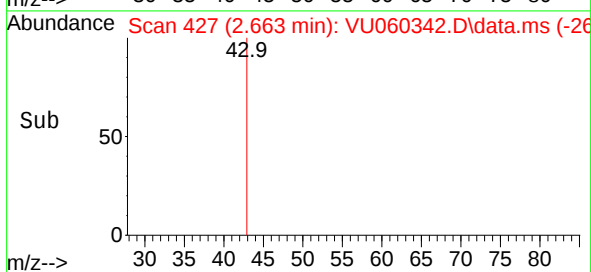
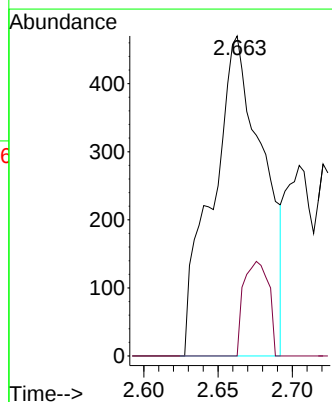
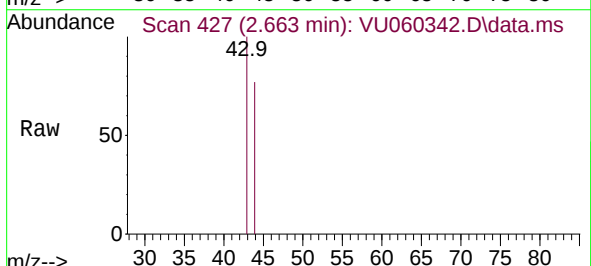
Instrument :
MSVOA_U
ClientSampleId :

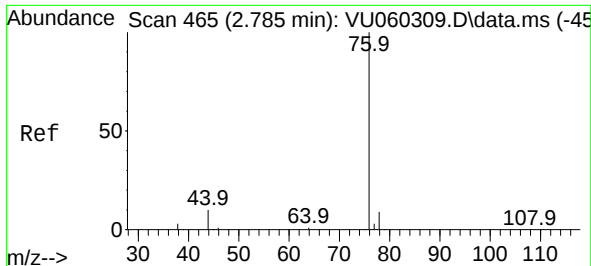
Tgt Ion: 41 Resp: 2498
Ion Ratio Lower Upper
41 100
39 56.8 50.0 75.0



#13
Acetone
Concen: 0.419 ug/l
RT: 2.663 min Scan# 427
Delta R.T. 0.022 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#

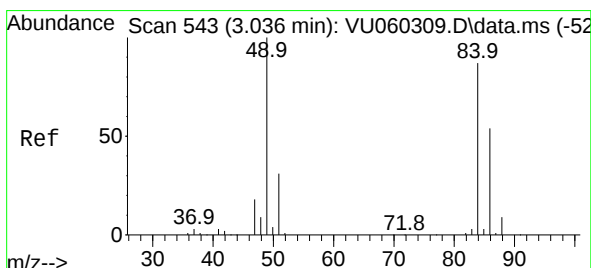
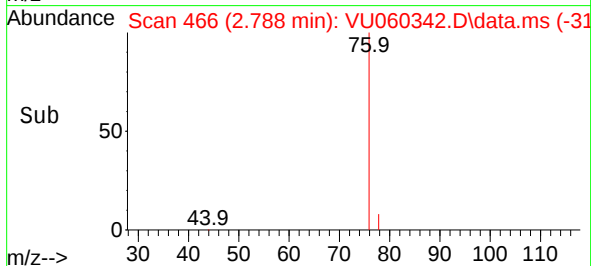
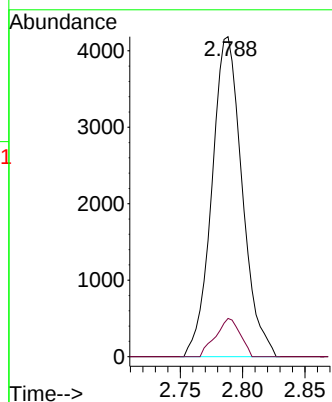
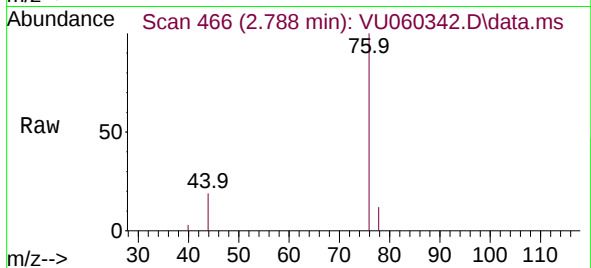




#14
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.788 min Scan# 466
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

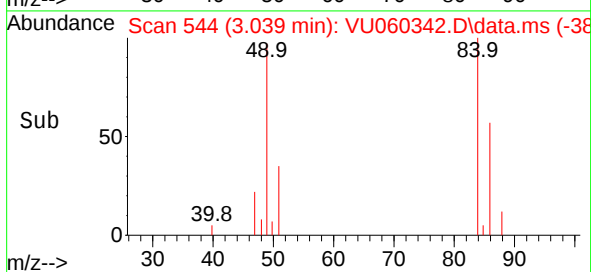
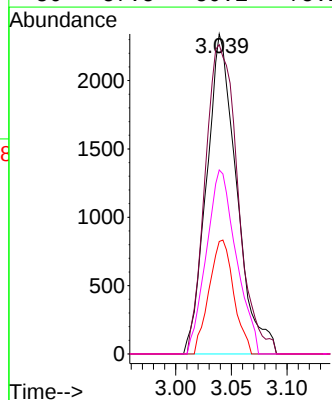
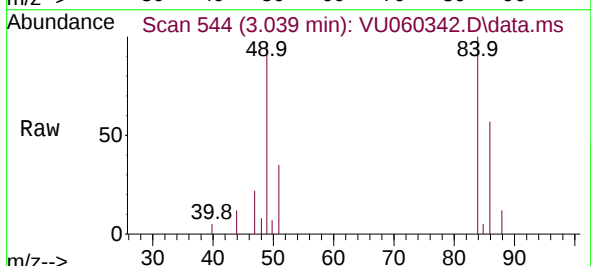
Instrument :
MSVOA_U
ClientSampleId :

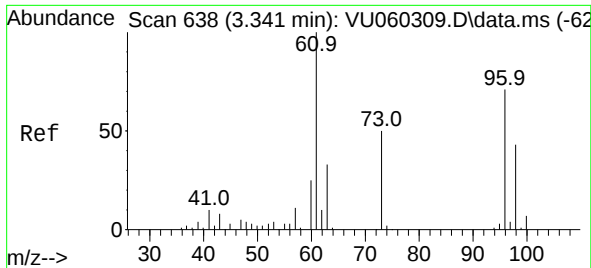
Tgt Ion: 76 Resp: 7078
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.0#



#15
Methylene Chloride
Concen: 0.417 ug/l
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

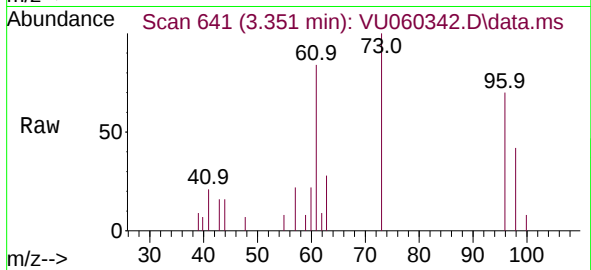
Tgt Ion: 84 Resp: 4388
Ion Ratio Lower Upper
84 100
49 96.7 92.1 138.1
51 35.2 0.0 72.4
86 57.5 50.1 75.1





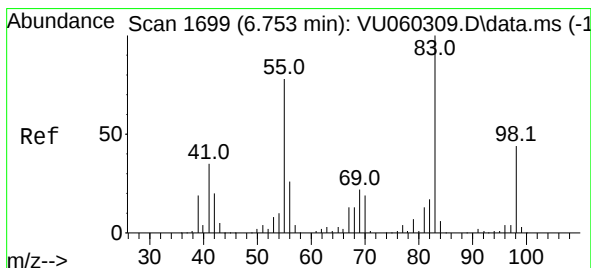
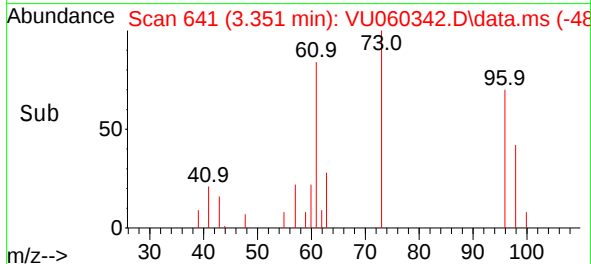
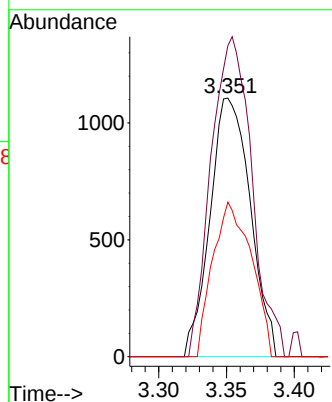
#16
trans-1,2-Dichloroethene
Concen: 0.253 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.009 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 2283

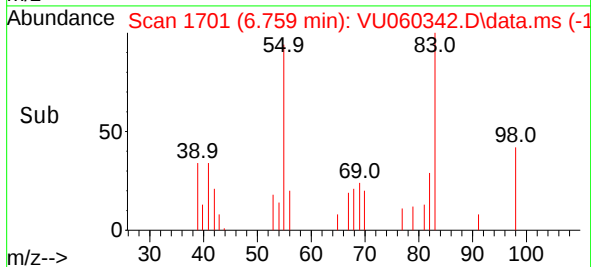
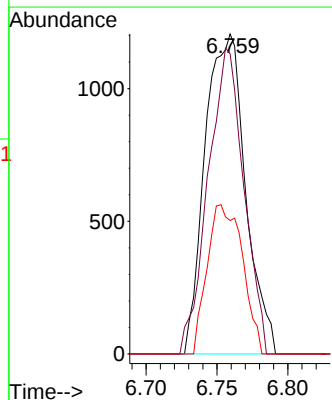
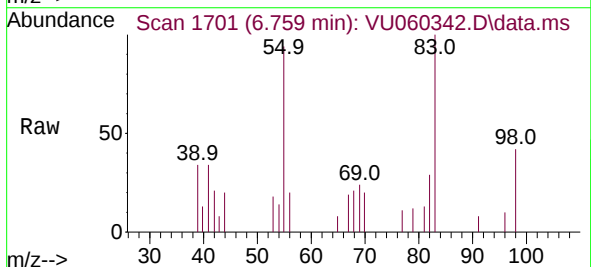
Ion	Ratio	Lower	Upper
96	100		
61	120.3	112.8	169.2
98	59.8	48.7	73.1

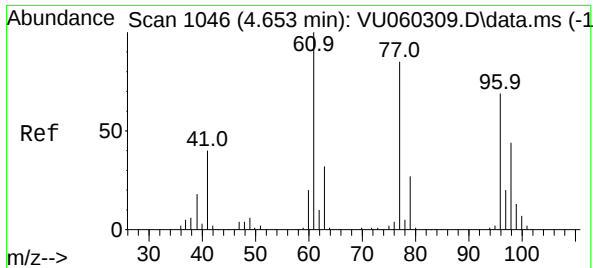


#20
Methylcyclohexane
Concen: 0.202 ug/l
RT: 6.759 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 83 Resp: 2390

Ion	Ratio	Lower	Upper
83	100		
55	84.7	62.2	93.2
98	40.9	36.1	54.1

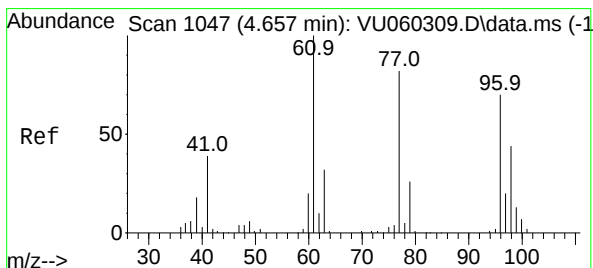
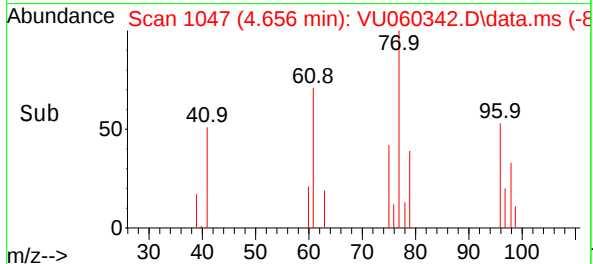
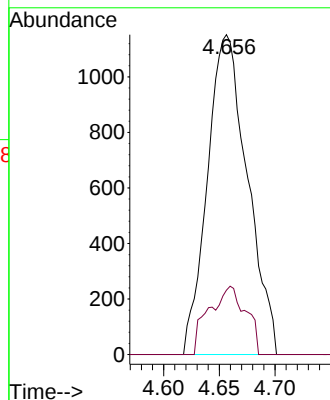
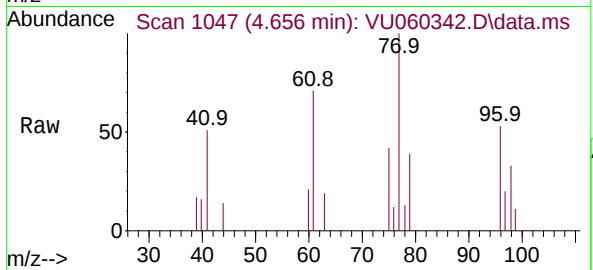




#21
2,2-Dichloropropane
Concen: 0.213 ug/l
RT: 4.656 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

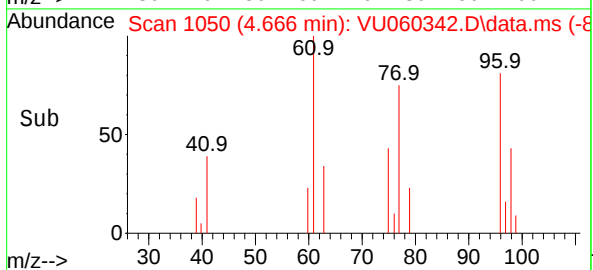
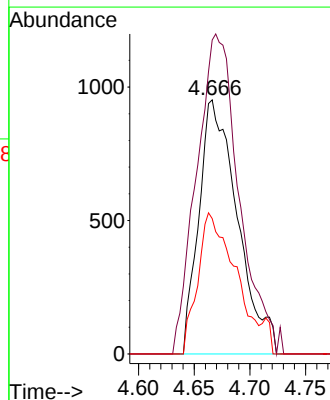
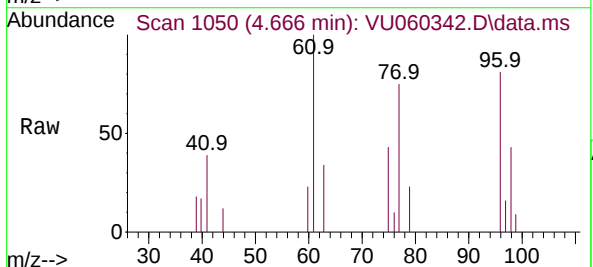
Instrument :
MSVOA_U
ClientSampleId :

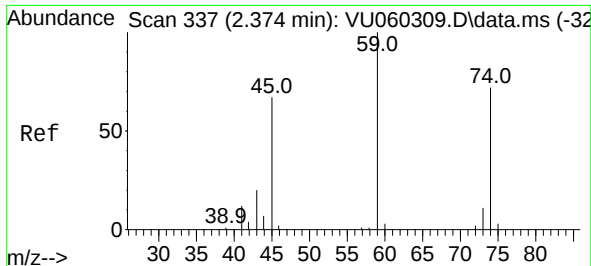
Tgt Ion: 77 Resp: 2879
Ion Ratio Lower Upper
77 100
97 19.7 18.6 27.8



#22
cis-1,2-Dichloroethene
Concen: 0.237 ug/l
RT: 4.666 min Scan# 1050
Delta R.T. 0.009 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

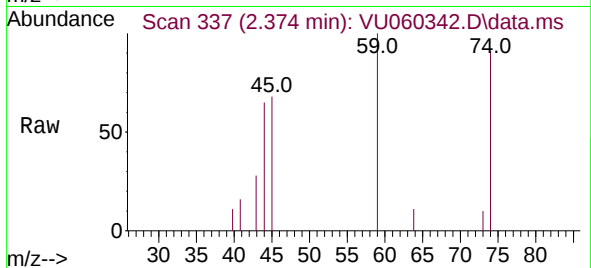
Tgt Ion: 96 Resp: 2288
Ion Ratio Lower Upper
96 100
61 139.2 0.0 372.8
98 53.5 31.8 95.4



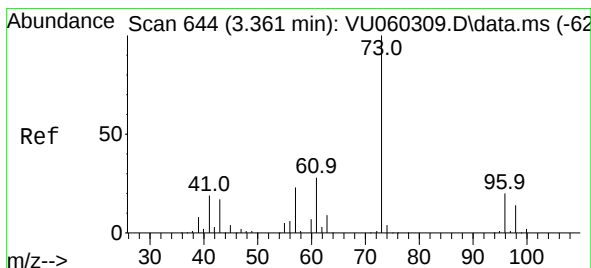
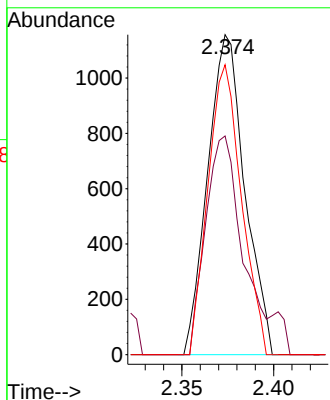
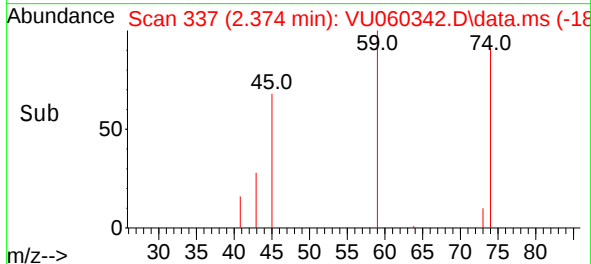


#23
Diethyl Ether
Concen: 0.238 ug/l
RT: 2.374 min Scan# 337
Delta R.T. -0.000 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_U
ClientSampleId :

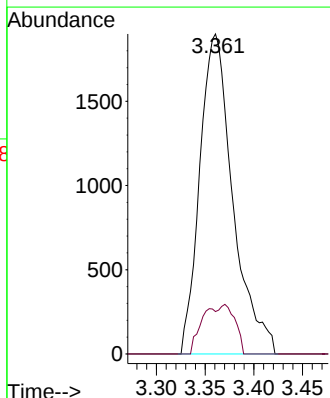
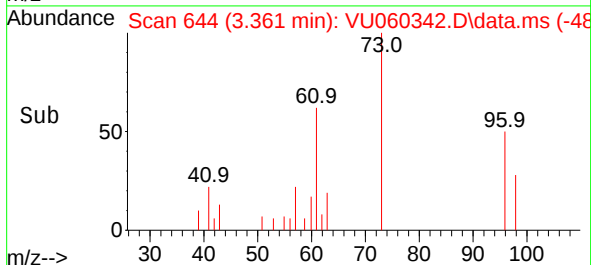
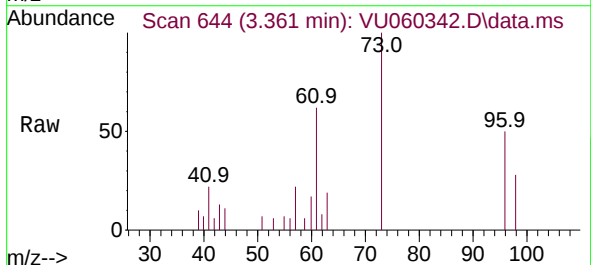


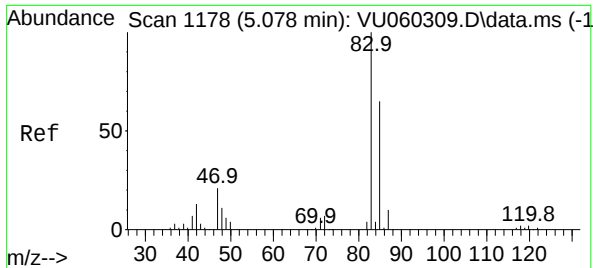
Tgt Ion: 59 Resp: 1625
Ion Ratio Lower Upper
59 100
45 72.4 55.8 83.6
74 81.7 59.2 88.8



#25
Methyl tert-Butyl Ether
Concen: 0.218 ug/l
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 73 Resp: 4490
Ion Ratio Lower Upper
73 100
43 7.1 14.1 21.1#

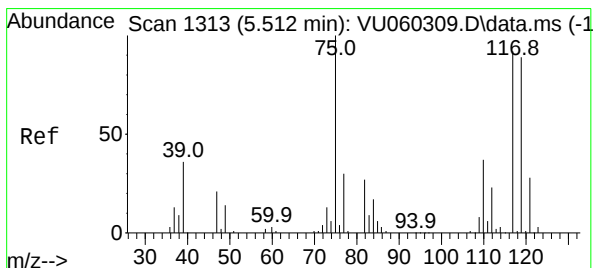
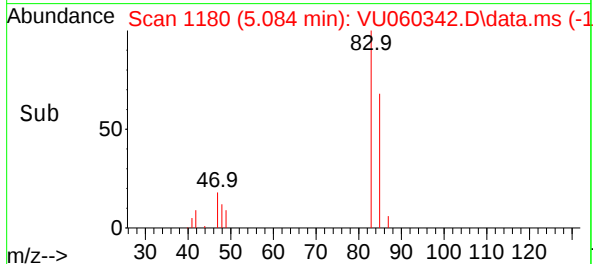
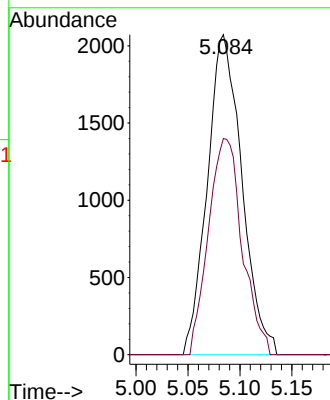
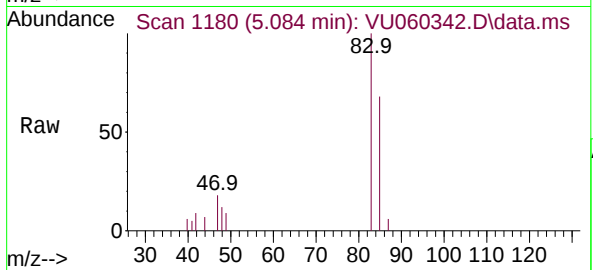




#27
Chloroform
Concen: 0.282 ug/l
RT: 5.084 min Scan# 1178
Delta R.T. 0.006 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

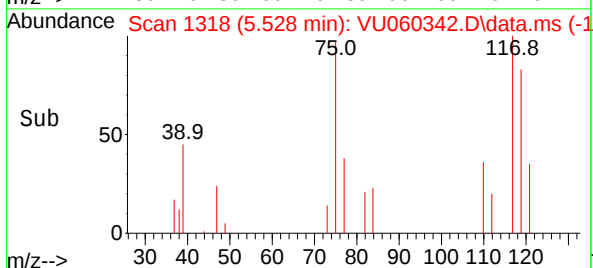
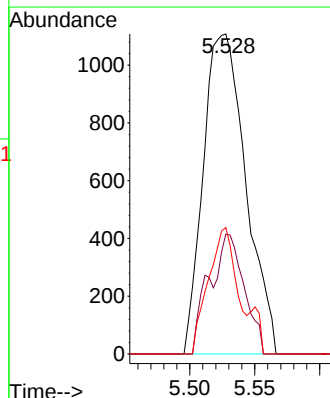
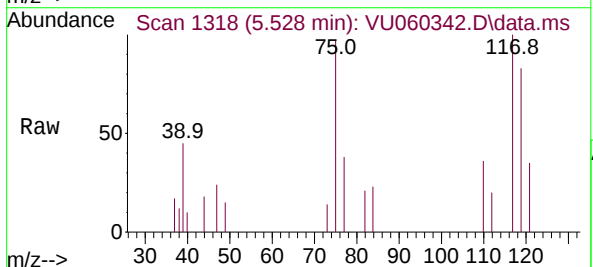
Instrument :
MSVOA_U
ClientSampleId :

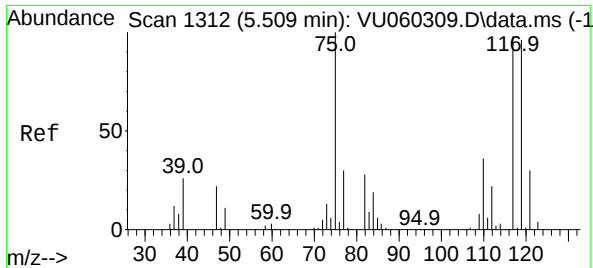
Tgt Ion: 83 Resp: 4785
Ion Ratio Lower Upper
83 100
85 67.6 0.0 131.0



#29
1,1-Dichloropropene
Concen: 0.224 ug/l
RT: 5.528 min Scan# 1318
Delta R.T. 0.016 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 75 Resp: 2521
Ion Ratio Lower Upper
75 100
110 30.7 18.4 55.2
77 26.2 24.8 37.2





#30

Carbon Tetrachloride

Concen: 0.254 ug/l

RT: 5.518 min Scan# 1415

Delta R.T. 0.009 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

ClientSampleId :

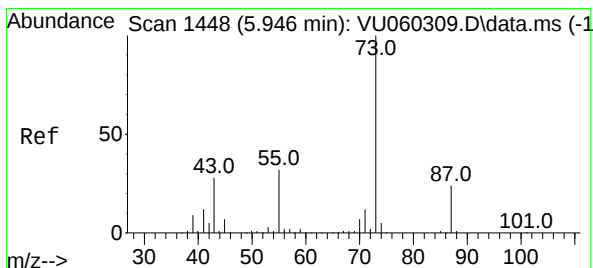
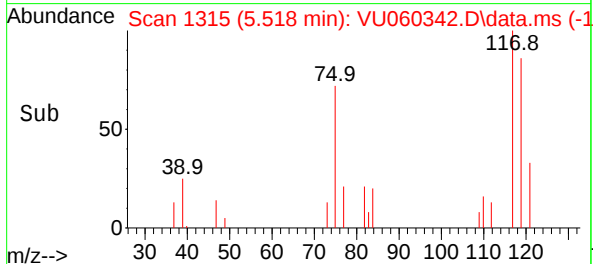
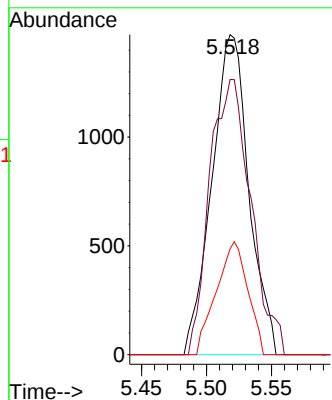
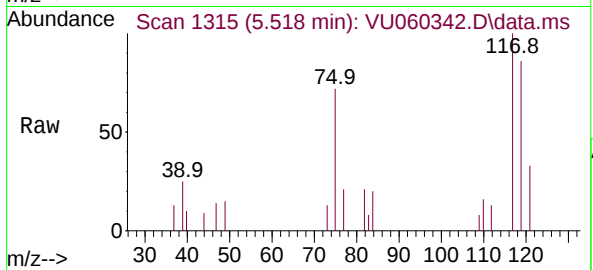
Tgt Ion:117 Resp: 2917

Ion Ratio Lower Upper

117 100

119 86.0 77.8 116.6

121 33.1 24.2 36.2



#33

Tert-Amyl methyl ether

Concen: 0.214 ug/l

RT: 5.939 min Scan# 1446

Delta R.T. -0.007 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

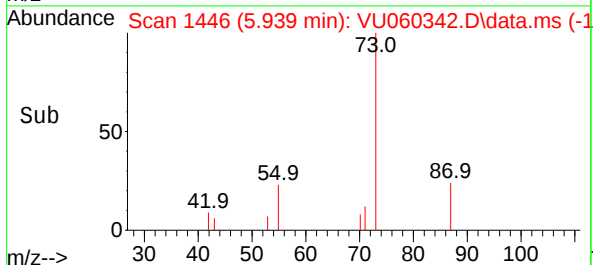
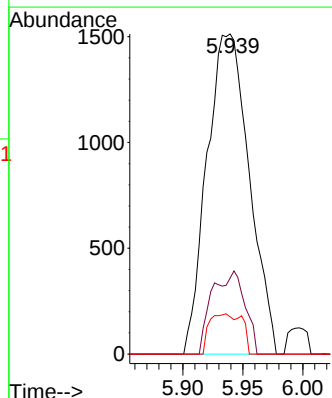
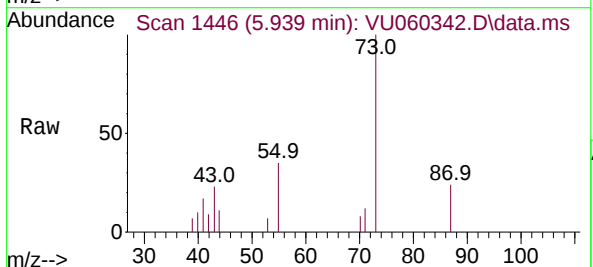
Tgt Ion: 73 Resp: 3719

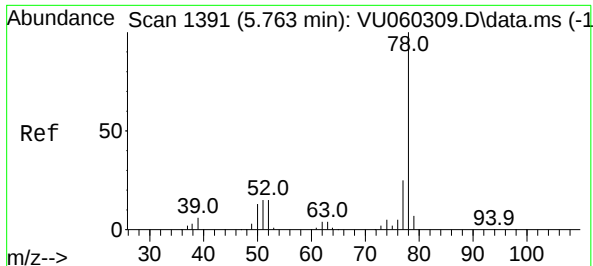
Ion Ratio Lower Upper

73 100

87 20.1 19.6 29.4

71 9.7 9.5 14.3





#35

Benzene

Concen: 0.248 ug/l

RT: 5.772 min Scan# 1400

Delta R.T. 0.010 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

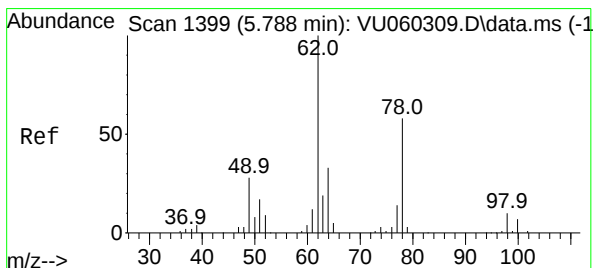
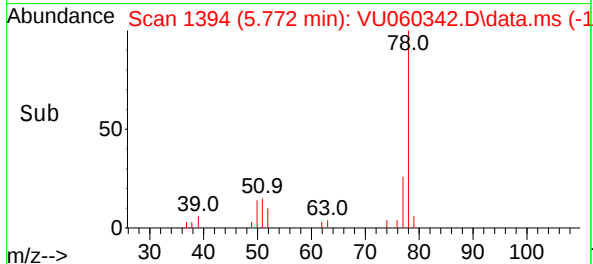
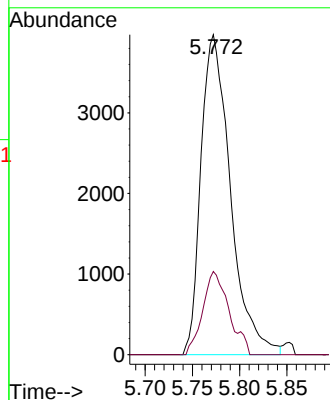
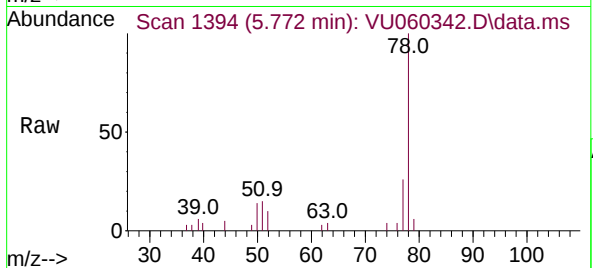
ClientSampleId :

Tgt Ion: 78 Resp: 8626

Ion Ratio Lower Upper

78 100

77 26.0 20.2 30.2



#36

1,2-Dichloroethane

Concen: 0.248 ug/l

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU060342.D

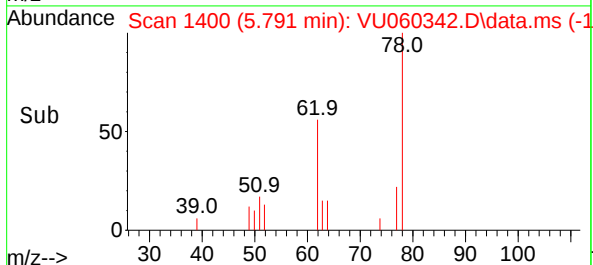
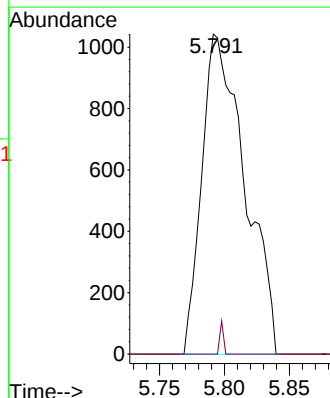
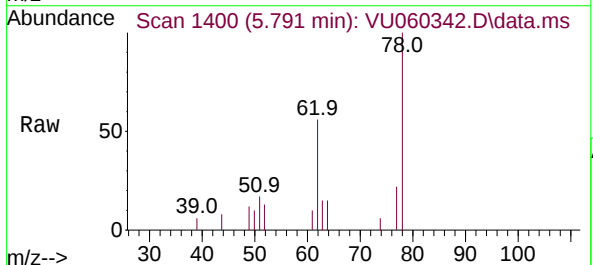
Acq: 07 Aug 2024 17:36

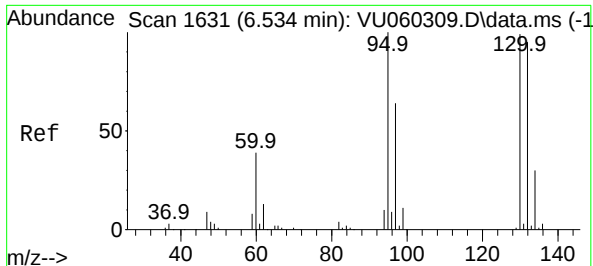
Tgt Ion: 62 Resp: 2395

Ion Ratio Lower Upper

62 100

98 0.9 8.1 12.1#





#37

Trichloroethene

Concen: 0.250 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

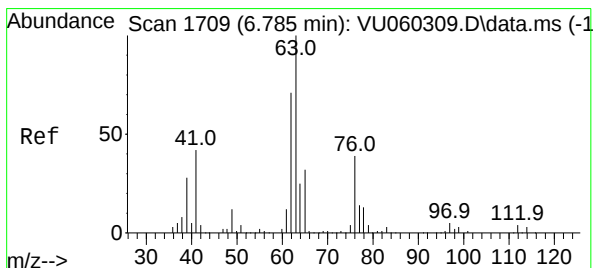
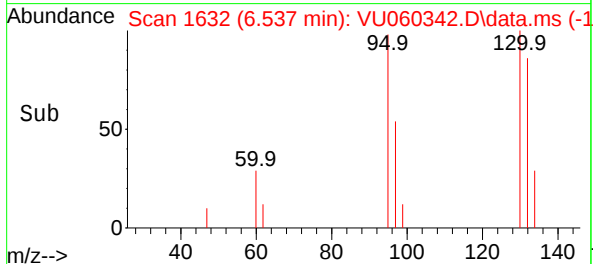
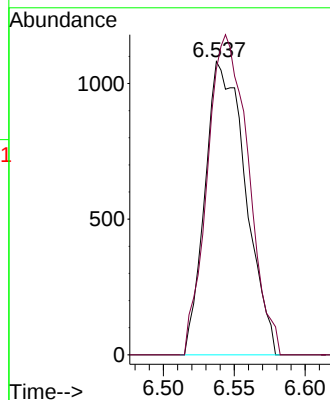
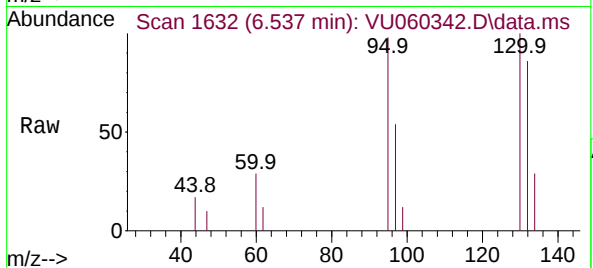
ClientSampleId :

Tgt Ion:130 Resp: 2148

Ion Ratio Lower Upper

130 100

95 97.5 80.6 121.0



#38

1,2-Dichloropropane

Concen: 0.242 ug/l

RT: 6.795 min Scan# 1712

Delta R.T. 0.010 min

Lab File: VU060342.D

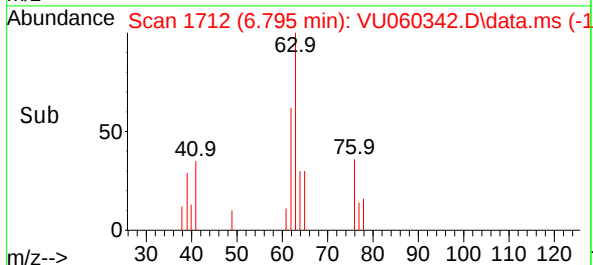
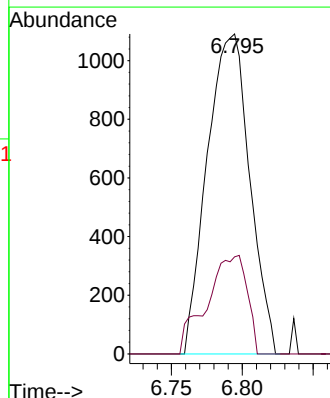
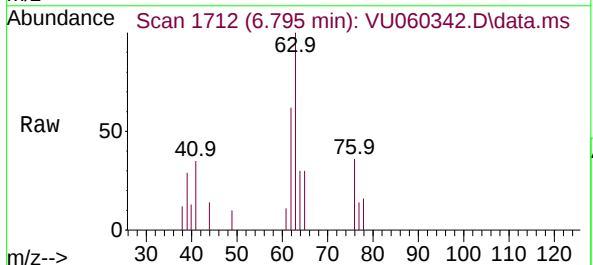
Acq: 07 Aug 2024 17:36

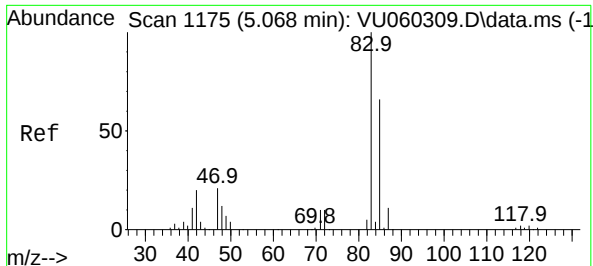
Tgt Ion: 63 Resp: 2277

Ion Ratio Lower Upper

63 100

65 30.3 25.6 38.4

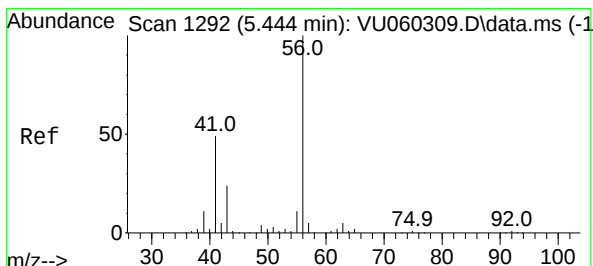
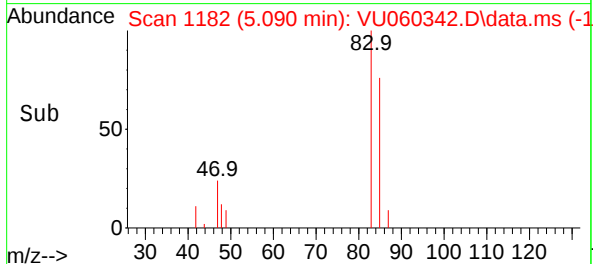
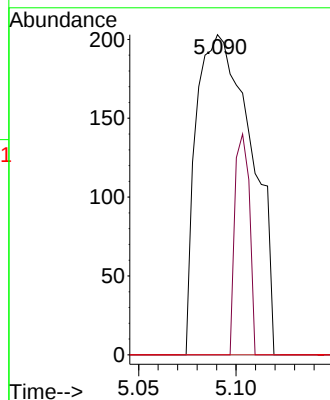
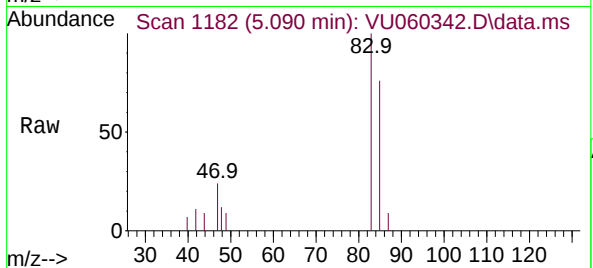




#41
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 5.090 min Scan# 1175
Delta R.T. 0.022 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

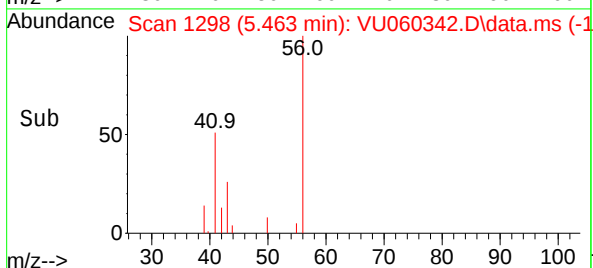
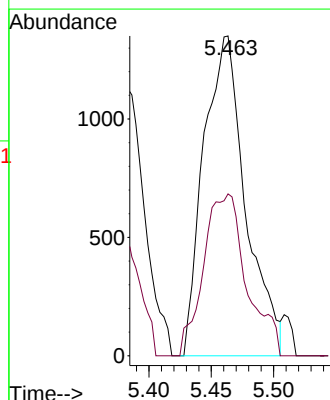
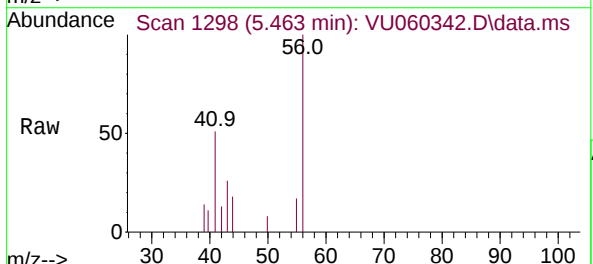
Instrument :
MSVOA_U
ClientSampleId :

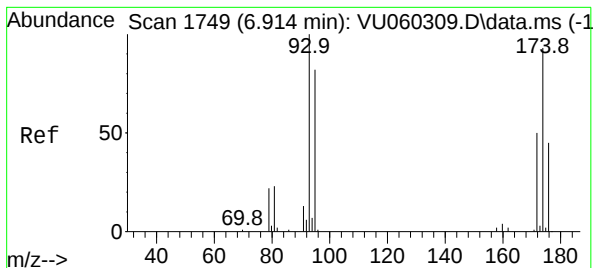
Tgt Ion:	42	Resp:	398
Ion Ratio	Lower	Upper	
42	100		
72	18.3	40.6	60.8#
71	0.0	38.0	57.0#



#42
1-Chlorobutane
Concen: 0.203 ug/l
RT: 5.463 min Scan# 1298
Delta R.T. 0.019 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion:	56	Resp:	3163
Ion Ratio	Lower	Upper	
56	100		
41	52.1	23.8	71.5





#43

Dibromomethane

Concen: 0.213 ug/l

RT: 6.923 min Scan# 1

Delta R.T. 0.009 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

ClientSampleId :

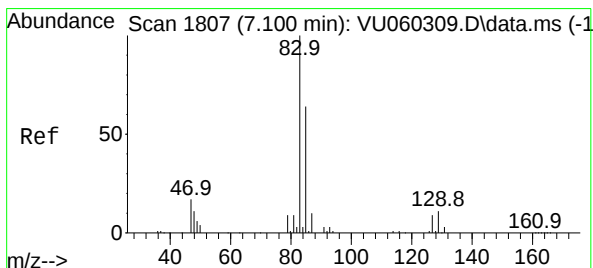
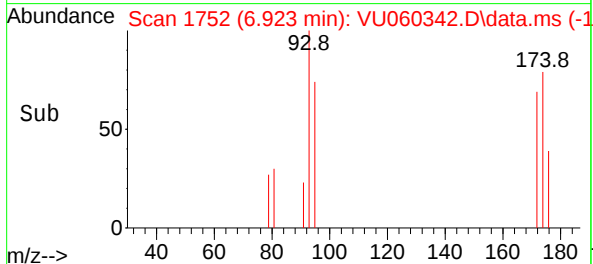
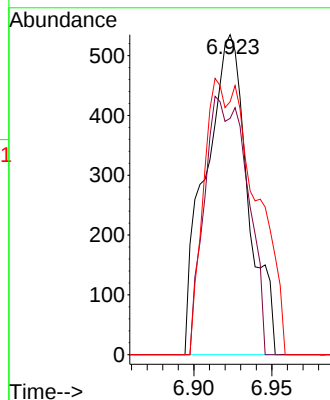
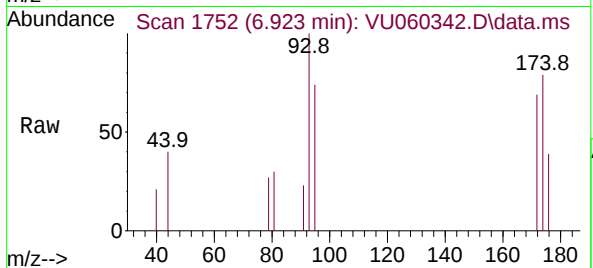
Tgt Ion: 93 Resp: 1015

Ion Ratio Lower Upper

93 100

95 81.6 66.4 99.6

174 44.9 75.2 112.8#



#44

Bromodichloromethane

Concen: 0.278 ug/l

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

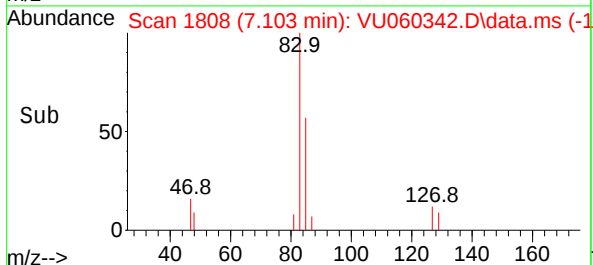
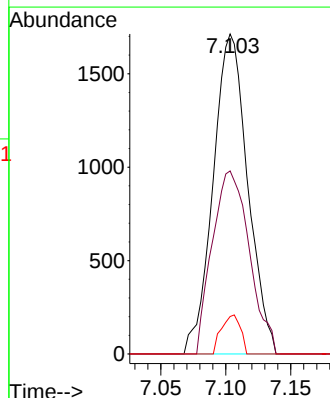
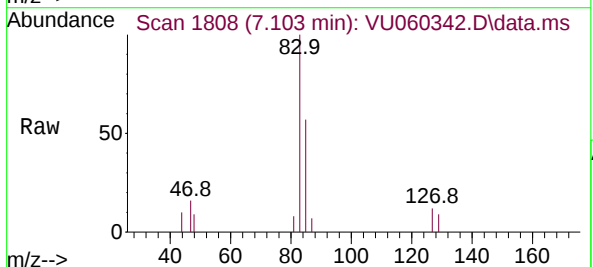
Tgt Ion: 83 Resp: 3171

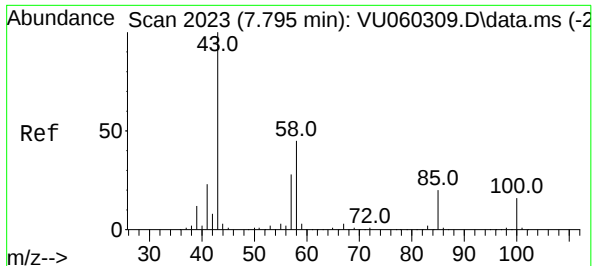
Ion Ratio Lower Upper

83 100

85 57.2 51.3 76.9

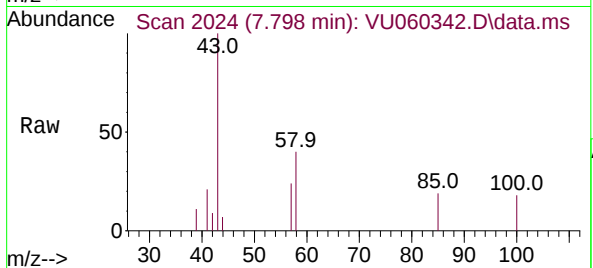
127 11.7 6.8 10.2#



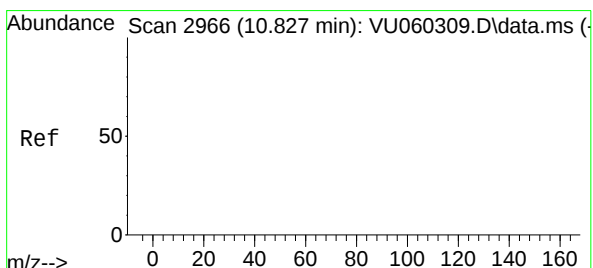
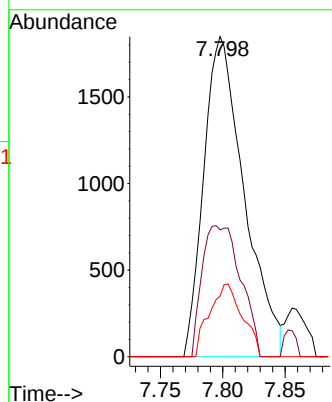
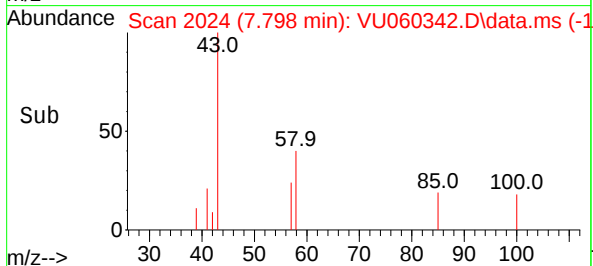


#45
4-Methyl-2-Pentanone
Concen: 0.933 ug/l
RT: 7.798 min Scan# 2024
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_U
ClientSampleId :

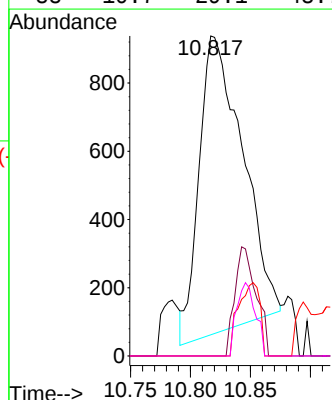
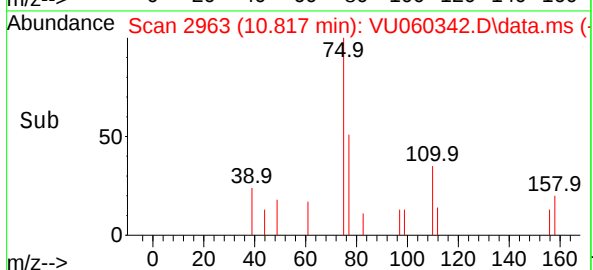
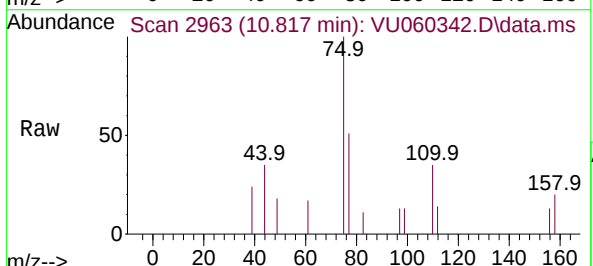


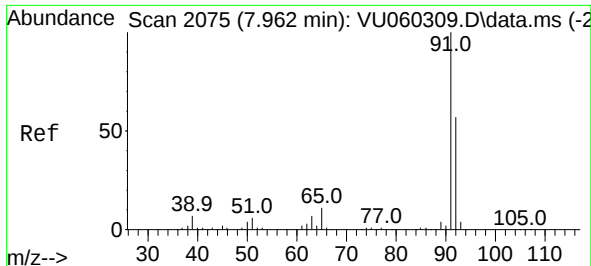
Tgt Ion: 43 Resp: 4167
Ion Ratio Lower Upper
43 100
58 39.1 22.3 66.9
85 18.5 16.0 24.0



#46
t-1,4-Dichloro-2-butene
Concen: 0.878 ug/l
RT: 10.817 min Scan# 2963
Delta R.T. -0.010 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 75 Resp: 2197
Ion Ratio Lower Upper
75 100
53 18.1 57.2 85.8#
89 12.1 40.4 60.6#
88 10.7 29.1 43.7#





#49

Toluene

Concen: 0.211 ug/l

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

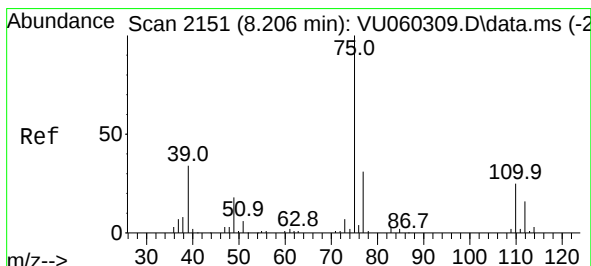
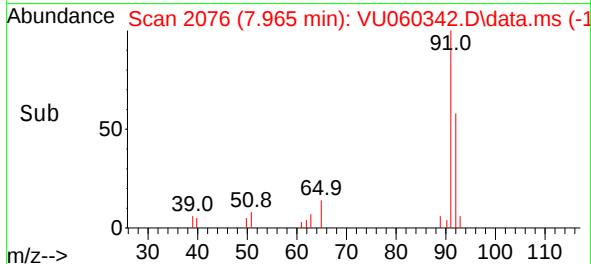
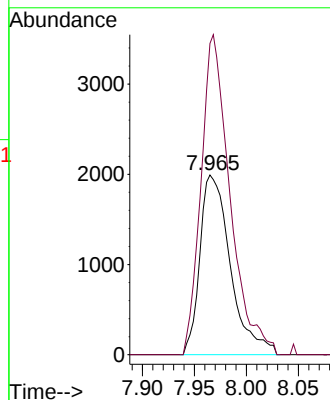
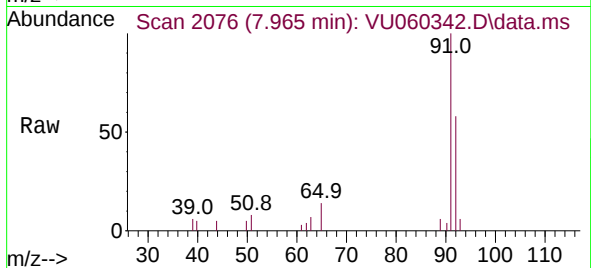
ClientSampleId :

Tgt Ion: 92 Resp: 4070

Ion Ratio Lower Upper

92 100

91 169.2 141.0 211.4



#50

t-1,3-Dichloropropene

Concen: 0.236 ug/l

RT: 8.216 min Scan# 2154

Delta R.T. 0.009 min

Lab File: VU060342.D

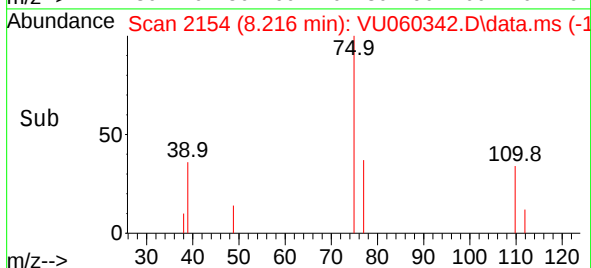
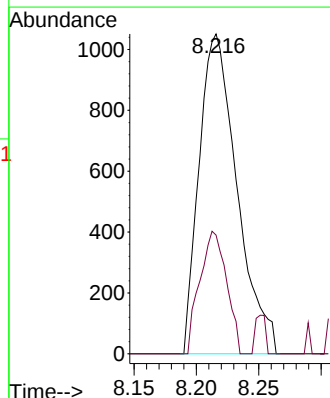
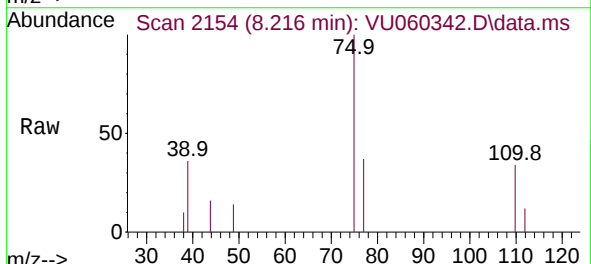
Acq: 07 Aug 2024 17:36

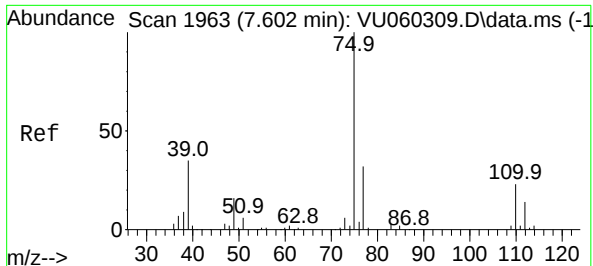
Tgt Ion: 75 Resp: 2222

Ion Ratio Lower Upper

75 100

77 37.1 24.6 37.0#

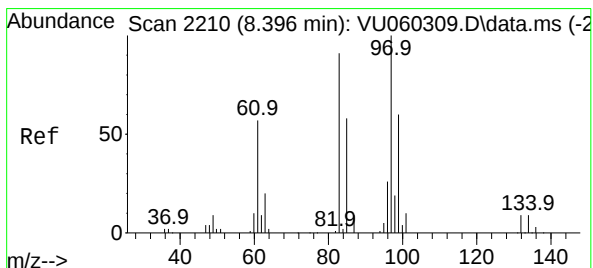
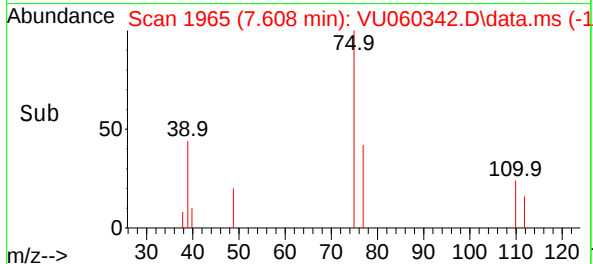
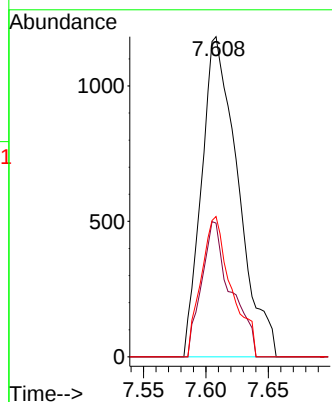
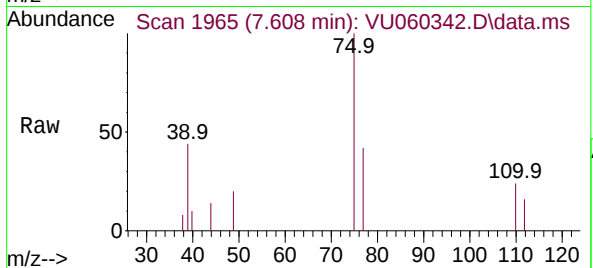




#51
cis-1,3-Dichloropropene
Concen: 0.211 ug/l
RT: 7.608 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

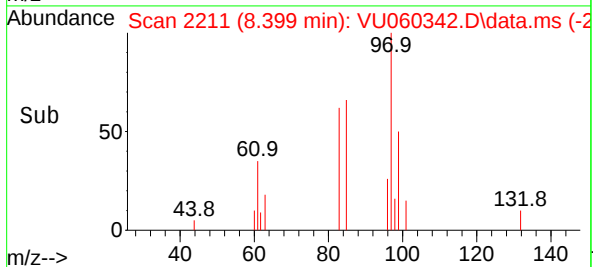
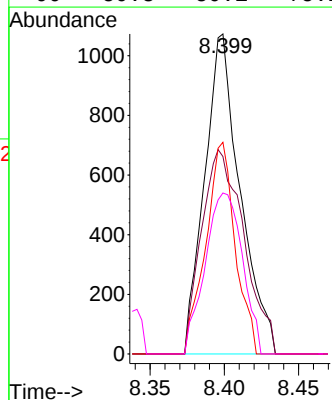
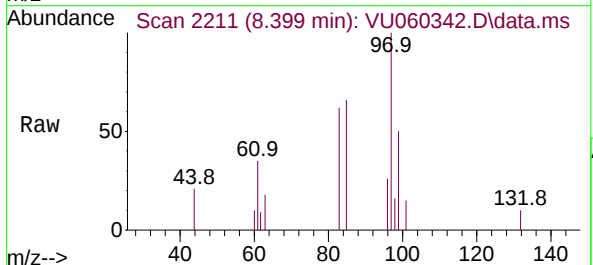
Instrument :
MSVOA_U
ClientSampleId :

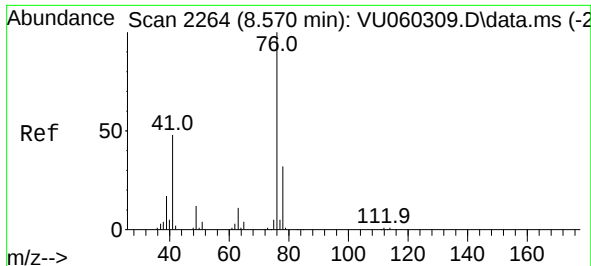
Tgt Ion: 75 Resp: 2392
Ion Ratio Lower Upper
75 100
77 41.8 25.4 38.0#
39 43.8 28.0 42.0#



#52
1,1,2-Trichloroethane
Concen: 0.256 ug/l
RT: 8.399 min Scan# 2211
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 97 Resp: 1784
Ion Ratio Lower Upper
97 100
83 61.7 73.0 109.4#
85 66.2 46.2 69.4
99 50.3 50.1 75.1

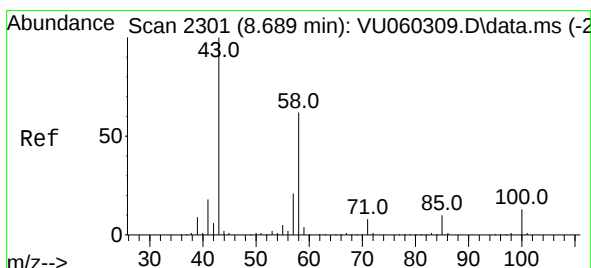
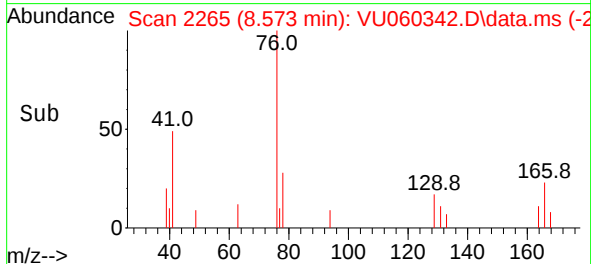
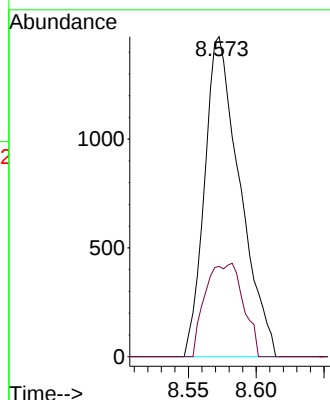
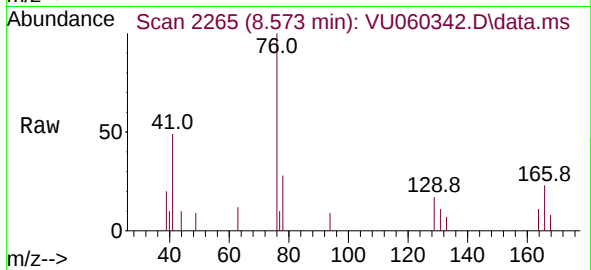




#53
1,3-Dichloropropane
Concen: 0.239 ug/l
RT: 8.573 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

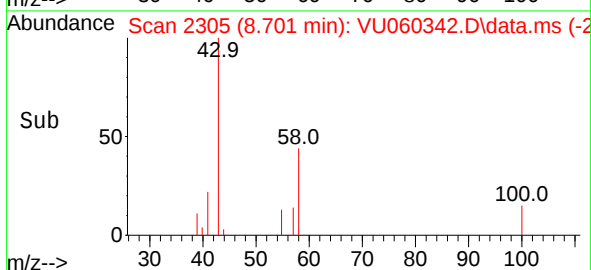
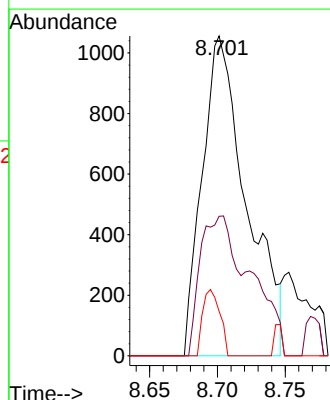
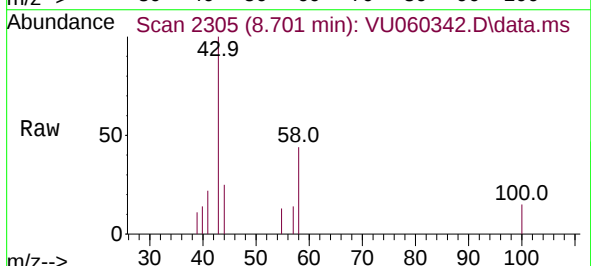
Instrument :
MSVOA_U
ClientSampleId :

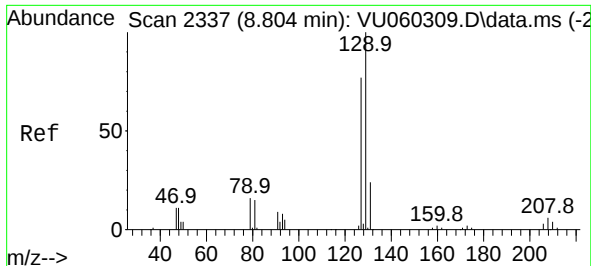
Tgt Ion: 76 Resp: 2658
Ion Ratio Lower Upper
76 100
78 31.4 26.2 39.2



#54
2-Hexanone
Concen: 0.695 ug/l
RT: 8.701 min Scan# 2305
Delta R.T. 0.013 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
58 34.1 40.1 80.1#
57 8.0 0.3 40.3





#55

Dibromochloromethane

Concen: 0.254 ug/l

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

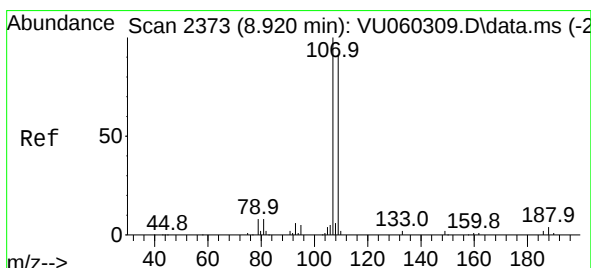
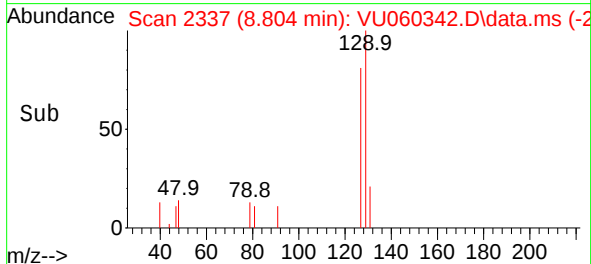
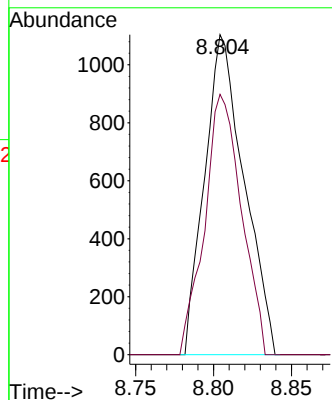
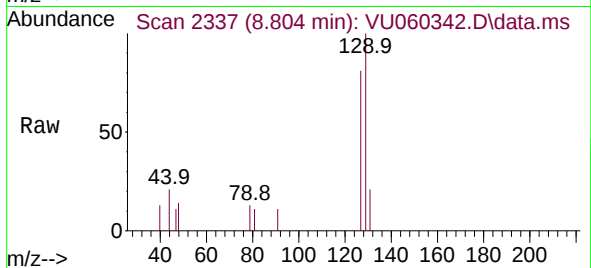
ClientSampleId :

Tgt Ion:129 Resp: 1947

Ion Ratio Lower Upper

129 100

127 75.9 61.6 92.4



#56

1,2-Dibromoethane

Concen: 0.240 ug/l

RT: 8.923 min Scan# 2374

Delta R.T. 0.003 min

Lab File: VU060342.D

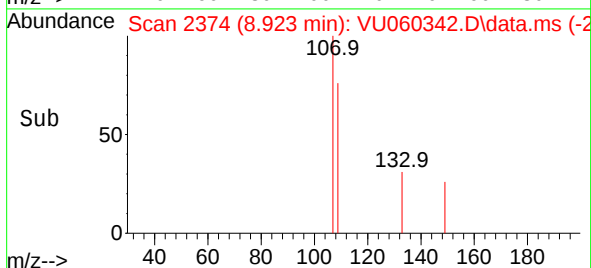
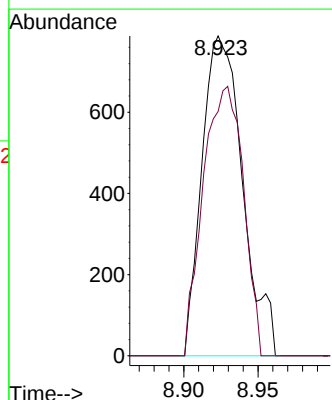
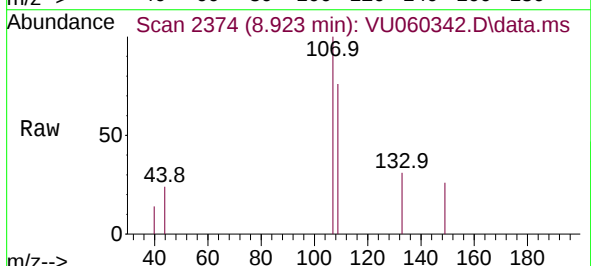
Acq: 07 Aug 2024 17:36

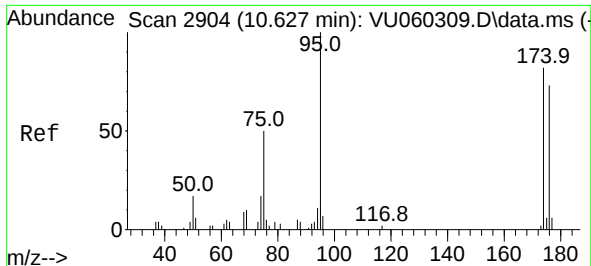
Tgt Ion:107 Resp: 1501

Ion Ratio Lower Upper

107 100

109 83.0 0.0 184.0





#57

4-Bromofluorobenzene

Concen: 0.882 ug/l

RT: 10.634 min Scan# 2906

Delta R.T. 0.006 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

ClientSampleId :

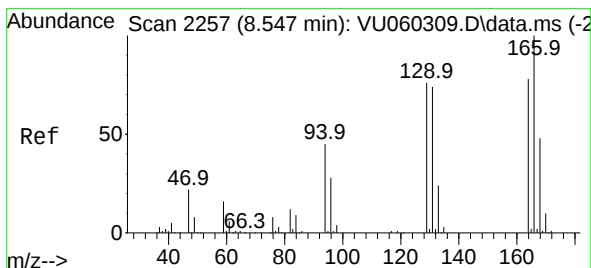
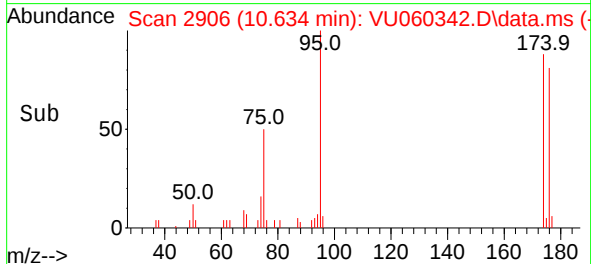
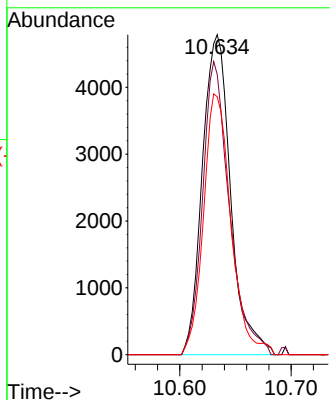
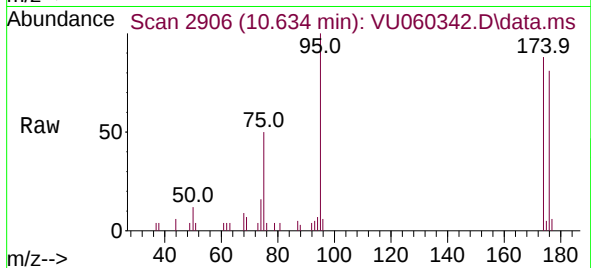
Tgt Ion: 95 Resp: 8445

Ion Ratio Lower Upper

95 100

174 86.8 65.6 98.4

176 79.0 60.4 90.6



#58

Tetrachloroethene

Concen: 0.294 ug/l

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Tgt Ion: 164 Resp: 2257

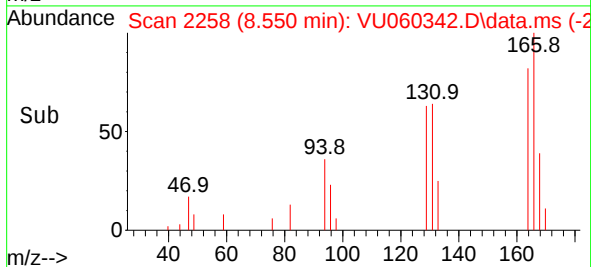
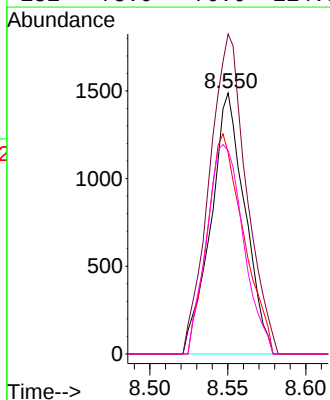
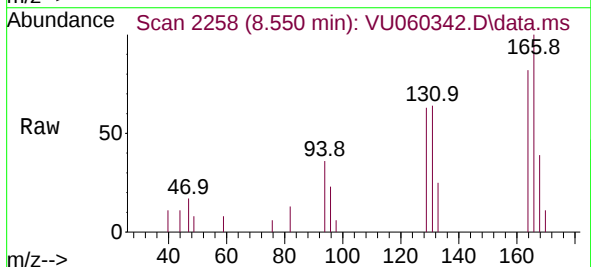
Ion Ratio Lower Upper

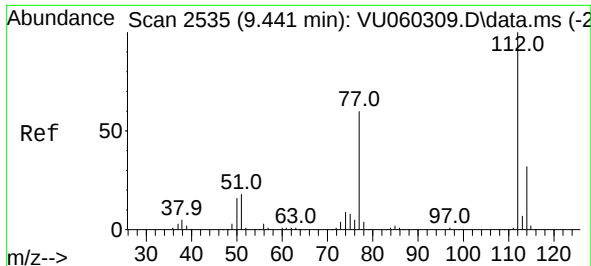
164 100

166 122.6 102.9 154.3

129 77.1 78.0 117.0#

131 78.0 76.6 114.8





#59

Chlorobenzene

Concen: 0.245 ug/l

RT: 9.450 min Scan# 2535

Delta R.T. 0.009 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

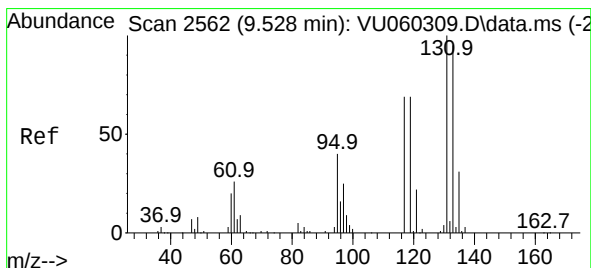
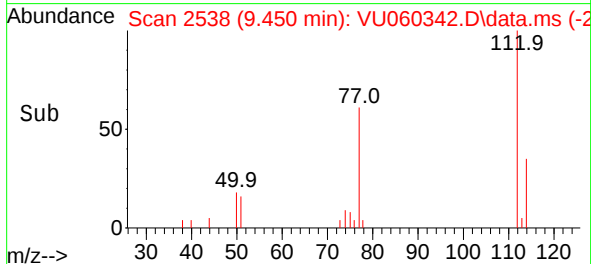
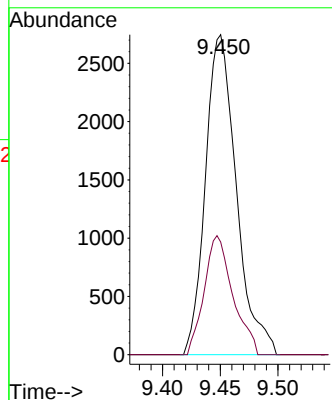
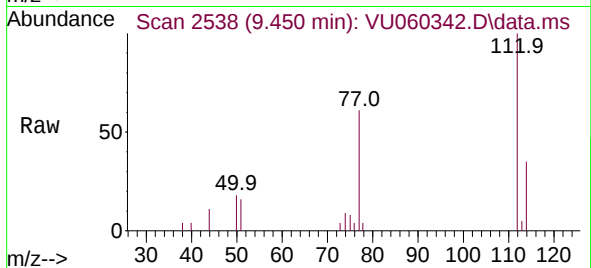
ClientSampleId :

Tgt Ion:112 Resp: 5107

Ion Ratio Lower Upper

112 100

114 35.2 25.3 37.9



#60

1,1,1,2-Tetrachloroethane

Concen: 0.265 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

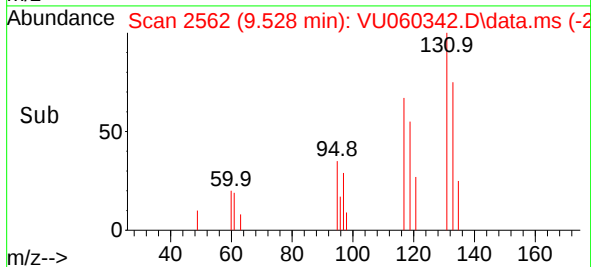
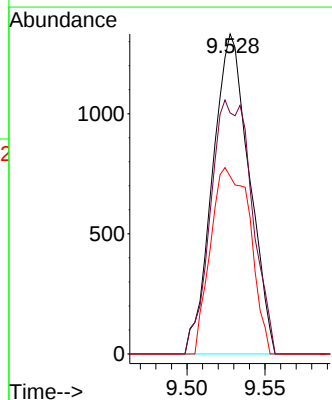
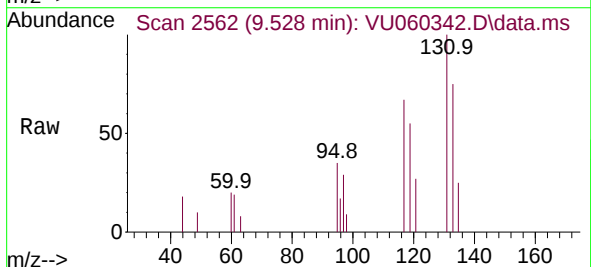
Tgt Ion:131 Resp: 2176

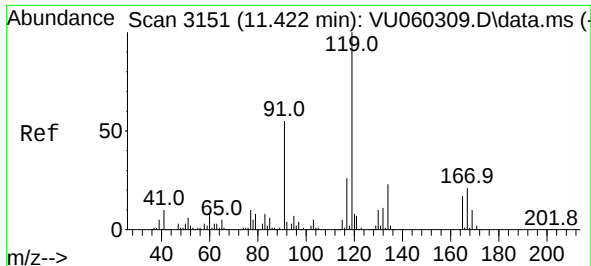
Ion Ratio Lower Upper

131 100

133 89.8 77.2 115.8

119 62.5 55.4 83.2

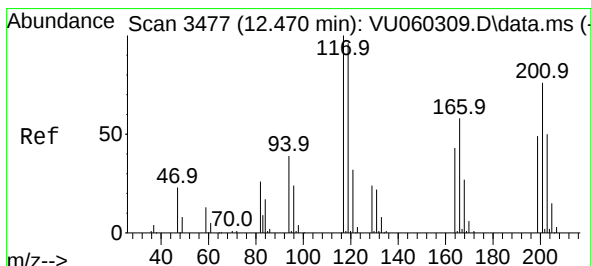
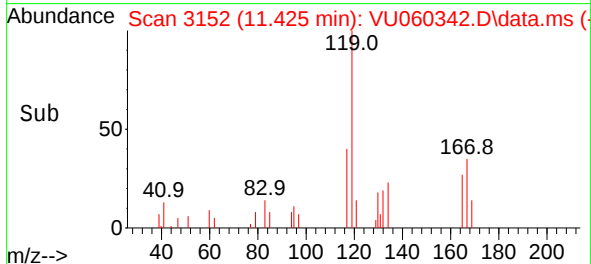
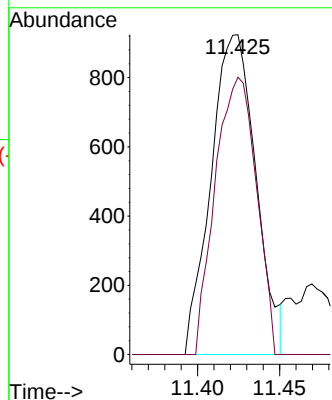
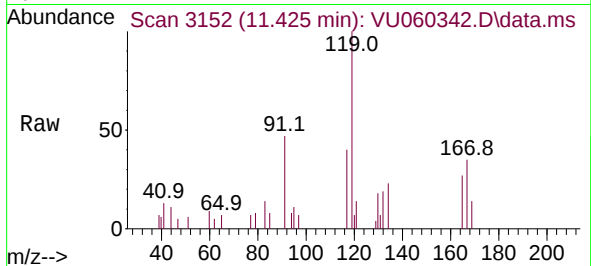




#61
Pentachloroethane
Concen: 0.250 ug/l
RT: 11.425 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

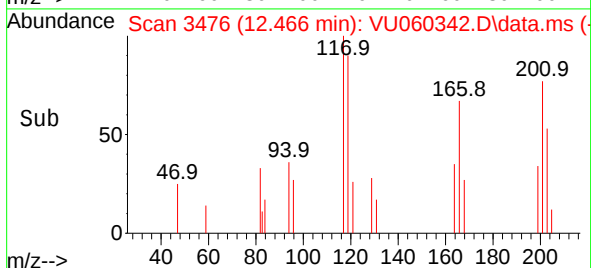
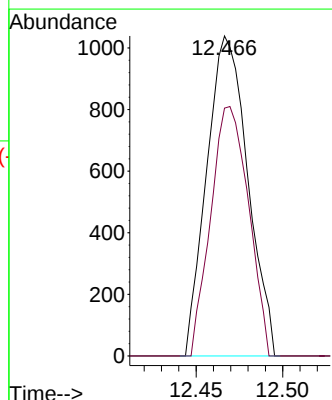
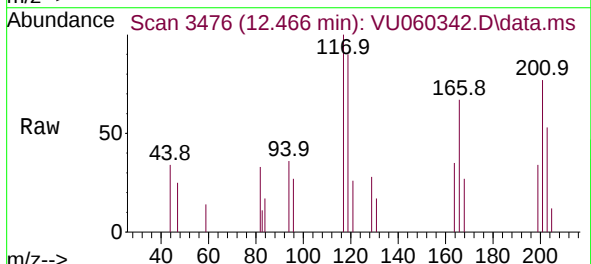
Instrument :
MSVOA_U
ClientSampleId :

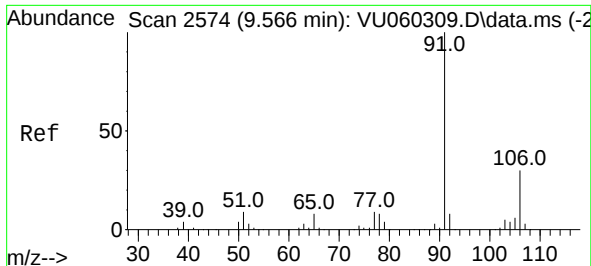
Tgt Ion:117 Resp: 1758
Ion Ratio Lower Upper
117 100
167 79.4 62.2 93.4



#62
Hexachloroethane
Concen: 0.252 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. -0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion:117 Resp: 1713
Ion Ratio Lower Upper
117 100
201 71.7 62.7 94.1





#63

Ethyl Benzene

Concen: 0.663 ug/l

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

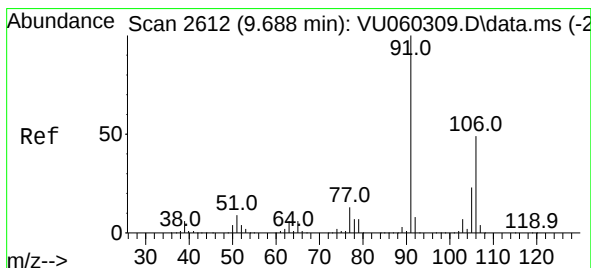
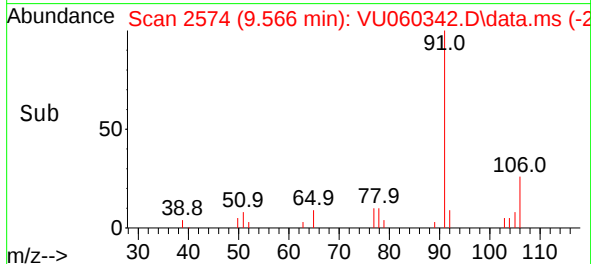
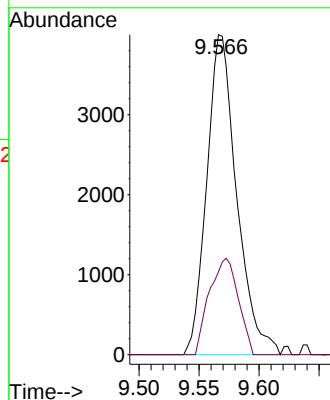
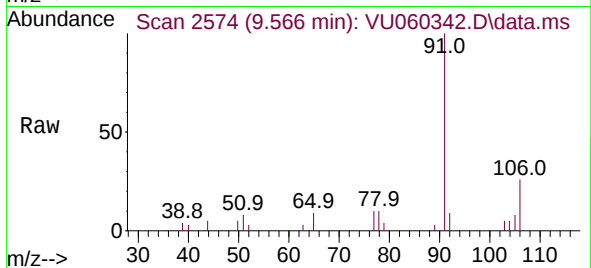
ClientSampleId :

Tgt Ion: 91 Resp: 6944

Ion Ratio Lower Upper

91 100

106 25.9 24.4 36.6



#64

m/p-Xylenes

Concen: 1.199 ug/l

RT: 9.692 min Scan# 2613

Delta R.T. 0.004 min

Lab File: VU060342.D

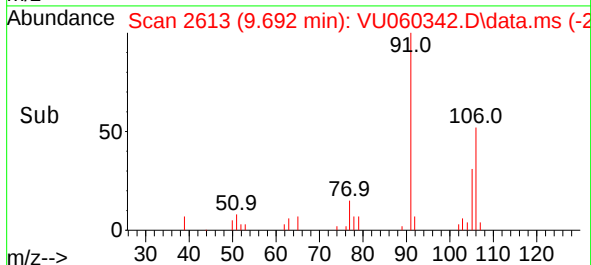
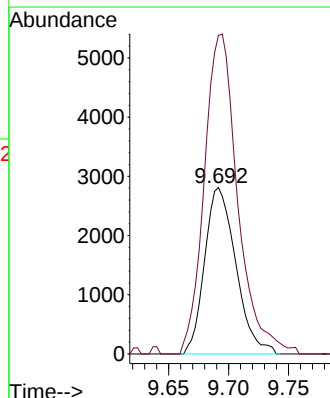
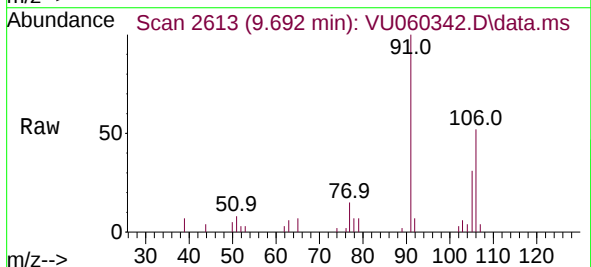
Acq: 07 Aug 2024 17:36

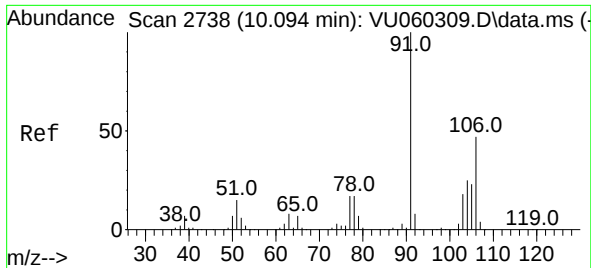
Tgt Ion:106 Resp: 5090

Ion Ratio Lower Upper

106 100

91 206.1 165.0 247.4

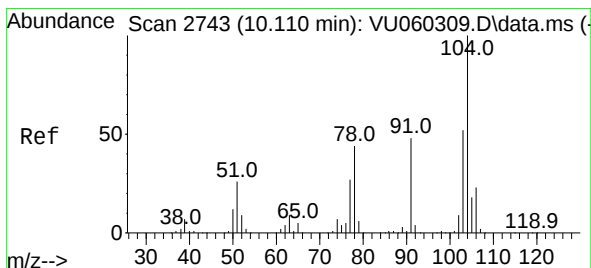
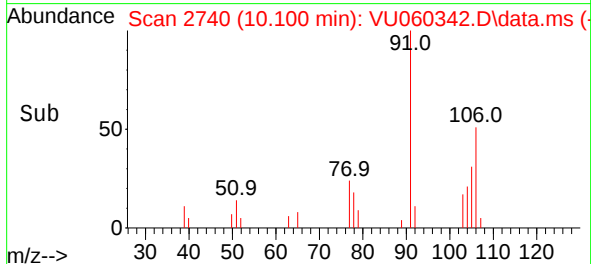
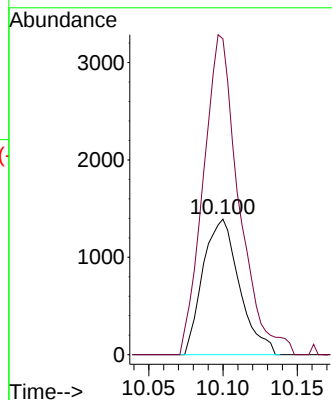
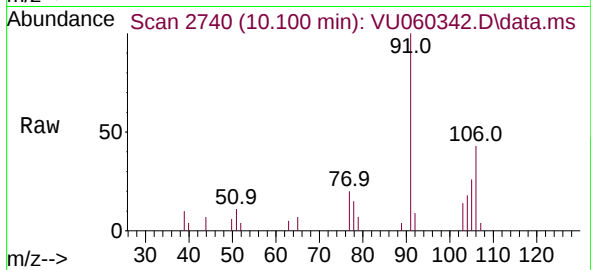




#65
o-Xylene
Concen: 0.592 ug/l
RT: 10.100 min Scan# 2738
Delta R.T. 0.006 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

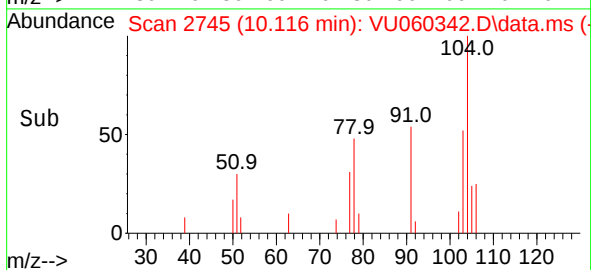
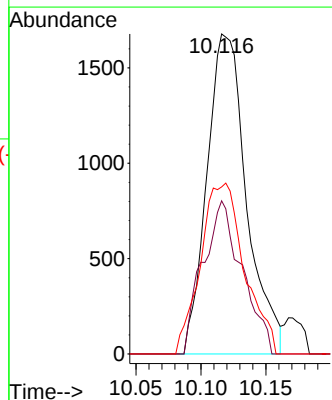
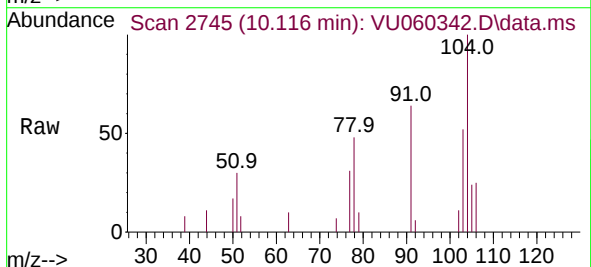
Instrument :
MSVOA_U
ClientSampleId :

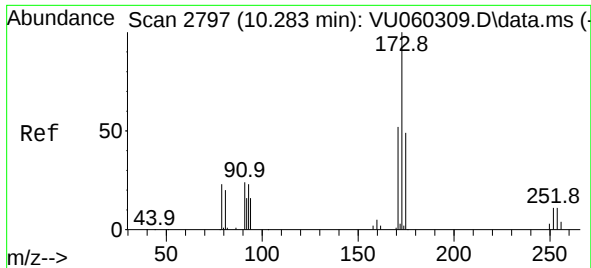
Tgt Ion:106 Resp: 2379
Ion Ratio Lower Upper
106 100
91 230.3 108.8 326.4



#66
Styrene
Concen: 0.600 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.006 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion:104 Resp: 3555
Ion Ratio Lower Upper
104 100
78 47.6 39.0 58.6
103 59.3 45.0 67.6

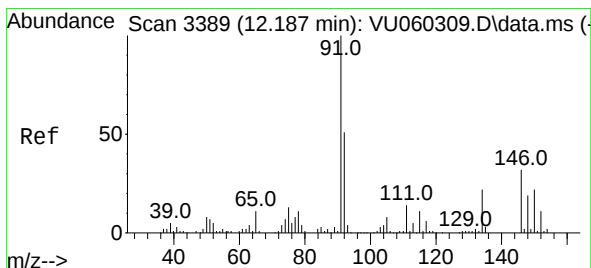
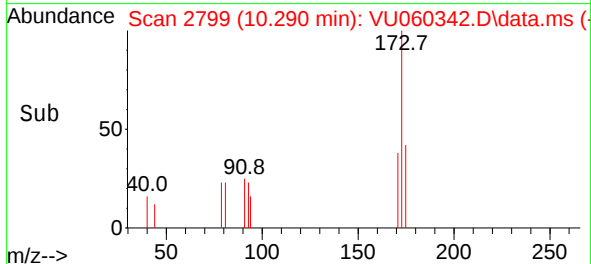
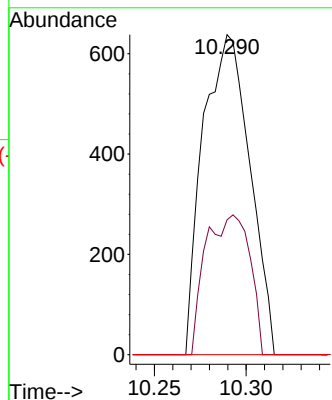
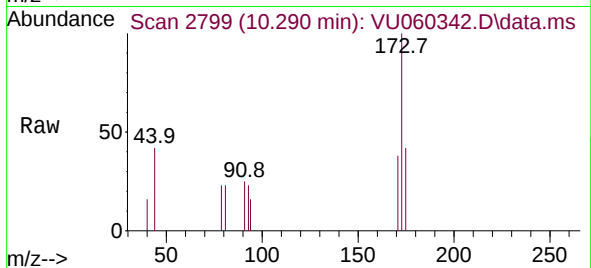




#67
Bromoform
Concen: 0.252 ug/l
RT: 10.290 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

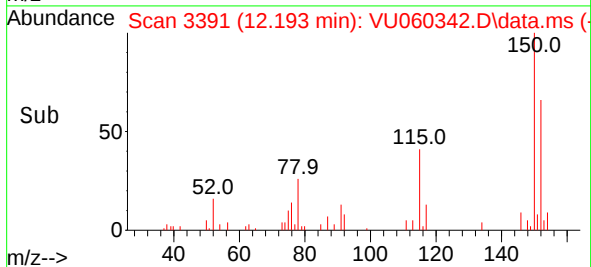
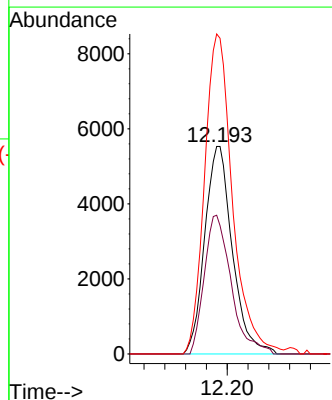
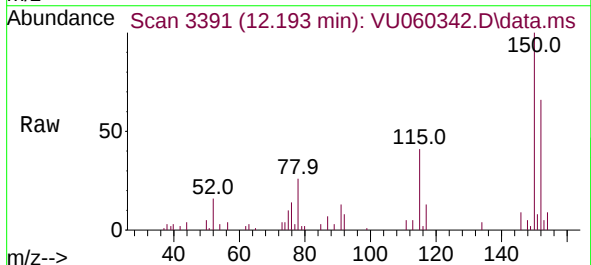
Instrument :
MSVOA_U
ClientSampleId :

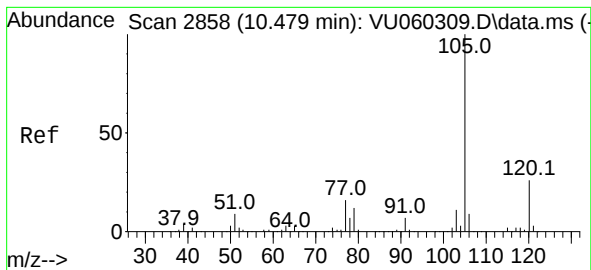
Tgt Ion:173 Resp: 1130
Ion Ratio Lower Upper
173 100
175 41.4 39.7 59.5
254 0.0 8.2 12.4#



#68
1,2-Dichlorobenzene-d4
Concen: 0.979 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.006 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion:152 Resp: 10191
Ion Ratio Lower Upper
152 100
115 65.2 0.0 325.2
150 156.2 0.0 684.2





#69

Isopropylbenzene

Concen: 0.631 ug/l

RT: 10.479 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

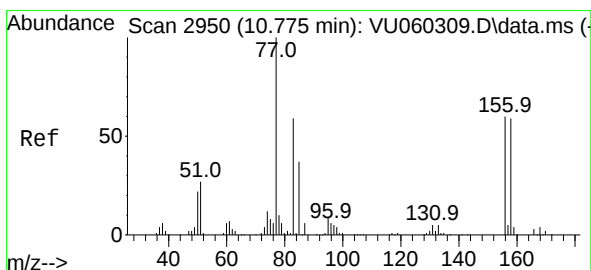
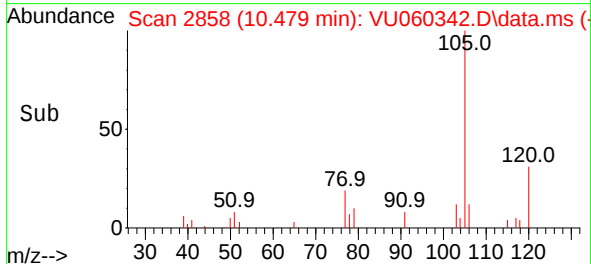
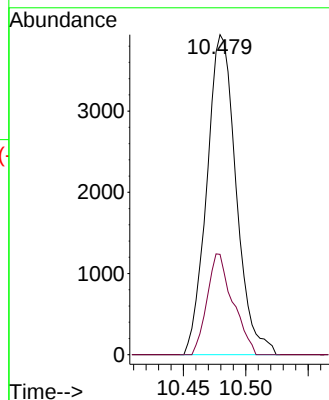
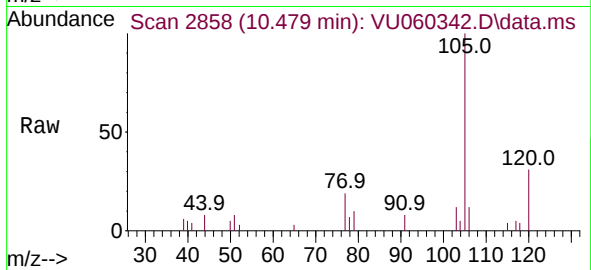
ClientSampleId :

Tgt Ion:105 Resp: 6447

Ion Ratio Lower Upper

105 100

120 27.6 13.0 39.0



#70

1,1,2,2-Tetrachloroethane

Concen: 0.234 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

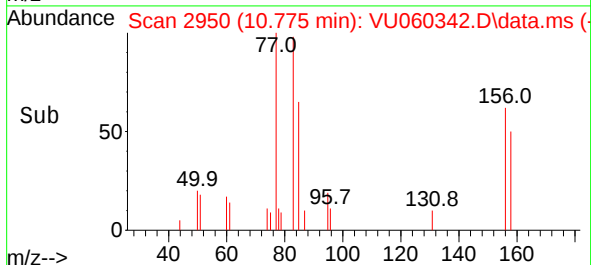
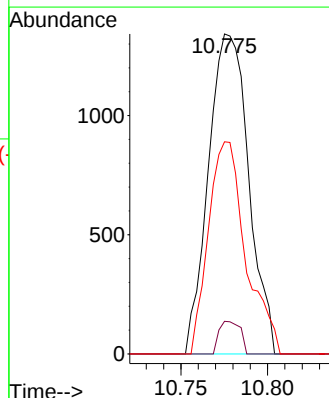
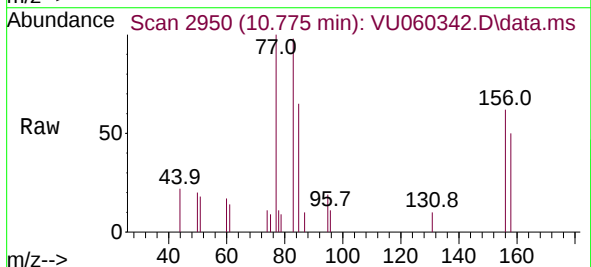
Tgt Ion: 83 Resp: 2170

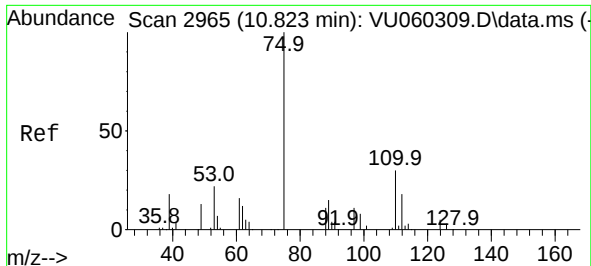
Ion Ratio Lower Upper

83 100

131 5.4 7.1 10.7#

85 61.5 50.9 76.3

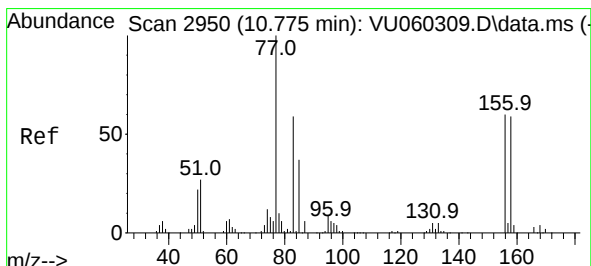
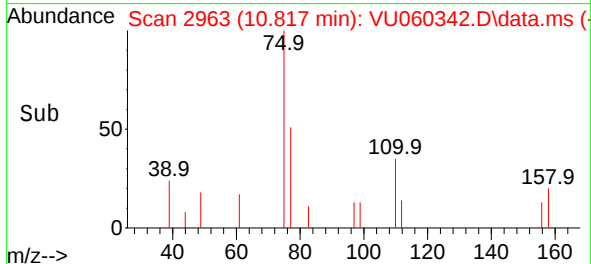
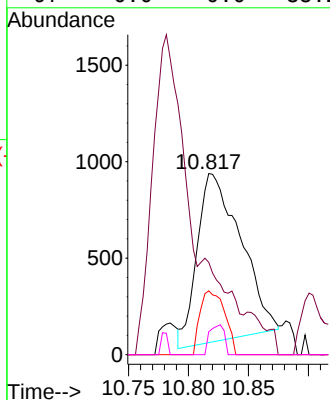
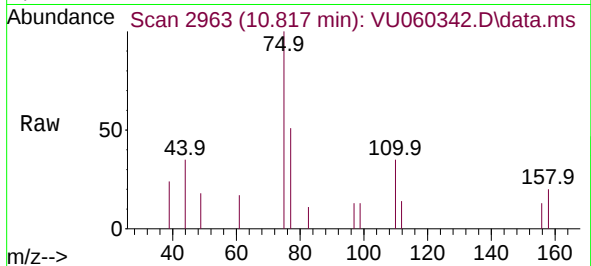




#71
1,2,3-Trichloropropane
Concen: 0.319 ug/l
RT: 10.817 min Scan# 2963
Delta R.T. -0.007 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

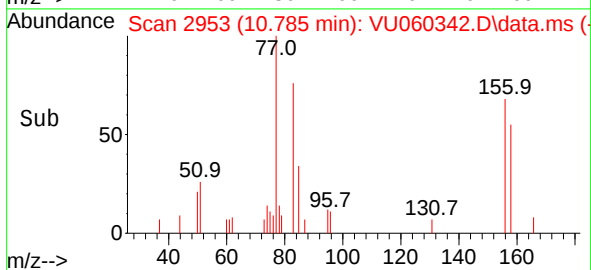
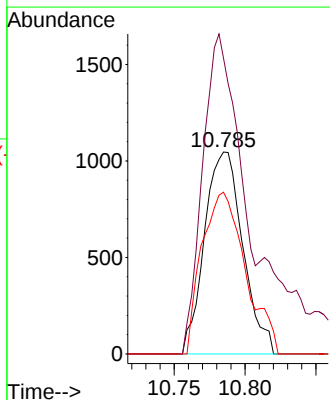
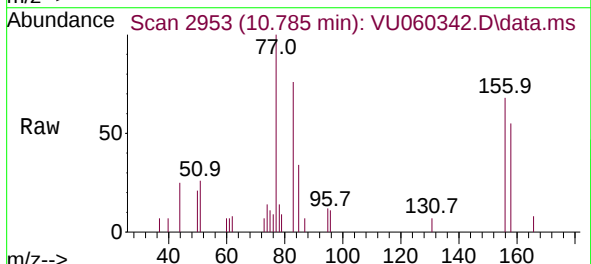
Instrument :
MSVOA_U
ClientSampleId :

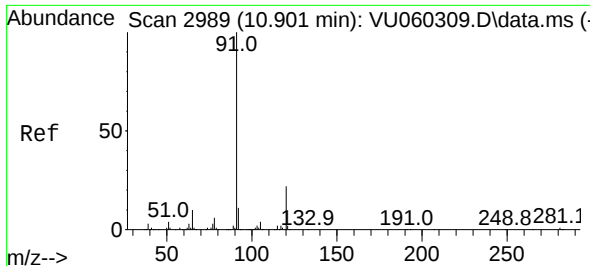
Tgt Ion: 75	Resp:	2197
Ion Ratio	Lower	Upper
75	100	
77	19.8	0.0 102.2
110	21.4	0.0 67.4
97	6.0	0.0 38.2



#72
Bromobenzene
Concen: 0.229 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.009 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 156	Resp:	1966
Ion Ratio	Lower	Upper
156	100	
77	158.5	0.0 327.2
158	90.8	0.0 193.8

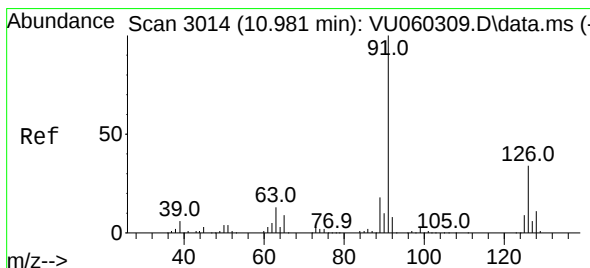
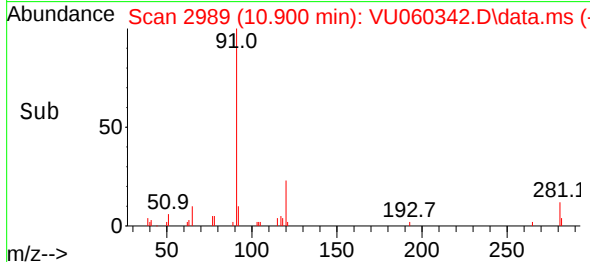
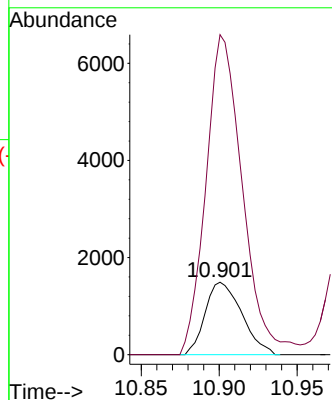
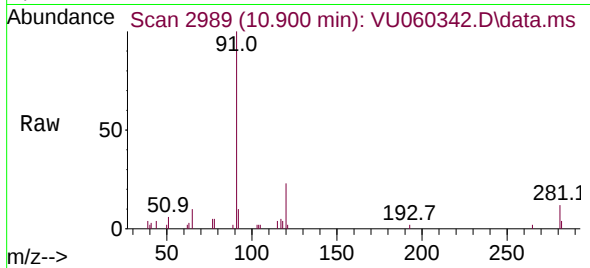




#73
n-propylbenzene
Concen: 0.693 ug/l
RT: 10.900 min Scan# 2989
Delta R.T. -0.001 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

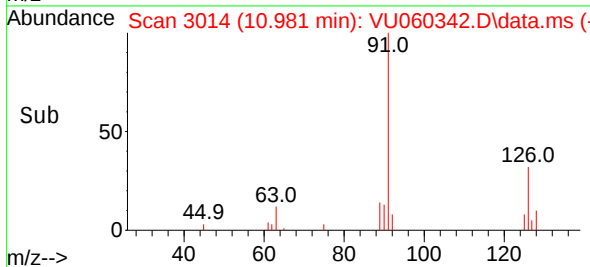
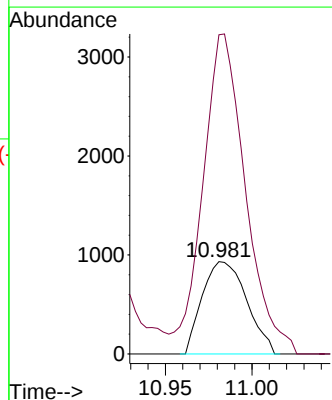
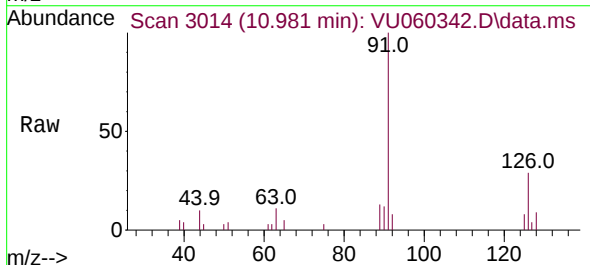
Instrument :
MSVOA_U
ClientSampleId :

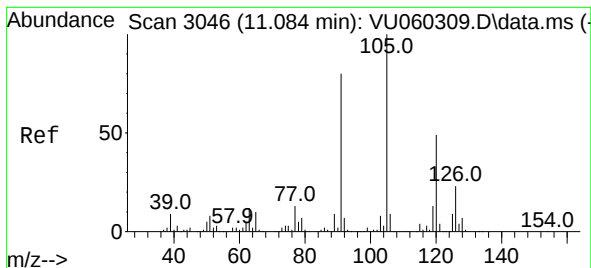
Tgt Ion:120 Resp: 2437
Ion Ratio Lower Upper
120 100
91 440.9 362.2 543.2



#74
2-Chlorotoluene
Concen: 0.477 ug/l
RT: 10.981 min Scan# 3014
Delta R.T. -0.000 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

Tgt Ion:126 Resp: 1662
Ion Ratio Lower Upper
126 100
91 332.5 0.0 585.6





#75

1,3,5-Trimethylbenzene

Concen: 0.600 ug/l

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

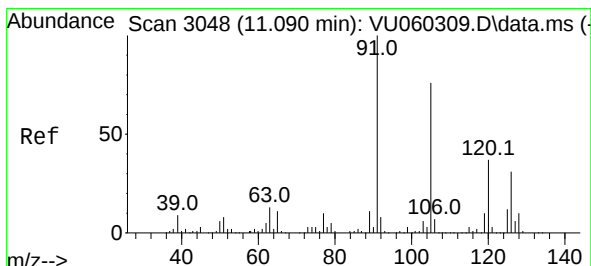
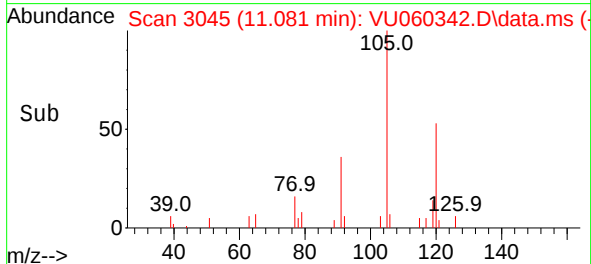
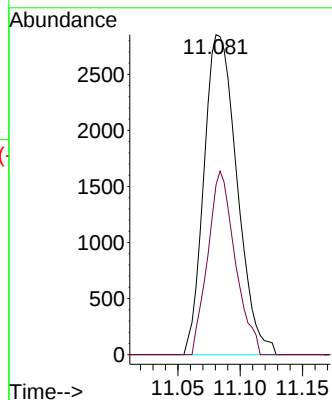
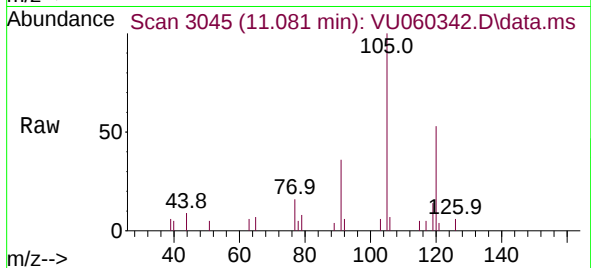
ClientSampleId :

Tgt Ion:105 Resp: 5271

Ion Ratio Lower Upper

105 100

120 47.4 38.6 57.8



#76

4-Chlorotoluene

Concen: 0.493 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.007 min

Lab File: VU060342.D

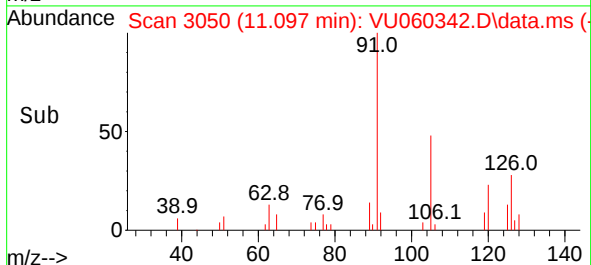
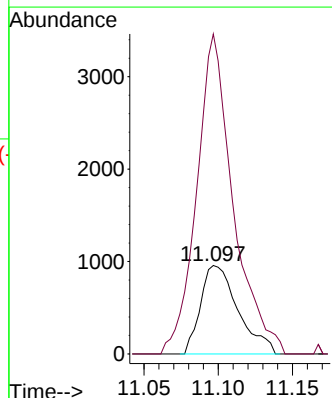
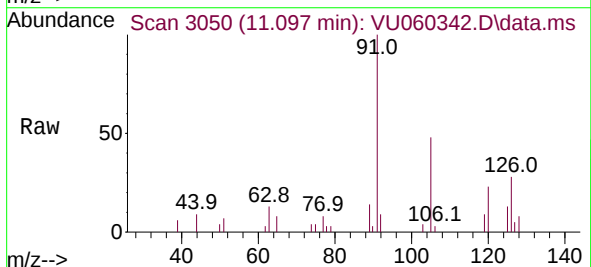
Acq: 07 Aug 2024 17:36

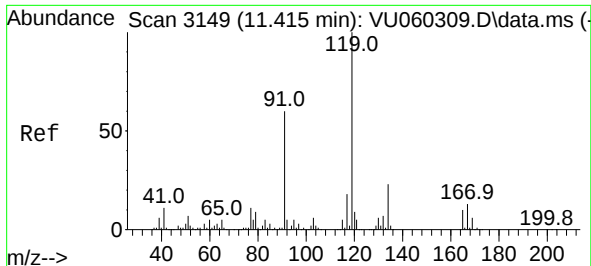
Tgt Ion:126 Resp: 1686

Ion Ratio Lower Upper

126 100

91 350.9 0.0 669.4





#77

tert-Butylbenzene

Concen: 0.610 ug/l

RT: 11.415 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU060342.D

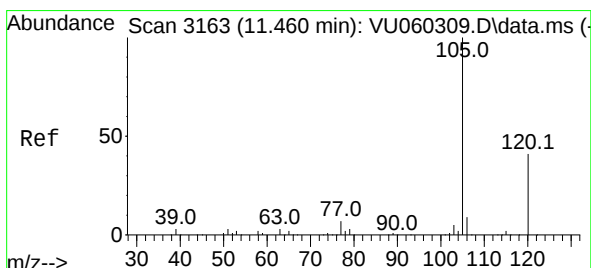
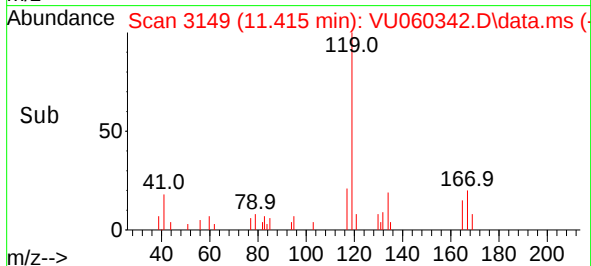
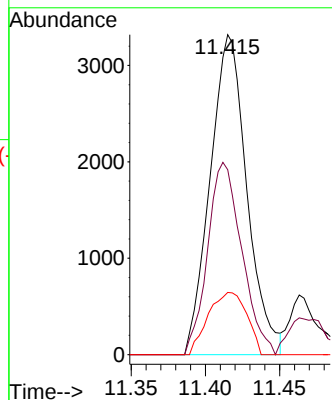
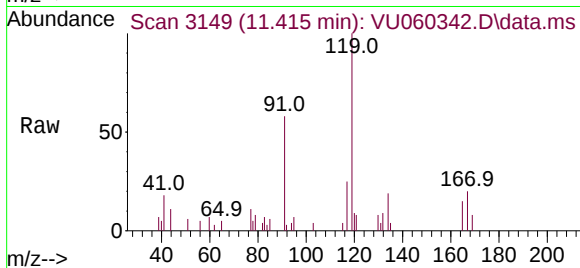
Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:119	Resp:	5706
Ion Ratio	Lower	Upper
119	100	
91	56.0	29.0 87.1
134	20.4	17.8 26.8



#78

1,2,4-Trimethylbenzene

Concen: 0.625 ug/l

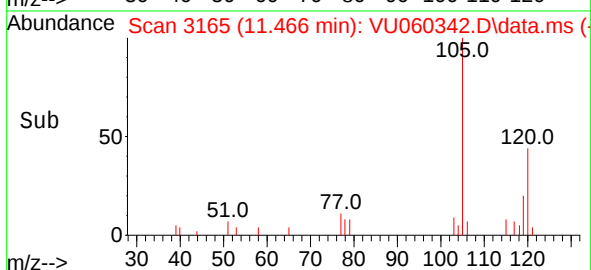
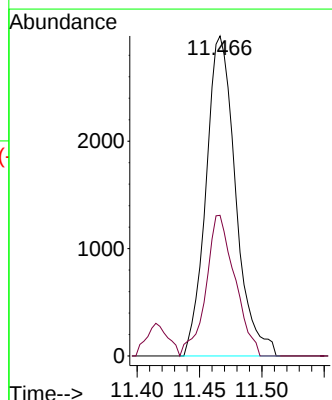
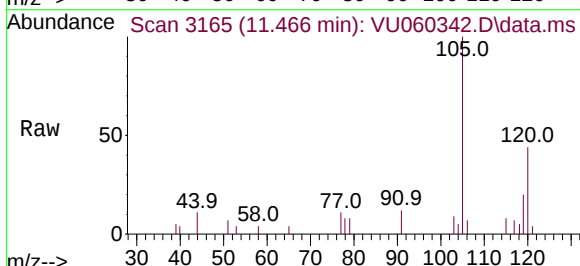
RT: 11.466 min Scan# 3165

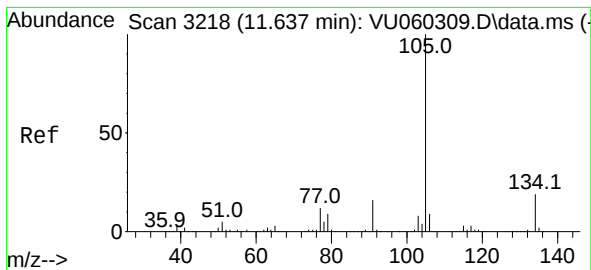
Delta R.T. 0.006 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Tgt Ion:105	Resp:	4924
Ion Ratio	Lower	Upper
105	100	
120	42.9	22.6 67.7





#79

sec-Butylbenzene

Concen: 0.593 ug/l

RT: 11.640 min Scan# 3218

Delta R.T. 0.003 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

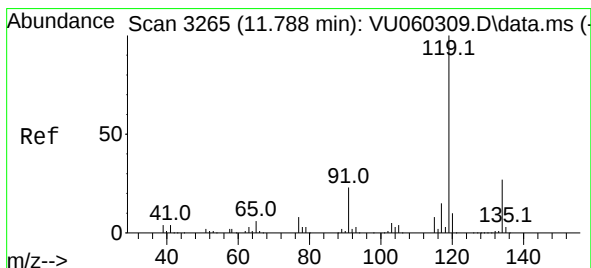
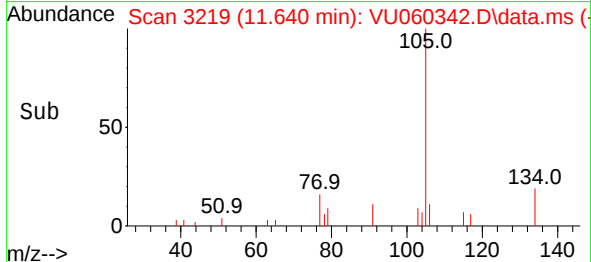
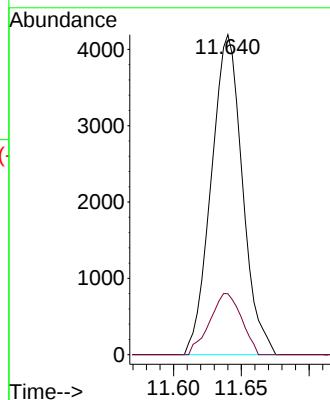
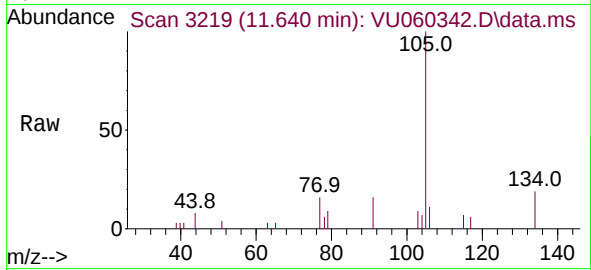
ClientSampleId :

Tgt Ion:105 Resp: 6715

Ion Ratio Lower Upper

105 100

134 19.4 15.5 23.3



#81

p-Isopropyltoluene

Concen: 0.656 ug/l

RT: 11.788 min Scan# 3265

Delta R.T. -0.000 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

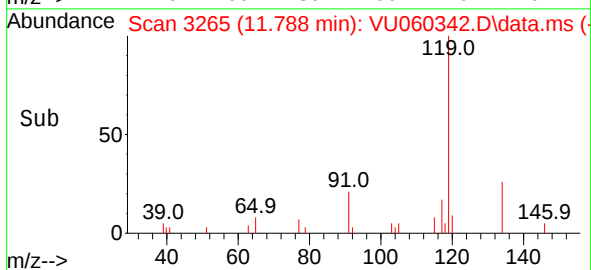
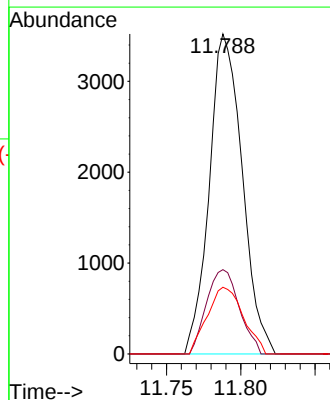
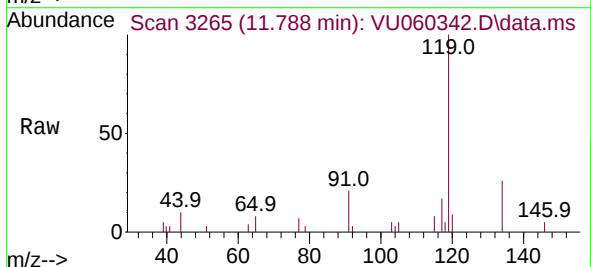
Tgt Ion:119 Resp: 5429

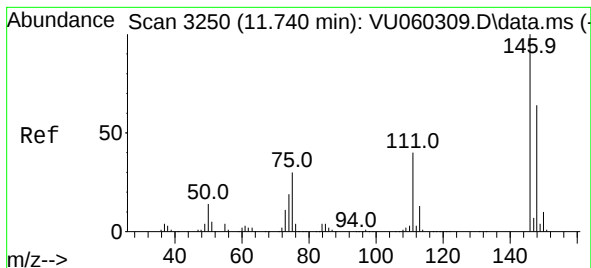
Ion Ratio Lower Upper

119 100

134 26.2 21.2 31.8

91 22.8 18.9 28.3





#82

1,3-Dichlorobenzene

Concen: 0.256 ug/l

RT: 11.746 min Scan# 31

Delta R.T. 0.006 min

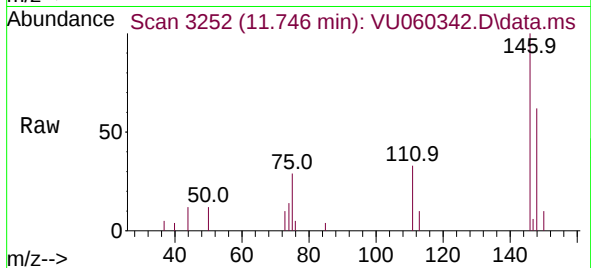
Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

ClientSampleId :



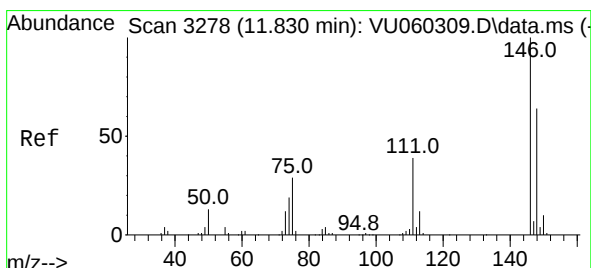
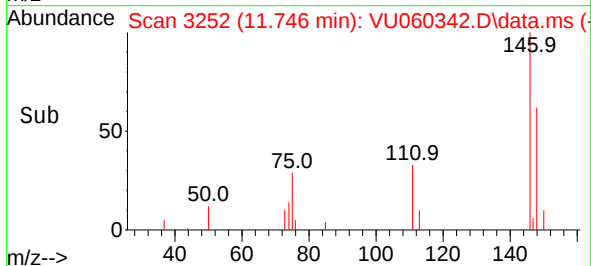
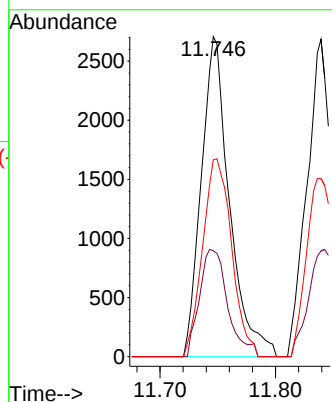
Tgt Ion:146 Resp: 4582

Ion Ratio Lower Upper

146 100

111 33.5 32.0 48.0

148 63.7 51.4 77.0



#83

1,4-Dichlorobenzene

Concen: 0.257 ug/l

RT: 11.839 min Scan# 3281

Delta R.T. 0.009 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

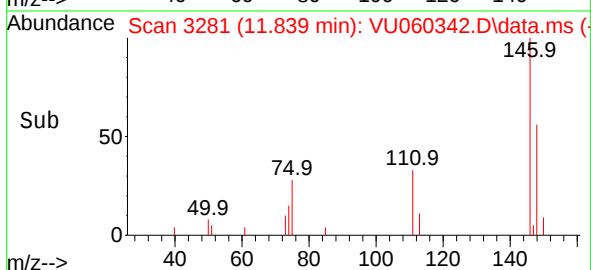
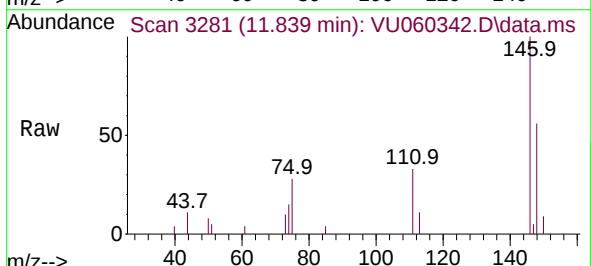
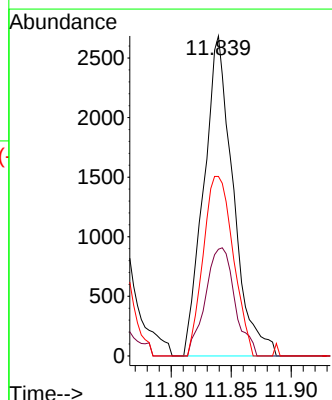
Tgt Ion:146 Resp: 4566

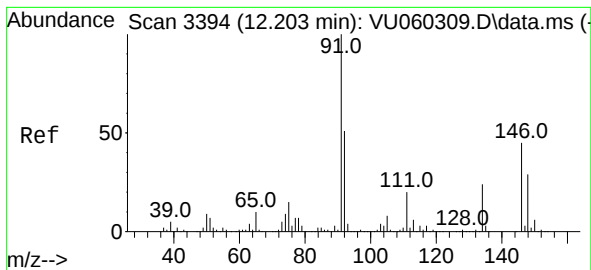
Ion Ratio Lower Upper

146 100

111 33.7 30.9 46.3

148 57.1 51.8 77.6





#84

n-Butylbenzene

Concen: 0.657 ug/l

RT: 12.209 min Scan# 3396

Delta R.T. 0.006 min

Lab File: VU060342.D

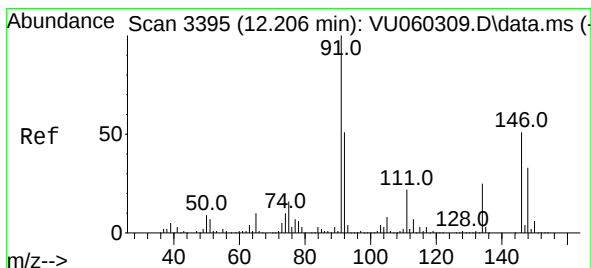
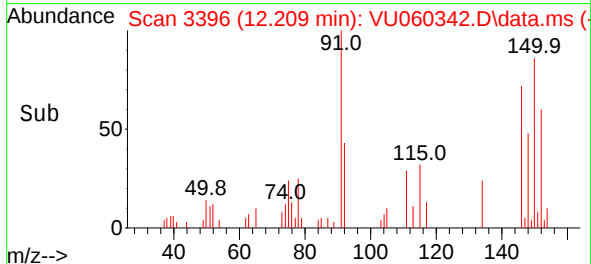
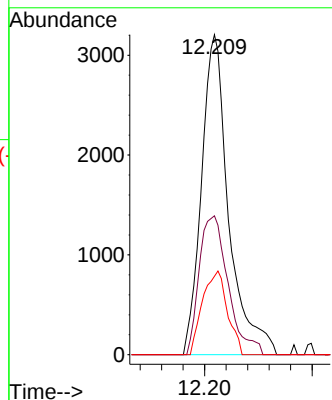
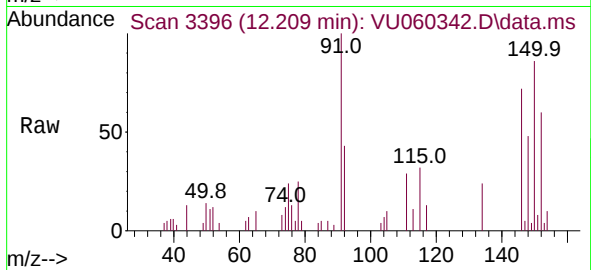
Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 91	Resp: 5625
Ion Ratio	Lower Upper
91	100
92	46.1 41.0 61.6
134	23.9 19.4 29.2



#85

1,2-Dichlorobenzene

Concen: 0.236 ug/l

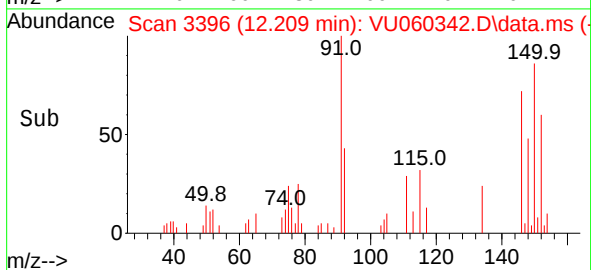
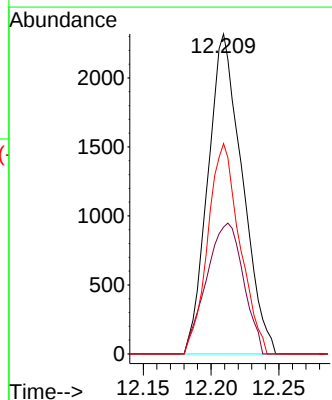
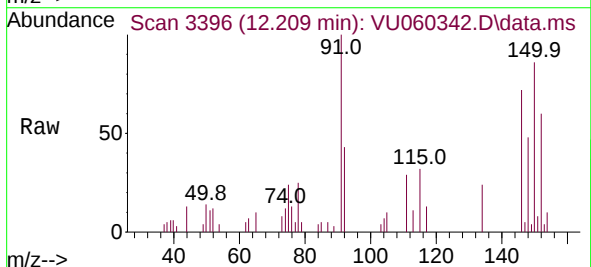
RT: 12.209 min Scan# 3396

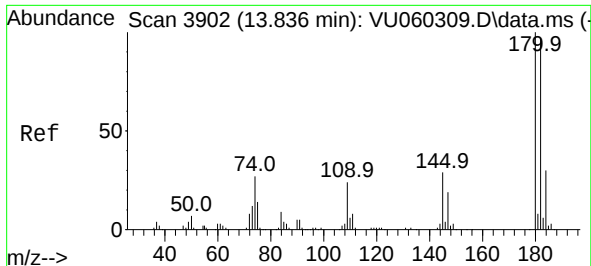
Delta R.T. 0.003 min

Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

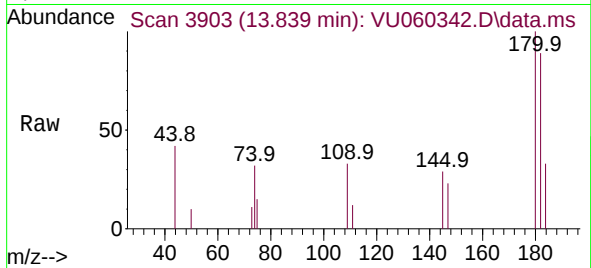
Tgt Ion: 146	Resp: 4072
Ion Ratio	Lower Upper
146	100
111	44.0 21.3 63.7
148	61.4 32.0 96.0



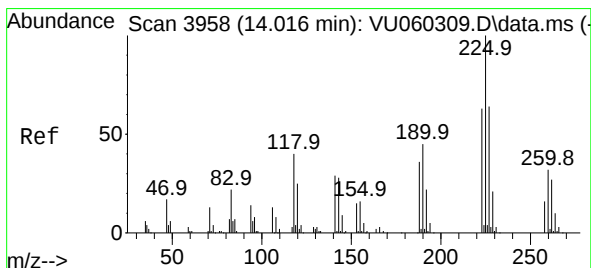
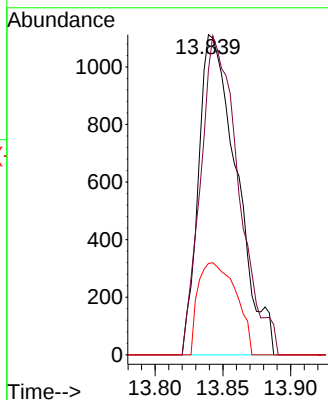
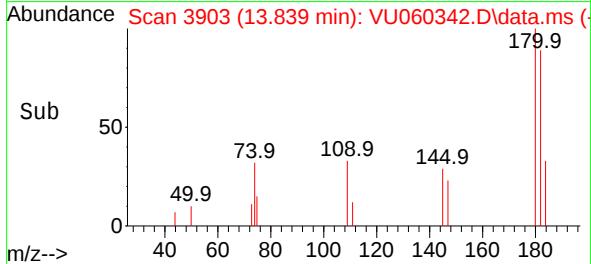


#87
1,2,4-Trichlorobenzene
Concen: 0.220 ug/l
RT: 13.839 min Scan# 3903
Delta R.T. 0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36

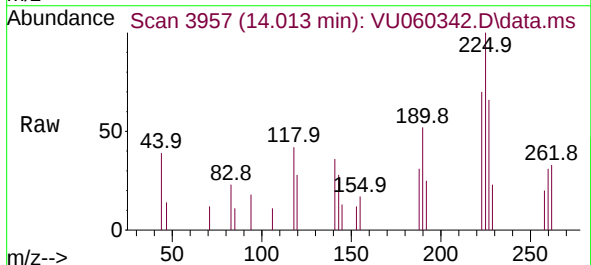
Instrument :
MSVOA_U
ClientSampleId :



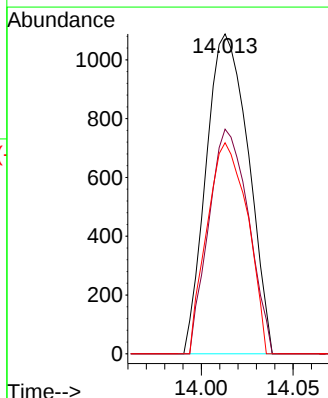
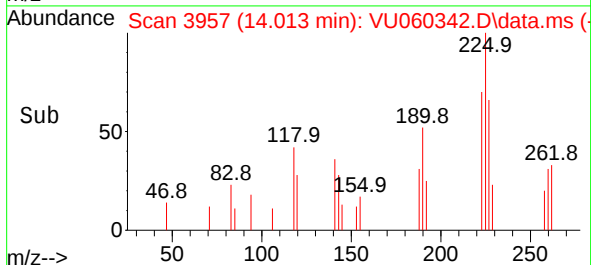
Tgt Ion:180 Resp: 2177
Ion Ratio Lower Upper
180 100
182 99.7 76.8 115.2
145 28.4 23.4 35.0

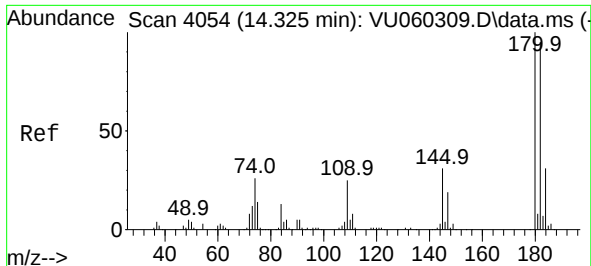


#88
Hexachlorobutadiene
Concen: 0.272 ug/l
RT: 14.013 min Scan# 3957
Delta R.T. -0.003 min
Lab File: VU060342.D
Acq: 07 Aug 2024 17:36



Tgt Ion:225 Resp: 1739
Ion Ratio Lower Upper
225 100
223 66.2 50.8 76.2
227 63.3 50.8 76.2





#90

1,2,3-Trichlorobenzene

Concen: 0.238 ug/l

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

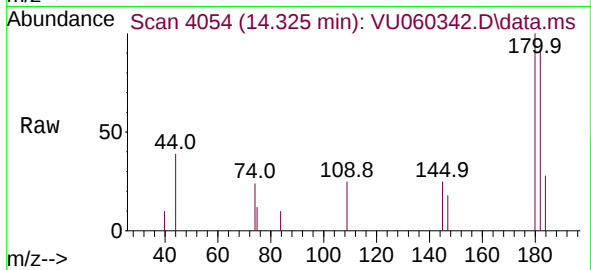
Lab File: VU060342.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	180	Resp:	2294
Ion Ratio	Lower	Upper	
180	100		
182	92.7	76.1	114.1
145	20.5	25.0	37.6#

