

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072125\
 Data File : VU063551.D
 Acq On : 21 Jul 2025 16:42
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Quant Time: Jul 22 04:37:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 22 04:23:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.097	96	22003	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	6237	0.749	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	6003	0.779	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	2671	0.412	ug/l	93
3) Chloromethane	1.518	50	2805	0.465	ug/l	96
4) Vinyl Chloride	1.599	62	3439	0.448	ug/l	92
5) Bromomethane	1.846	94	3363	0.581	ug/l	89
6) Chloroethane	1.924	64	2428	0.524	ug/l	95
7) Trichlorofluoromethane	2.129	101	5044	0.457	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	2727	0.473	ug/l	99
9) 1,1-Dichloroethene	2.567	96	2585	0.453	ug/l	93
10) Iodomethane	2.715	142	1182	0.171	ug/l	99
11) Allyl Chloride	2.907	41	3882	0.470	ug/l	95
12) Acrylonitrile	3.306	53	1623	1.136	ug/l	# 82
13) Acetone	2.621	43	3230	2.822	ug/l	96
14) Carbon Disulfide	2.779	76	6114	0.331	ug/l	100
15) Methylene Chloride	3.030	84	5283	0.786	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	2845	0.439	ug/l	97
17) 1,1-Dichloroethane	3.853	63	5788	0.481	ug/l	97
18) 2-Butanone	4.724	43	4024	2.270	ug/l	78
19) Cyclohexane	5.361	56	4668	0.458	ug/l	96
20) Methylcyclohexane	6.737	83	3840	0.388	ug/l	95
21) 2,2-Dichloropropane	4.650	77	4141	0.404	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	3278	0.466	ug/l	97
23) Diethyl Ether	2.370	59	2109	0.485	ug/l	92
24) tert-Butyl Alcohol	3.190	59	3725	7.089	ug/l	# 77
25) Methyl tert-Butyl Ether	3.358	73	7457	0.500	ug/l	# 83
26) Bromochloromethane	4.956	128	1366	0.465	ug/l	93
27) Chloroform	5.071	83	5869	0.478	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	4591	0.441	ug/l	100
29) 1,1-Dichloropropene	5.505	75	4499	0.466	ug/l	96
30) Carbon Tetrachloride	5.502	117	3334	0.398	ug/l	95
31) Isopropyl Ether	3.991	45	9295	0.512	ug/l	89
32) Ethyl-t-butyl ether	4.499	59	8089	0.482	ug/l	97
33) Tert-Amyl methyl ether	5.939	73	7324	0.502	ug/l	99
34) Propionitrile	4.776	54	1254	2.322	ug/l	# 89
35) Benzene	5.756	78	13176	0.508	ug/l	98
36) 1,2-Dichloroethane	5.782	62	4335	0.538	ug/l	# 92
37) Trichloroethene	6.528	130	2444	0.370	ug/l	92
38) 1,2-Dichloropropane	6.779	63	2420	0.399	ug/l	98
39) Methacrylonitrile	4.972	41	1644	0.685	ug/l	# 74
40) Methyl acrylate	4.853	55	1835	0.523	ug/l	# 75
41) Tetrahydrofuran	5.059	42	1580	1.251	ug/l	# 79
42) 1-Chlorobutane	5.441	56	6226	0.485	ug/l	95
43) Dibromomethane	6.911	93	1228	0.391	ug/l	# 86
44) Bromodichloromethane	7.094	83	2342	0.330	ug/l	93

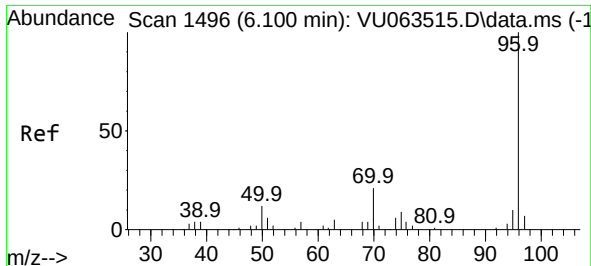
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072125\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 22 04:23:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.804	43	7027	2.169	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.817	75	2504	2.059	ug/l #	50
47) Methyl methacrylate	6.968	69	2062	0.781	ug/l #	90
48) Ethyl methacrylate	8.338	69	1795	0.356	ug/l	99
49) Toluene	7.962	92	5690	0.402	ug/l	96
50) t-1,3-Dichloropropene	8.210	75	1523	0.274	ug/l	97
51) cis-1,3-Dichloropropene	7.599	75	2067	0.277	ug/l #	77
52) 1,1,2-Trichloroethane	8.396	97	1673	0.395	ug/l #	86
53) 1,3-Dichloropropane	8.570	76	3083	0.422	ug/l	94
54) 2-Hexanone	8.698	43	4326	2.011	ug/l	98
55) Dibromochloromethane	8.801	129	1209	0.270	ug/l	88
56) 1,2-Dibromoethane	8.920	107	1517	0.401	ug/l	90
58) Tetrachloroethene	8.541	164	2351	0.388	ug/l	93
59) Chlorobenzene	9.444	112	6175	0.380	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.525	131	1551	0.297	ug/l	92
61) Pentachloroethane	11.418	117	1159	0.314	ug/l	93
62) Hexachloroethane	12.467	117	974	0.266	ug/l	88
63) Ethyl Benzene	9.563	91	10904	0.390	ug/l	98
64) m/p-Xylenes	9.685	106	8373	0.770	ug/l	100
65) o-Xylene	10.094	106	3733	0.357	ug/l	89
66) Styrene	10.113	104	5901	0.354	ug/l	94
67) Bromoform	10.287	173	609	0.265	ug/l #	66
69) Isopropylbenzene	10.476	105	9412	0.373	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.772	83	2097	0.407	ug/l #	98
71) 1,2,3-Trichloropropane	10.817	75	2504	0.599	ug/l #	76
72) Bromobenzene	10.779	156	2445	0.375	ug/l	87
73) n-propylbenzene	10.898	120	2763	0.363	ug/l	83
74) 2-Chlorotoluene	10.981	126	2504	0.373	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	8605	0.357	ug/l	100
76) 4-Chlorotoluene	11.094	126	2655	0.389	ug/l	92
77) tert-Butylbenzene	11.412	119	8855	0.384	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	8603	0.359	ug/l	99
79) sec-Butylbenzene	11.637	105	11576	0.372	ug/l	95
81) p-Isopropyltoluene	11.785	119	8650	0.333	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	5130	0.393	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	5005	0.383	ug/l	99
84) n-Butylbenzene	12.203	91	9075	0.377	ug/l	90
85) 1,2-Dichlorobenzene	12.206	146	4780	0.390	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.991	75	110	0.150	ug/l #	58
87) 1,2,4-Trichlorobenzene	13.839	180	2698	0.354	ug/l	96
88) Hexachlorobutadiene	14.013	225	1717	0.397	ug/l	97
89) Naphthalene	14.090	128	5558	0.407	ug/l #	93
90) 1,2,3-Trichlorobenzene	14.328	180	2735	0.388	ug/l	96

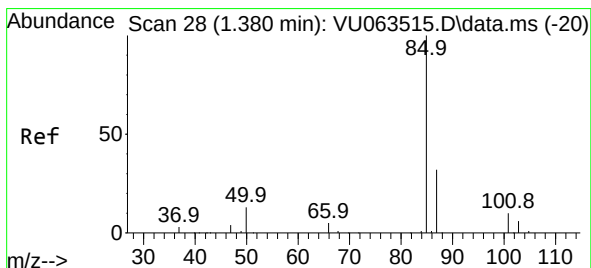
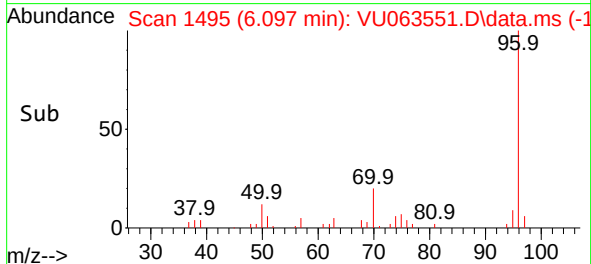
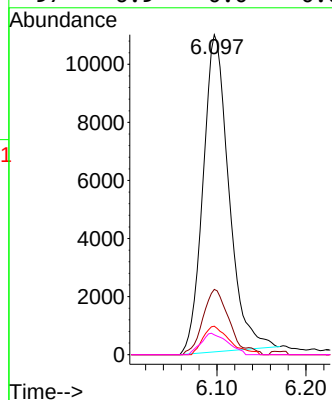
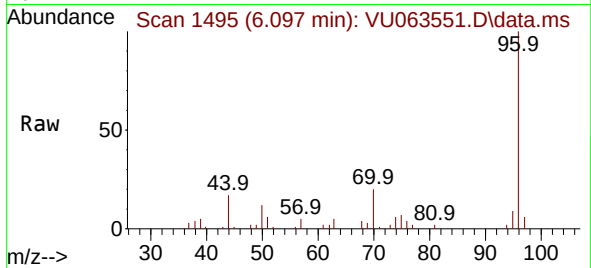
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 14
Delta R.T. -0.003 min
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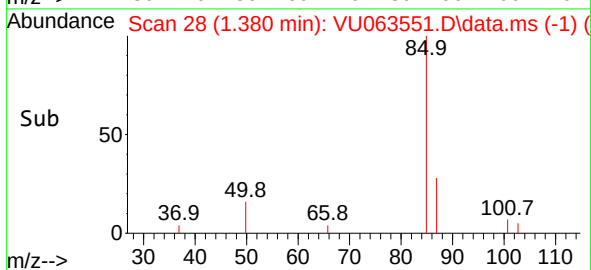
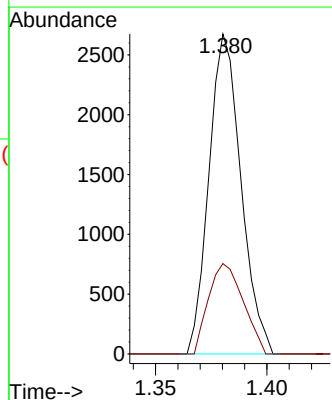
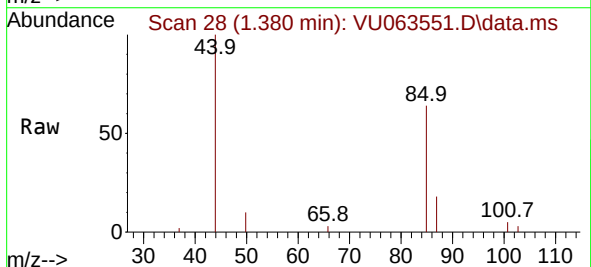
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

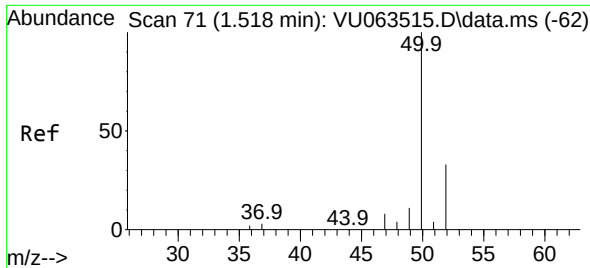
Tgt Ion:	96	Resp:	22003
Ion	Ratio	Lower	Upper
96	100		
70	21.0	15.0	22.4
95	9.2	7.4	11.0
97	6.9	0.0	0.0



#2
Dichlorodifluoromethane
Concen: 0.412 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:	85	Resp:	2671
Ion	Ratio	Lower	Upper
85	100		
87	28.3	16.0	47.9

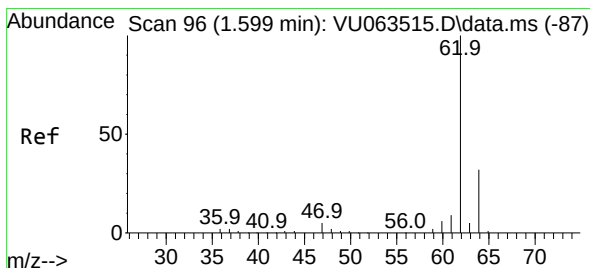
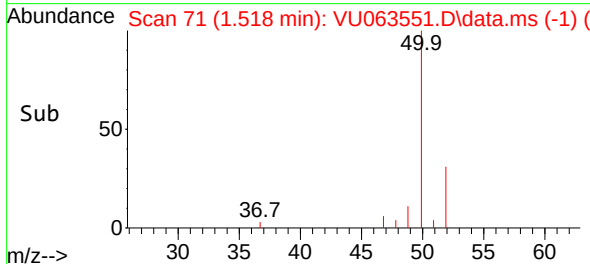
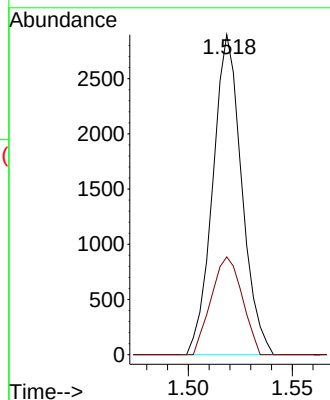
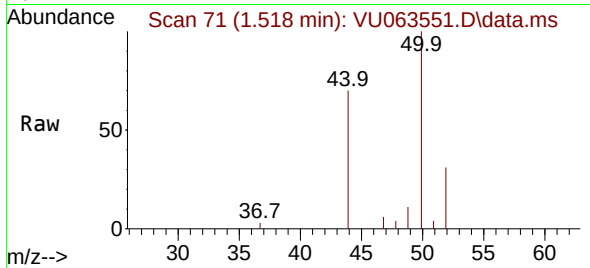




#3
Chloromethane
Concen: 0.465 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

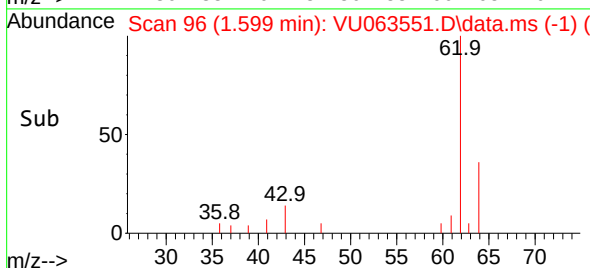
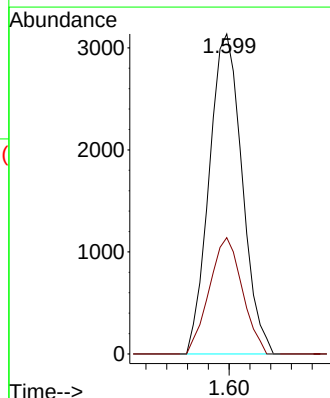
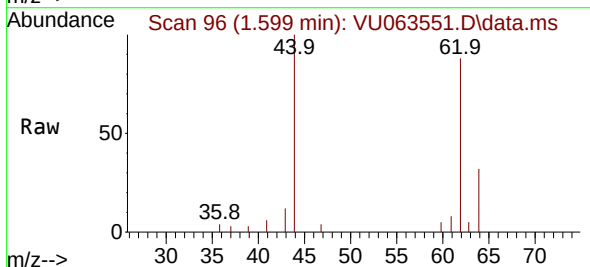
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

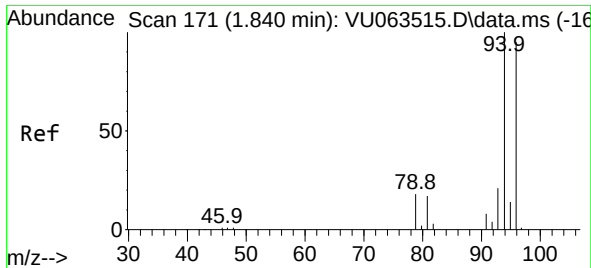
Tgt Ion: 50 Resp: 2805
Ion Ratio Lower Upper
50 100
52 30.6 26.3 39.5



#4
Vinyl Chloride
Concen: 0.448 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 62 Resp: 3439
Ion Ratio Lower Upper
62 100
64 36.4 25.7 38.5

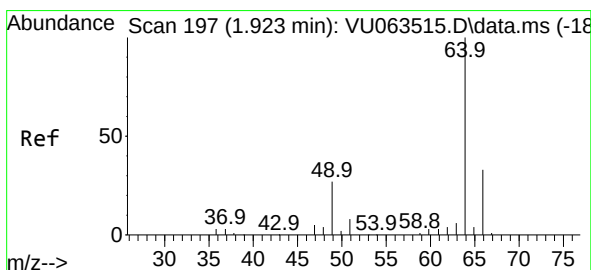
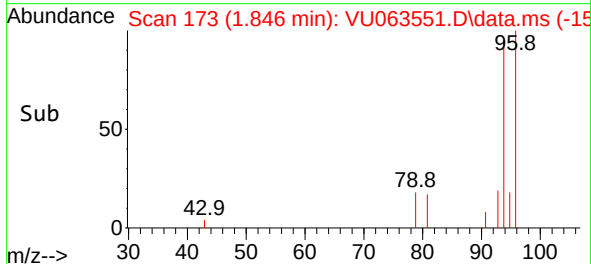
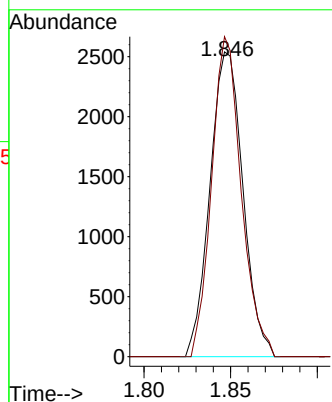
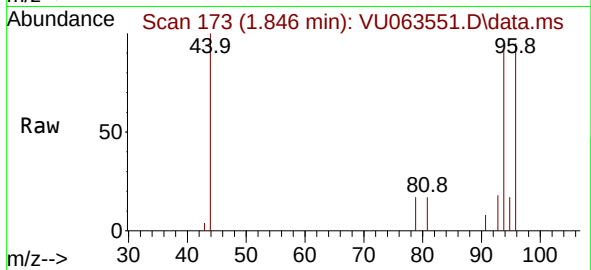




#5
Bromomethane
Concen: 0.581 ug/l
RT: 1.846 min Scan# 171
Delta R.T. 0.007 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

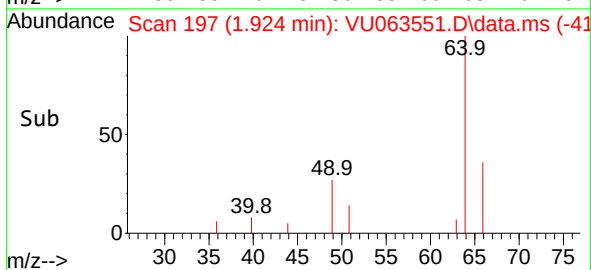
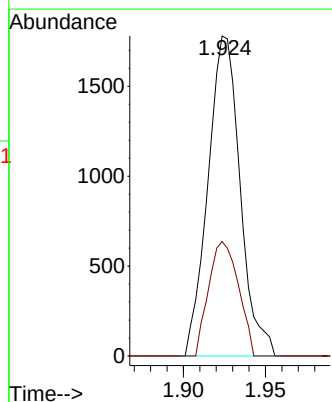
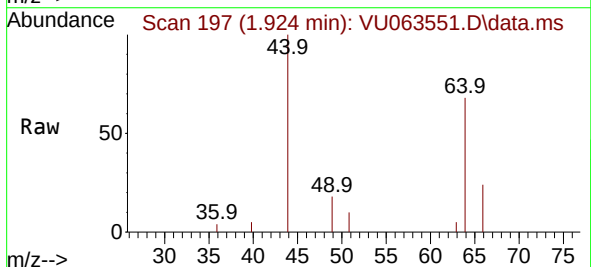
Instrument :
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ClientSampleId :
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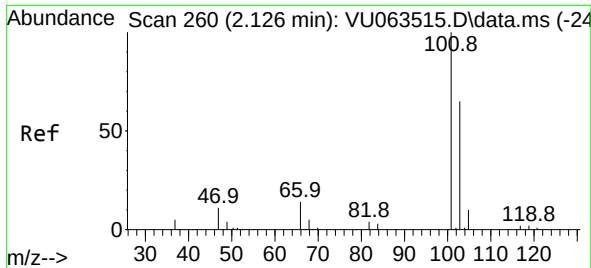
Tgt Ion: 94 Resp: 3363
Ion Ratio Lower Upper
94 100
96 105.0 75.8 113.6



#6
Chloroethane
Concen: 0.524 ug/l
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 64 Resp: 2428
Ion Ratio Lower Upper
64 100
66 35.8 26.2 39.4

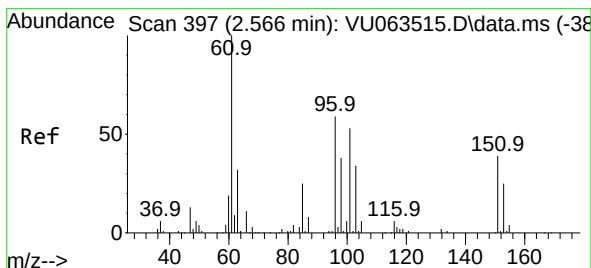
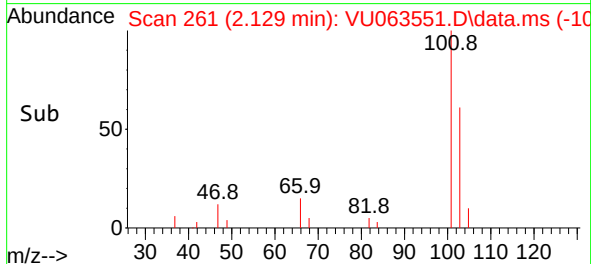
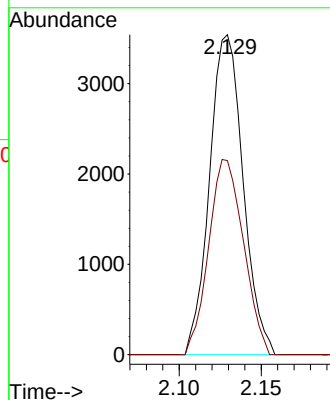
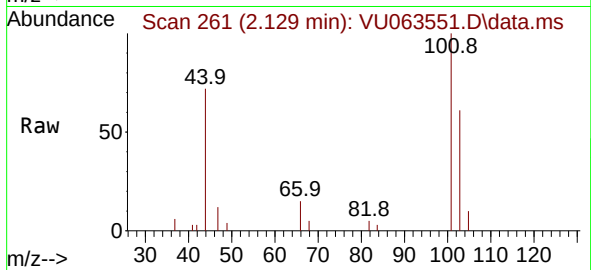




#7
 Trichlorofluoromethane
 Concen: 0.457 ug/l
 RT: 2.129 min Scan# 210
 Delta R.T. 0.003 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

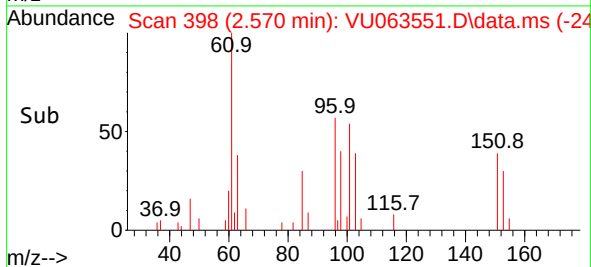
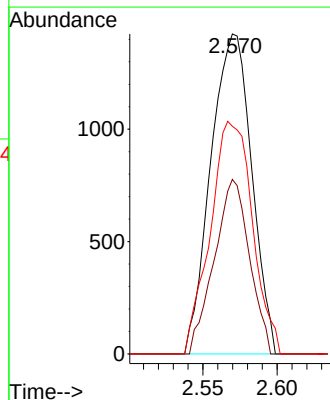
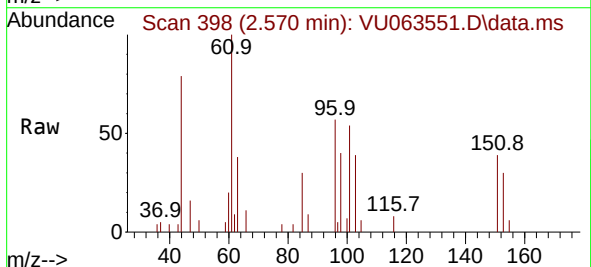
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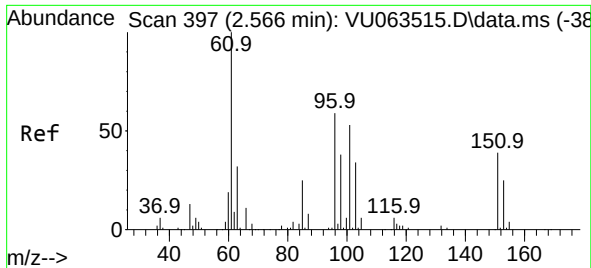
Tgt Ion:101 Resp: 5044
 Ion Ratio Lower Upper
 101 100
 103 60.7 52.2 78.4



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.473 ug/l
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

Tgt Ion:101 Resp: 2727
 Ion Ratio Lower Upper
 101 100
 85 47.0 37.8 56.6
 151 75.1 59.2 88.8

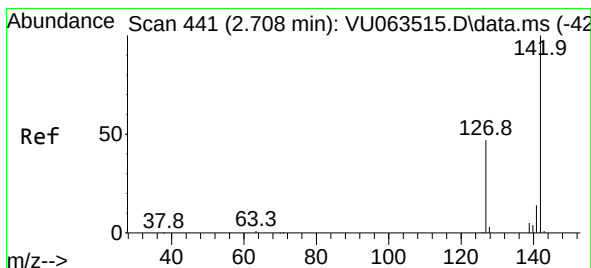
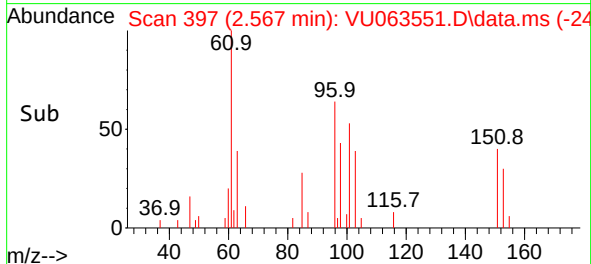
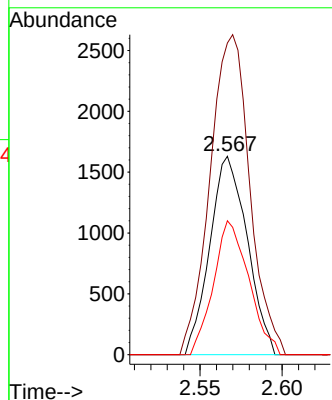
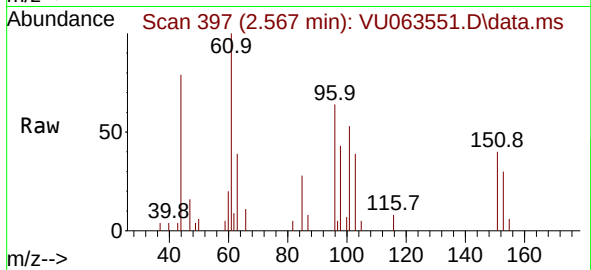




#9
1,1-Dichloroethene
Concen: 0.453 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

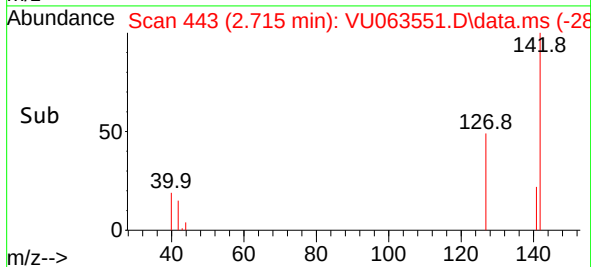
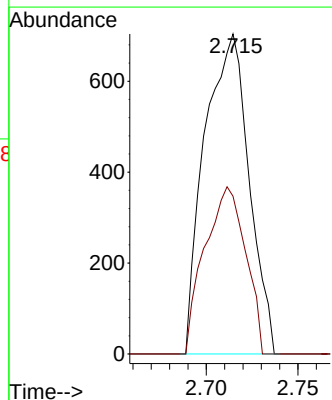
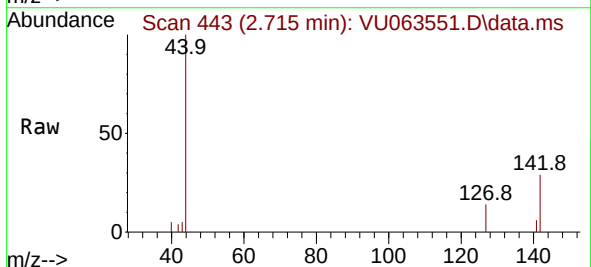
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

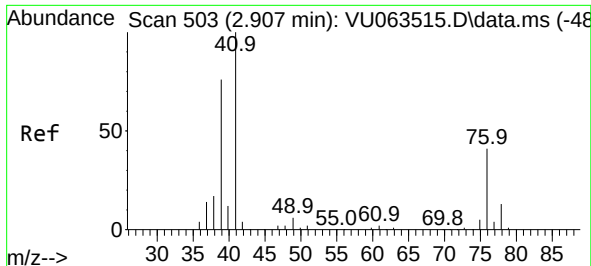
Tgt Ion: 96 Resp: 2585
Ion Ratio Lower Upper
96 100
61 157.1 0.0 504.3
98 67.5 0.0 126.8



#10
Iodomethane
Concen: 0.171 ug/l
RT: 2.715 min Scan# 443
Delta R.T. 0.007 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 142 Resp: 1182
Ion Ratio Lower Upper
142 100
127 48.2 37.9 56.9

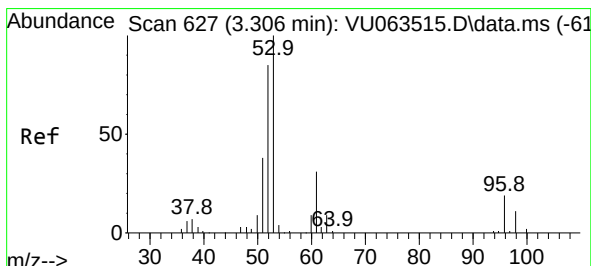
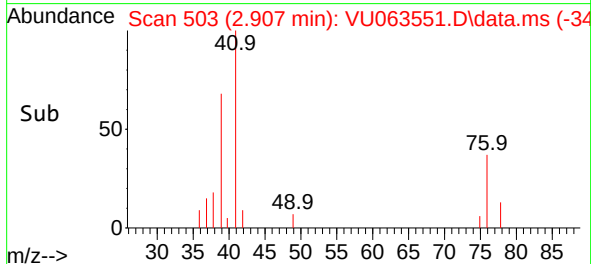
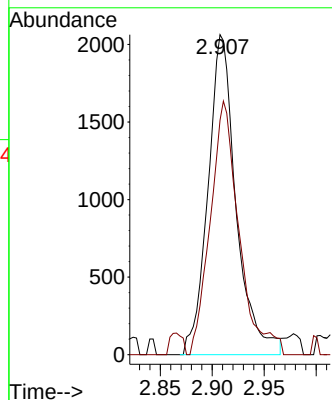
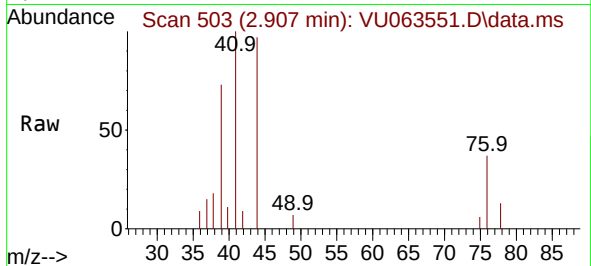




#11
 Allyl Chloride
 Concen: 0.470 ug/l
 RT: 2.907 min Scan# 503
 Delta R.T. 0.000 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

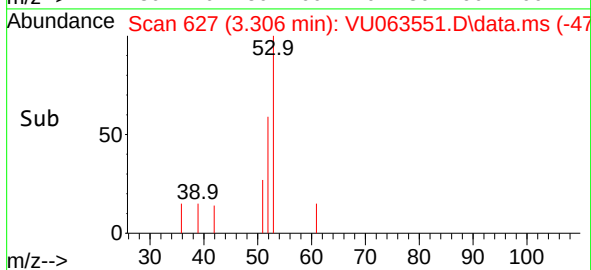
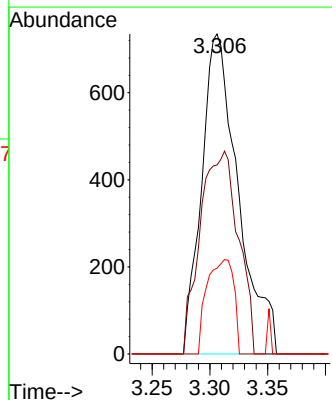
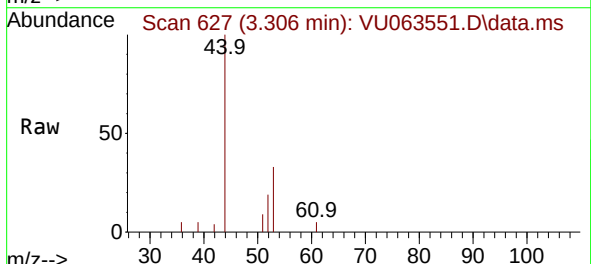
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

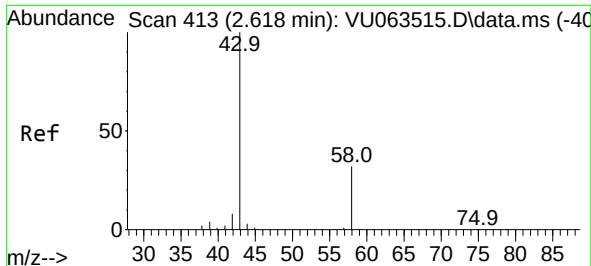
Tgt Ion: 41 Resp: 3882
 Ion Ratio Lower Upper
 41 100
 39 80.9 61.5 92.3



#12
 Acrylonitrile
 Concen: 1.136 ug/l
 RT: 3.306 min Scan# 627
 Delta R.T. 0.000 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

Tgt Ion: 53 Resp: 1623
 Ion Ratio Lower Upper
 53 100
 52 65.9 64.3 96.5
 51 21.4 27.8 41.8#





#13

Acetone

Concen: 2.822 ug/l

RT: 2.621 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

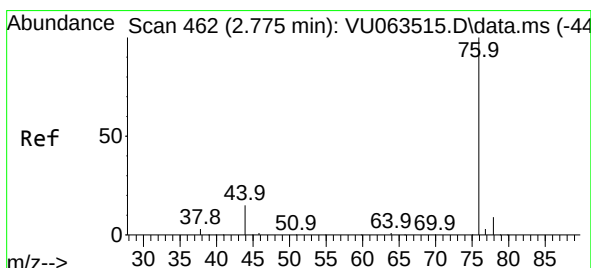
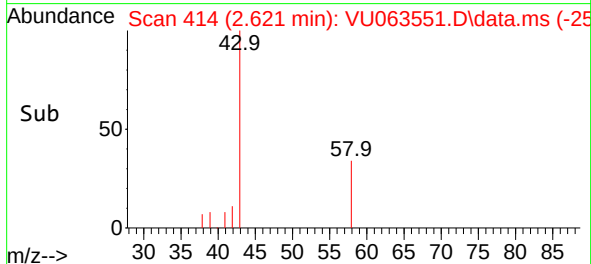
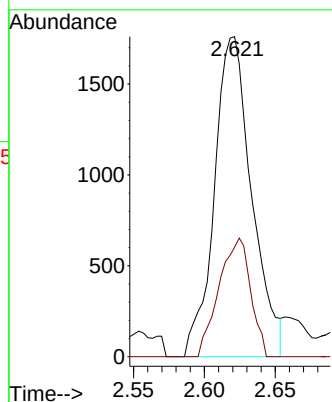
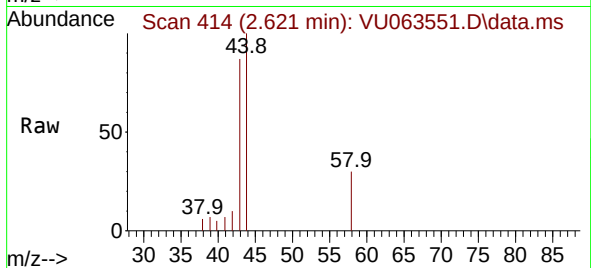
RL-CHECK

Tgt Ion: 43 Resp: 3230

Ion Ratio Lower Upper

43 100

58 34.2 25.4 38.0



#14

Carbon Disulfide

Concen: 0.331 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063551.D

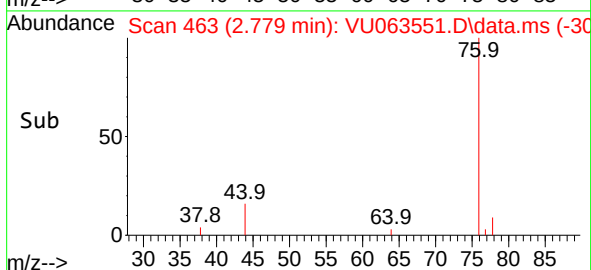
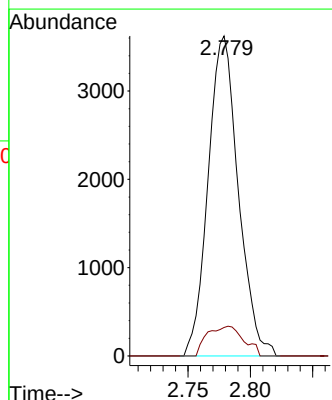
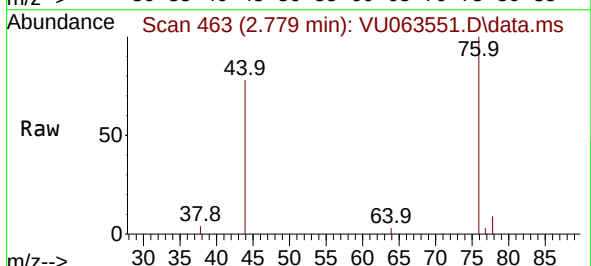
Acq: 21 Jul 2025 16:42

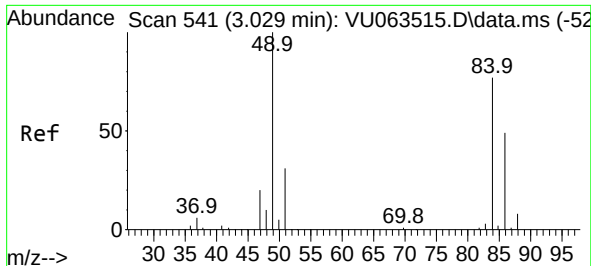
Tgt Ion: 76 Resp: 6114

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



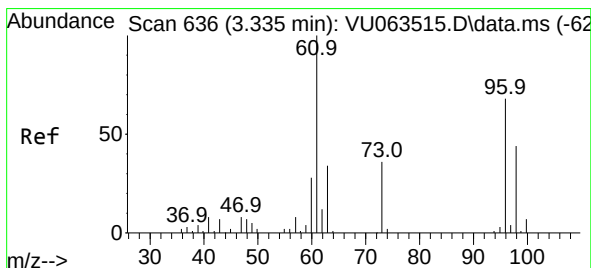
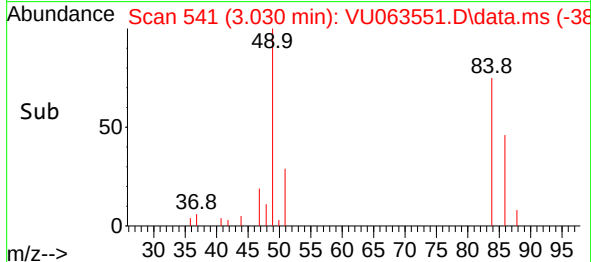
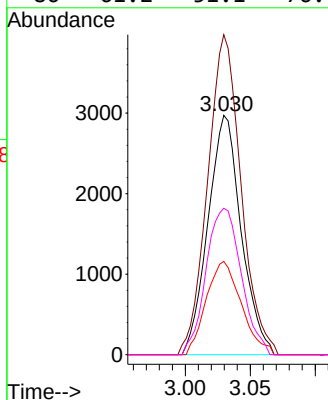
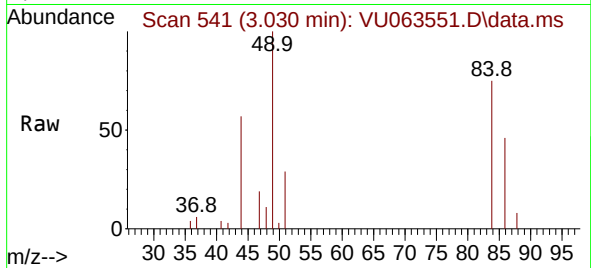


#15
Methylene Chloride
Concen: 0.786 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Tgt Ion: 84 Resp: 5283

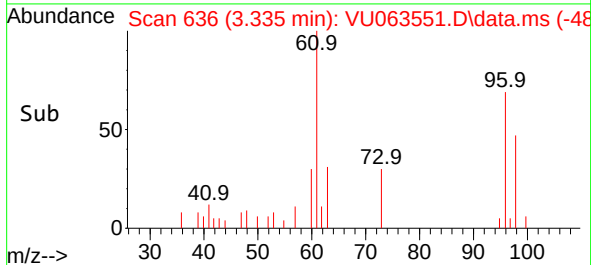
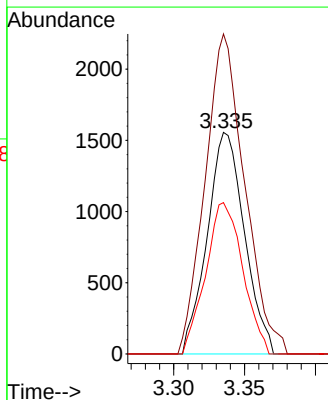
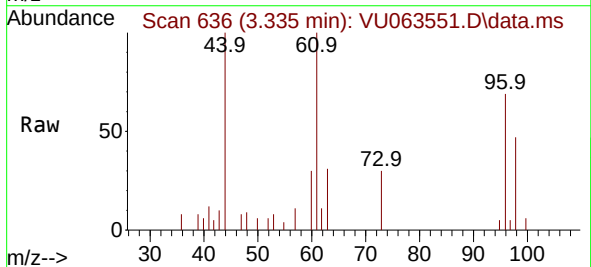
Ion	Ratio	Lower	Upper
84	100		
49	133.7	103.8	155.8
51	39.0	0.0	80.4
86	61.2	51.1	76.7

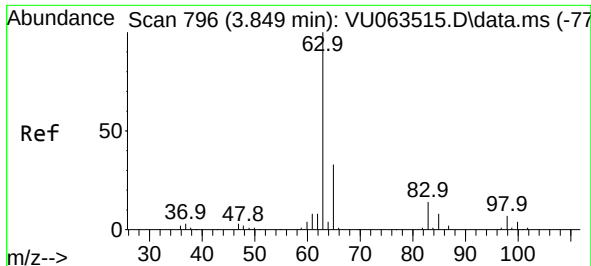


#16
trans-1,2-Dichloroethene
Concen: 0.439 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 96 Resp: 2845

Ion	Ratio	Lower	Upper
96	100		
61	144.4	117.2	175.8
98	68.3	51.4	77.2

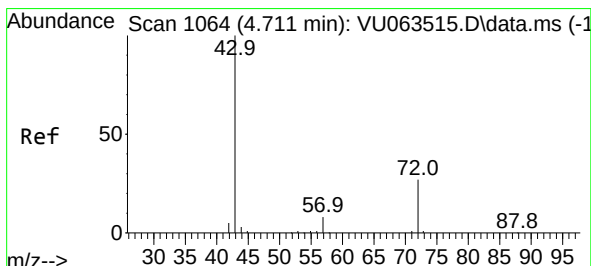
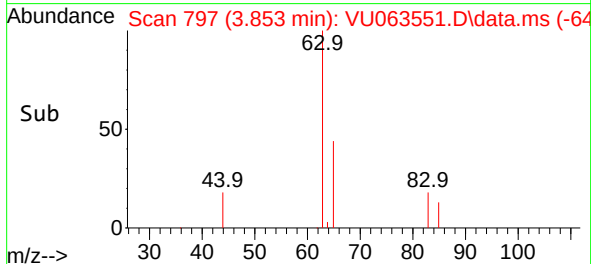
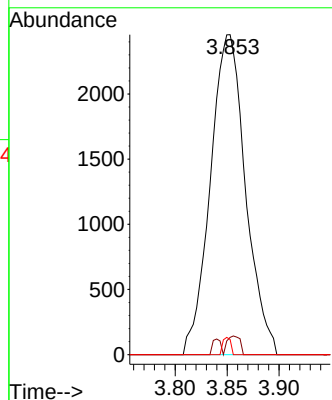
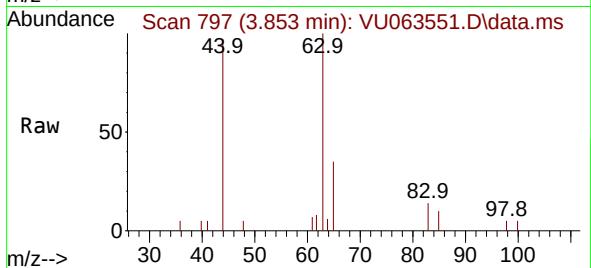




#17
 1,1-Dichloroethane
 Concen: 0.481 ug/l
 RT: 3.853 min Scan# 796
 Delta R.T. 0.003 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

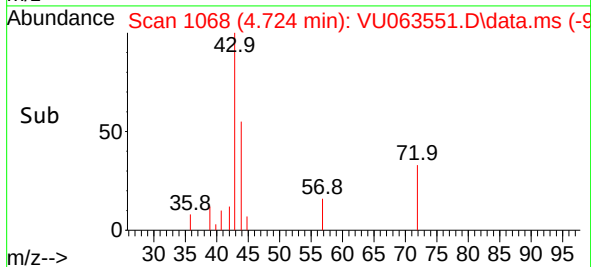
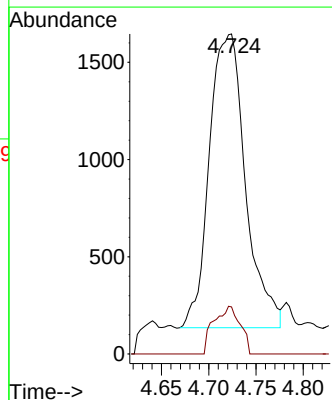
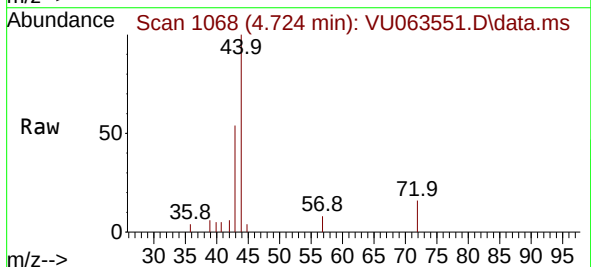
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

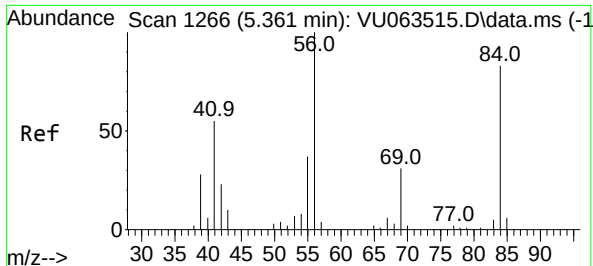
Tgt Ion: 63 Resp: 5788
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.4 10.2
 100 4.7 2.1 6.2



#18
 2-Butanone
 Concen: 2.270 ug/l
 RT: 4.724 min Scan# 1068
 Delta R.T. 0.013 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

Tgt Ion: 43 Resp: 4024
 Ion Ratio Lower Upper
 43 100
 57 16.0 0.0 16.4





#19

Cyclohexane

Concen: 0.458 ug/l

RT: 5.361 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

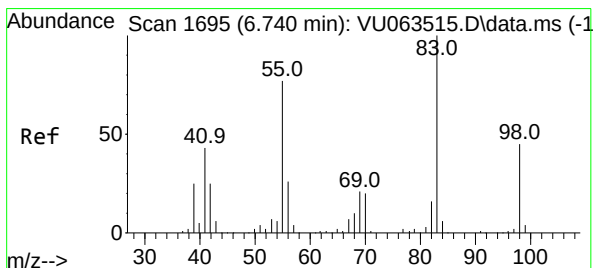
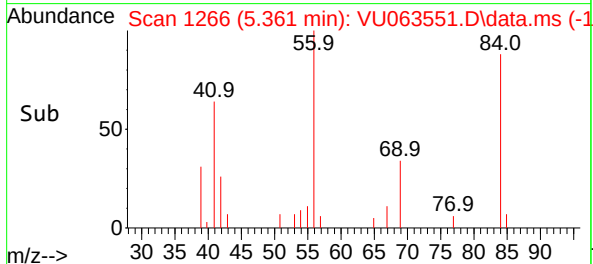
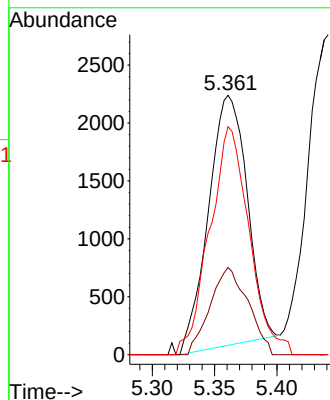
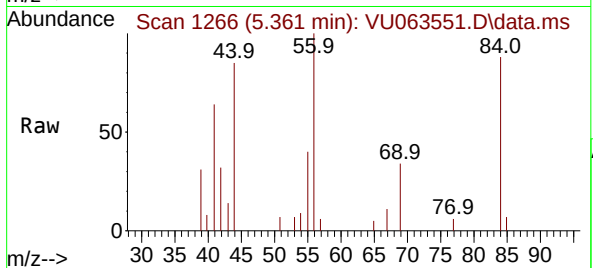
Tgt Ion: 56 Resp: 4668

Ion Ratio Lower Upper

56 100

69 34.1 26.6 39.8

84 93.0 71.0 106.4



#20

Methylcyclohexane

Concen: 0.388 ug/l

RT: 6.737 min Scan# 1694

Delta R.T. -0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

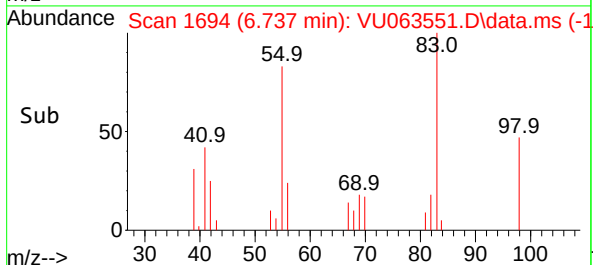
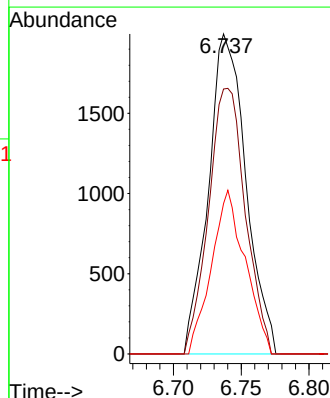
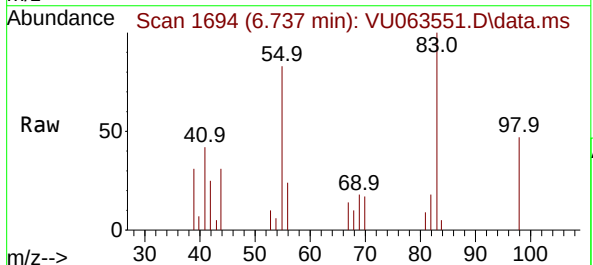
Tgt Ion: 83 Resp: 3840

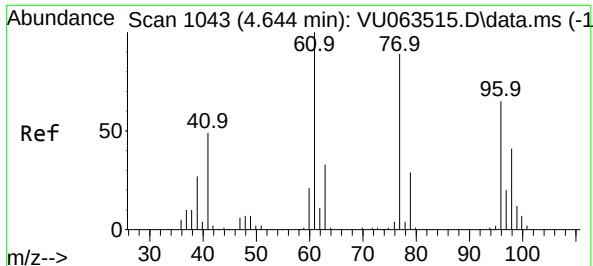
Ion Ratio Lower Upper

83 100

55 81.5 60.6 90.8

98 46.1 35.8 53.8





#21

2,2-Dichloropropane

Concen: 0.404 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.007 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

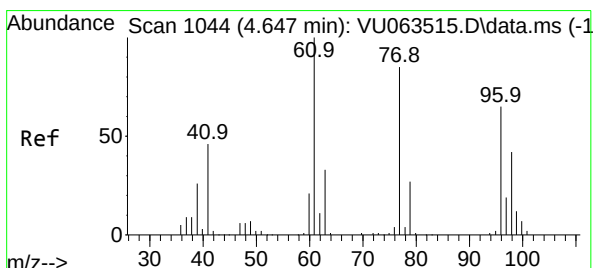
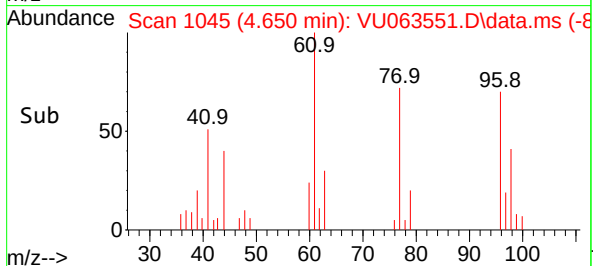
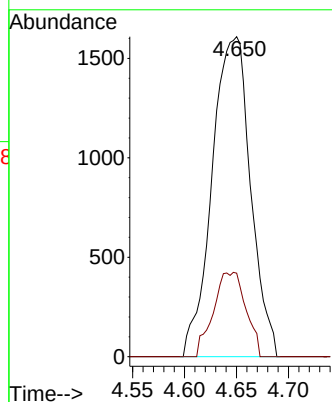
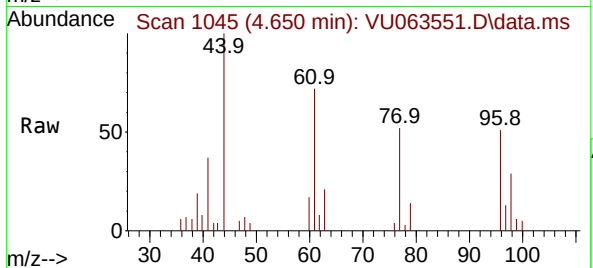
RL-CHECK

Tgt Ion: 77 Resp: 4141

Ion Ratio Lower Upper

77 100

97 22.3 17.8 26.8



#22

cis-1,2-Dichloroethene

Concen: 0.466 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

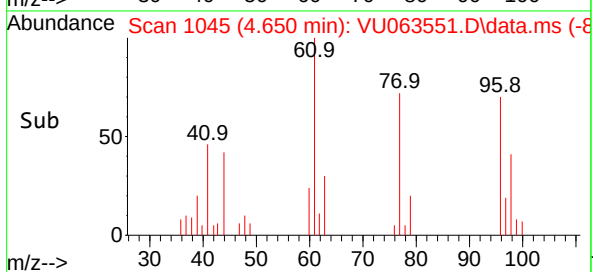
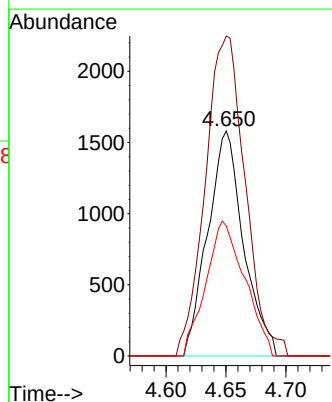
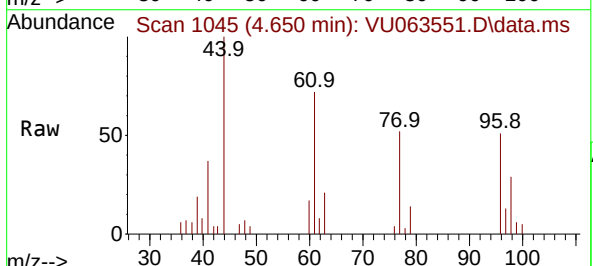
Tgt Ion: 96 Resp: 3278

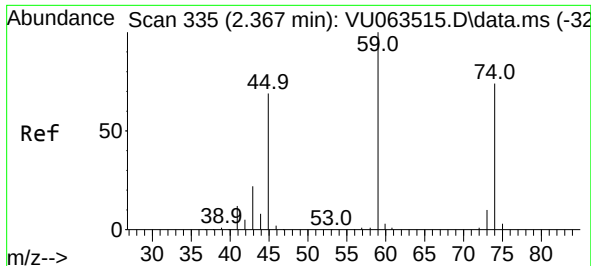
Ion Ratio Lower Upper

96 100

61 158.5 0.0 384.7

98 65.2 32.1 96.3





#23

Diethyl Ether

Concen: 0.485 ug/l

RT: 2.370 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

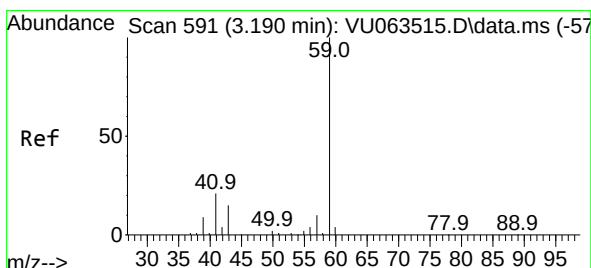
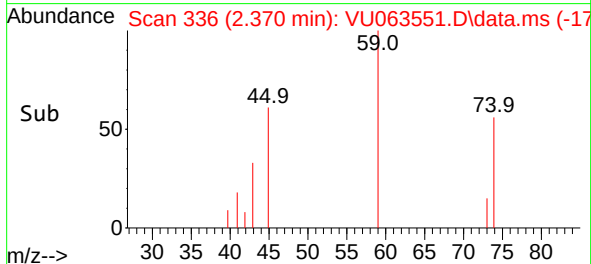
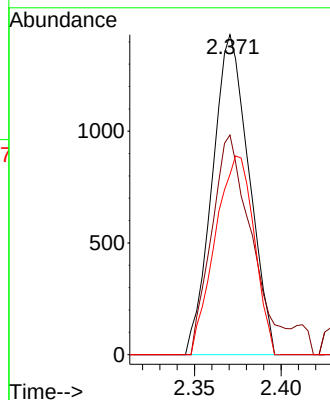
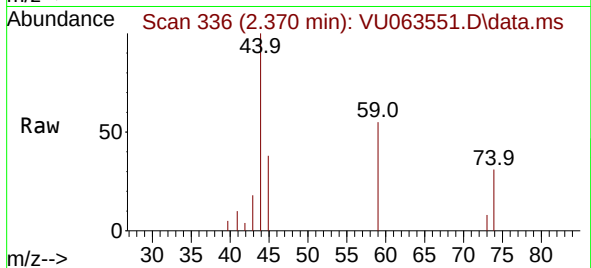
Tgt Ion: 59 Resp: 2109

Ion Ratio Lower Upper

59 100

45 75.8 55.1 82.7

74 66.1 58.2 87.4



#24

tert-Butyl Alcohol

Concen: 7.089 ug/l

RT: 3.190 min Scan# 591

Delta R.T. 0.000 min

Lab File: VU063551.D

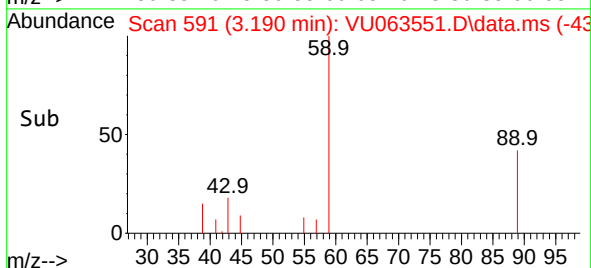
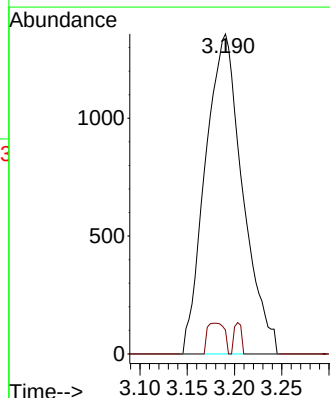
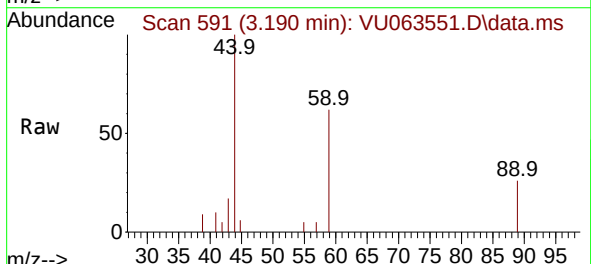
Acq: 21 Jul 2025 16:42

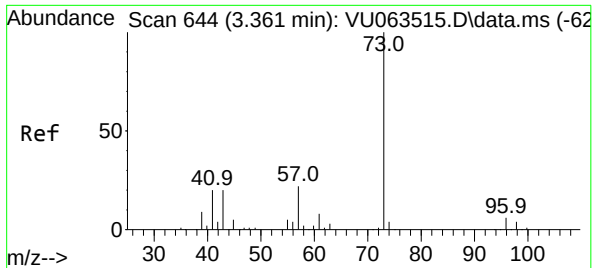
Tgt Ion: 59 Resp: 3725

Ion Ratio Lower Upper

59 100

57 1.9 8.6 12.8#

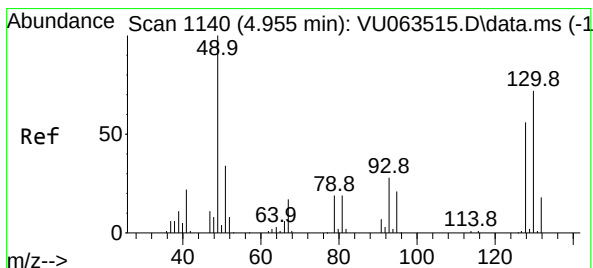
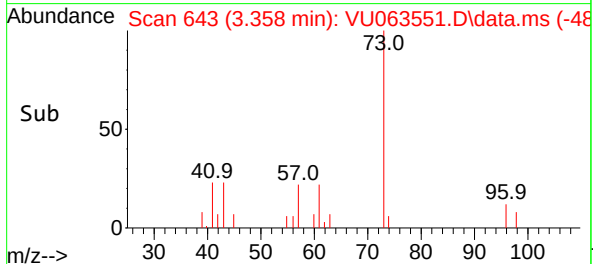
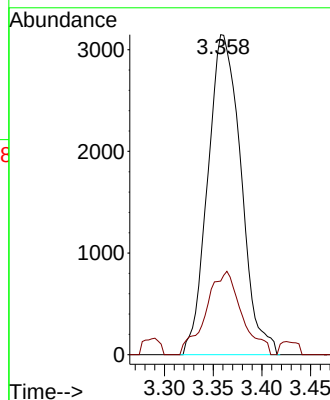
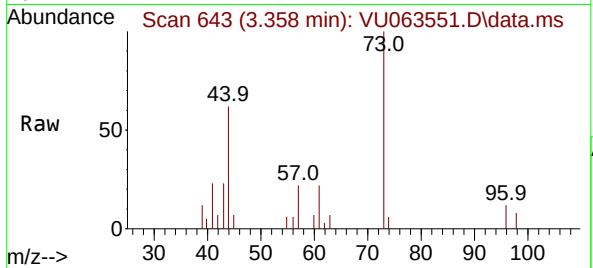




#25
Methyl tert-Butyl Ether
Concen: 0.500 ug/l
RT: 3.358 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

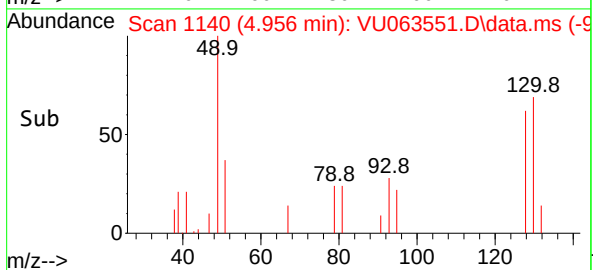
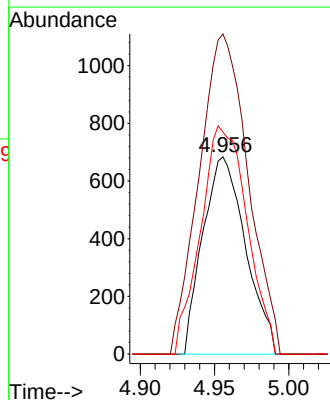
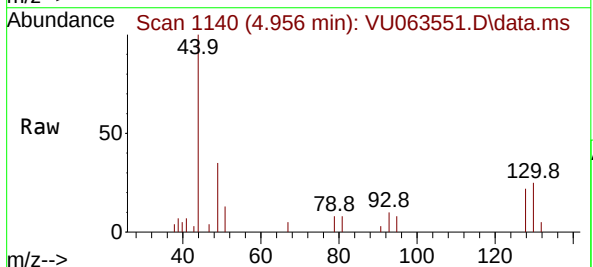
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

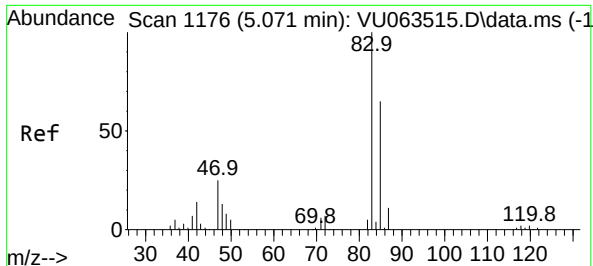
Tgt Ion: 73 Resp: 7457
Ion Ratio Lower Upper
73 100
43 28.1 16.2 24.2#



#26
Bromochloromethane
Concen: 0.465 ug/l
RT: 4.956 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:128 Resp: 1366
Ion Ratio Lower Upper
128 100
49 186.3 0.0 340.8
130 126.1 100.5 150.7





#27

Chloroform

Concen: 0.478 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

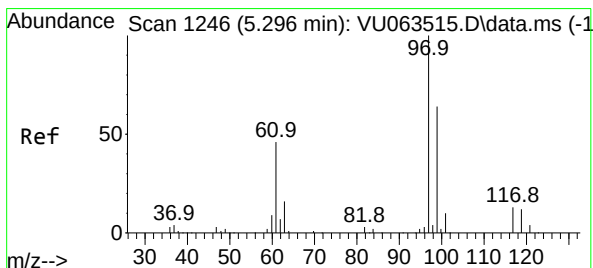
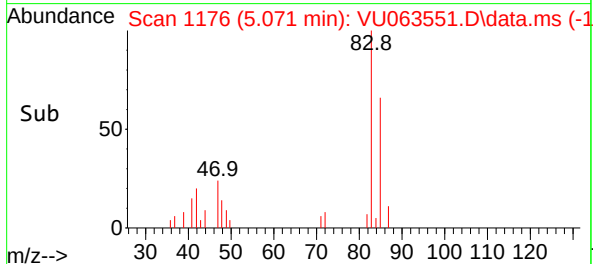
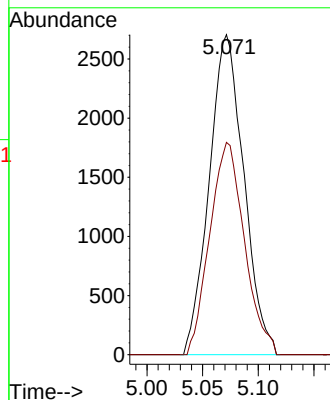
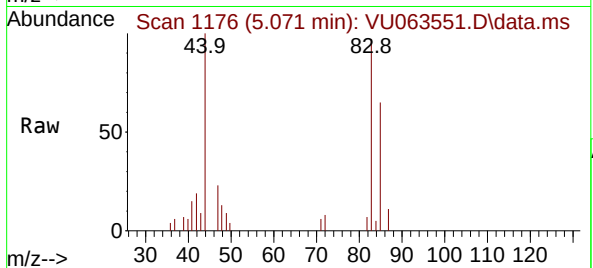
RL-CHECK

Tgt Ion: 83 Resp: 5869

Ion Ratio Lower Upper

83 100

85 66.3 0.0 130.0



#28

1,1,1-Trichloroethane

Concen: 0.441 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

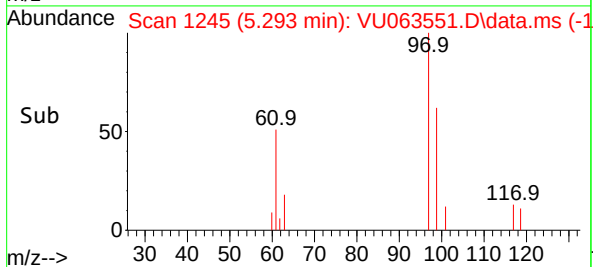
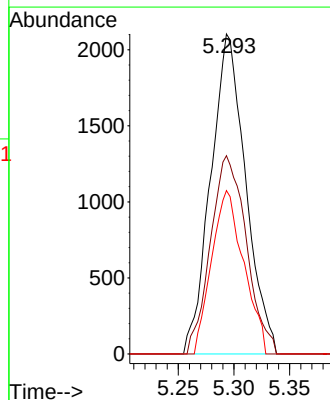
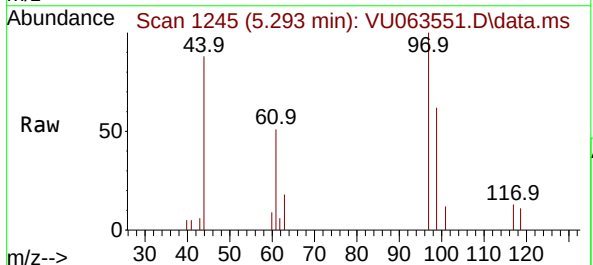
Tgt Ion: 97 Resp: 4591

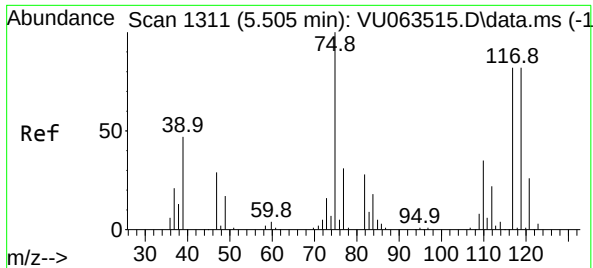
Ion Ratio Lower Upper

97 100

99 63.7 31.8 95.3

61 46.9 23.3 69.9

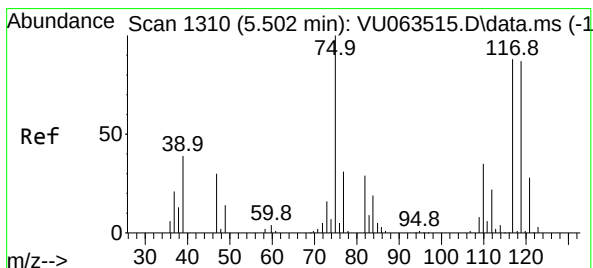
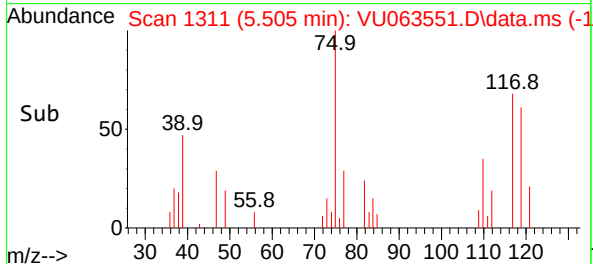
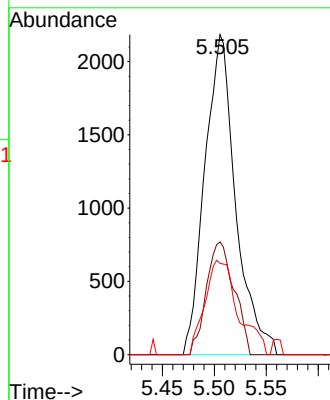
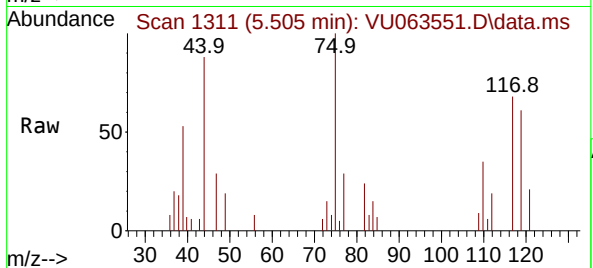




#29
1,1-Dichloropropene
Concen: 0.466 ug/l
RT: 5.505 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

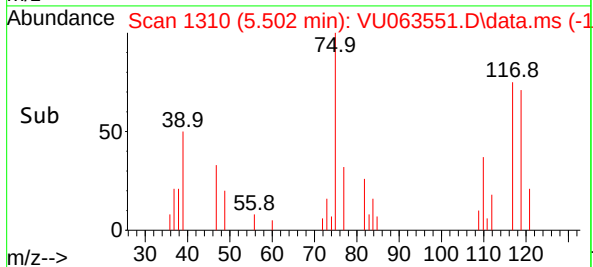
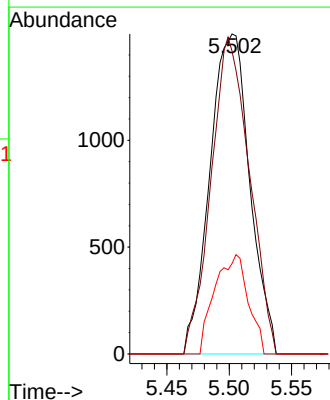
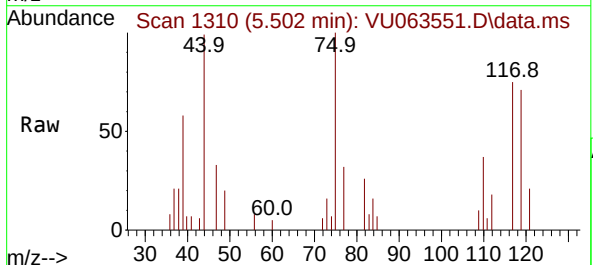
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

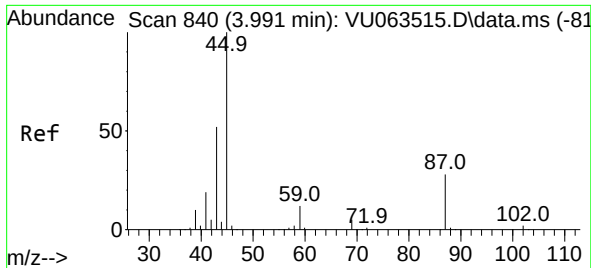
Tgt Ion: 75 Resp: 4499
Ion Ratio Lower Upper
75 100
110 31.8 17.8 53.4
77 31.9 24.6 37.0



#30
Carbon Tetrachloride
Concen: 0.398 ug/l
RT: 5.502 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 117 Resp: 3334
Ion Ratio Lower Upper
117 100
119 94.7 79.2 118.8
121 28.2 25.5 38.3

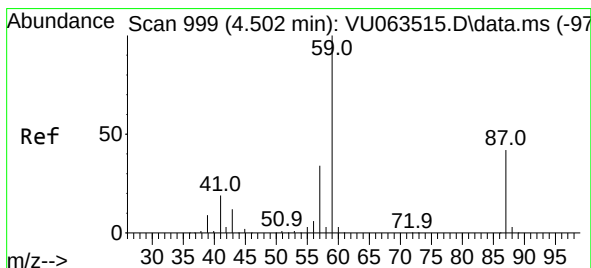
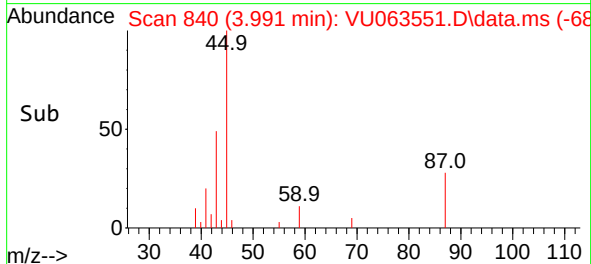
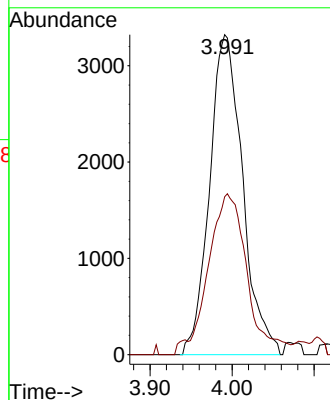
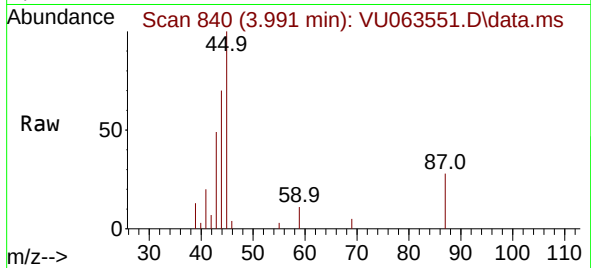




#31
Isopropyl Ether
Concen: 0.512 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

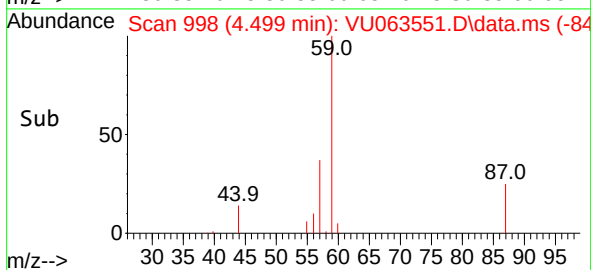
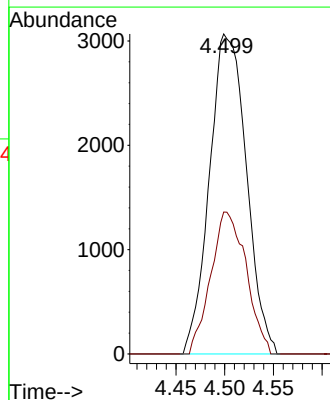
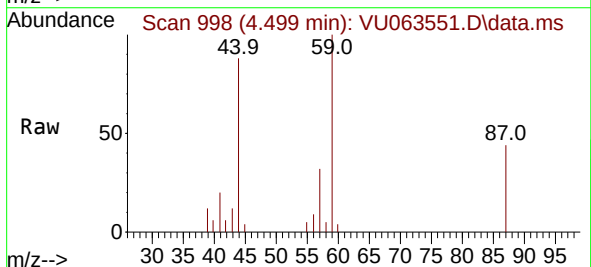
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

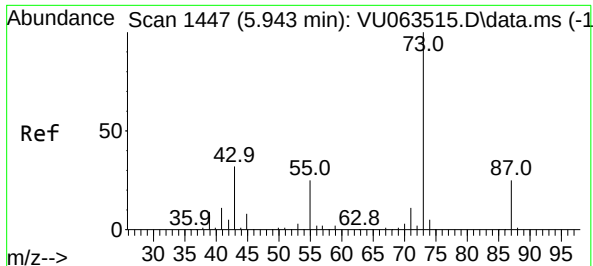
Tgt Ion: 45 Resp: 9295
Ion Ratio Lower Upper
45 100
43 59.1 25.7 77.0



#32
Ethyl-t-butyl ether
Concen: 0.482 ug/l
RT: 4.499 min Scan# 998
Delta R.T. -0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 59 Resp: 8089
Ion Ratio Lower Upper
59 100
87 42.5 32.6 49.0

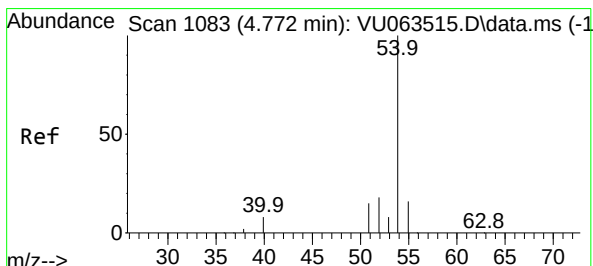
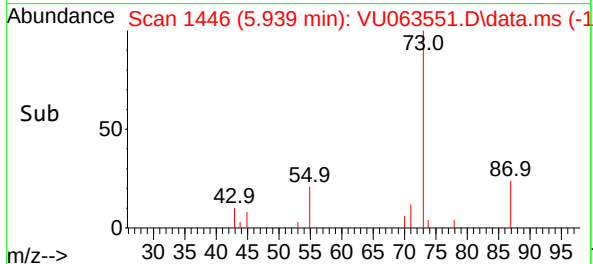
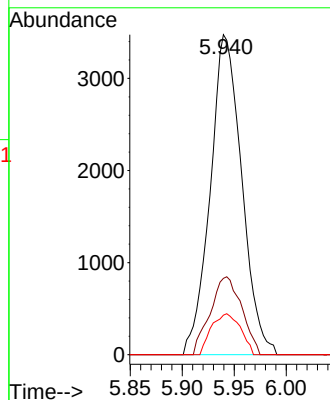
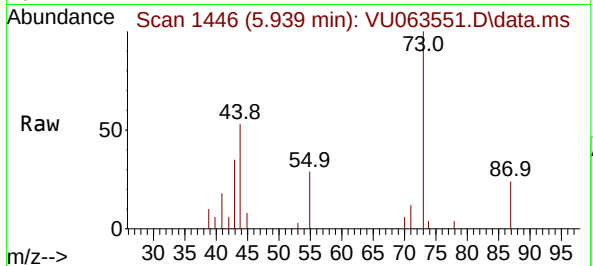




#33
Tert-Amyl methyl ether
Concen: 0.502 ug/l
RT: 5.939 min Scan# 1447
Delta R.T. -0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

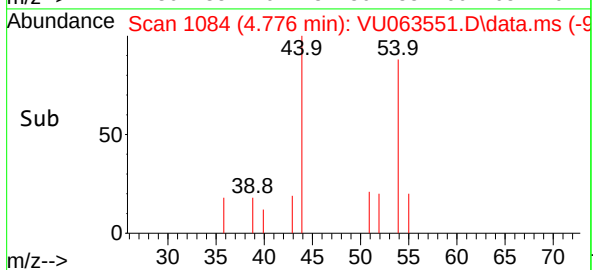
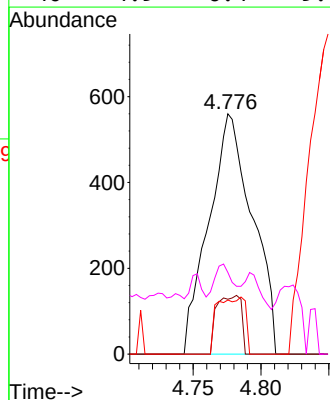
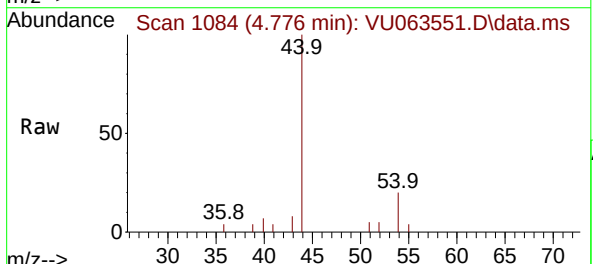
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

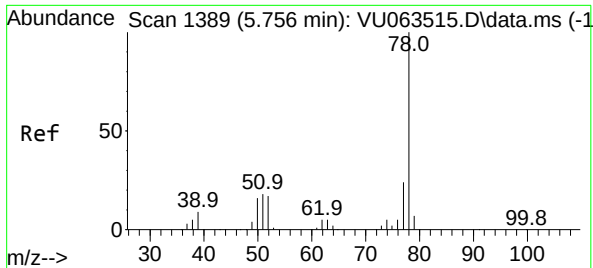
Tgt Ion: 73	Resp: 7324		
Ion Ratio	Lower	Upper	
73	100		
87	24.3	19.4	29.2
71	11.8	8.9	13.3



#34
Propionitrile
Concen: 2.322 ug/l
RT: 4.776 min Scan# 1084
Delta R.T. 0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt	Ion: 54	Resp:	1254
Ion	Ratio	Lower	Upper
54	100		
52	13.6	17.0	25.4#
55	15.2	13.6	20.4
40	4.9	6.4	9.6#

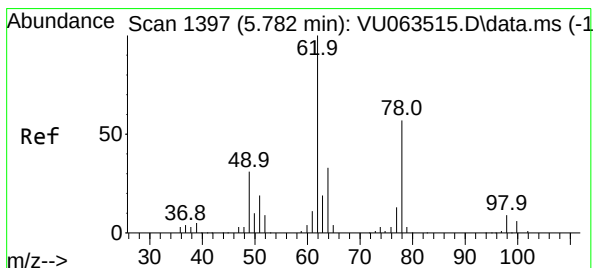
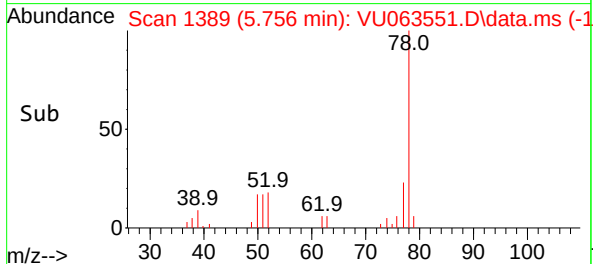
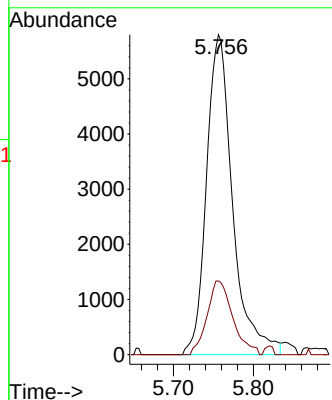
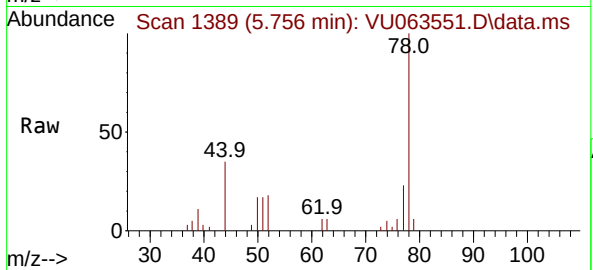




#35
Benzene
Concen: 0.508 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

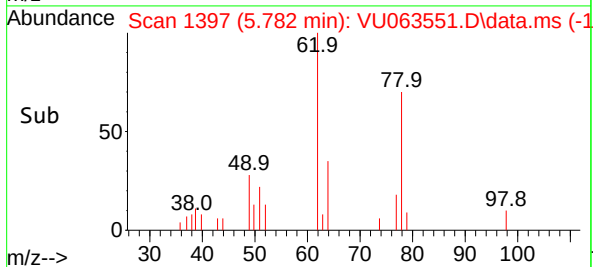
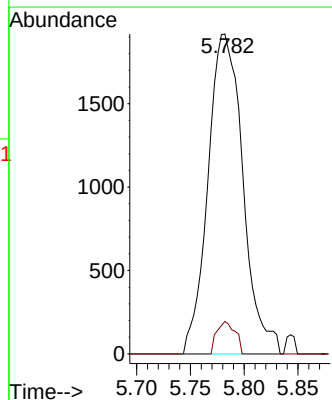
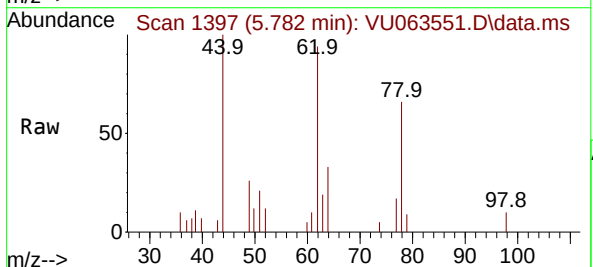
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

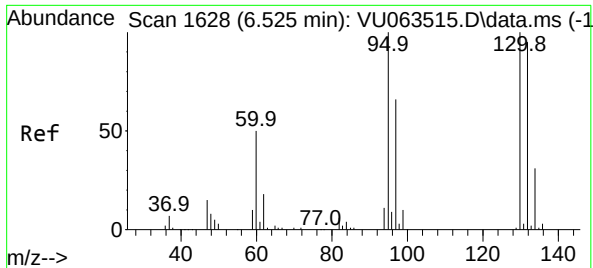
Tgt Ion: 78 Resp: 13176
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.2



#36
1,2-Dichloroethane
Concen: 0.538 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 62 Resp: 4335
Ion Ratio Lower Upper
62 100
98 5.3 6.4 9.6#





#37

Trichloroethene

Concen: 0.370 ug/l

RT: 6.528 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

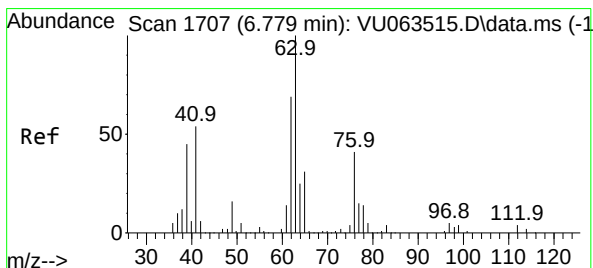
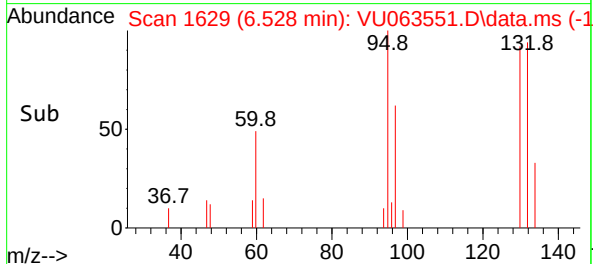
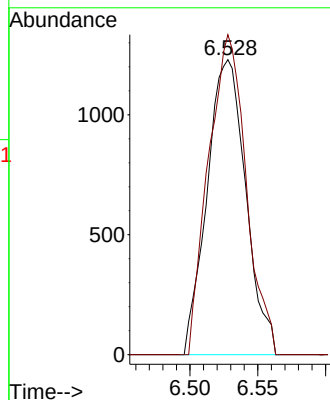
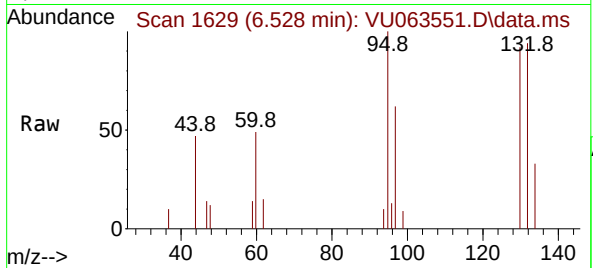
RL-CHECK

Tgt Ion:130 Resp: 2444

Ion Ratio Lower Upper

130 100

95 108.5 80.3 120.5



#38

1,2-Dichloropropane

Concen: 0.399 ug/l

RT: 6.779 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VU063551.D

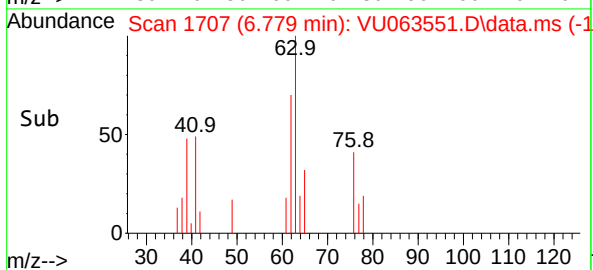
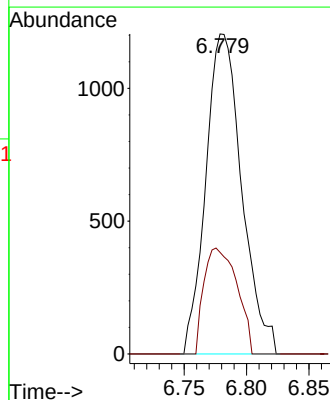
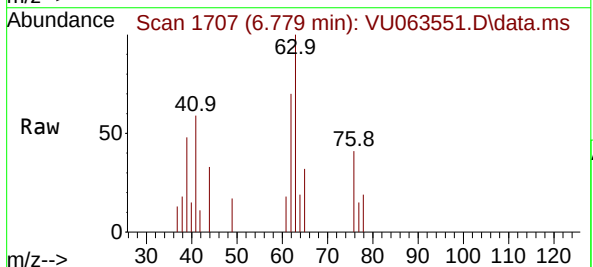
Acq: 21 Jul 2025 16:42

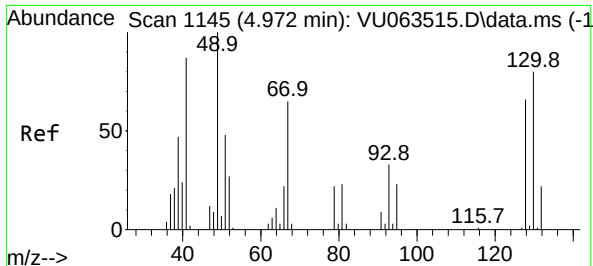
Tgt Ion: 63 Resp: 2420

Ion Ratio Lower Upper

63 100

65 31.8 24.6 36.8





#39

Methacrylonitrile

Concen: 0.685 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 41 Resp: 1644

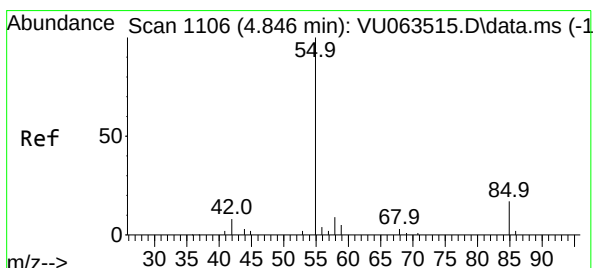
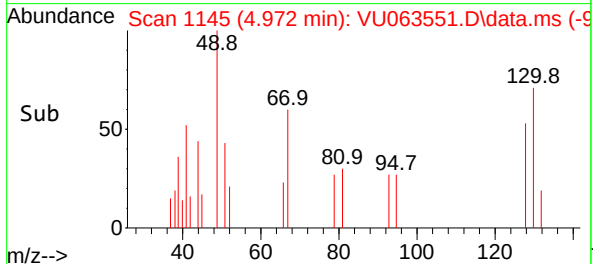
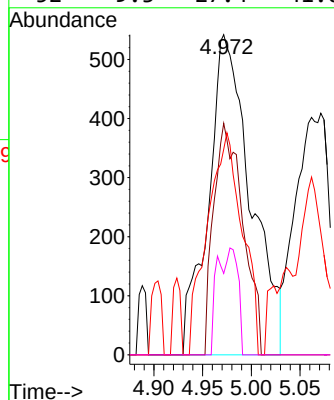
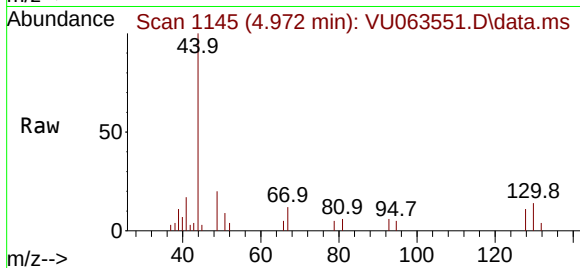
Ion Ratio Lower Upper

41 100

67 49.9 62.7 94.1#

39 57.0 43.1 64.7

52 9.3 27.4 41.0#



#40

Methyl acrylate

Concen: 0.523 ug/l

RT: 4.853 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Tgt Ion: 55 Resp: 1835

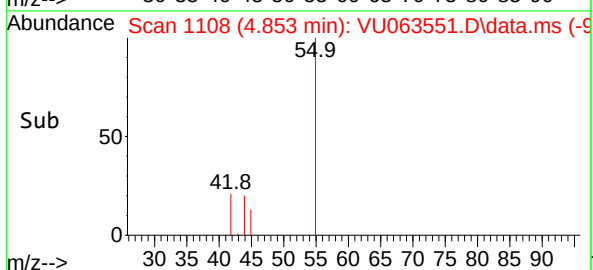
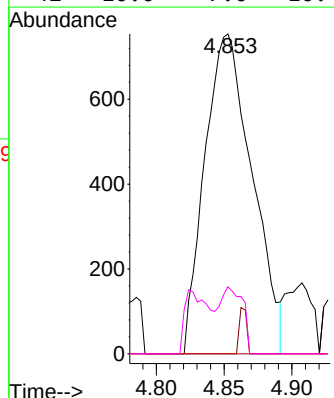
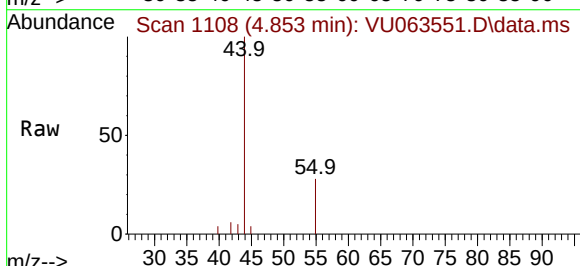
Ion Ratio Lower Upper

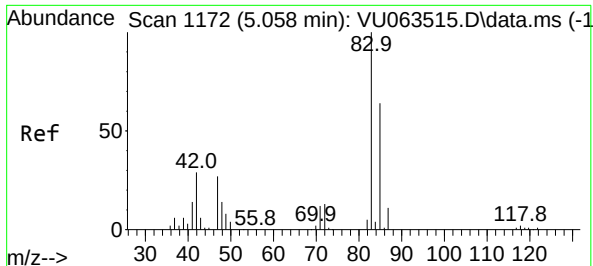
55 100

85 0.0 12.8 19.2#

58 0.0 7.0 10.4#

42 10.0 7.0 10.4





#41

Tetrahydrofuran

Concen: 1.251 ug/l

RT: 5.059 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

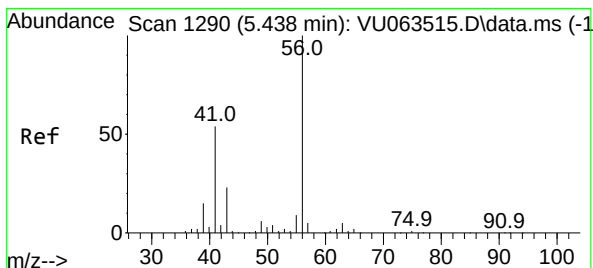
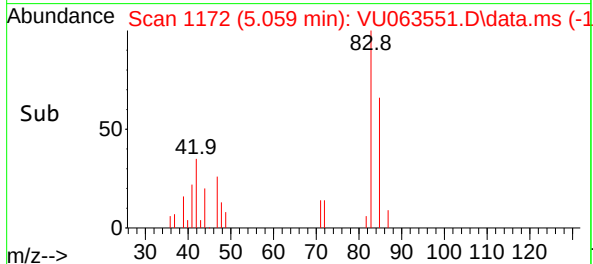
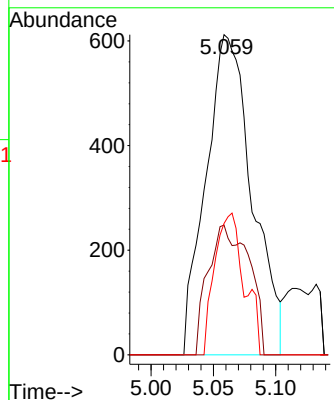
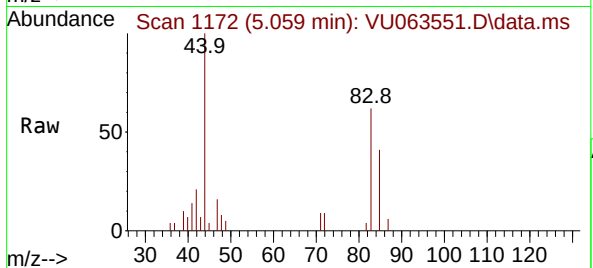
Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion:	42	Resp:	1580
Ion	Ratio	Lower	Upper
42	100		
72	35.9	39.2	58.8#
71	28.3	34.8	52.2#



#42

1-Chlorobutane

Concen: 0.485 ug/l

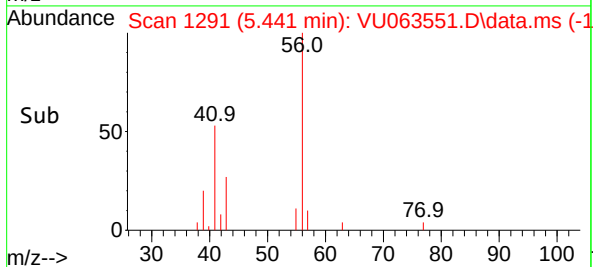
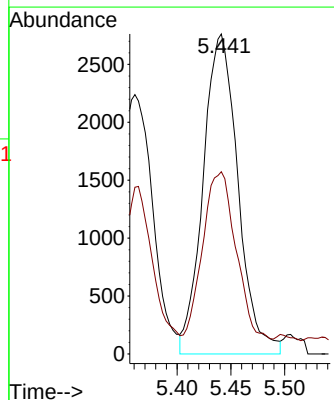
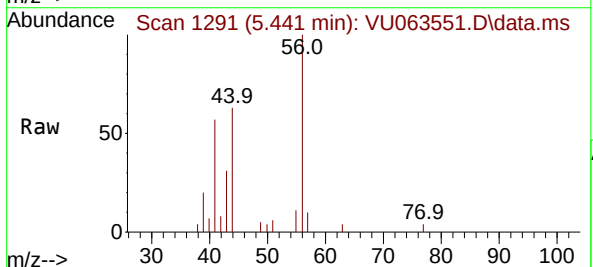
RT: 5.441 min Scan# 1291

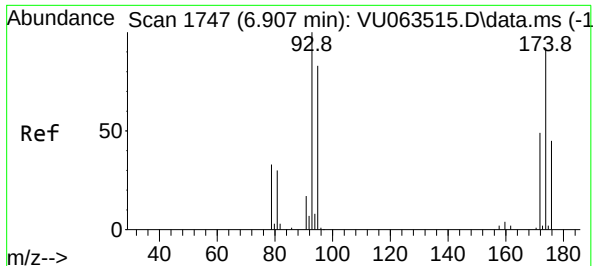
Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Tgt Ion:	56	Resp:	6226
Ion	Ratio	Lower	Upper
56	100		
41	49.6	26.7	80.0





#43

Dibromomethane

Concen: 0.391 ug/l

RT: 6.911 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

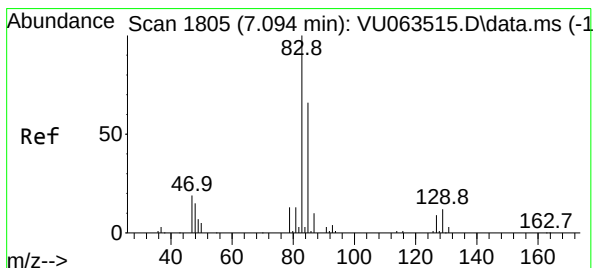
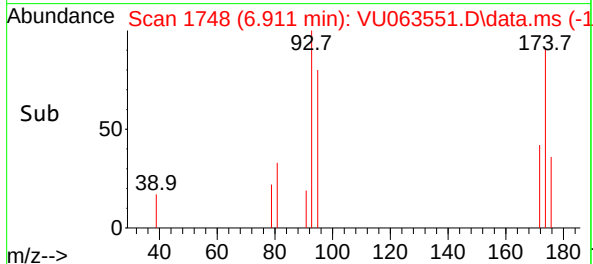
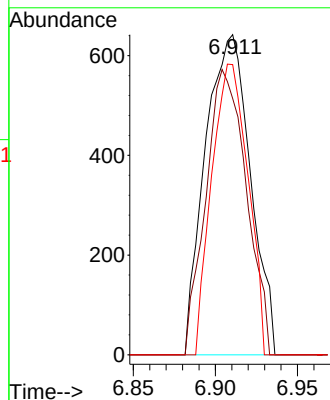
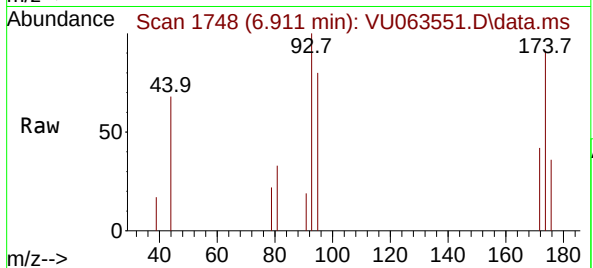
Tgt Ion: 93 Resp: 1228

Ion Ratio Lower Upper

93 100

95 80.1 67.9 101.9

174 72.7 74.6 111.8#



#44

Bromodichloromethane

Concen: 0.330 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

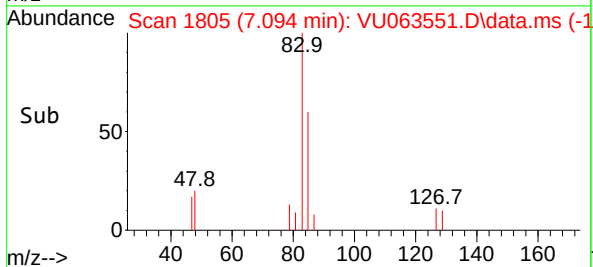
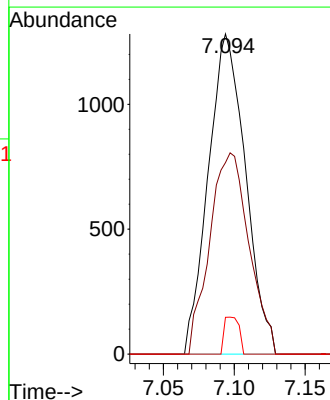
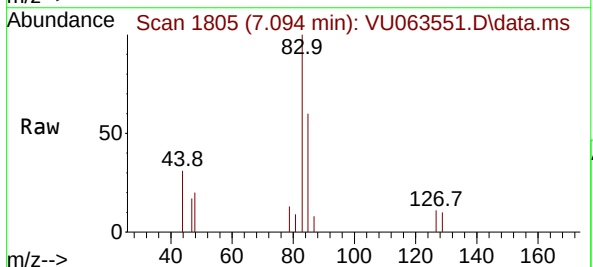
Tgt Ion: 83 Resp: 2342

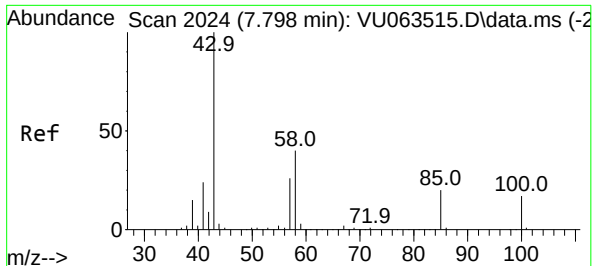
Ion Ratio Lower Upper

83 100

85 59.8 52.7 79.1

127 11.5 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 2.169 ug/l

RT: 7.804 min Scan# 2024

Delta R.T. 0.007 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

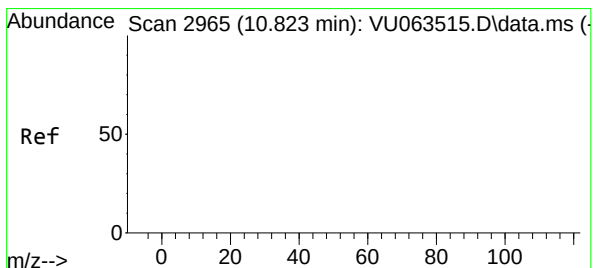
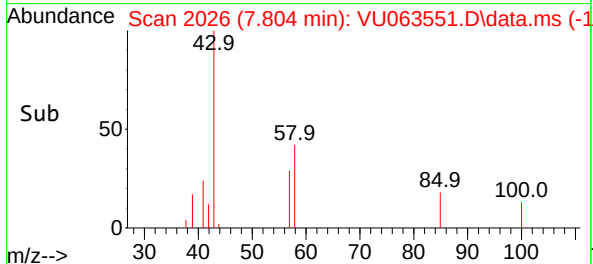
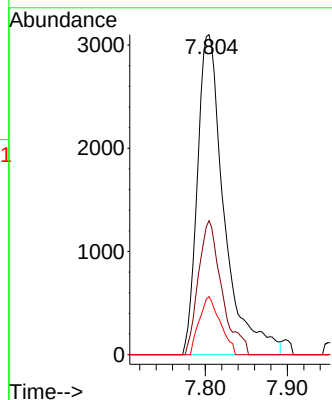
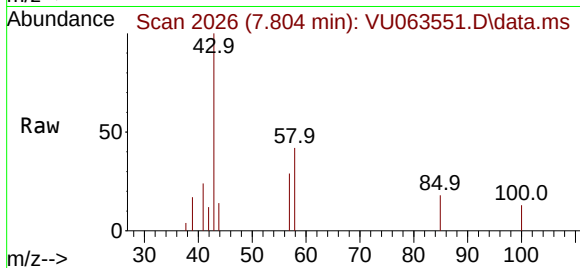
Tgt Ion: 43 Resp: 7027

Ion Ratio Lower Upper

43 100

58 36.6 20.0 60.0

85 14.1 15.4 23.0#



#46

t-1,4-Dichloro-2-butene

Concen: 2.059 ug/l

RT: 10.817 min Scan# 2963

Delta R.T. -0.006 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Tgt Ion: 75 Resp: 2504

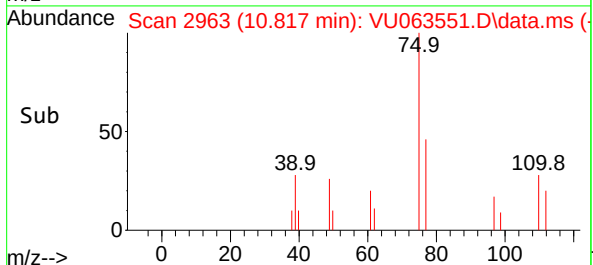
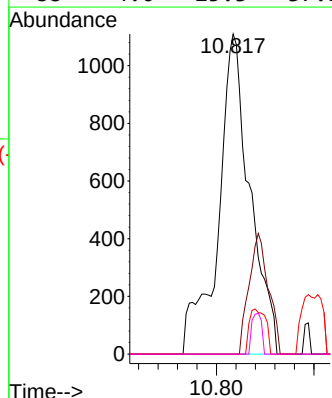
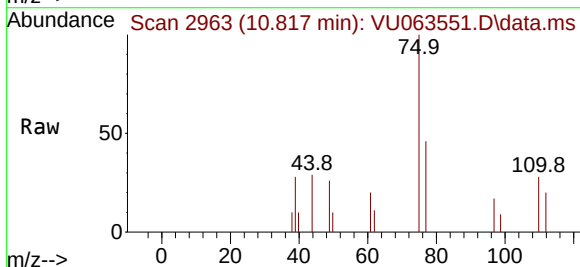
Ion Ratio Lower Upper

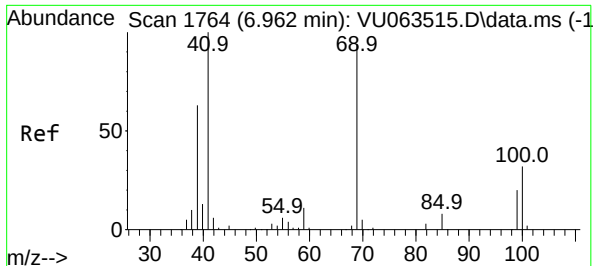
75 100

53 23.1 48.4 72.6#

89 7.3 30.6 45.8#

88 4.0 25.3 37.9#





#47

Methyl methacrylate

Concen: 0.781 ug/l

RT: 6.968 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion: 69 Resp: 2062

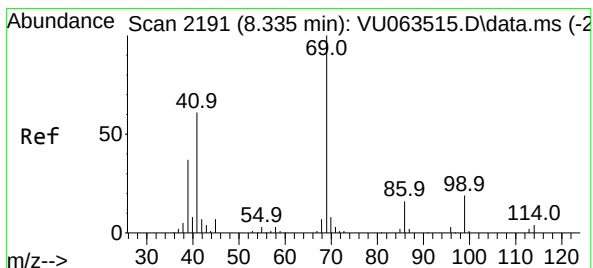
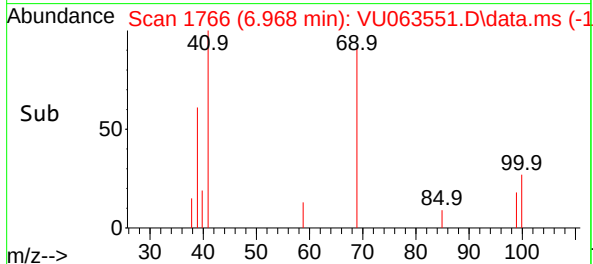
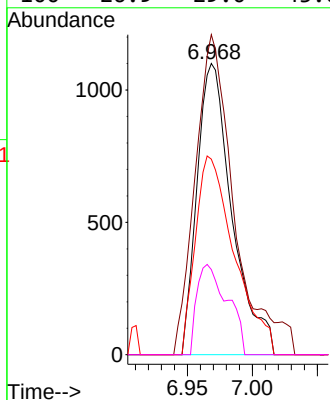
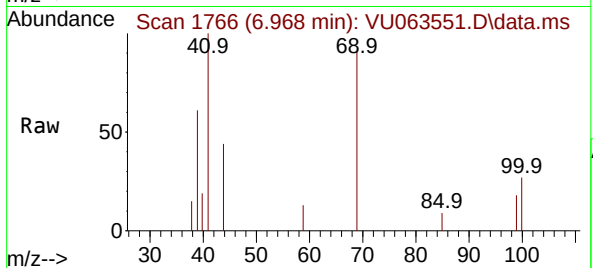
Ion Ratio Lower Upper

69 100

41 122.6 0.0 224.0

39 76.0 55.3 82.9

100 26.9 29.0 43.6#



#48

Ethyl methacrylate

Concen: 0.356 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.003 min

Lab File: VU063551.D

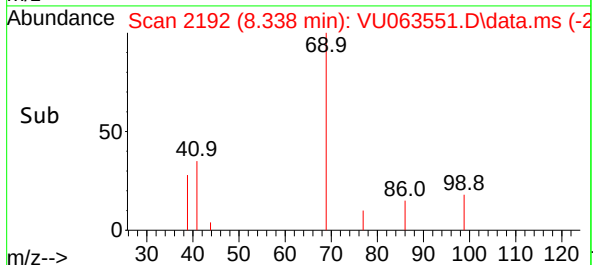
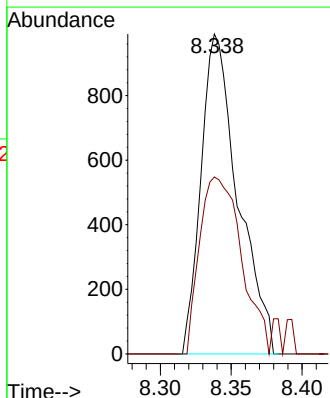
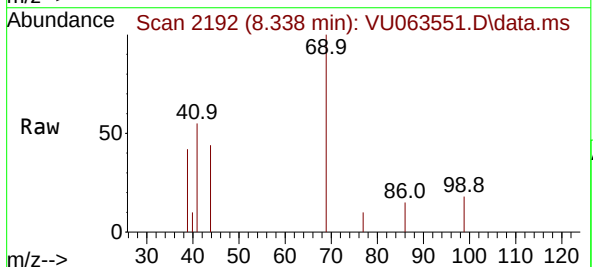
Acq: 21 Jul 2025 16:42

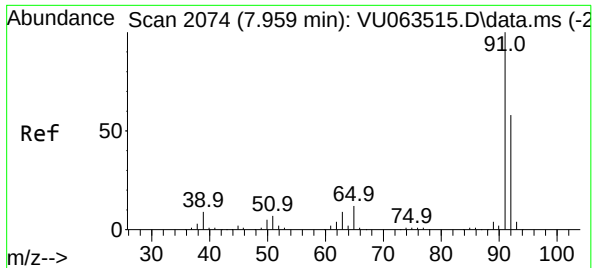
Tgt Ion: 69 Resp: 1795

Ion Ratio Lower Upper

69 100

41 62.6 30.8 92.4





#49

Toluene

Concen: 0.402 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

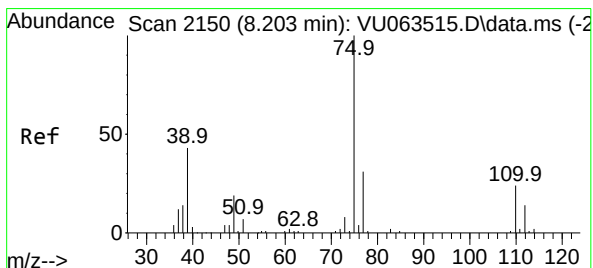
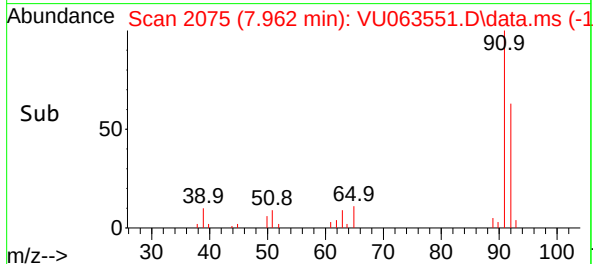
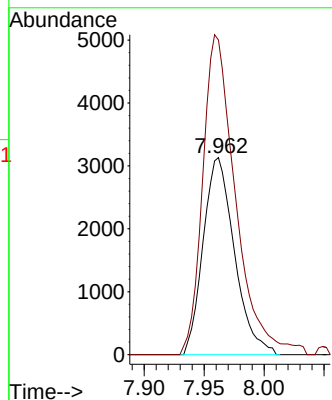
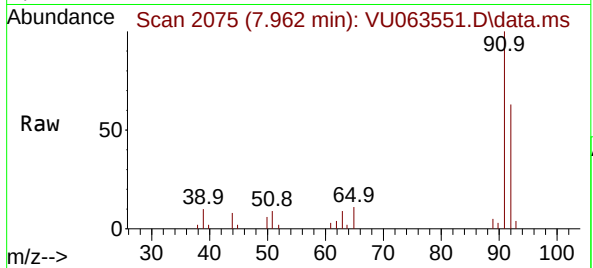
RL-CHECK

Tgt Ion: 92 Resp: 5690

Ion Ratio Lower Upper

92 100

91 170.4 140.4 210.6



#50

t-1,3-Dichloropropene

Concen: 0.274 ug/l

RT: 8.210 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU063551.D

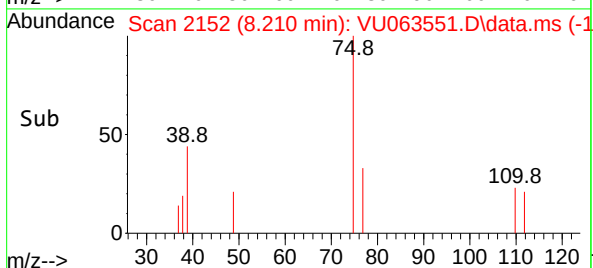
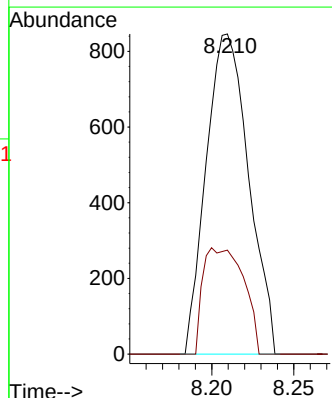
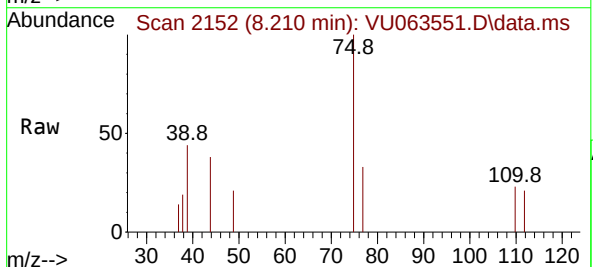
Acq: 21 Jul 2025 16:42

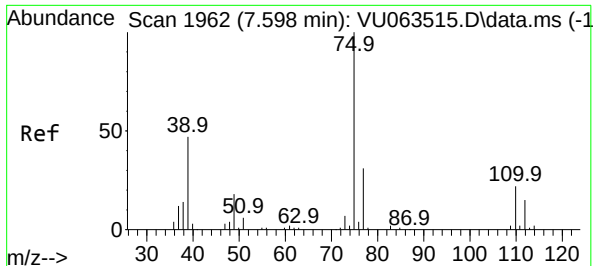
Tgt Ion: 75 Resp: 1523

Ion Ratio Lower Upper

75 100

77 32.5 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 0.277 ug/l

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

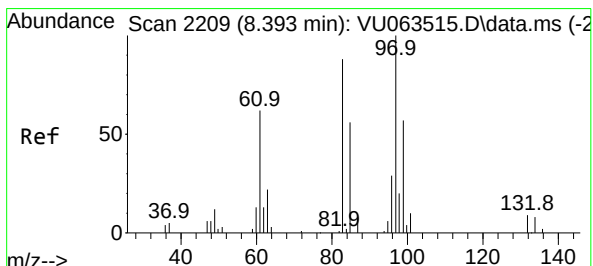
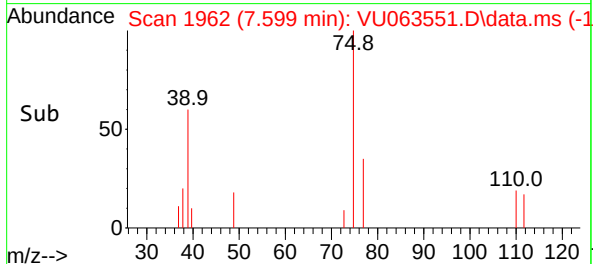
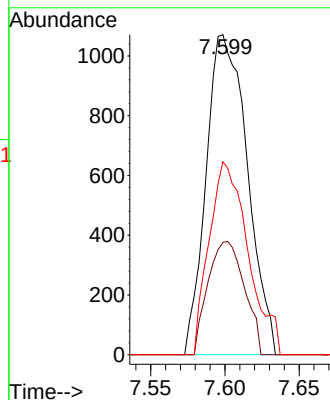
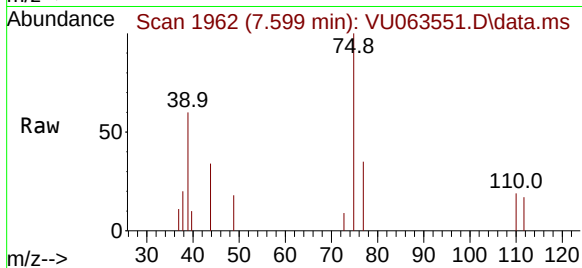
Tgt Ion: 75 Resp: 2067

Ion Ratio Lower Upper

75 100

77 35.1 25.1 37.7

39 70.3 37.8 56.6#



#52

1,1,2-Trichloroethane

Concen: 0.395 ug/l

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Tgt Ion: 97 Resp: 1673

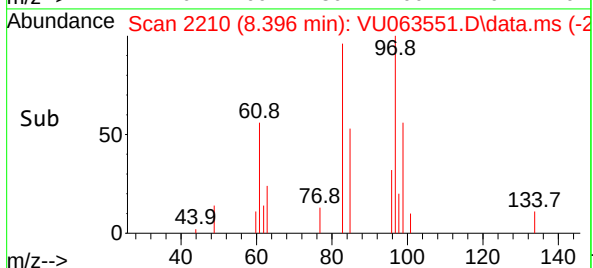
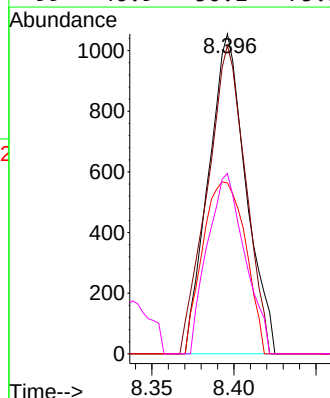
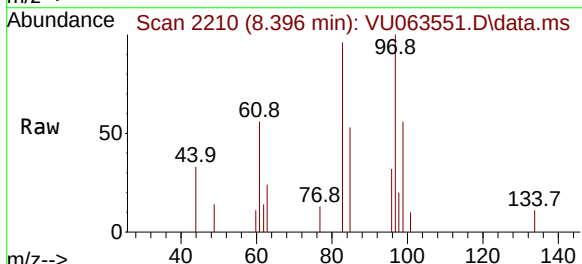
Ion Ratio Lower Upper

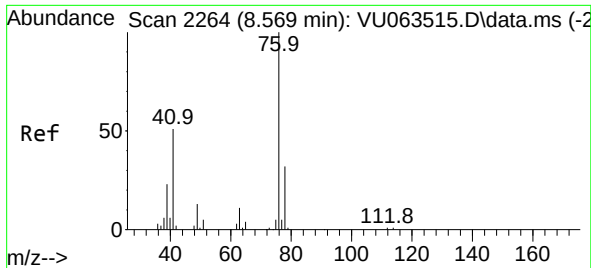
97 100

83 80.1 70.2 105.2

85 44.4 45.2 67.8#

99 46.9 50.1 75.1#

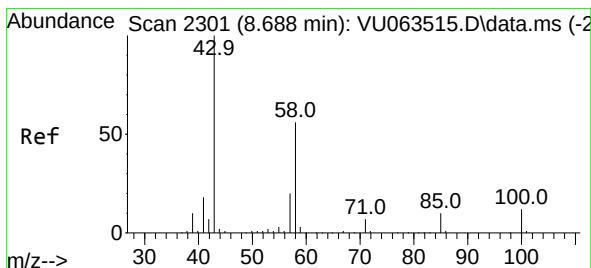
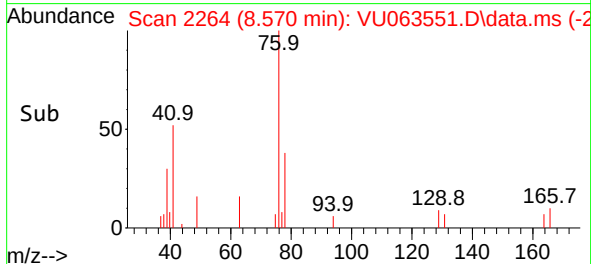
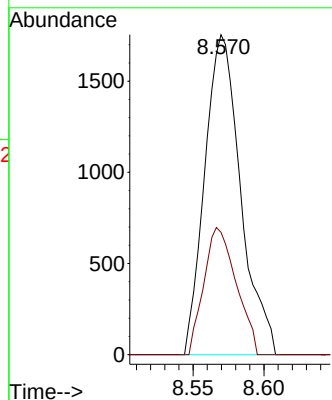
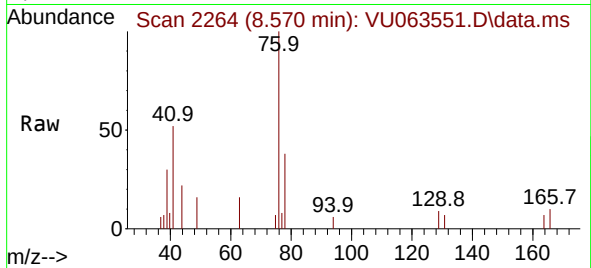




#53
1,3-Dichloropropane
Concen: 0.422 ug/l
RT: 8.570 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

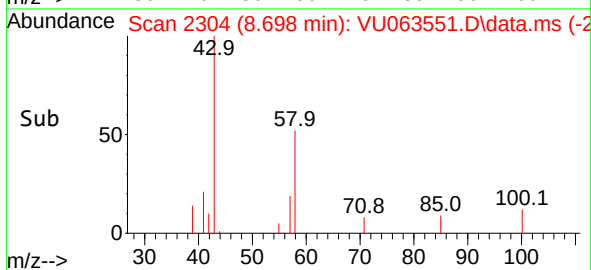
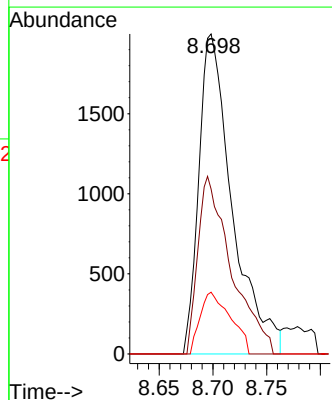
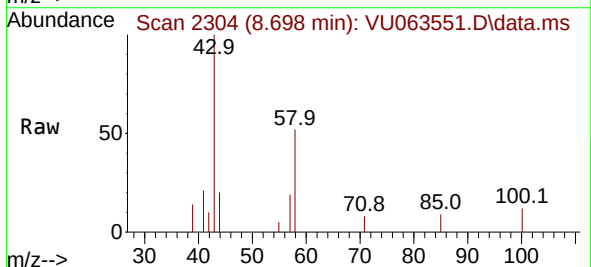
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

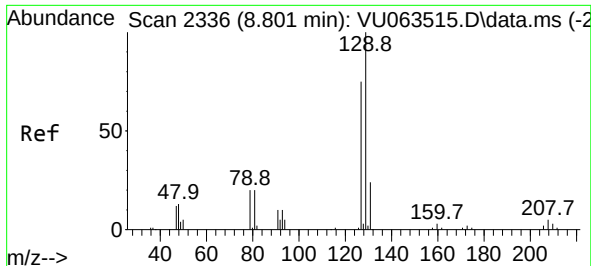
Tgt Ion: 76 Resp: 3083
Ion Ratio Lower Upper
76 100
78 35.8 26.0 39.0



#54
2-Hexanone
Concen: 2.011 ug/l
RT: 8.698 min Scan# 2304
Delta R.T. 0.010 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 43 Resp: 4326
Ion Ratio Lower Upper
43 100
58 55.5 34.8 74.8
57 17.5 0.0 39.5

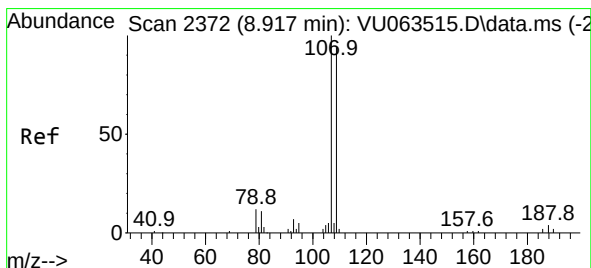
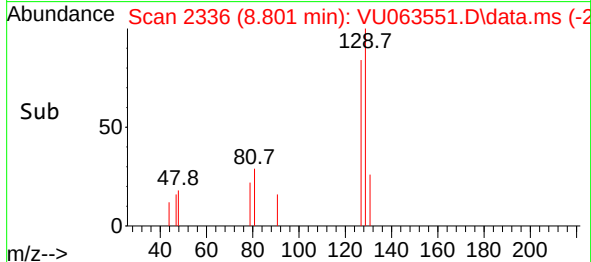
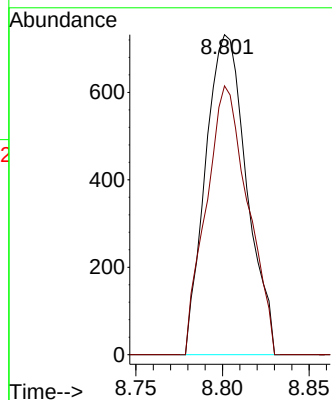
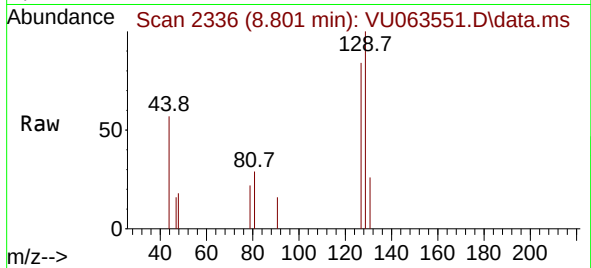




#55
Dibromochloromethane
Concen: 0.270 ug/l
RT: 8.801 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

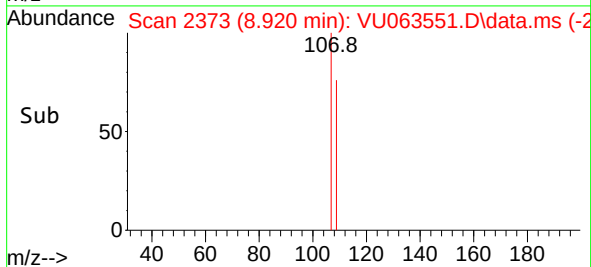
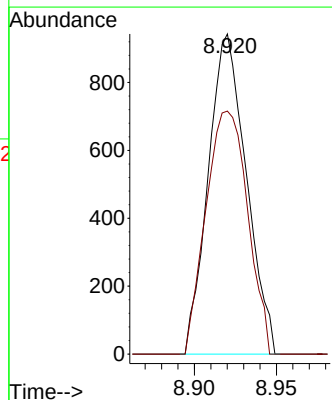
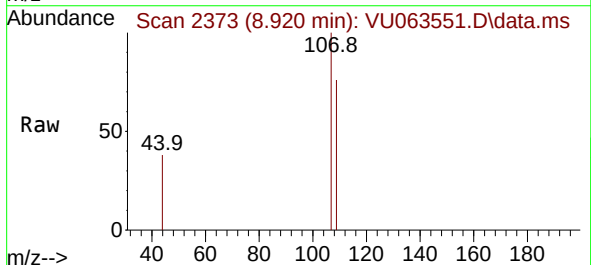
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

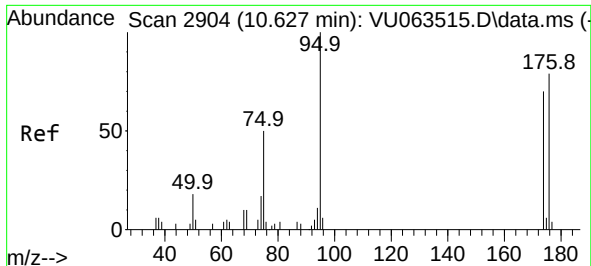
Tgt Ion:129 Resp: 1209
Ion Ratio Lower Upper
129 100
127 85.1 60.1 90.1



#56
1,2-Dibromoethane
Concen: 0.401 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:107 Resp: 1517
Ion Ratio Lower Upper
107 100
109 83.5 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.749 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

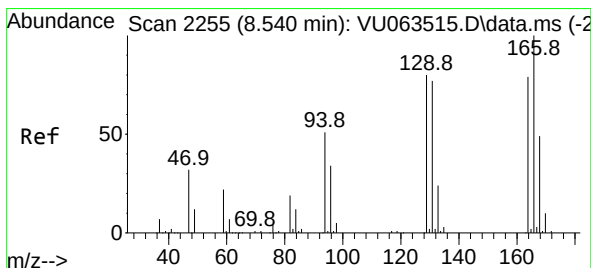
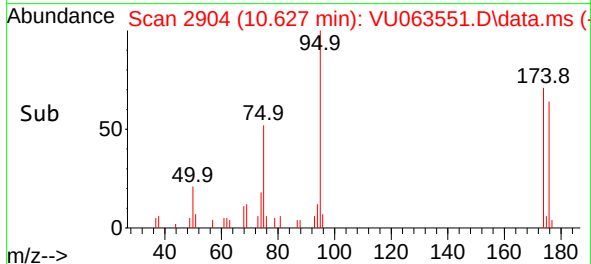
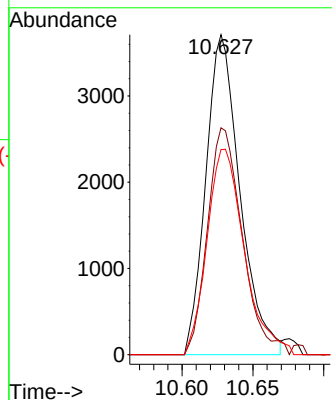
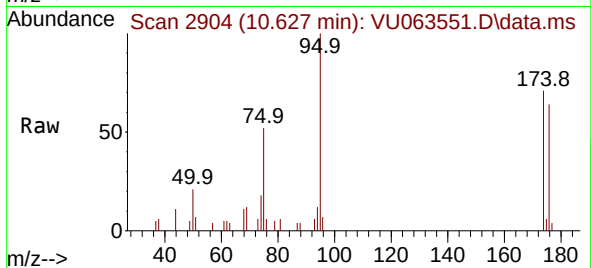
Tgt Ion: 95 Resp: 6237

Ion Ratio Lower Upper

95 100

174 72.1 59.8 89.8

176 69.9 61.8 92.8



#58

Tetrachloroethene

Concen: 0.388 ug/l

RT: 8.541 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Tgt Ion: 164 Resp: 2351

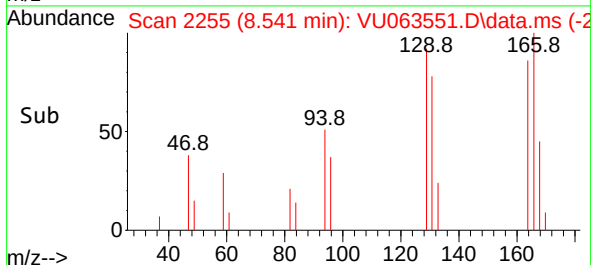
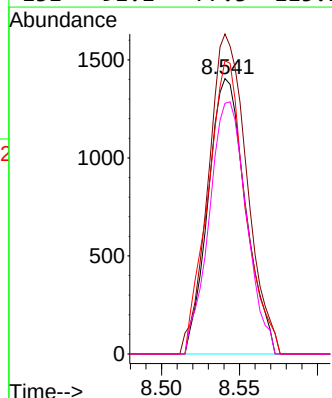
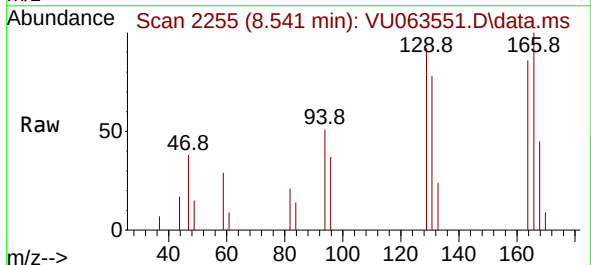
Ion Ratio Lower Upper

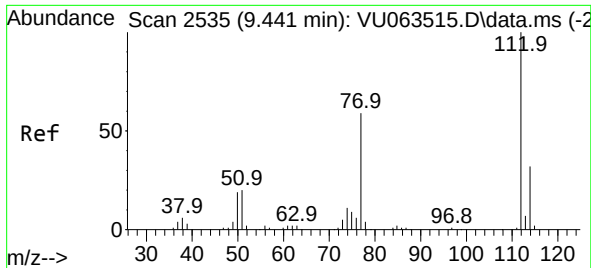
164 100

166 116.2 100.7 151.1

129 106.6 80.6 120.8

131 91.1 77.3 115.9

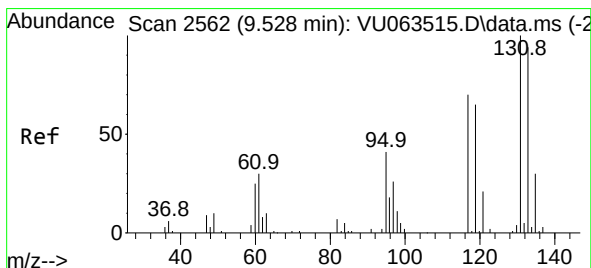
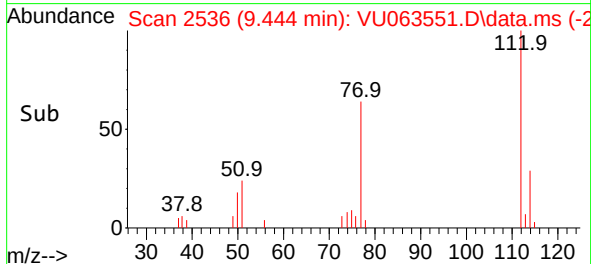
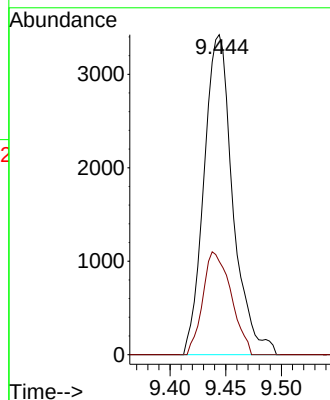
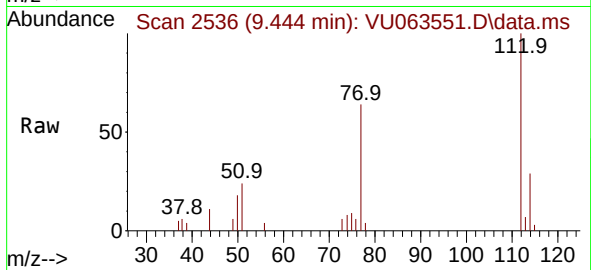




#59
Chlorobenzene
Concen: 0.380 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

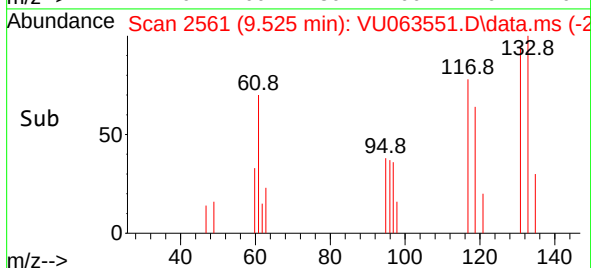
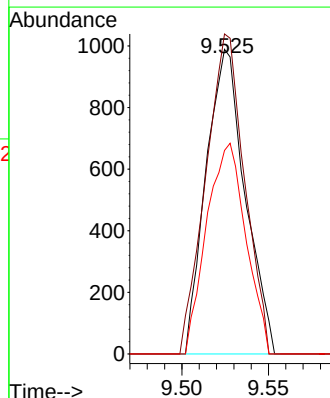
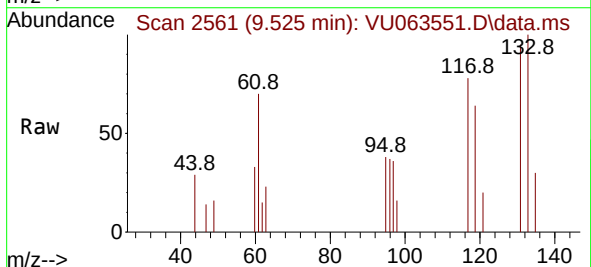
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

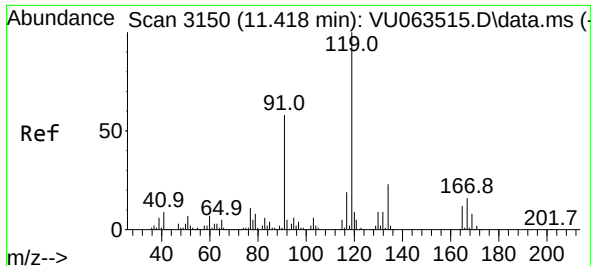
Tgt Ion:112 Resp: 6175
Ion Ratio Lower Upper
112 100
114 29.1 25.4 38.2



#60
1,1,1,2-Tetrachloroethane
Concen: 0.297 ug/l
RT: 9.525 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:131 Resp: 1551
Ion Ratio Lower Upper
131 100
133 103.9 74.7 112.1
119 69.4 53.0 79.4

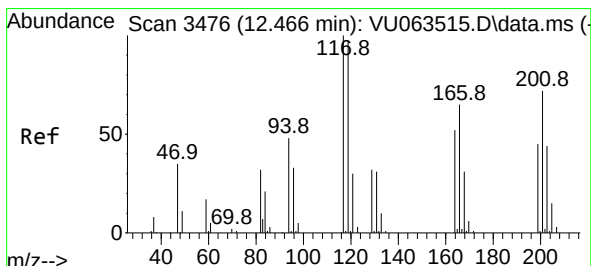
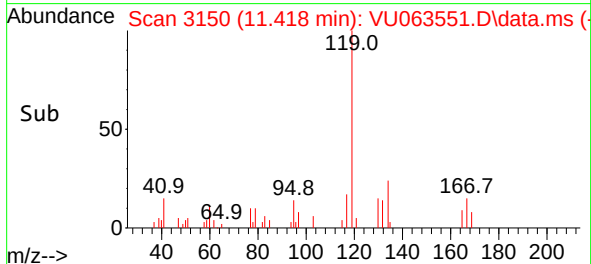
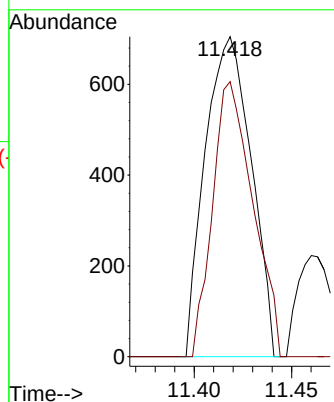
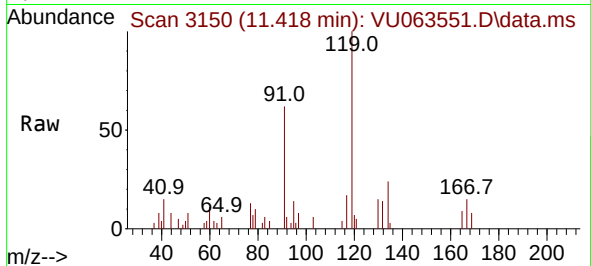




#61
 Pentachloroethane
 Concen: 0.314 ug/l
 RT: 11.418 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

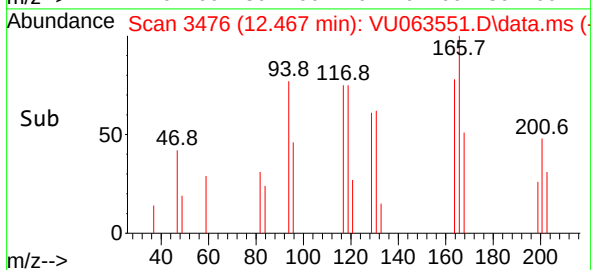
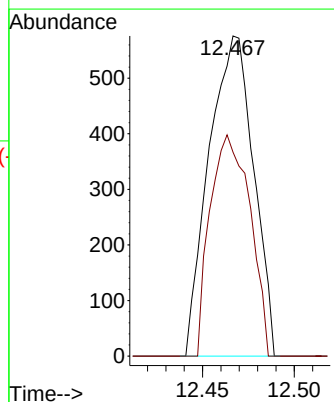
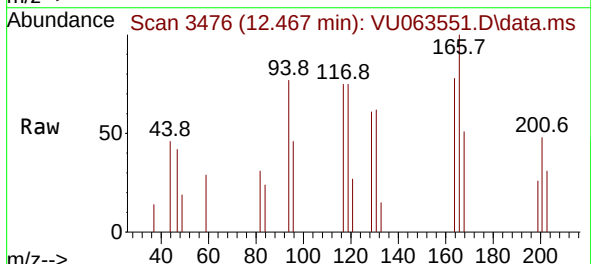
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

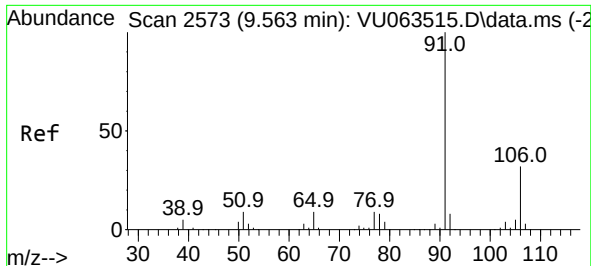
Tgt Ion:117 Resp: 1159
 Ion Ratio Lower Upper
 117 100
 167 75.2 65.0 97.6



#62
 Hexachloroethane
 Concen: 0.266 ug/l
 RT: 12.467 min Scan# 3476
 Delta R.T. 0.000 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

Tgt Ion:117 Resp: 974
 Ion Ratio Lower Upper
 117 100
 201 61.8 57.4 86.0

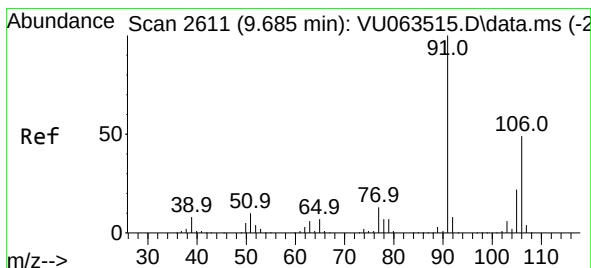
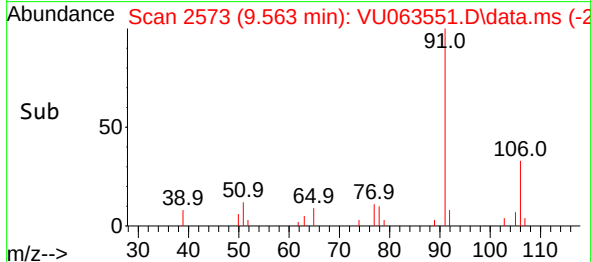
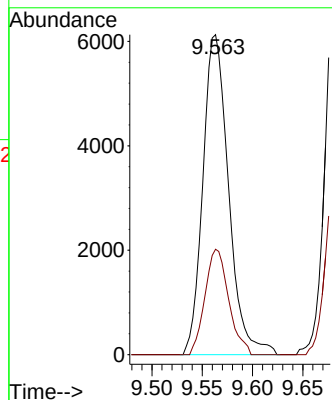
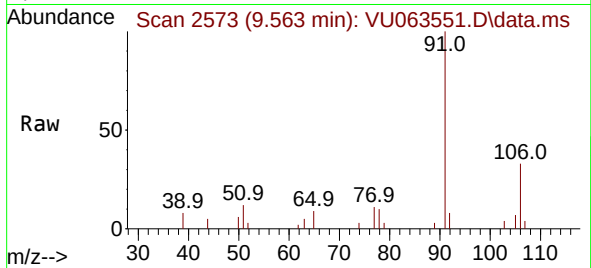




#63
Ethyl Benzene
Concen: 0.390 ug/l
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

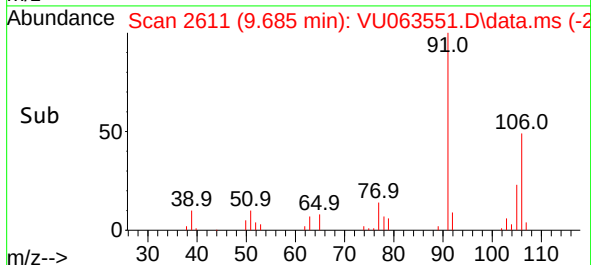
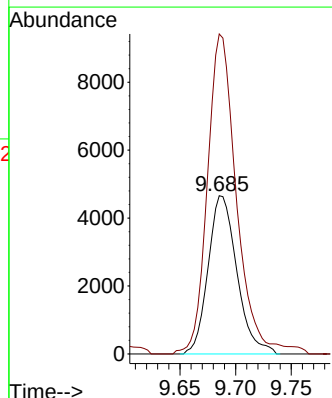
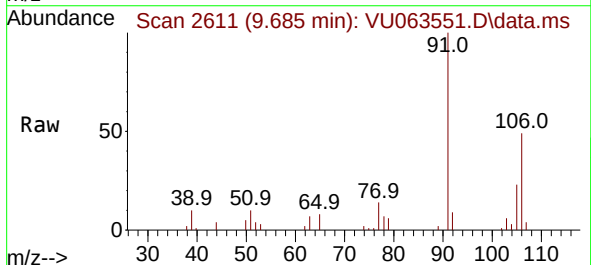
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

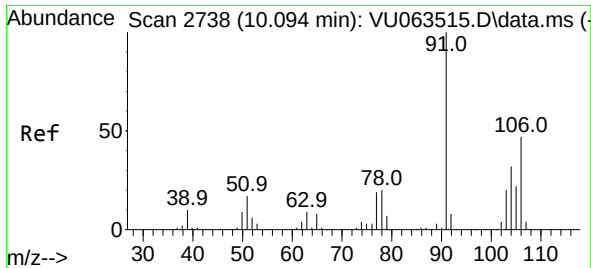
Tgt Ion: 91 Resp: 10904
Ion Ratio Lower Upper
91 100
106 33.0 25.4 38.0



#64
m/p-Xylenes
Concen: 0.770 ug/l
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 106 Resp: 8373
Ion Ratio Lower Upper
106 100
91 205.1 163.6 245.4

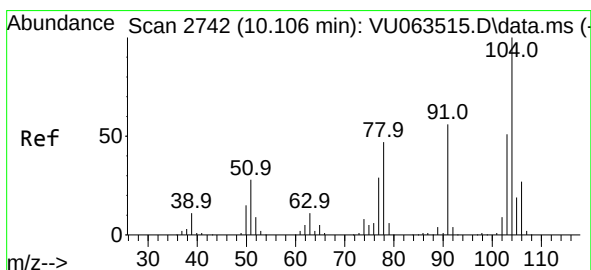
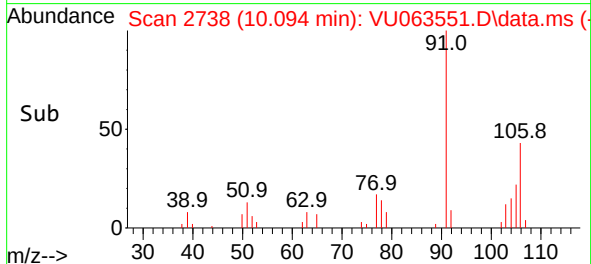
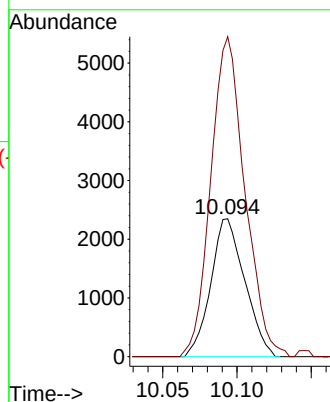
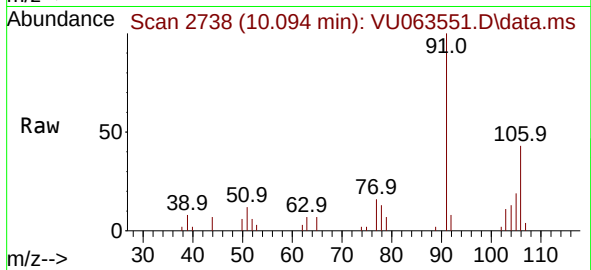




#65
o-Xylene
Concen: 0.357 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

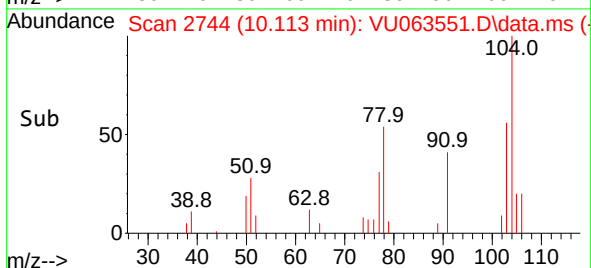
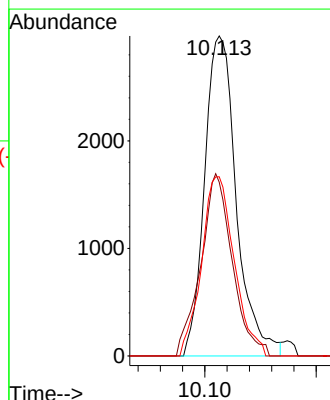
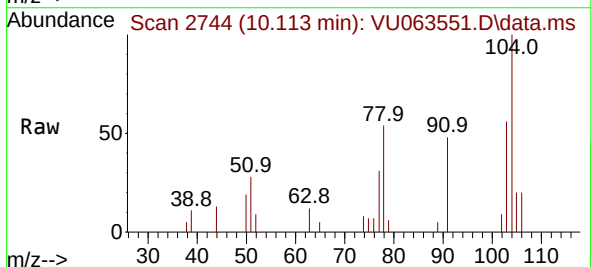
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

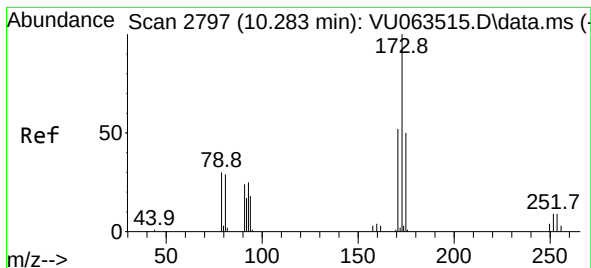
Tgt Ion:106 Resp: 3733
Ion Ratio Lower Upper
106 100
91 233.2 108.1 324.4



#66
Styrene
Concen: 0.354 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.007 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:104 Resp: 5901
Ion Ratio Lower Upper
104 100
78 56.5 41.3 61.9
103 57.6 43.6 65.4





#67

Bromoform

Concen: 0.265 ug/l

RT: 10.287 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

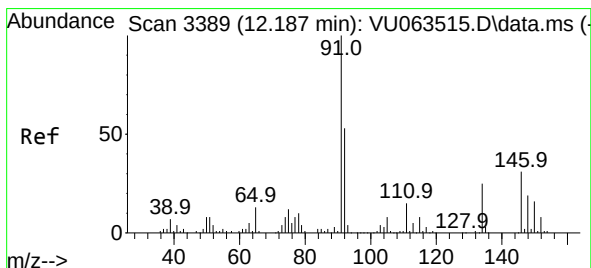
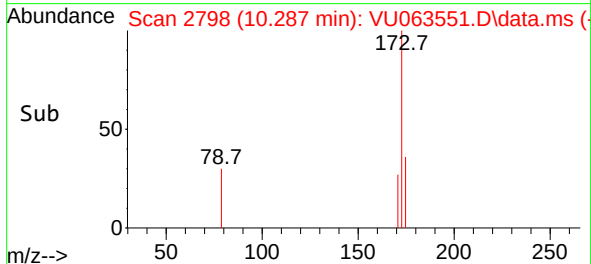
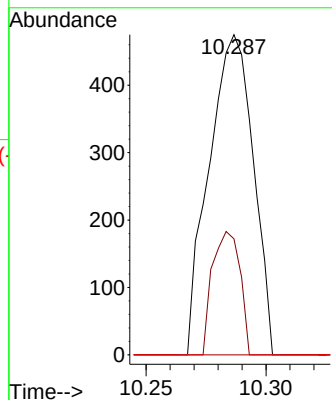
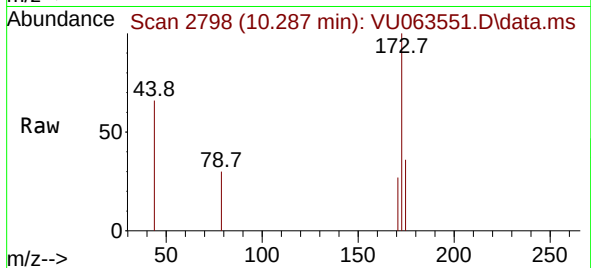
Tgt Ion:173 Resp: 609

Ion Ratio Lower Upper

173 100

175 24.0 39.0 58.4#

254 0.0 6.5 9.7#



#68

1,2-Dichlorobenzene-d4

Concen: 0.779 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

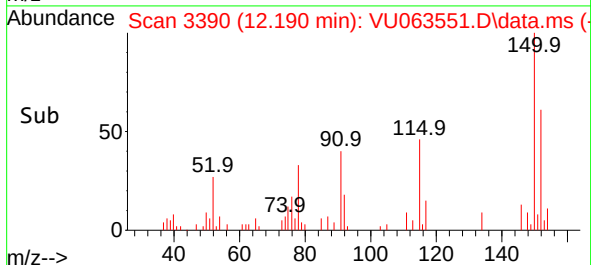
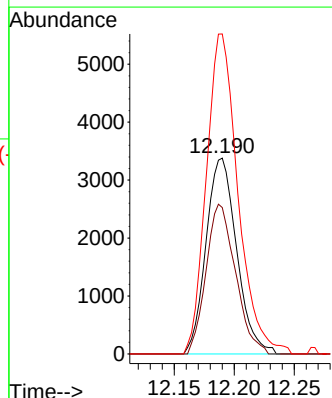
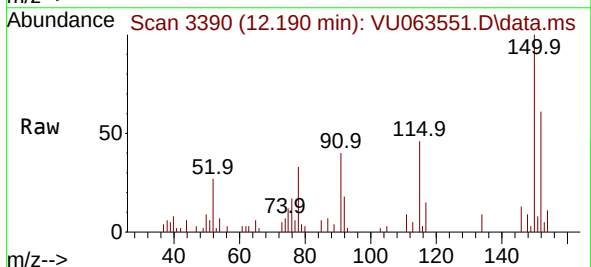
Tgt Ion:152 Resp: 6003

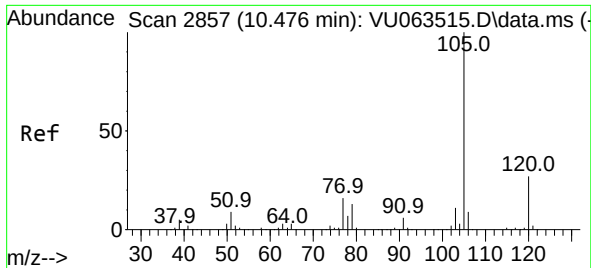
Ion Ratio Lower Upper

152 100

115 73.4 0.0 262.2

150 168.8 0.0 651.2

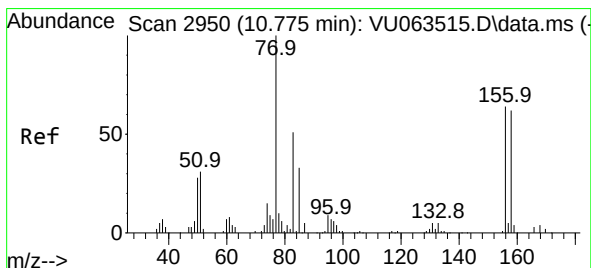
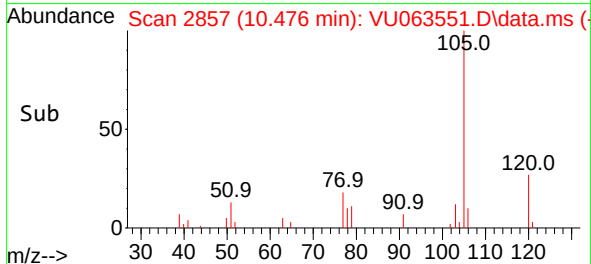
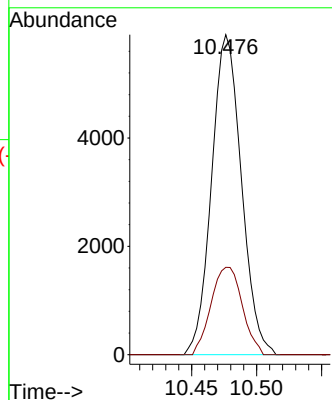
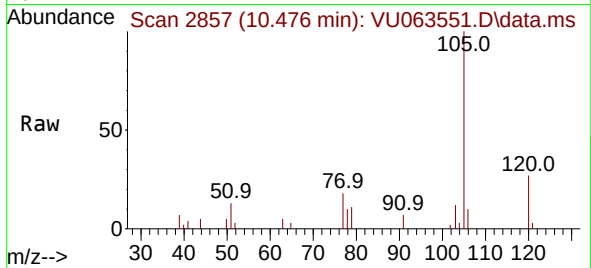




#69
Isopropylbenzene
Concen: 0.373 ug/l
RT: 10.476 min Scan# 2149
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

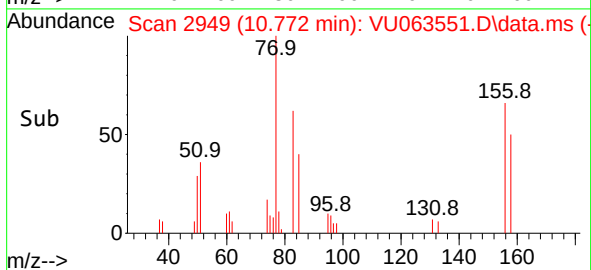
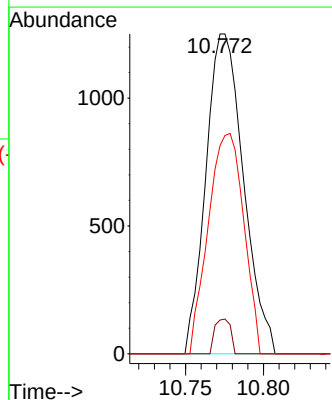
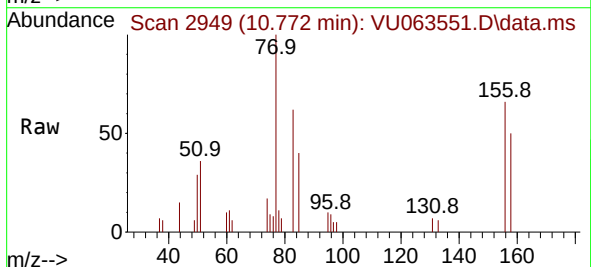
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

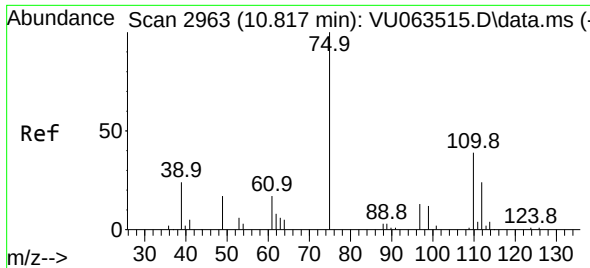
Tgt Ion:105 Resp: 9412
Ion Ratio Lower Upper
105 100
120 28.6 13.2 39.5



#70
1,1,2,2-Tetrachloroethane
Concen: 0.407 ug/l
RT: 10.772 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 83 Resp: 2097
Ion Ratio Lower Upper
83 100
131 4.5 8.4 12.6#
85 64.8 51.9 77.9

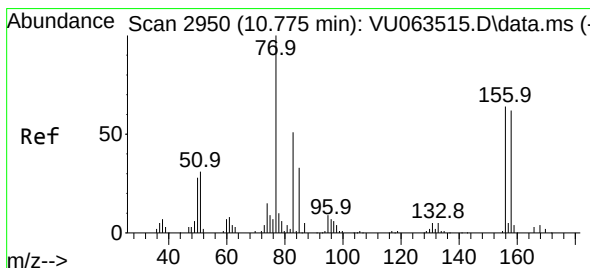
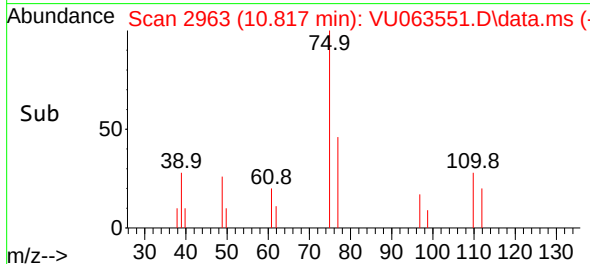
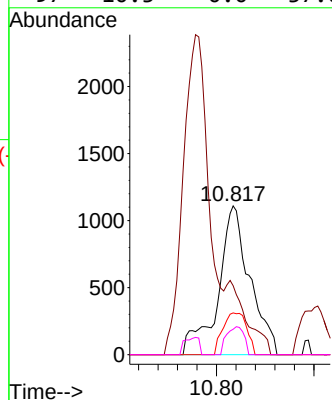
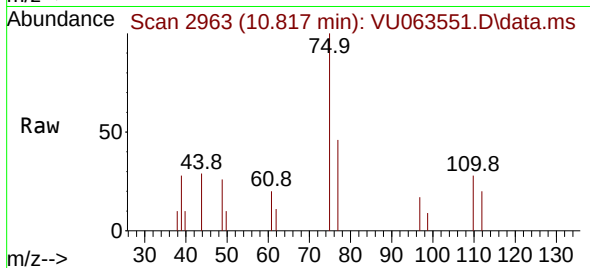




#71
1,2,3-Trichloropropane
Concen: 0.599 ug/l
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

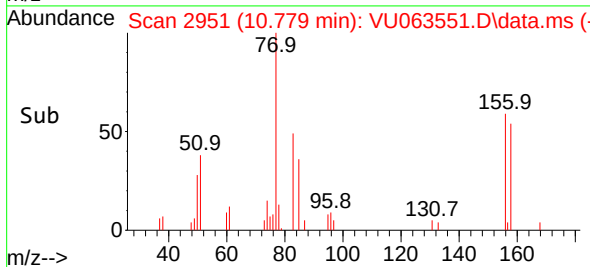
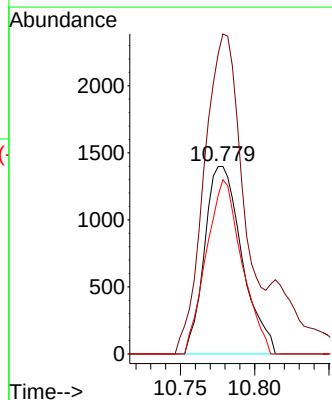
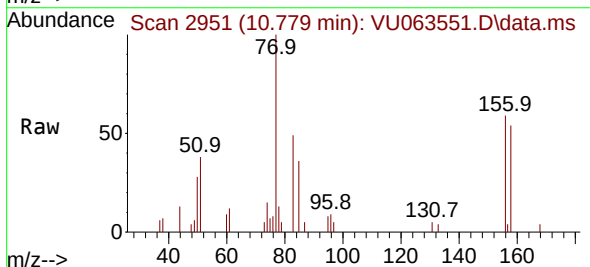
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

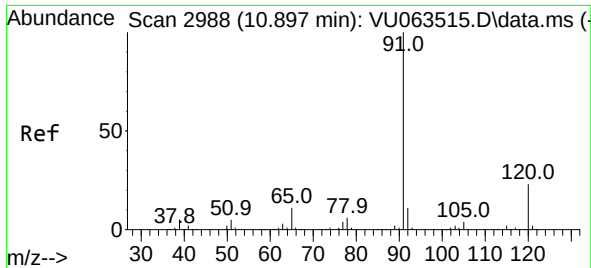
Tgt Ion: 75	Resp:	2504
Ion Ratio	Lower	Upper
75	100	
77	0.0	0.0
110	21.1	73.2
97	10.3	37.6



#72
Bromobenzene
Concen: 0.375 ug/l
RT: 10.779 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion: 156	Resp:	2445
Ion Ratio	Lower	Upper
156	100	
77	177.6	315.2
158	88.5	195.4

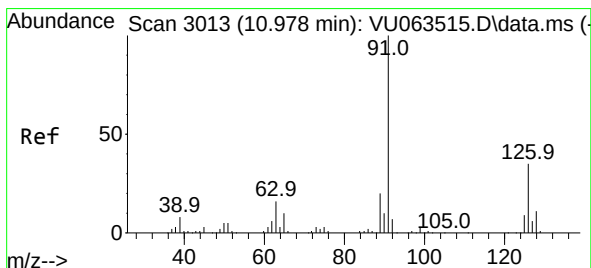
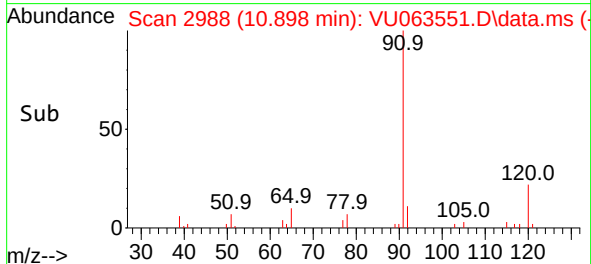
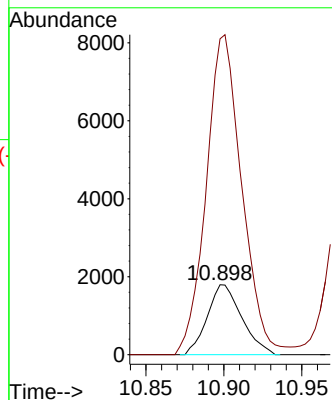
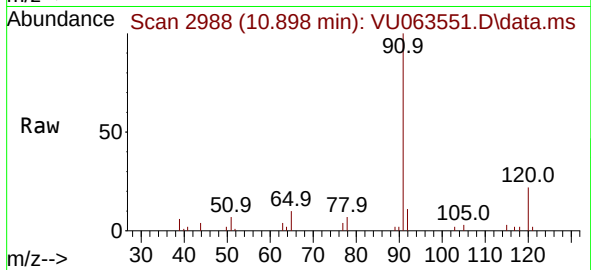




#73
n-propylbenzene
Concen: 0.363 ug/l
RT: 10.898 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

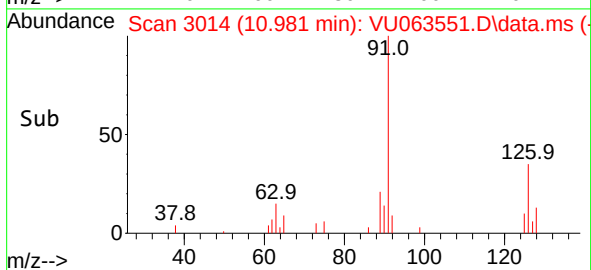
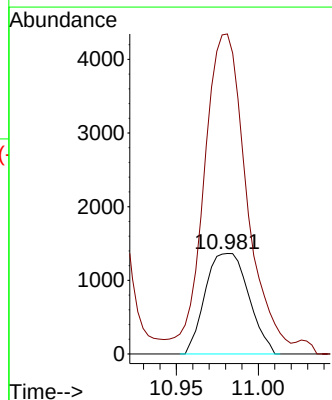
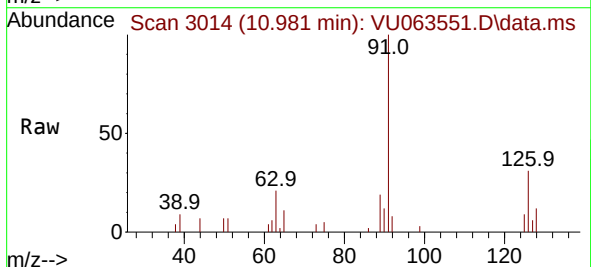
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

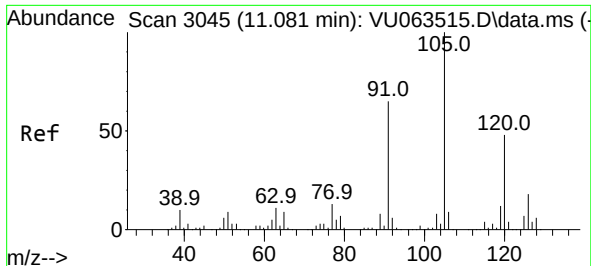
Tgt Ion:120 Resp: 2763
Ion Ratio Lower Upper
120 100
91 472.1 343.1 514.7



#74
2-Chlorotoluene
Concen: 0.373 ug/l
RT: 10.981 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:126 Resp: 2504
Ion Ratio Lower Upper
126 100
91 293.4 0.0 606.0

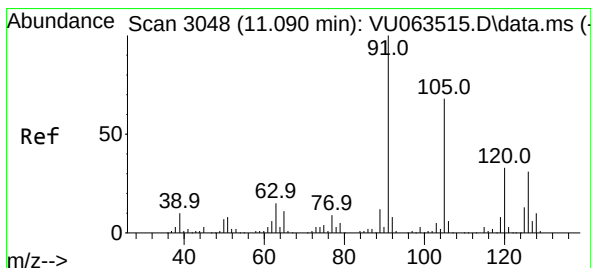
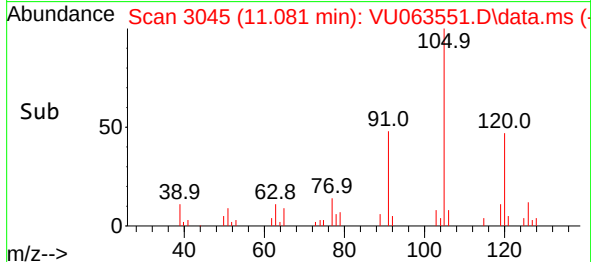
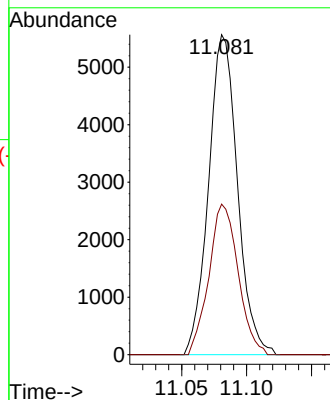
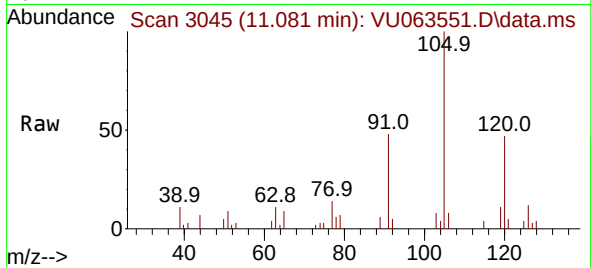




#75
1,3,5-Trimethylbenzene
Concen: 0.357 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

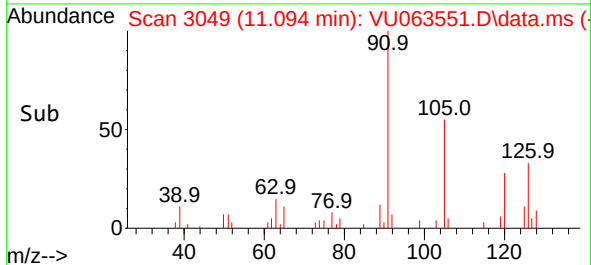
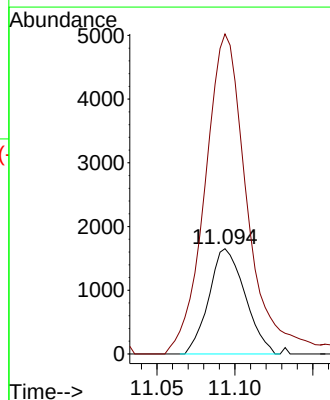
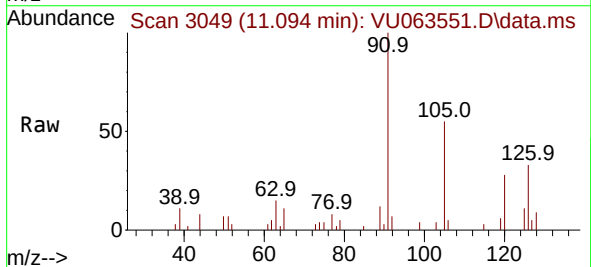
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

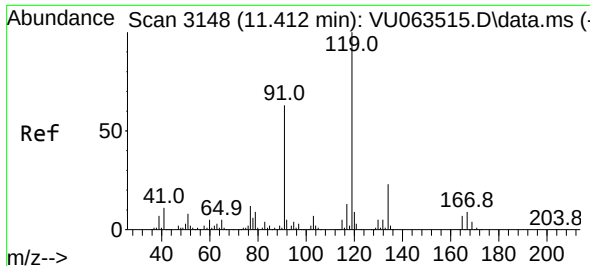
Tgt Ion:105 Resp: 8605
Ion Ratio Lower Upper
105 100
120 47.6 37.8 56.8



#76
4-Chlorotoluene
Concen: 0.389 ug/l
RT: 11.094 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:126 Resp: 2655
Ion Ratio Lower Upper
126 100
91 357.8 0.0 682.2

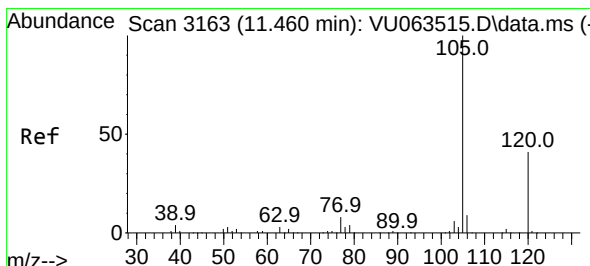
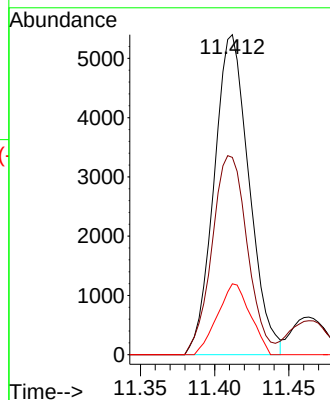
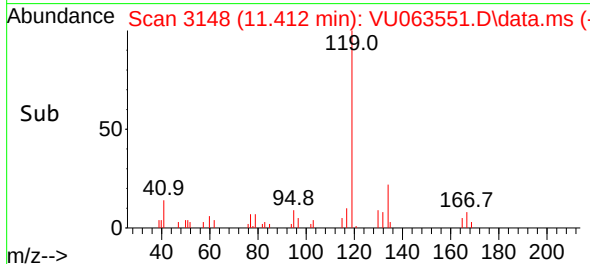
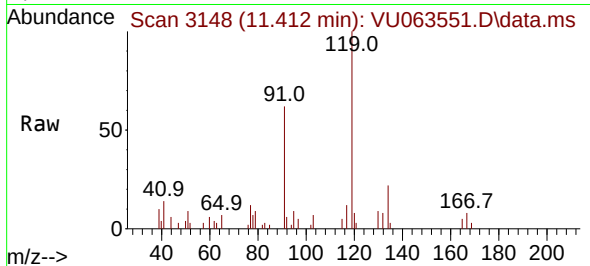




#77
tert-Butylbenzene
Concen: 0.384 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

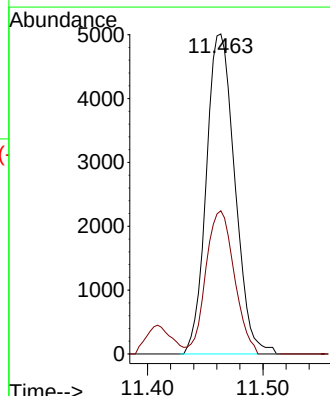
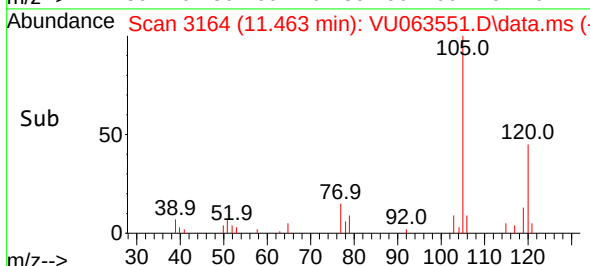
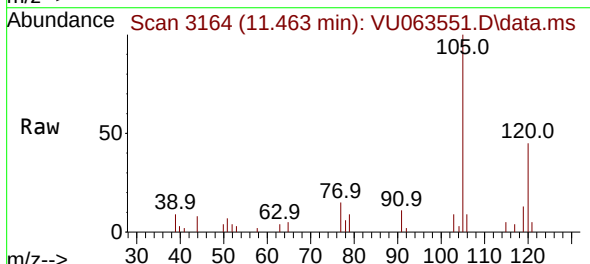
Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

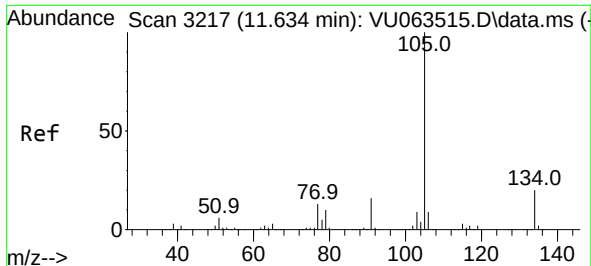
Tgt Ion:	119	Resp:	8855
Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.7	92.1
134	20.7	18.5	27.7



#78
1,2,4-Trimethylbenzene
Concen: 0.359 ug/l
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU063551.D
Acq: 21 Jul 2025 16:42

Tgt Ion:	105	Resp:	8603
Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.7	68.0

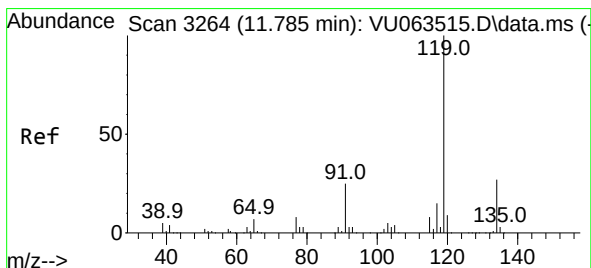
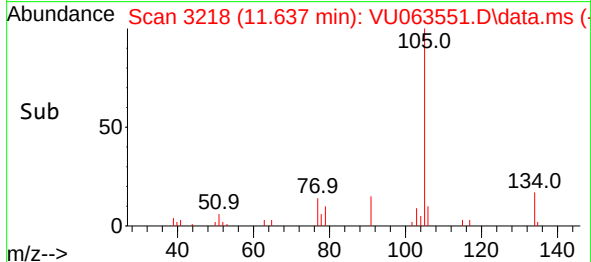
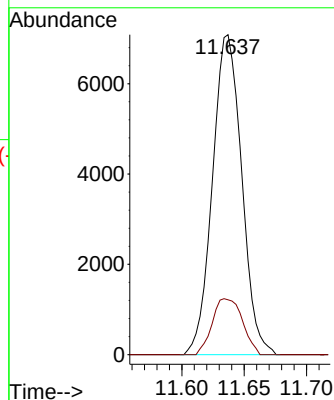
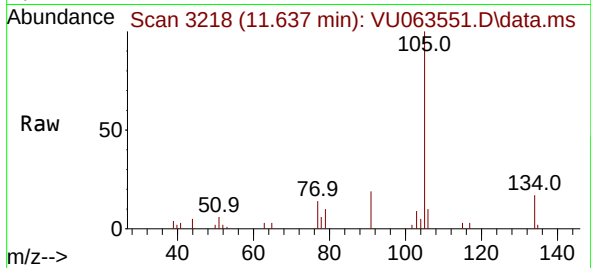




#79
 sec-Butylbenzene
 Concen: 0.372 ug/l
 RT: 11.637 min Scan# 3217
 Delta R.T. 0.003 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

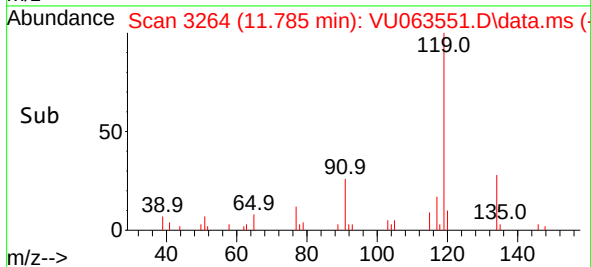
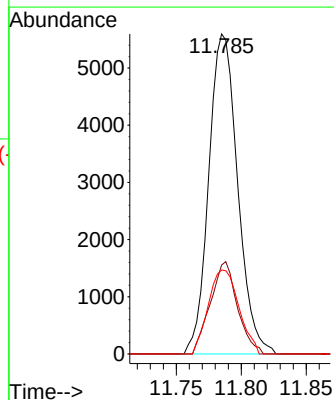
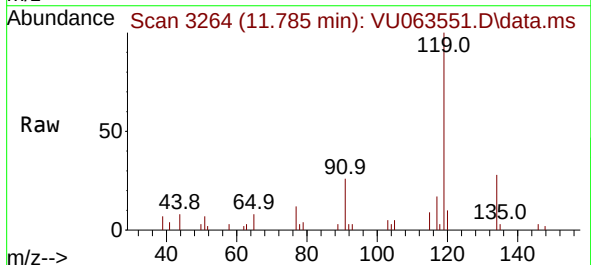
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

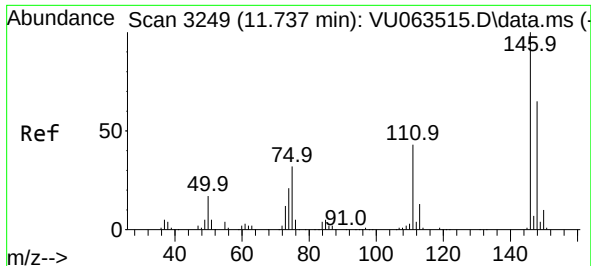
Tgt Ion:105 Resp: 11576
 Ion Ratio Lower Upper
 105 100
 134 18.0 16.2 24.4



#81
 p-Isopropyltoluene
 Concen: 0.333 ug/l
 RT: 11.785 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

Tgt Ion:119 Resp: 8650
 Ion Ratio Lower Upper
 119 100
 134 27.0 21.1 31.7
 91 27.7 19.8 29.8





#82

1,3-Dichlorobenzene

Concen: 0.393 ug/l

RT: 11.743 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

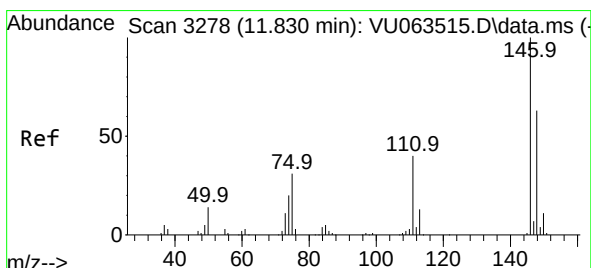
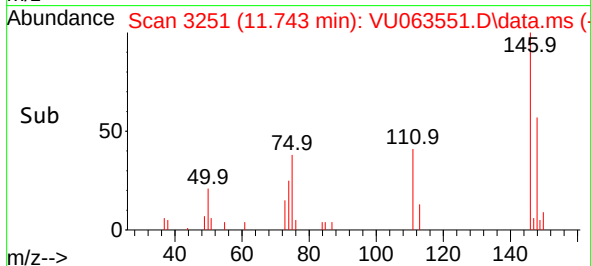
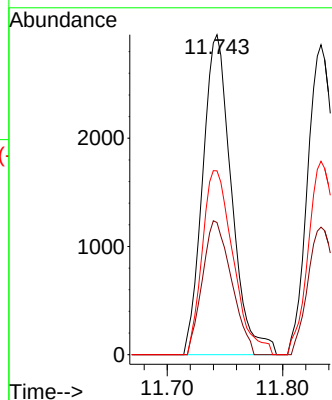
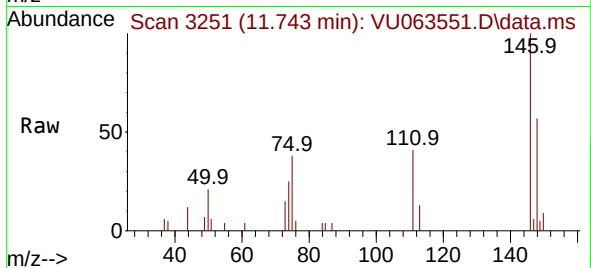
Tgt Ion:146 Resp: 5130

Ion Ratio Lower Upper

146 100

111 42.0 33.8 50.6

148 61.5 51.5 77.3



#83

1,4-Dichlorobenzene

Concen: 0.383 ug/l

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

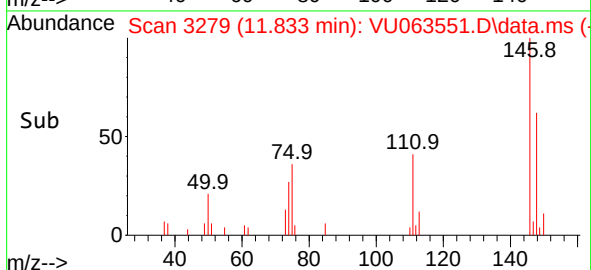
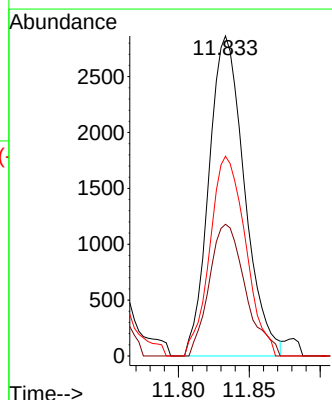
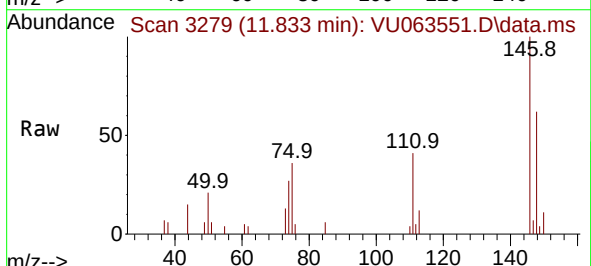
Tgt Ion:146 Resp: 5005

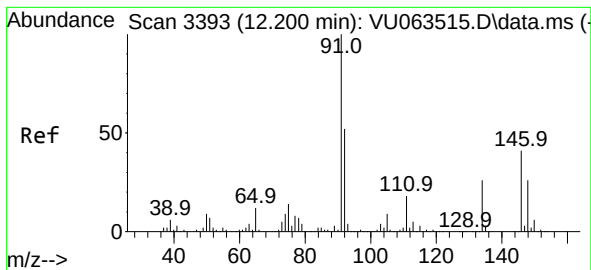
Ion Ratio Lower Upper

146 100

111 41.8 32.0 48.0

148 62.5 50.2 75.2





#84

n-Butylbenzene

Concen: 0.377 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

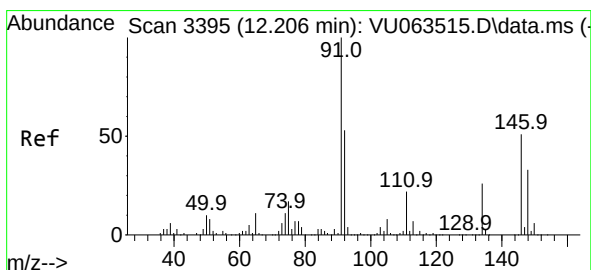
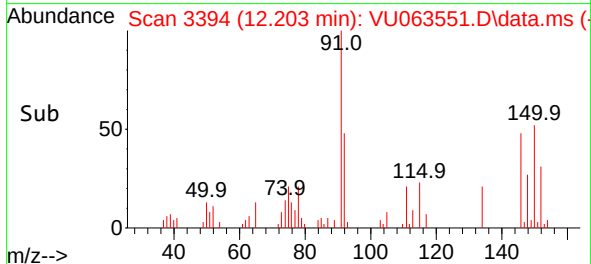
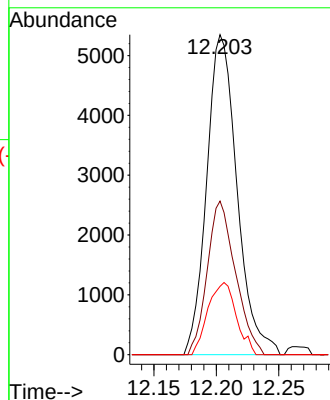
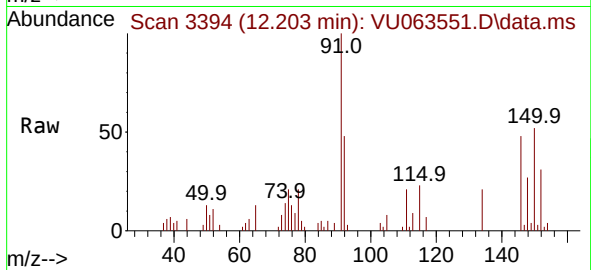
Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

Tgt Ion:	91	Resp:	9075
Ion	Ratio	Lower	Upper
91	100		
92	44.5	41.5	62.3
134	21.1	20.6	30.8



#85

1,2-Dichlorobenzene

Concen: 0.390 ug/l

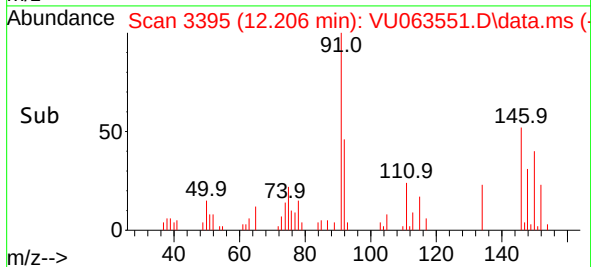
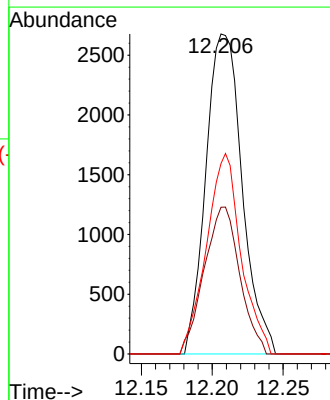
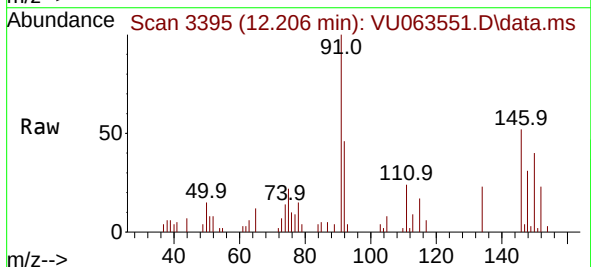
RT: 12.206 min Scan# 3395

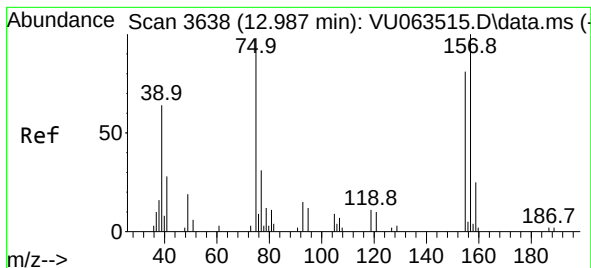
Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Tgt Ion:	146	Resp:	4780
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.7	65.1
148	59.4	31.8	95.3

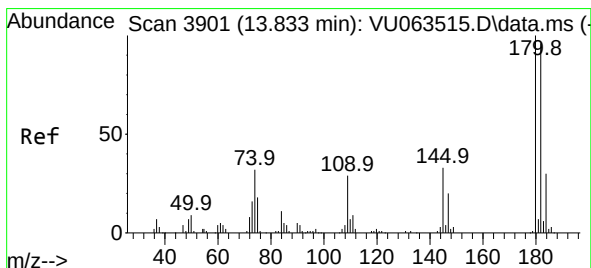
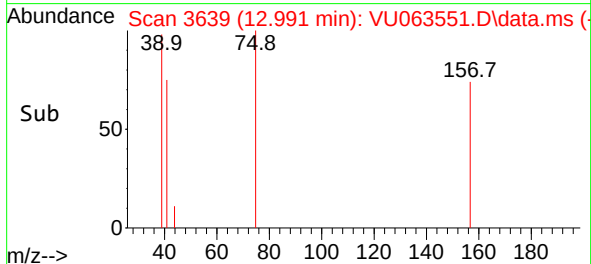
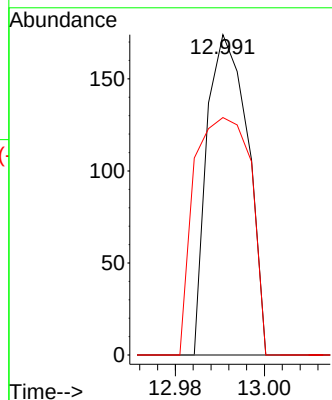
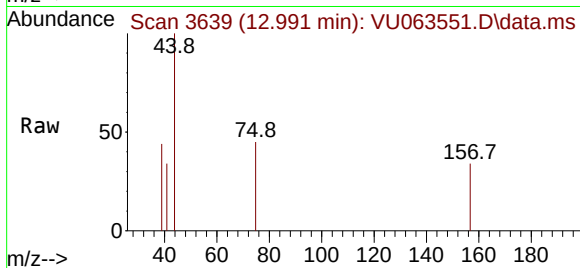




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.150 ug/l
 RT: 12.991 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

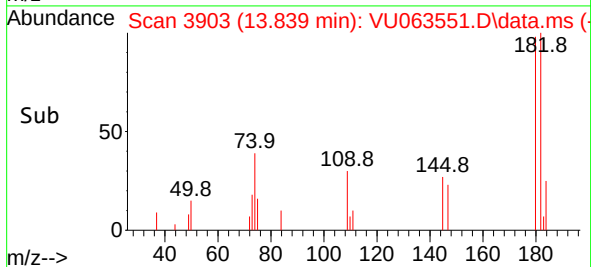
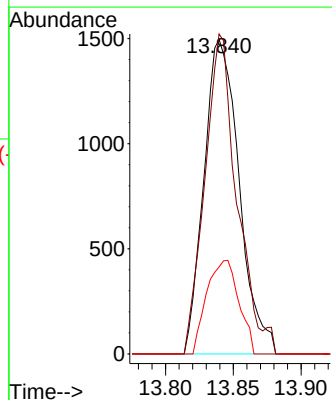
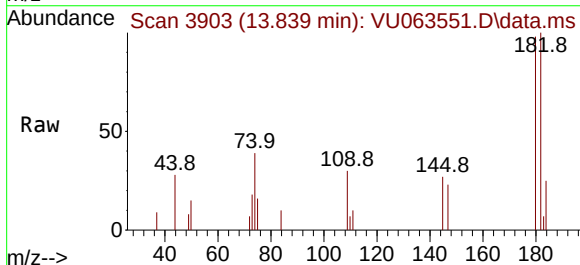
Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

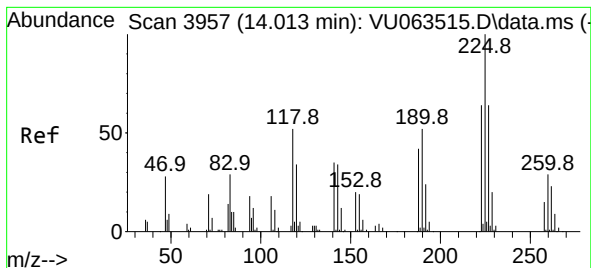
Tgt Ion: 75 Resp: 110
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.8 98.6#
 157 103.6 81.4 122.2



#87
 1,2,4-Trichlorobenzene
 Concen: 0.354 ug/l
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.006 min
 Lab File: VU063551.D
 Acq: 21 Jul 2025 16:42

Tgt Ion: 180 Resp: 2698
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.2 114.4
 145 27.1 26.2 39.2





#88

Hexachlorobutadiene

Concen: 0.397 ug/l

RT: 14.013 min Scan# 3957

Delta R.T. 0.000 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK

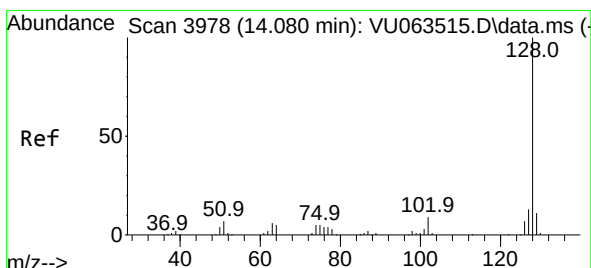
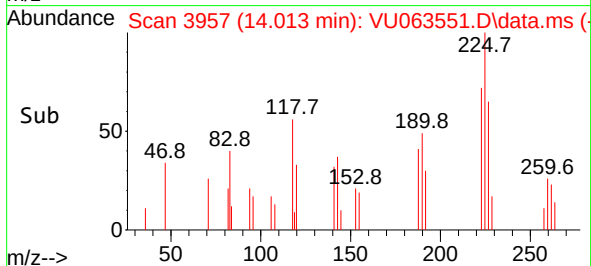
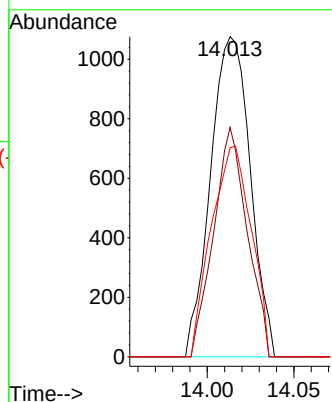
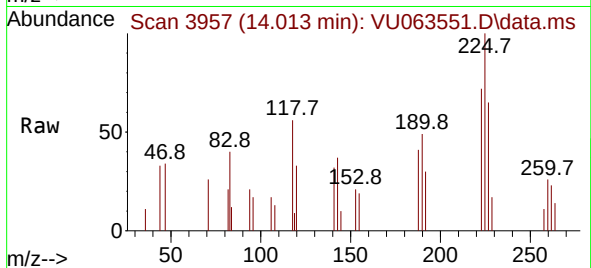
Tgt Ion:225 Resp: 1717

Ion Ratio Lower Upper

225 100

223 60.7 50.8 76.2

227 66.2 51.0 76.6



#89

Naphthalene

Concen: 0.407 ug/l

RT: 14.090 min Scan# 3981

Delta R.T. 0.010 min

Lab File: VU063551.D

Acq: 21 Jul 2025 16:42

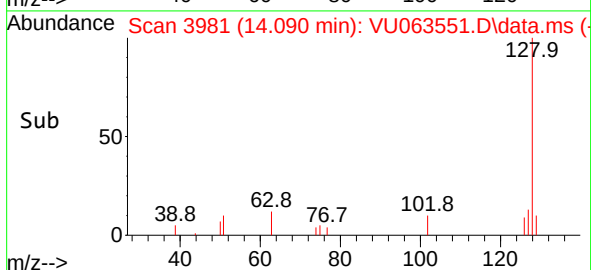
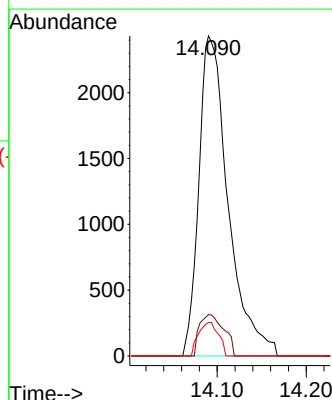
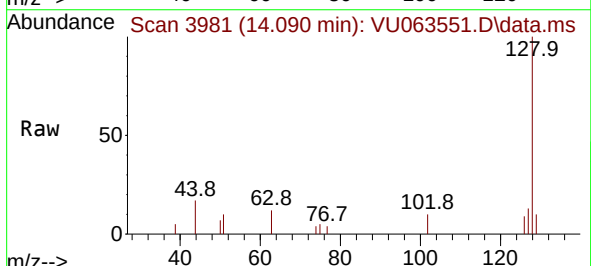
Tgt Ion:128 Resp: 5558

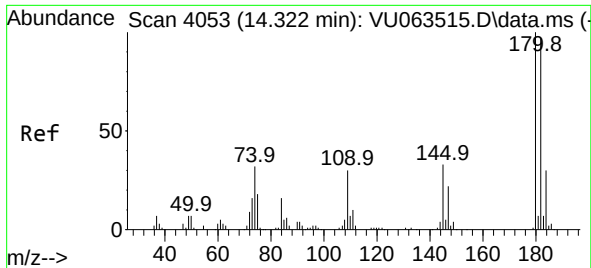
Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.4

129 7.1 8.8 13.2#





#90

1,2,3-Trichlorobenzene

Concen: 0.388 ug/l

RT: 14.328 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU063551.D

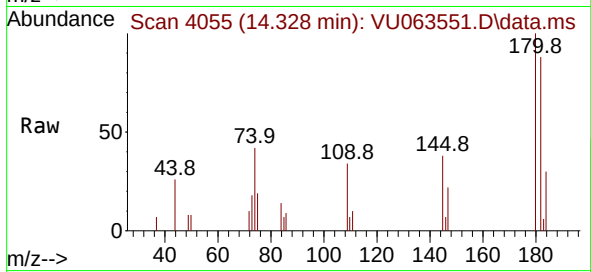
Acq: 21 Jul 2025 16:42

Instrument :

MSVOA_U

ClientSampleId :

RL-CHECK



Tgt Ion:180 Resp: 2735

Ion Ratio Lower Upper

180 100

182 93.2 78.0 117.0

145 36.9 27.3 40.9

