

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111125\
 Data File : VU063704.D
 Acq On : 11 Nov 2025 14:31
 Operator : MD/SY
 Sample : Q3530-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 12 02:27:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 12 02:25:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.345	168	199209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	334740	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	313232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	154299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	139661	47.459	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.920%
35) Dibromofluoromethane	5.258	113	105452	44.978	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.960%
50) Toluene-d8	7.872	98	377700	44.843	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.680%#
62) 4-Bromofluorobenzene	10.608	95	155667	44.678	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.360%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.374	85	171	0.142	ug/l #	41
3) Chloromethane	1.512	50	533	0.381	ug/l #	86
4) Vinyl Chloride	1.592	62	383	0.259	ug/l #	33
5) Bromomethane	1.840	94	496	0.477	ug/l	94
6) Chloroethane	1.923	64	428	0.382	ug/l	91
7) Trichlorofluoromethane	2.116	101	565	0.200	ug/l	94
8) Diethyl Ether	2.361	74	341	0.283	ug/l #	14
9) 1,1,2-Trichlorotrifluo...	2.550	101	154	0.086	ug/l #	20
10) Methyl Iodide	2.692	142	199	0.111	ug/l #	87
11) Tert butyl alcohol	3.161	59	2404	3.501	ug/l #	73
12) 1,1-Dichloroethene	2.554	96	461	0.298	ug/l #	75
13) Acrolein	2.460	56	158	2.878	ug/l #	1
14) Allyl chloride	2.894	41	399	0.138	ug/l #	60
15) Acrylonitrile	3.332	53	491	0.349	ug/l #	76
16) Acetone	2.605	43	2766	1.437	ug/l #	86
17) Carbon Disulfide	2.769	76	1246	0.547	ug/l #	71
18) Methyl Acetate	2.933	43	447	0.098	ug/l #	49
19) Methyl tert-butyl Ether	3.341	73	1392	0.199	ug/l	97
20) Methylene Chloride	3.020	84	4306	1.962	ug/l	96
21) trans-1,2-Dichloroethene	3.335	96	436	0.274	ug/l #	31
22) Diisopropyl ether	3.959	45	1349	0.212	ug/l #	71
23) Vinyl Acetate	3.962	43	507	0.117	ug/l #	71
24) 1,1-Dichloroethane	3.843	63	488	0.133	ug/l #	81
25) 2-Butanone	4.698	43	41	0.020	ug/l #	47
26) 2,2-Dichloropropane	4.624	77	286	0.091	ug/l #	54
27) cis-1,2-Dichloroethene	4.644	96	268	0.115	ug/l	34
28) Bromochloromethane	4.946	49	110	0.075	ug/l #	1
29) Tetrahydrofuran	5.026	42	47	0.040	ug/l #	1
30) Chloroform	5.062	83	850	0.211	ug/l #	62
31) Cyclohexane	5.341	56	4953	1.912	ug/l #	1
32) 1,1,1-Trichloroethane	5.287	97	733	0.222	ug/l #	43
36) 1,1-Dichloropropene	5.505	75	757	0.317	ug/l #	50
37) Ethyl Acetate	4.766	43	134	0.040	ug/l #	69
38) Carbon Tetrachloride	5.492	117	733	0.284	ug/l #	56
39) Methylcyclohexane	6.734	83	642	0.237	ug/l #	56
40) Benzene	5.750	78	1720	0.223	ug/l	94

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 12 02:25:49 2025
 Response via : Initial Calibration

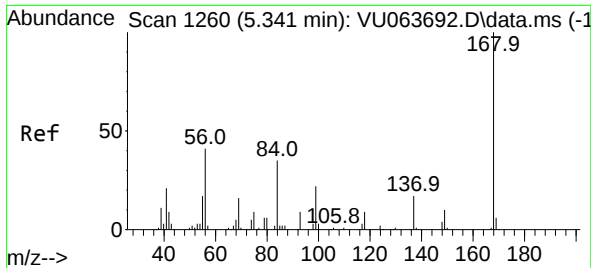
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.997	41	106	0.060	ug/l #	19
42) 1,2-Dichloroethane	5.779	62	545	0.179	ug/l #	75
43) Isopropyl Acetate	5.904	43	388	0.078	ug/l #	60
44) Trichloroethene	6.525	130	562	0.260	ug/l	98
45) 1,2-Dichloropropane	6.769	63	417	0.199	ug/l #	44
46) Dibromomethane	6.901	93	306	0.195	ug/l #	63
47) Bromodichloromethane	7.084	83	404	0.127	ug/l #	95
48) Methyl methacrylate	6.955	41	199	0.082	ug/l #	29
51) 4-Methyl-2-Pentanone	7.779	43	4710	1.243	ug/l	87
52) Toluene	7.949	92	1184	0.237	ug/l	91
53) t-1,3-Dichloropropene	8.184	75	228	0.085	ug/l #	44
54) cis-1,3-Dichloropropene	7.586	75	293	0.097	ug/l #	63
55) 1,1,2-Trichloroethane	8.370	97	168	0.073	ug/l #	53
56) Ethyl methacrylate	8.325	69	308	0.091	ug/l #	65
57) 1,3-Dichloropropane	8.560	76	602	0.161	ug/l #	69
59) 2-Hexanone	8.688	43	2036	0.721	ug/l #	20
60) Dibromochloromethane	8.778	129	197	0.082	ug/l #	41
61) 1,2-Dibromoethane	8.897	107	423	0.191	ug/l	98
64) Tetrachloroethene	8.531	164	448	0.222	ug/l #	86
65) Chlorobenzene	9.418	112	1915	0.313	ug/l #	77
66) 1,1,1,2-Tetrachloroethane	9.512	131	527	0.253	ug/l #	48
67) Ethyl Benzene	9.550	91	2546	0.250	ug/l #	85
68) m/p-Xylenes	9.676	106	1822	0.484	ug/l	87
69) o-Xylene	10.081	106	784	0.202	ug/l	97
70) Styrene	10.106	104	1574	0.252	ug/l	99
71) Bromoform	10.267	173	376	0.224	ug/l #	61
73) Isopropylbenzene	10.460	105	2535	0.262	ug/l	91
74) N-amyl acetate	10.319	43	617	0.183	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	10.766	83	594	0.160	ug/l #	86
76) 1,2,3-Trichloropropane	10.608	75	83689	21.523	ug/l #	100
77) Bromobenzene	10.766	156	967	0.396	ug/l	84
78) n-propylbenzene	10.884	91	4060	0.365	ug/l	90
79) 2-Chlorotoluene	10.968	91	2269	0.316	ug/l	93
80) 1,3,5-Trimethylbenzene	11.071	105	1963	0.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.608	75	83689	114.660	ug/l #	7
82) 4-Chlorotoluene	11.081	91	3218	0.394	ug/l	90
83) tert-Butylbenzene	11.396	119	2051	0.242	ug/l	85
84) 1,2,4-Trimethylbenzene	11.450	105	2341	0.293	ug/l	93
85) sec-Butylbenzene	11.618	105	3439	0.322	ug/l	98
86) p-Isopropyltoluene	11.769	119	2994	0.349	ug/l #	75
87) 1,3-Dichlorobenzene	11.733	146	2220	0.484	ug/l	92
88) 1,4-Dichlorobenzene	11.733	146	2220	0.463	ug/l	93
89) n-Butylbenzene	12.190	91	5179	0.657	ug/l	97
90) Hexachloroethane	12.454	117	63	0.048	ug/l #	13
91) 1,2-Dichlorobenzene	12.196	146	1706	0.373	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	12.978	75	22	0.029	ug/l #	38
93) 1,2,4-Trichlorobenzene	13.820	180	2557	0.877	ug/l	90
94) Hexachlorobutadiene	13.990	225	510	0.347	ug/l	96
95) Naphthalene	14.068	128	13018	1.648	ug/l	98
96) 1,2,3-Trichlorobenzene	14.306	180	2681	0.989	ug/l	91

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

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ClientSampleId :
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Response via : Initial Calibration

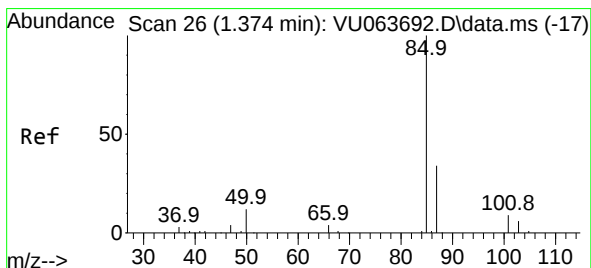
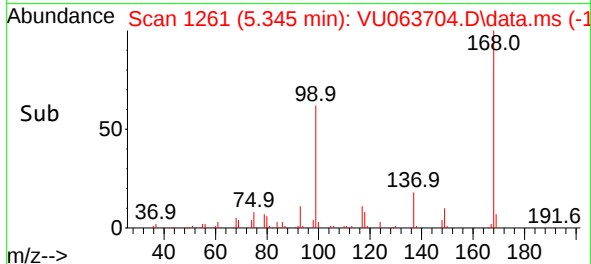
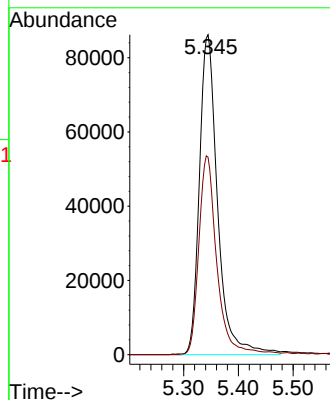
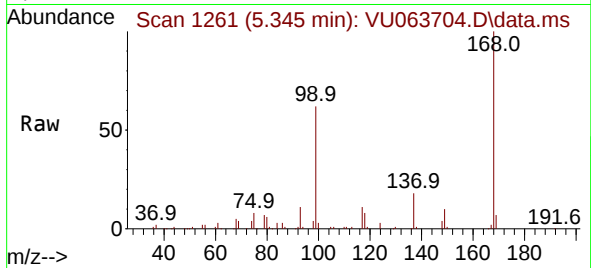




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.345 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

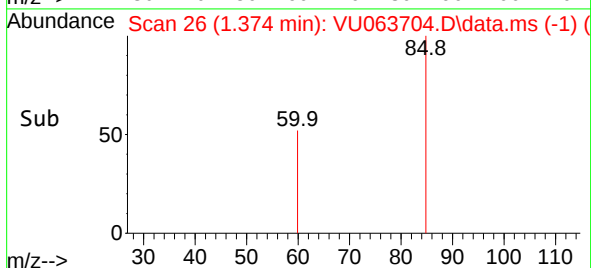
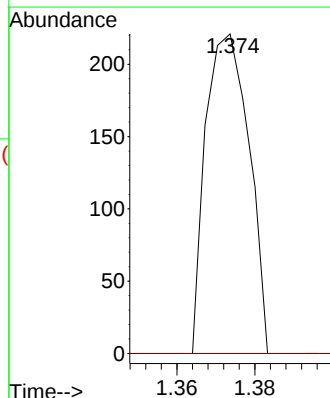
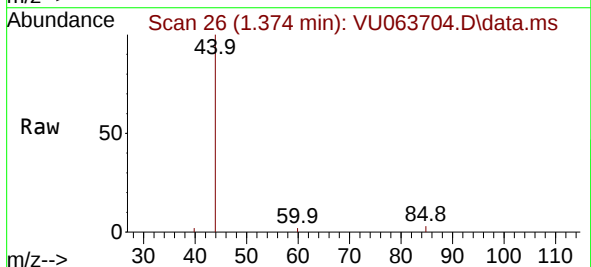
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ClientSampleId :
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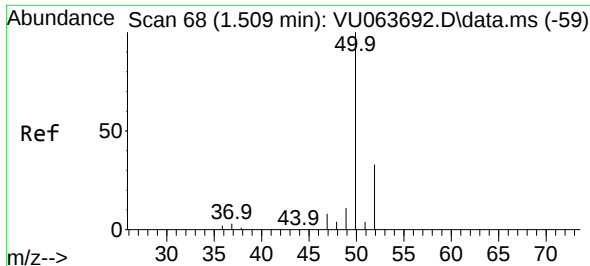
Tgt Ion:168 Resp: 199209
Ion Ratio Lower Upper
168 100
99 61.4 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.142 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 85 Resp: 171
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

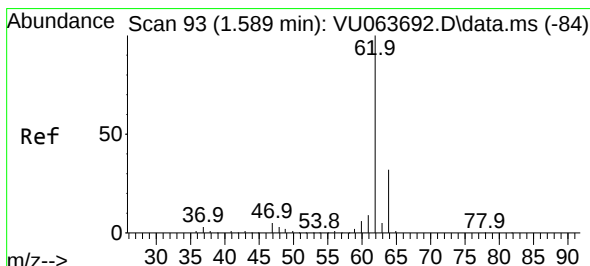
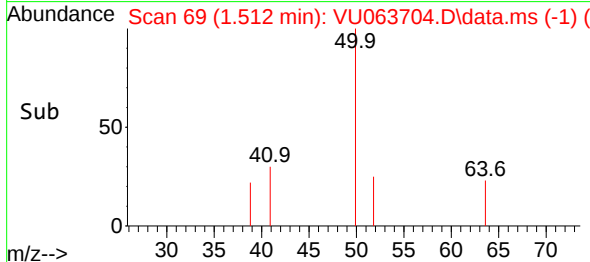
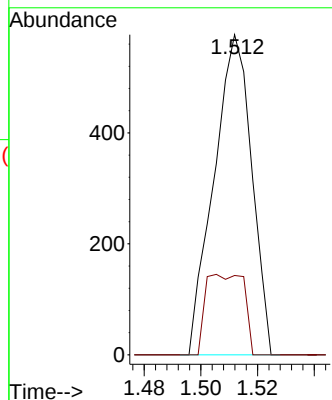
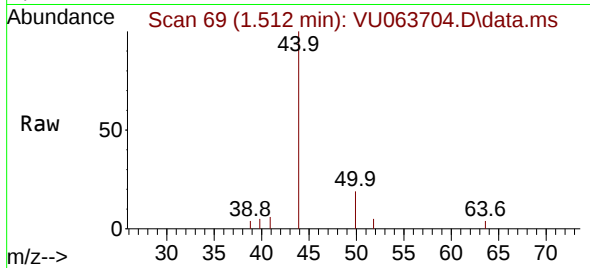




#3
Chloromethane
Concen: 0.381 ug/l
RT: 1.512 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

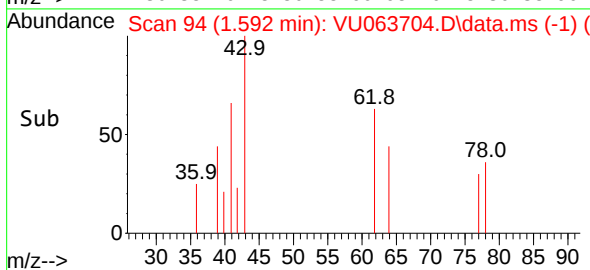
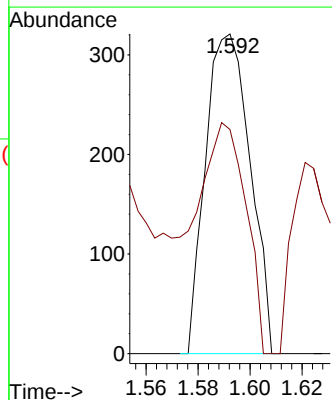
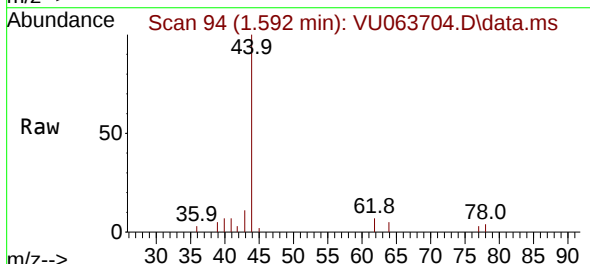
Instrument :
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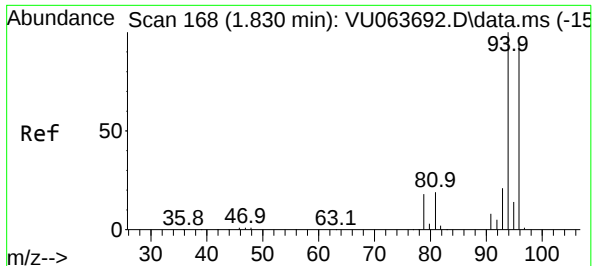
Tgt Ion: 50 Resp: 533
Ion Ratio Lower Upper
50 100
52 24.8 26.3 39.5#



#4
Vinyl Chloride
Concen: 0.259 ug/l
RT: 1.592 min Scan# 94
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 62 Resp: 383
Ion Ratio Lower Upper
62 100
64 70.1 25.9 38.9#

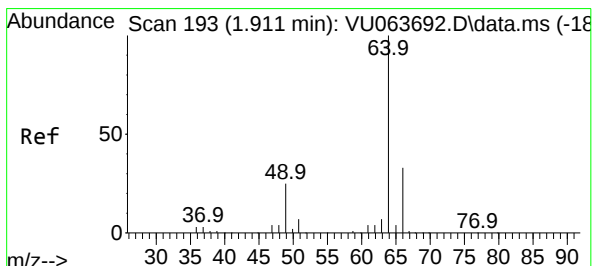
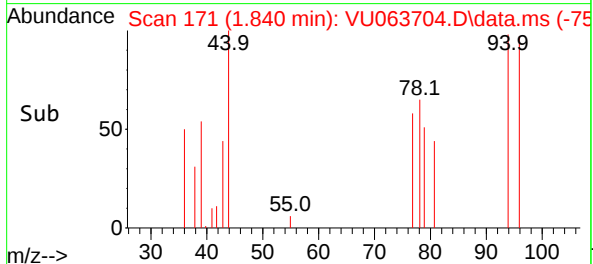
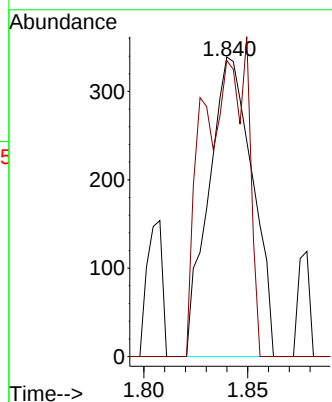
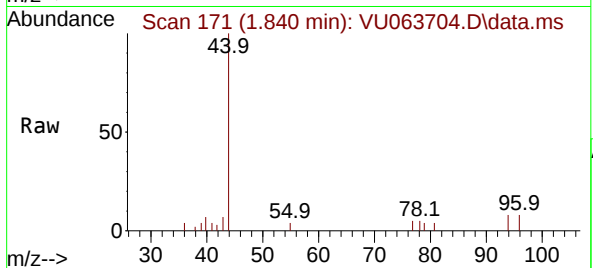




#5
Bromomethane
Concen: 0.477 ug/l
RT: 1.840 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

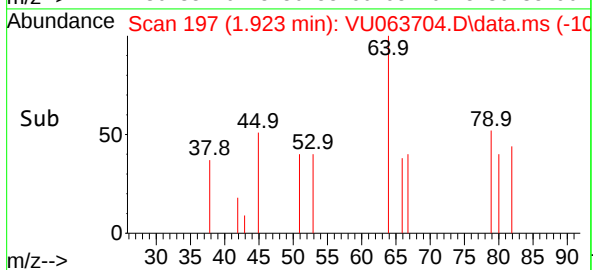
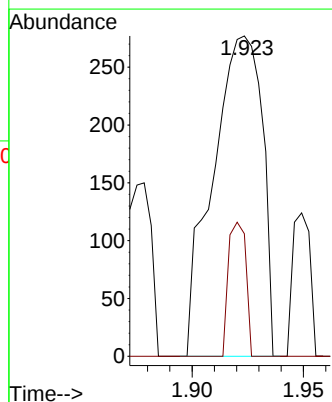
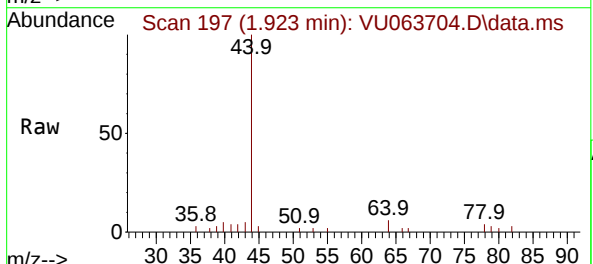
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

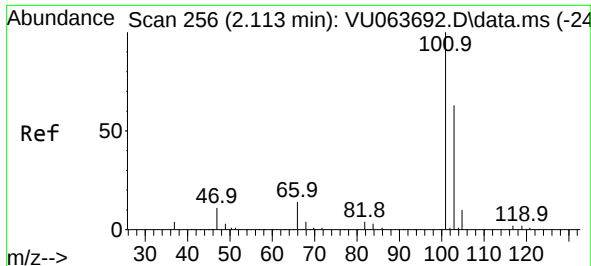
Tgt Ion: 94 Resp: 496
Ion Ratio Lower Upper
94 100
96 98.8 74.8 112.2



#6
Chloroethane
Concen: 0.382 ug/l
RT: 1.923 min Scan# 197
Delta R.T. 0.012 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 64 Resp: 428
Ion Ratio Lower Upper
64 100
66 38.3 26.4 39.6

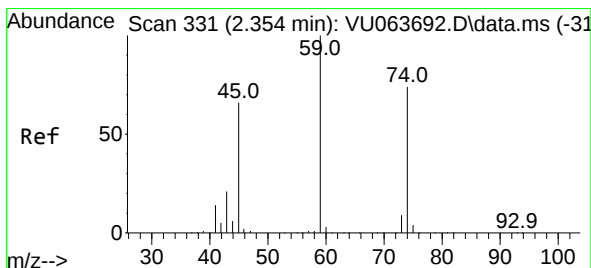
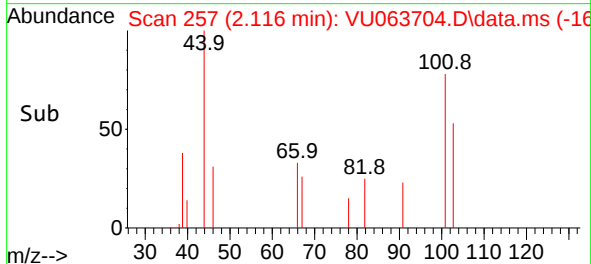
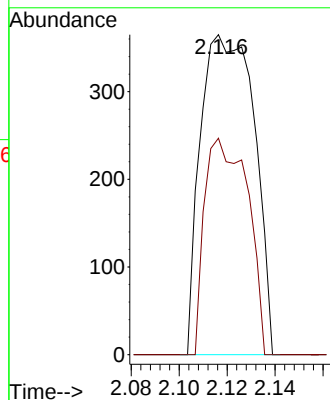
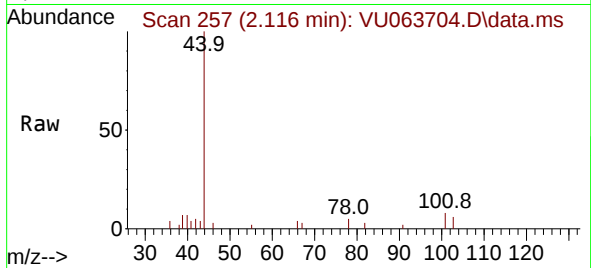




#7
 Trichlorofluoromethane
 Concen: 0.200 ug/l
 RT: 2.116 min Scan# 2116
 Delta R.T. 0.003 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

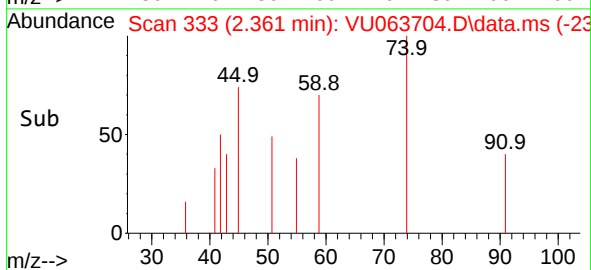
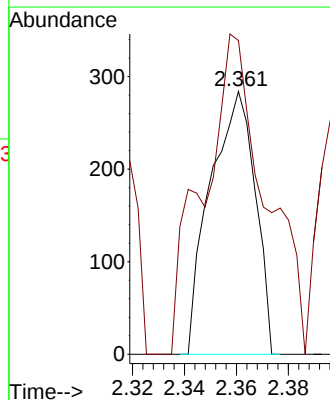
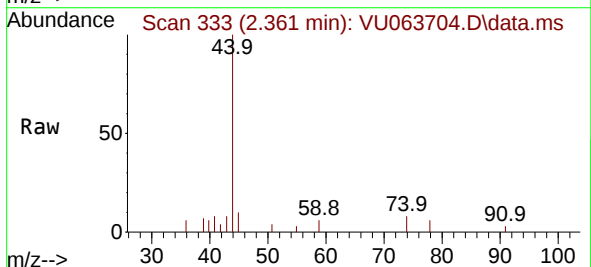
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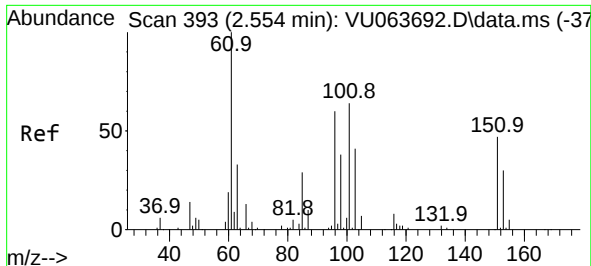
Tgt Ion:101 Resp: 565
 Ion Ratio Lower Upper
 101 100
 103 67.7 50.3 75.5



#8
 Diethyl Ether
 Concen: 0.283 ug/l
 RT: 2.361 min Scan# 333
 Delta R.T. 0.007 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

Tgt Ion: 74 Resp: 341
 Ion Ratio Lower Upper
 74 100
 45 168.0 44.1 132.4#

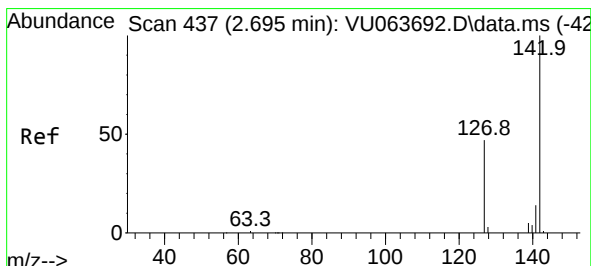
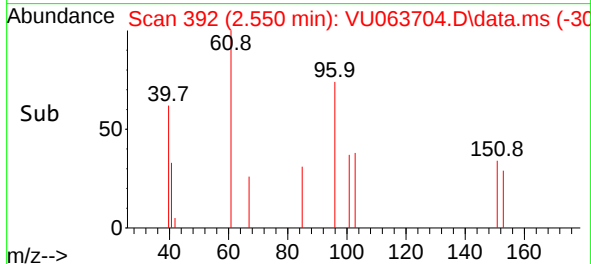
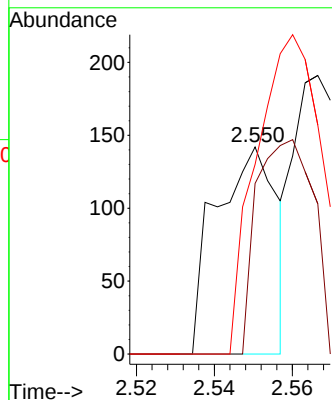
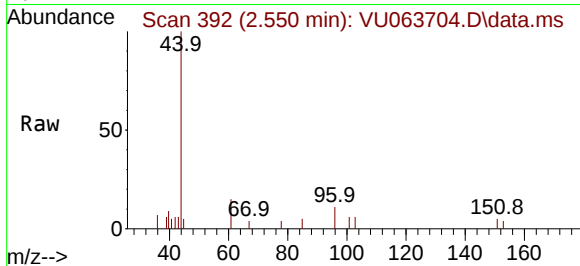




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.086 ug/l
RT: 2.550 min Scan# 393
Delta R.T. -0.004 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

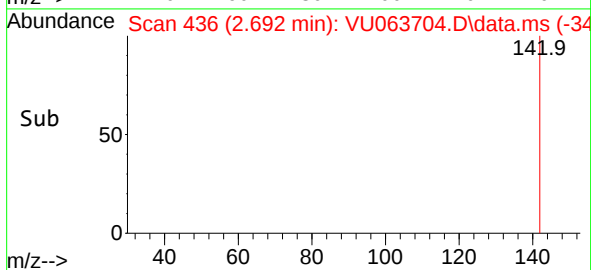
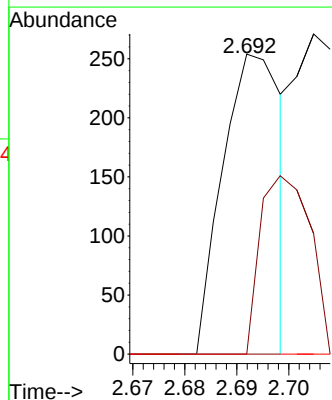
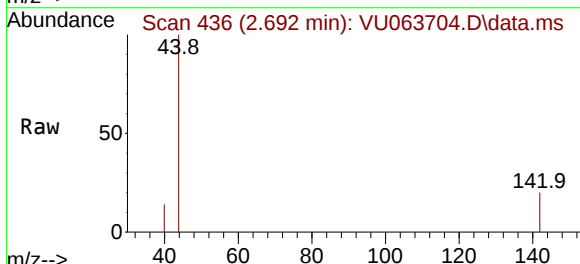
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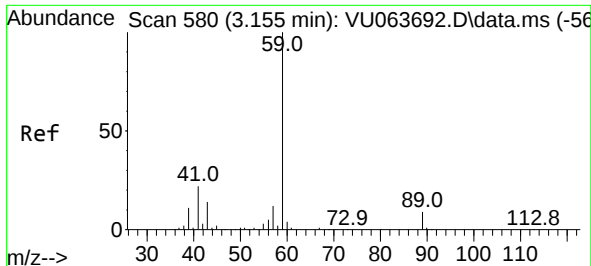
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Ion Ratio Lower Upper
101 100
85 0.0 36.2 54.4#
151 0.0 58.5 87.7#



#10
Methyl Iodide
Concen: 0.111 ug/l
RT: 2.692 min Scan# 436
Delta R.T. -0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:142 Resp: 199
Ion Ratio Lower Upper
142 100
127 50.8 37.2 55.8
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 3.501 ug/l

RT: 3.161 min Scan# 582

Delta R.T. 0.006 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

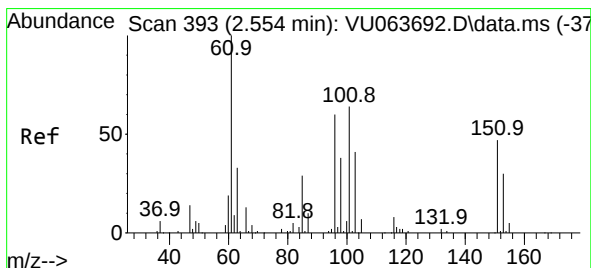
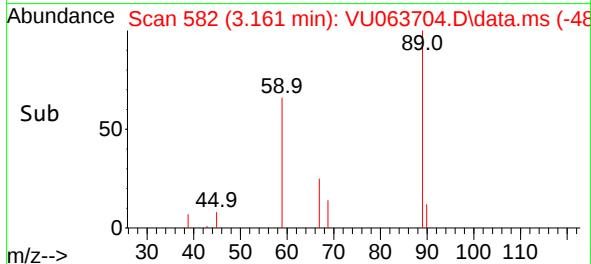
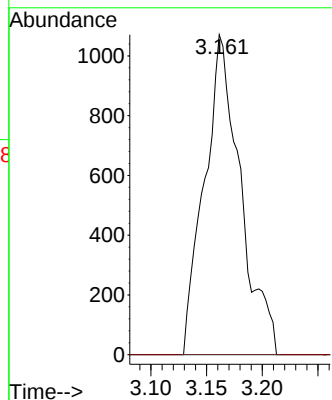
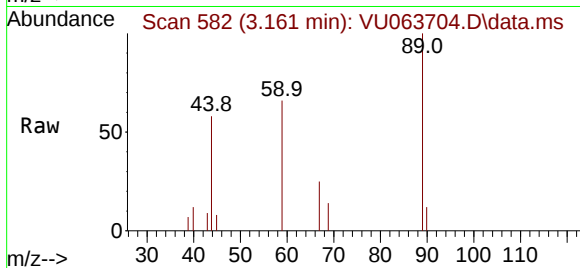
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 59 Resp: 2404

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#12

1,1-Dichloroethene

Concen: 0.298 ug/l

RT: 2.554 min Scan# 393

Delta R.T. -0.000 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

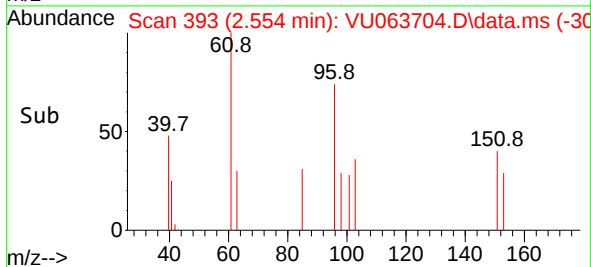
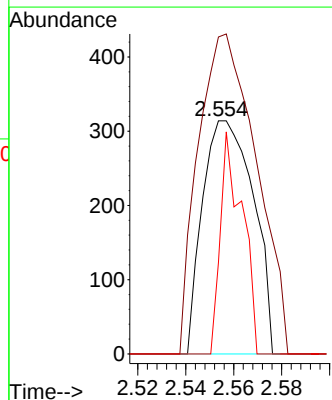
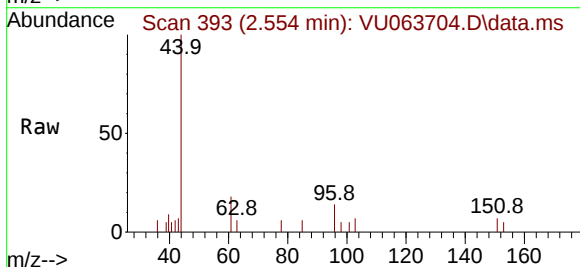
Tgt Ion: 96 Resp: 461

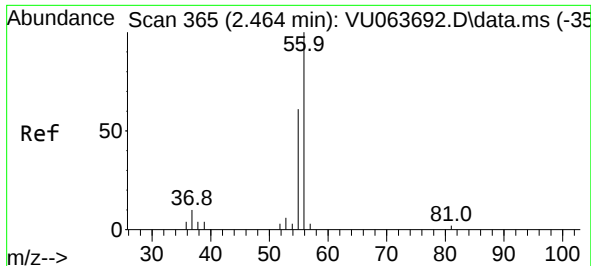
Ion Ratio Lower Upper

96 100

61 136.0 133.1 199.7

98 39.2 50.7 76.1#

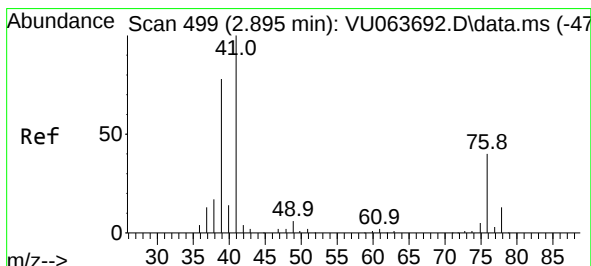
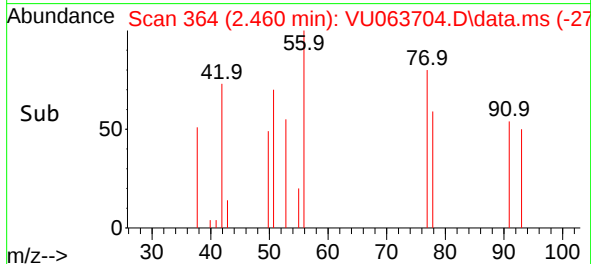
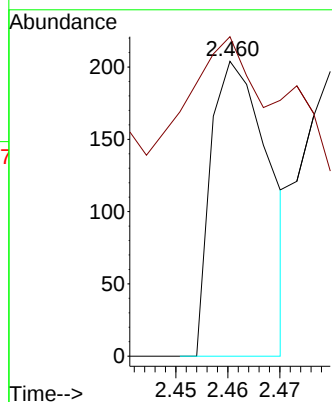
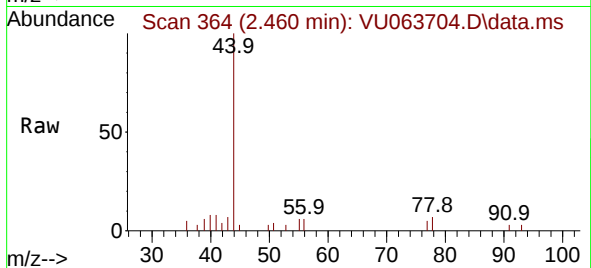




#13
Acrolein
Concen: 2.878 ug/l
RT: 2.460 min Scan# 301
Delta R.T. -0.004 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

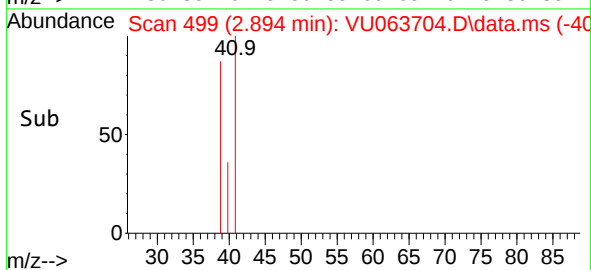
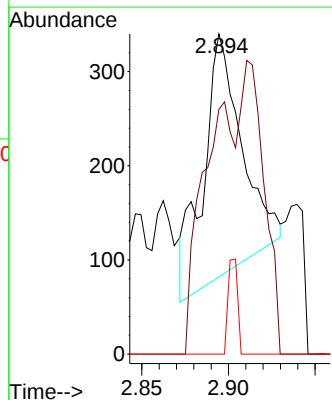
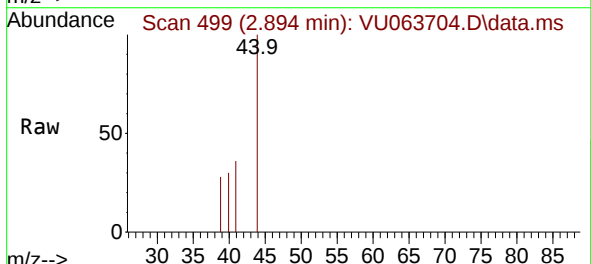
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

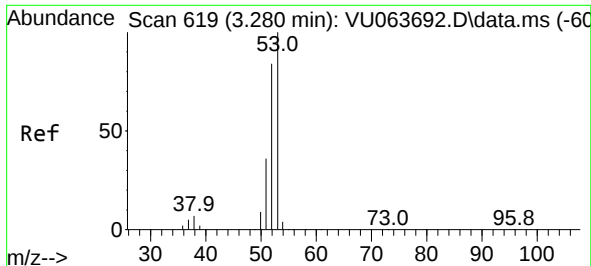
Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 266.5 47.1 70.7#



#14
Allyl chloride
Concen: 0.138 ug/l
RT: 2.894 min Scan# 499
Delta R.T. -0.001 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 41 Resp: 399
Ion Ratio Lower Upper
41 100
39 90.5 53.1 79.7#
76 0.0 26.4 39.6#

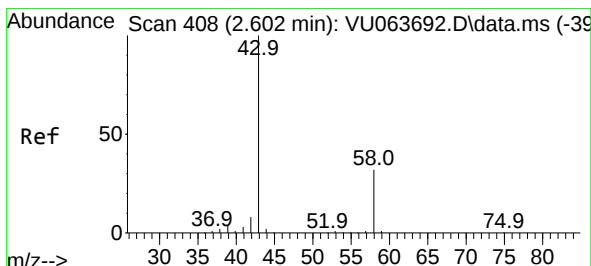
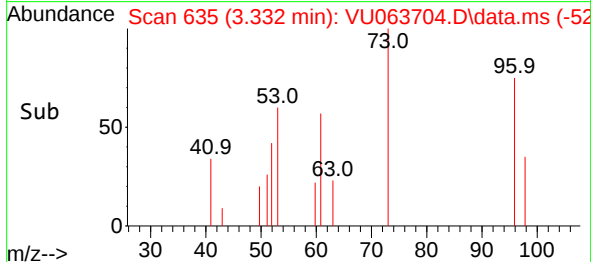
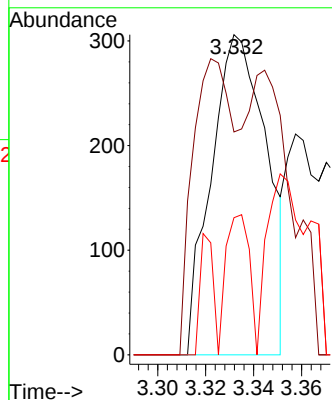
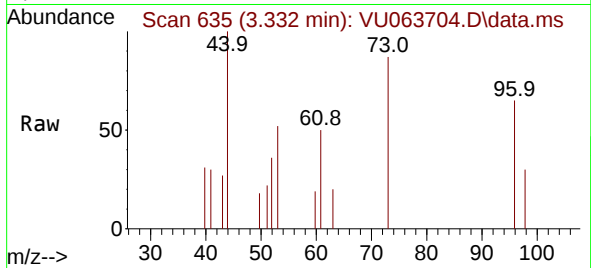




#15
Acrylonitrile
Concen: 0.349 ug/l
RT: 3.332 min Scan# 619
Delta R.T. 0.052 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

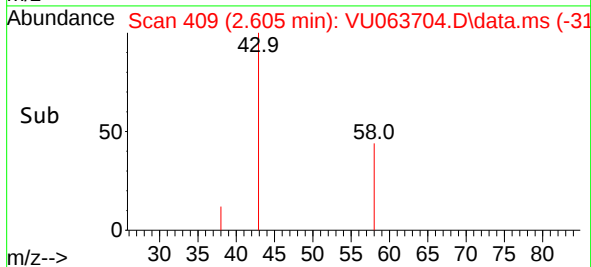
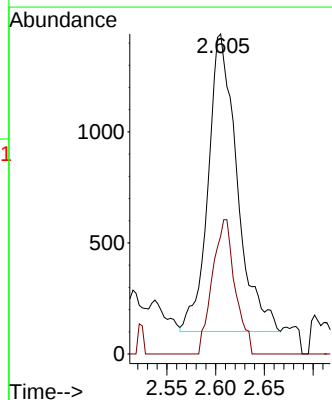
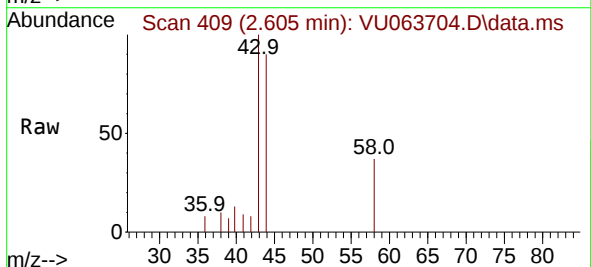
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

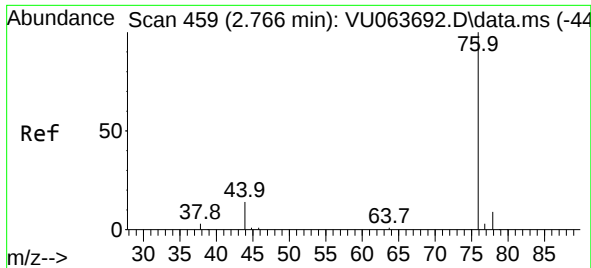
Tgt Ion: 53 Resp: 491
Ion Ratio Lower Upper
53 100
52 64.8 67.5 101.3#
51 18.5 29.0 43.6#



#16
Acetone
Concen: 1.437 ug/l
RT: 2.605 min Scan# 409
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

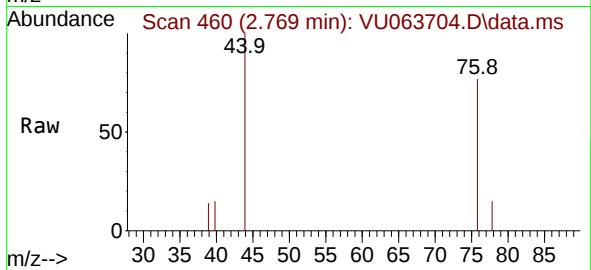
Tgt Ion: 43 Resp: 2766
Ion Ratio Lower Upper
43 100
58 39.7 25.4 38.2#



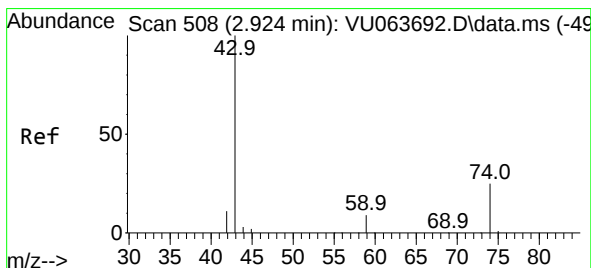
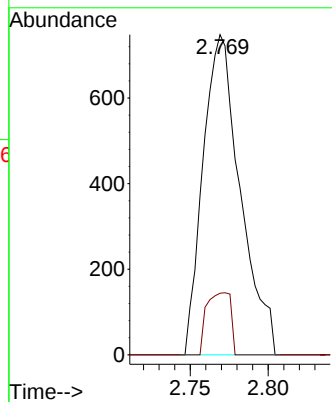
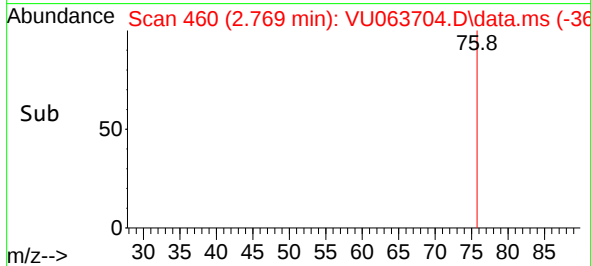


#17
Carbon Disulfide
Concen: 0.547 ug/l
RT: 2.769 min Scan# 411
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

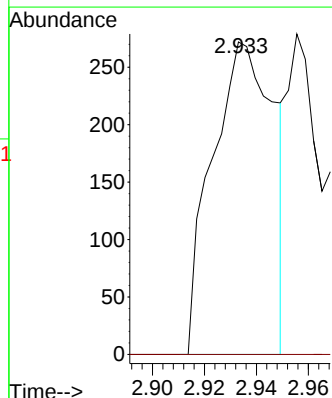
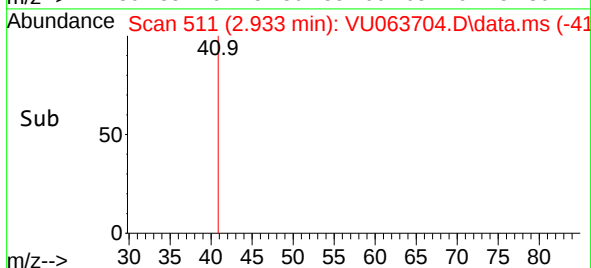
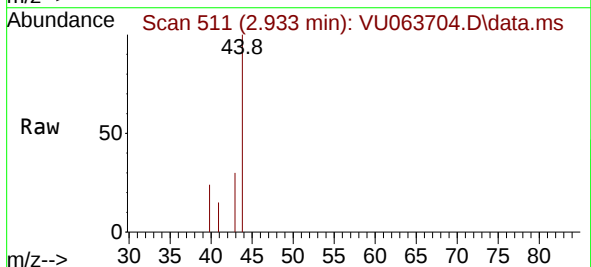


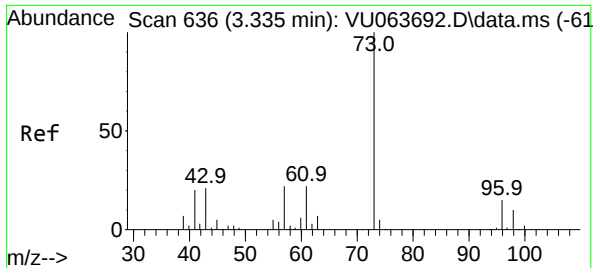
Tgt Ion: 76 Resp: 1246
Ion Ratio Lower Upper
76 100
78 19.3 7.0 10.6#



#18
Methyl Acetate
Concen: 0.098 ug/l
RT: 2.933 min Scan# 511
Delta R.T. 0.009 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#

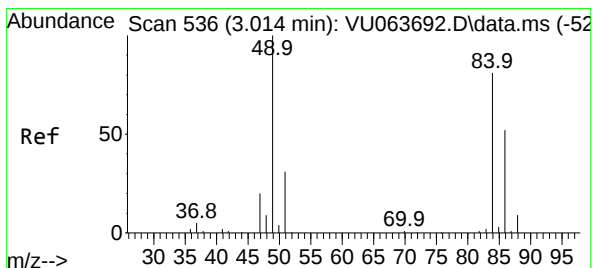
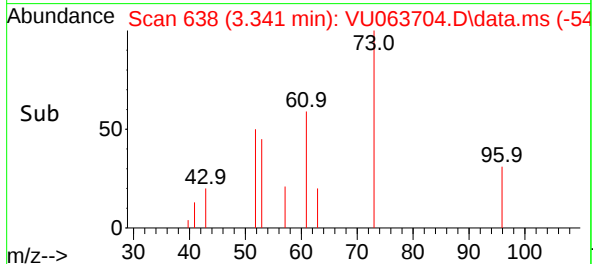
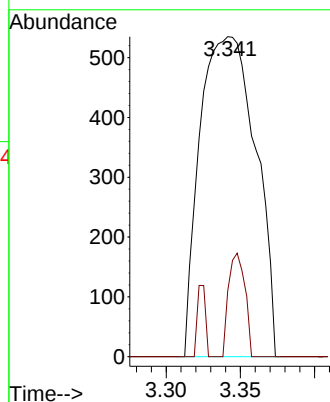
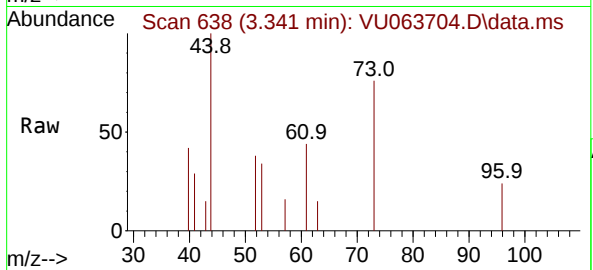




#19
Methyl tert-butyl Ether
Concen: 0.199 ug/l
RT: 3.341 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

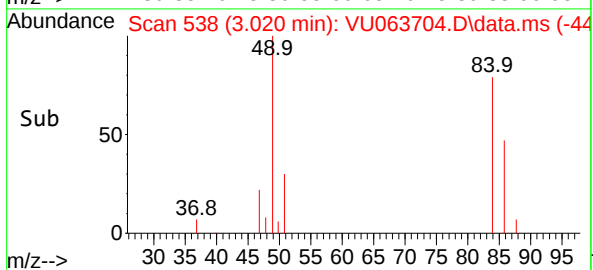
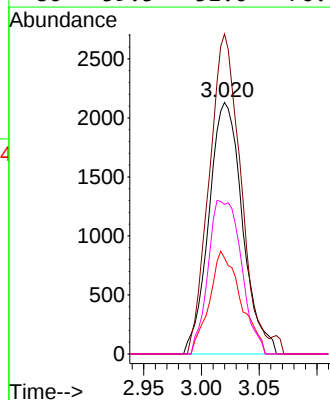
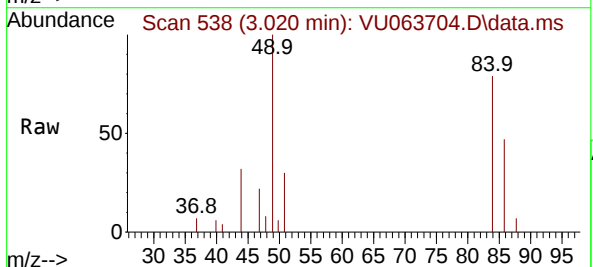
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

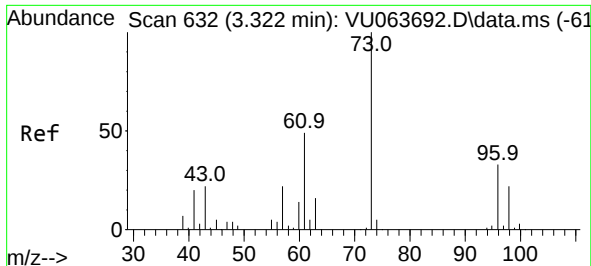
Tgt Ion: 73 Resp: 1392
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.2



#20
Methylene Chloride
Concen: 1.962 ug/l
RT: 3.020 min Scan# 538
Delta R.T. 0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 84 Resp: 4306
Ion Ratio Lower Upper
84 100
49 127.2 98.4 147.6
51 38.2 30.1 45.1
86 59.5 51.0 76.6

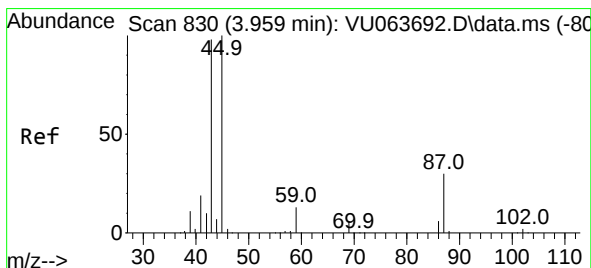
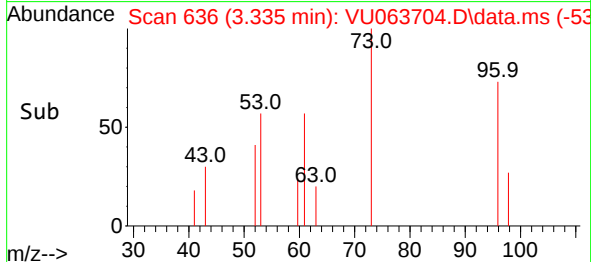
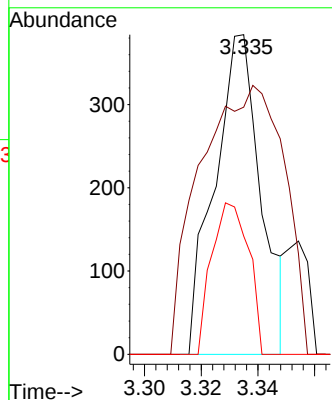
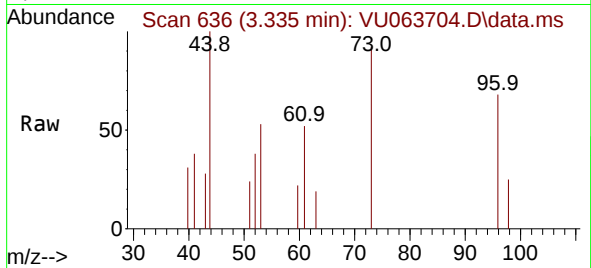




#21
trans-1,2-Dichloroethene
Concen: 0.274 ug/l
RT: 3.335 min Scan# 61
Delta R.T. 0.013 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

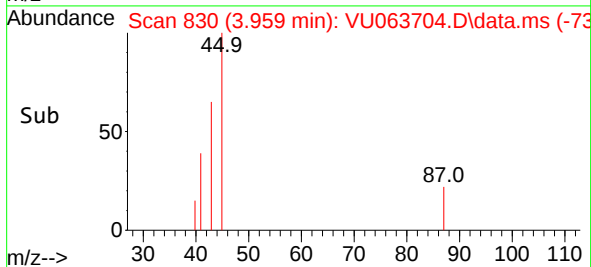
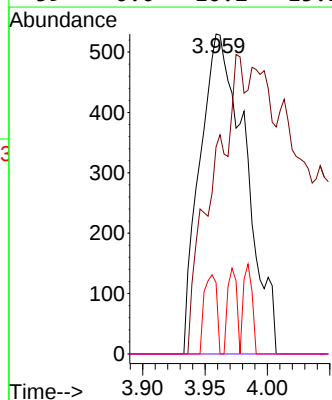
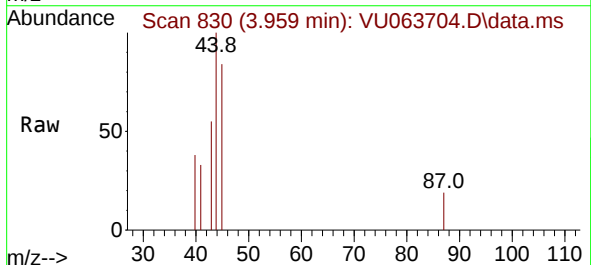
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

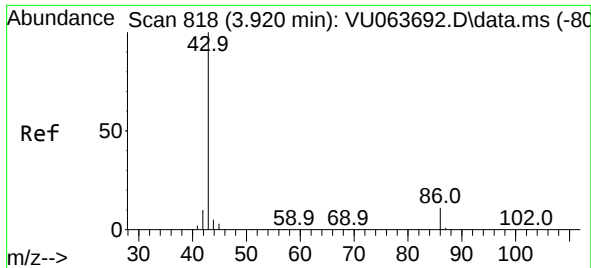
Tgt Ion: 96 Resp: 436
Ion Ratio Lower Upper
96 100
61 43.0 117.5 176.3#
98 37.0 52.7 79.1#



#22
Diisopropyl ether
Concen: 0.212 ug/l
RT: 3.959 min Scan# 830
Delta R.T. -0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 45 Resp: 1349
Ion Ratio Lower Upper
45 100
43 64.7 78.1 117.1#
87 22.3 23.8 35.8#
59 0.0 10.2 15.2#

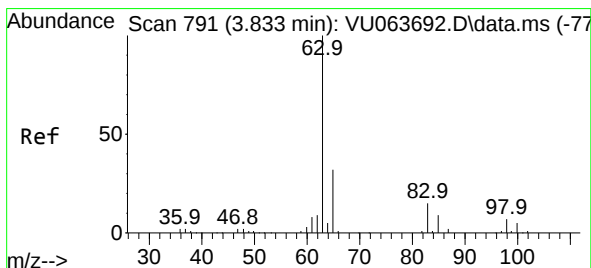
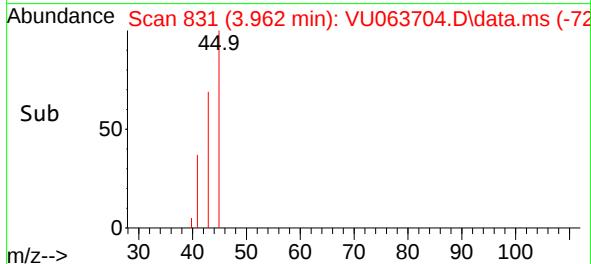
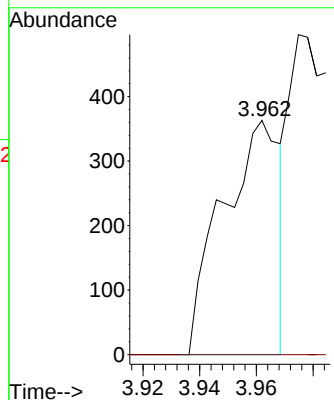
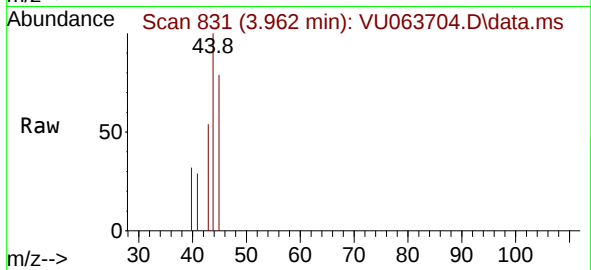




#23
 Vinyl Acetate
 Concen: 0.117 ug/l
 RT: 3.962 min Scan# 818
 Delta R.T. 0.042 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

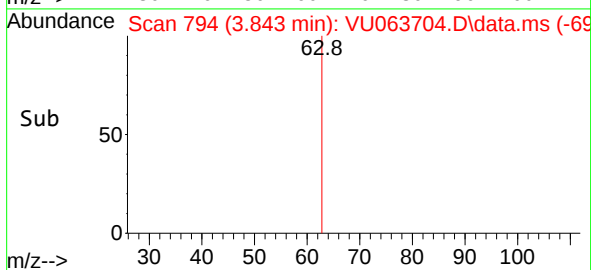
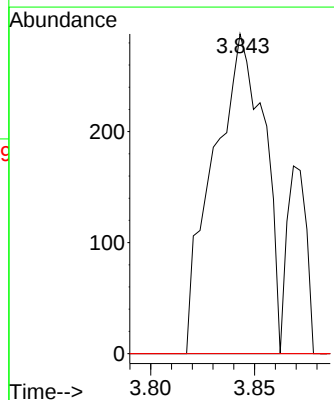
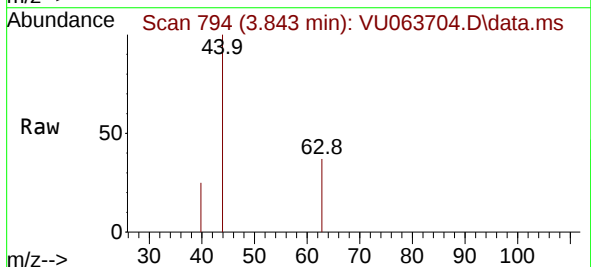
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

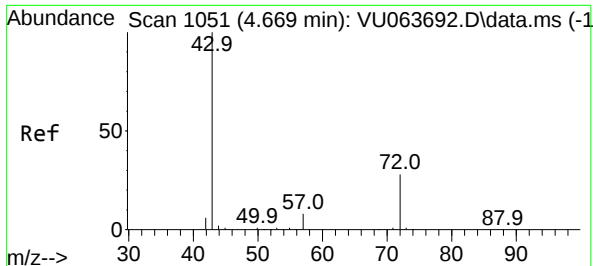
Tgt Ion: 43 Resp: 507
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.7 13.1#



#24
 1,1-Dichloroethane
 Concen: 0.133 ug/l
 RT: 3.843 min Scan# 794
 Delta R.T. 0.010 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

Tgt Ion: 63 Resp: 488
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.7 11.1#
 100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 0.020 ug/l

RT: 4.698 min Scan# 1060

Delta R.T. 0.029 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

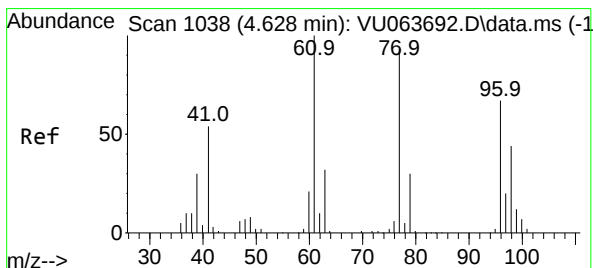
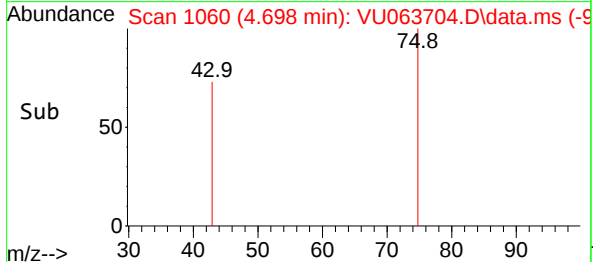
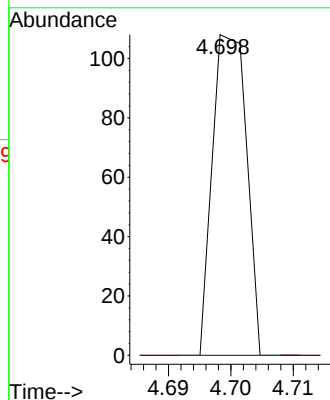
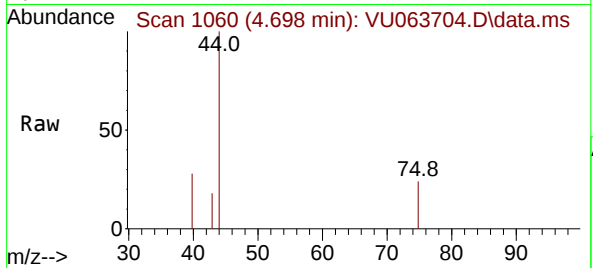
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 43 Resp: 41

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#26

2,2-Dichloropropane

Concen: 0.091 ug/l

RT: 4.624 min Scan# 1037

Delta R.T. -0.004 min

Lab File: VU063704.D

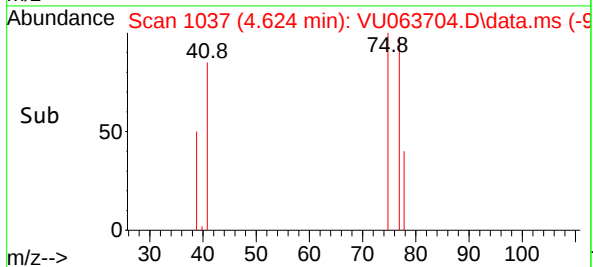
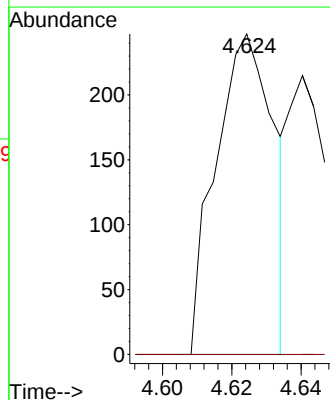
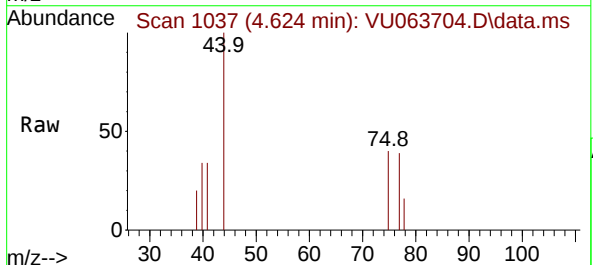
Acq: 11 Nov 2025 14:31

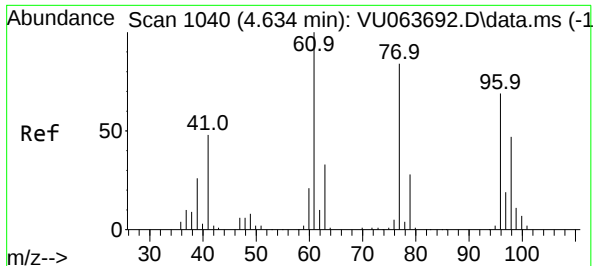
Tgt Ion: 77 Resp: 286

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

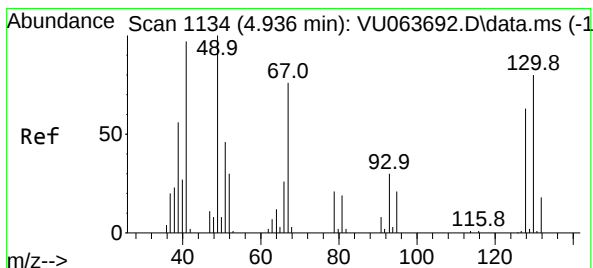
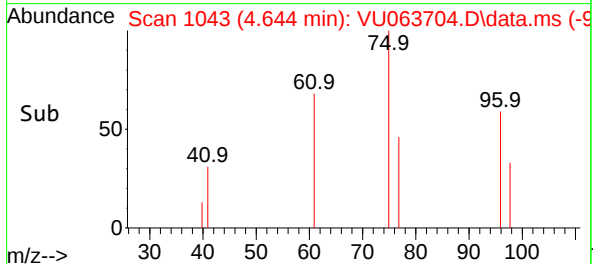
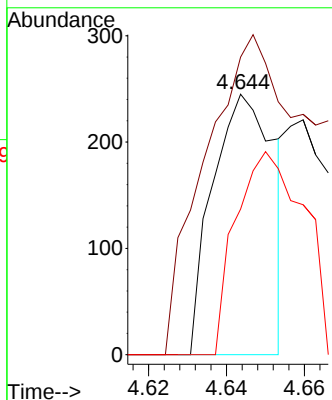
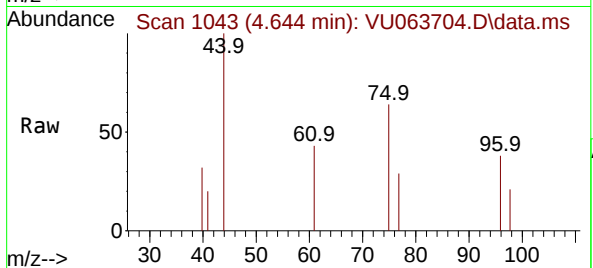




#27
 cis-1,2-Dichloroethene
 Concen: 0.115 ug/l
 RT: 4.644 min Scan# 1043
 Delta R.T. 0.010 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

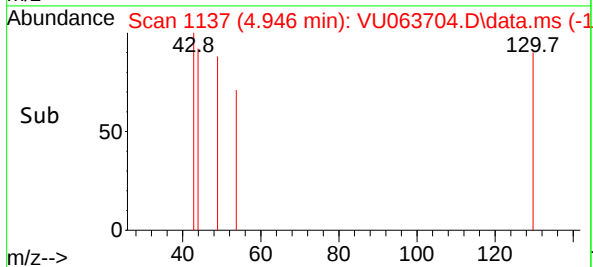
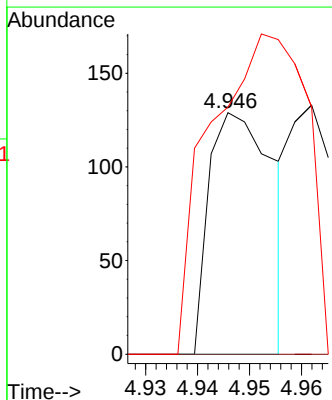
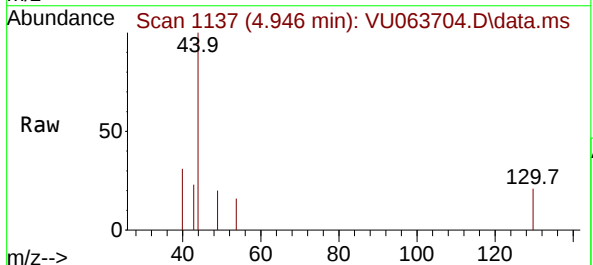
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

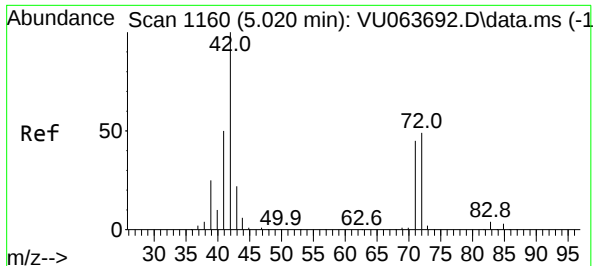
Tgt Ion: 96 Resp: 268
 Ion Ratio Lower Upper
 96 100
 61 253.7 0.0 295.4
 98 86.6 0.0 131.8



#28
 Bromochloromethane
 Concen: 0.075 ug/l
 RT: 4.946 min Scan# 1137
 Delta R.T. 0.010 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

Tgt Ion: 49 Resp: 110
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 200.0 65.1 97.7#





#29

Tetrahydrofuran

Concen: 0.040 ug/l

RT: 5.026 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

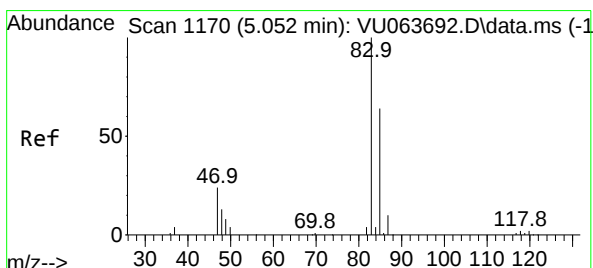
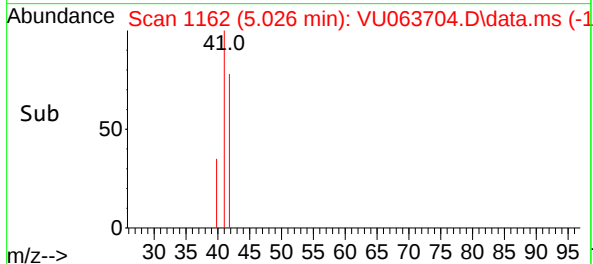
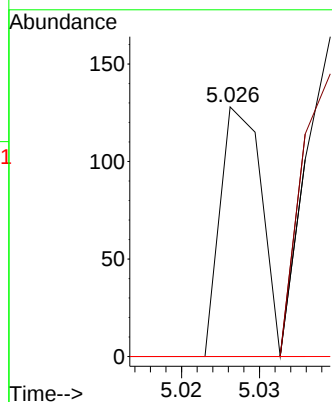
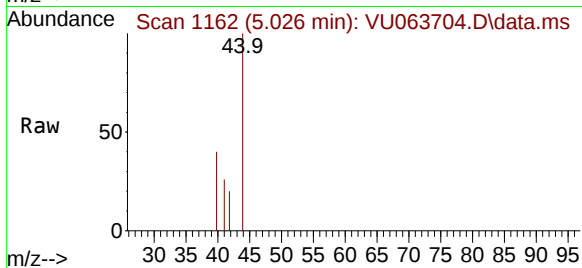
Tgt Ion: 42 Resp: 47

Ion Ratio Lower Upper

42 100

72 157.4 40.0 60.0#

71 0.0 37.4 56.0#



#30

Chloroform

Concen: 0.211 ug/l

RT: 5.062 min Scan# 1173

Delta R.T. 0.010 min

Lab File: VU063704.D

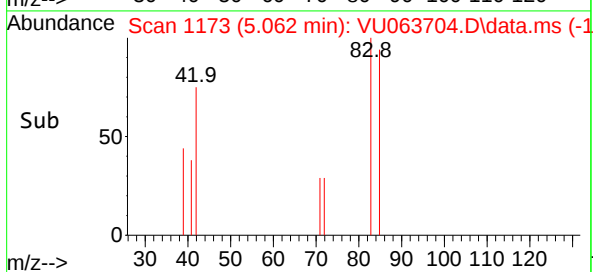
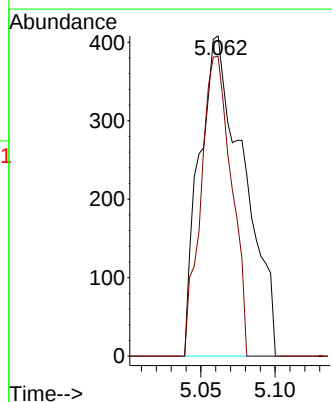
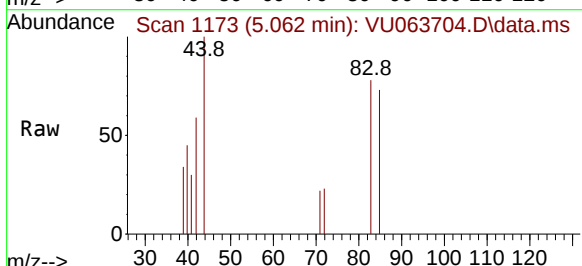
Acq: 11 Nov 2025 14:31

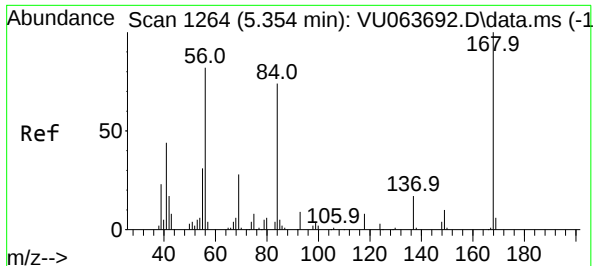
Tgt Ion: 83 Resp: 850

Ion Ratio Lower Upper

83 100

85 93.6 51.0 76.6#

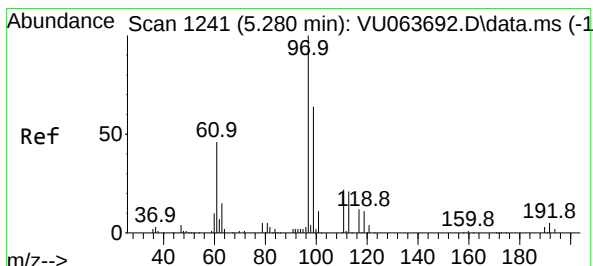
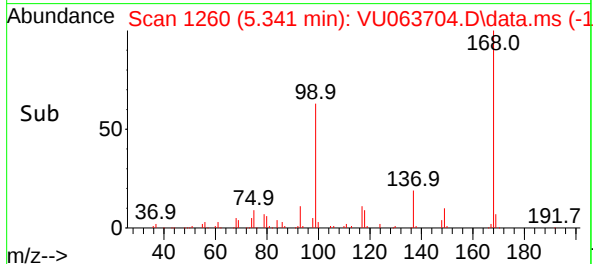
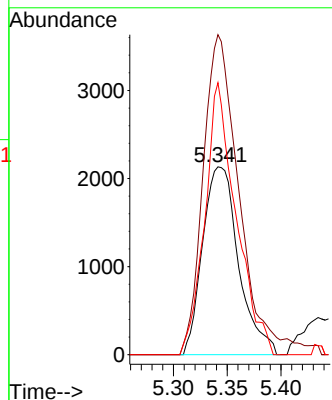
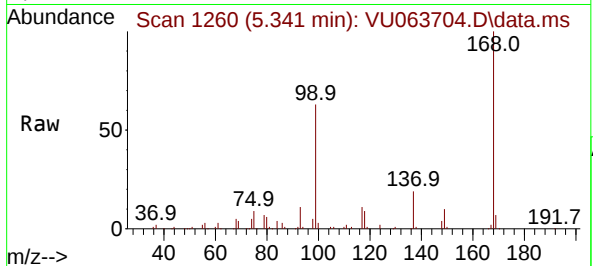




#31
Cyclohexane
Concen: 1.912 ug/l
RT: 5.341 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

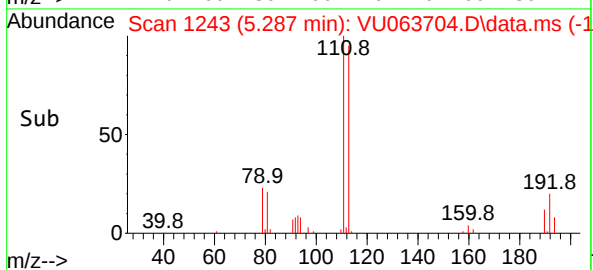
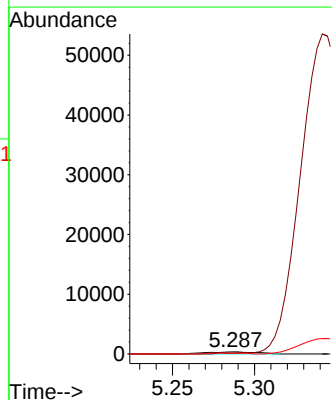
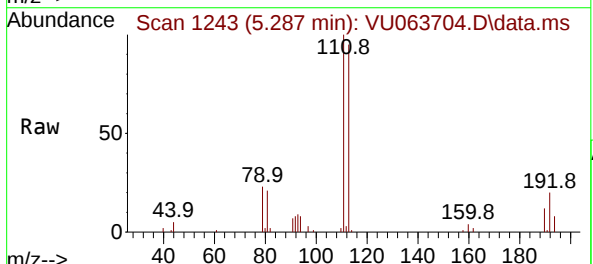
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

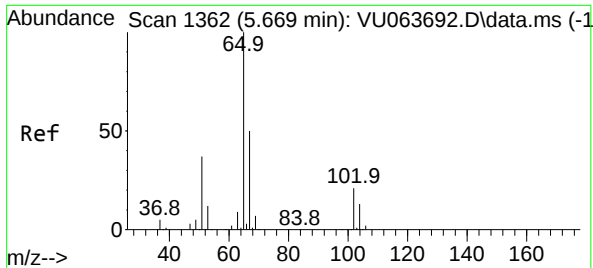
Tgt Ion: 56 Resp: 4953
Ion Ratio Lower Upper
56 100
69 170.3 27.0 40.6#
84 144.8 71.8 107.6#



#32
1,1,1-Trichloroethane
Concen: 0.222 ug/l
RT: 5.287 min Scan# 1243
Delta R.T. 0.007 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 97 Resp: 733
Ion Ratio Lower Upper
97 100
99 0.0 49.8 74.8#
61 29.1 36.6 55.0#





#33

1,2-Dichloroethane-d4

Concen: 47.459 ug/l

RT: 5.673 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

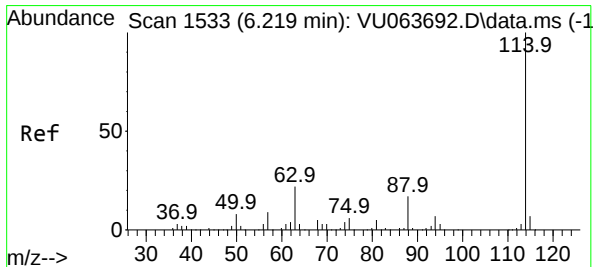
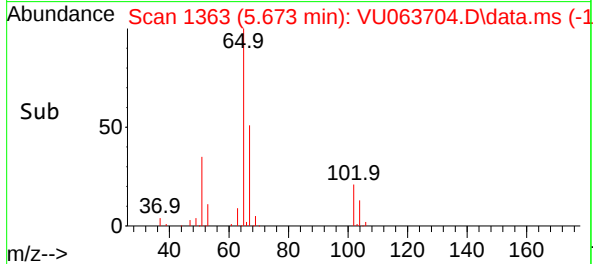
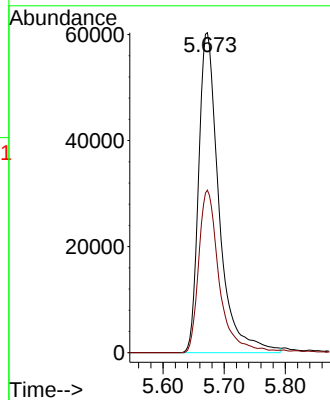
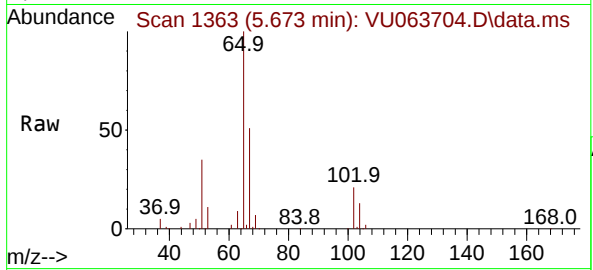
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 65 Resp: 139661

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.219 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

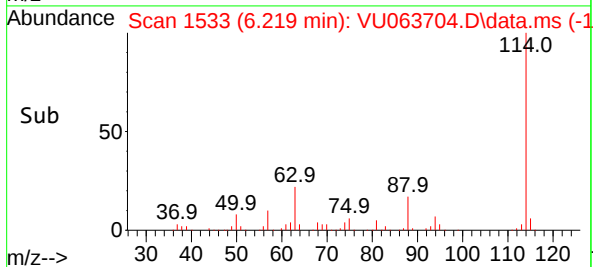
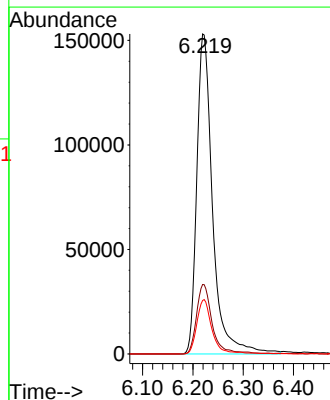
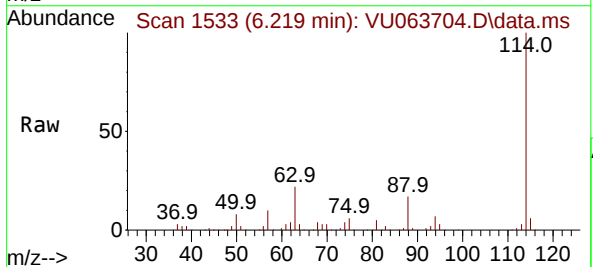
Tgt Ion: 114 Resp: 334740

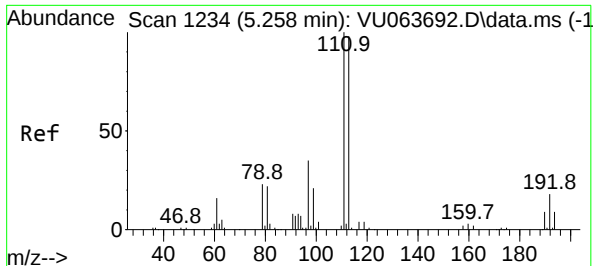
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

88 16.7 0.0 33.6

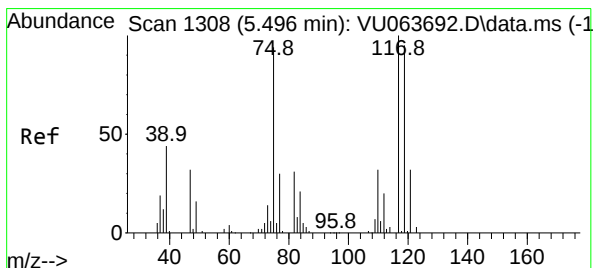
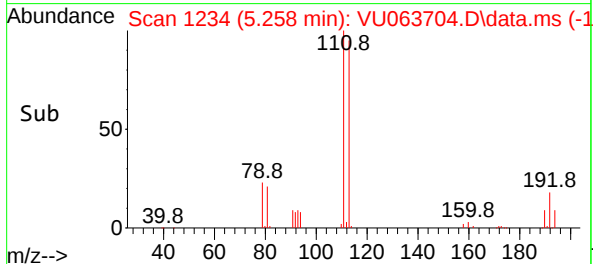
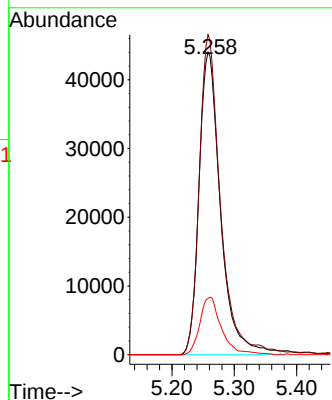
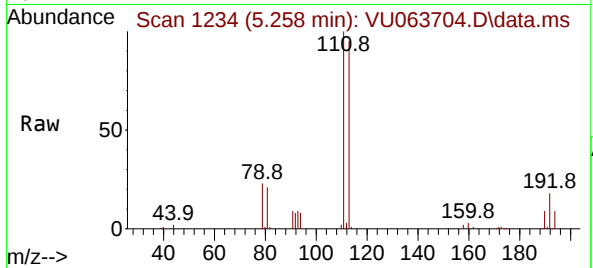




#35
Dibromofluoromethane
Concen: 44.978 ug/l
RT: 5.258 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

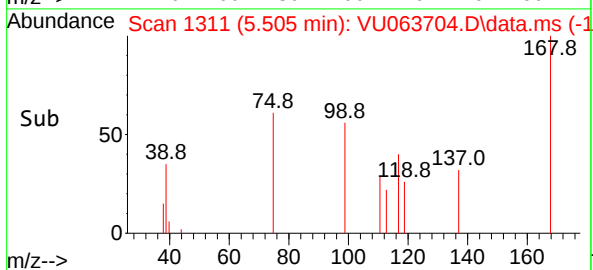
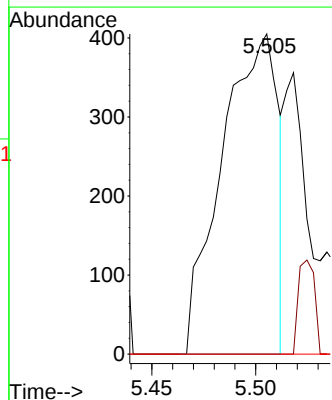
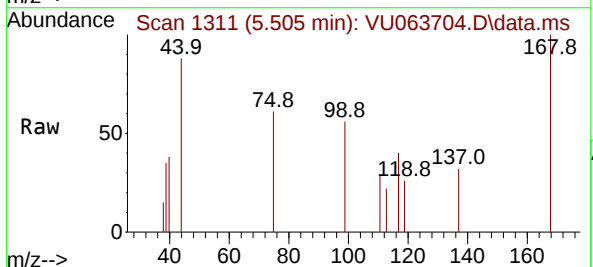
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

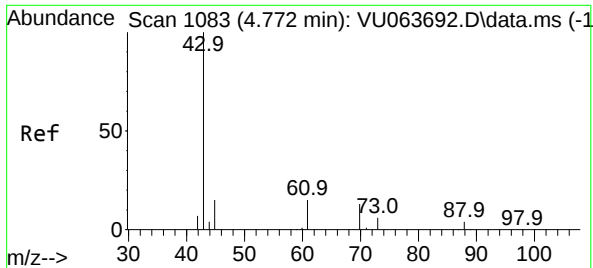
Tgt Ion:113 Resp: 105452
Ion Ratio Lower Upper
113 100
111 104.8 82.4 123.6
192 19.2 15.4 23.0



#36
1,1-Dichloropropene
Concen: 0.317 ug/l
RT: 5.505 min Scan# 1311
Delta R.T. 0.009 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 75 Resp: 757
Ion Ratio Lower Upper
75 100
110 8.5 17.3 51.7#
77 0.0 24.4 36.6#

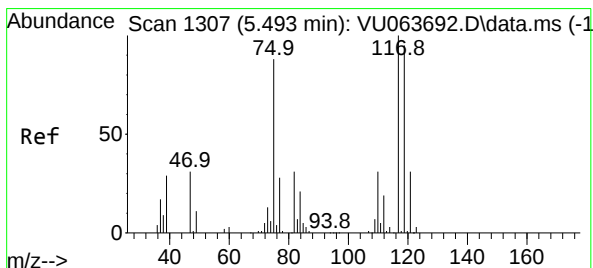
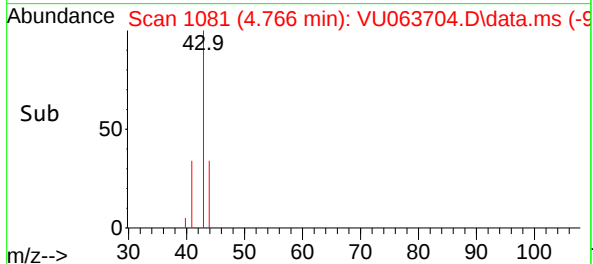
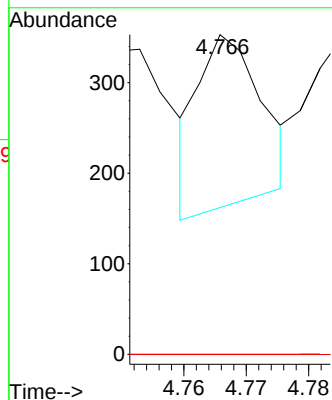
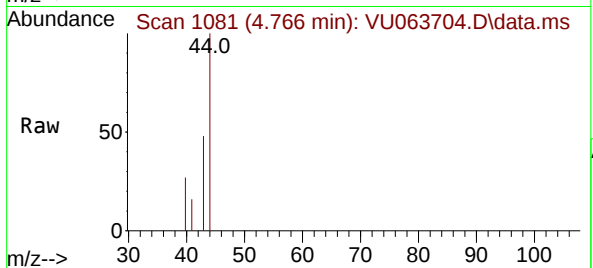




#37
Ethyl Acetate
Concen: 0.040 ug/l
RT: 4.766 min Scan# 1081
Delta R.T. -0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

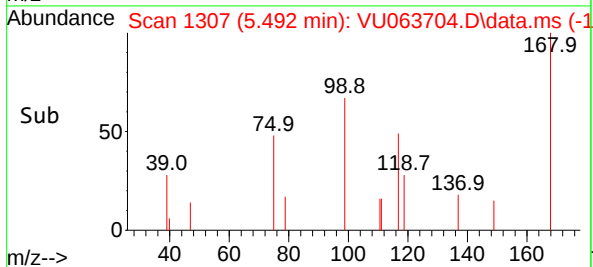
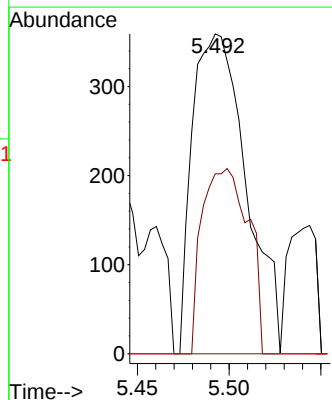
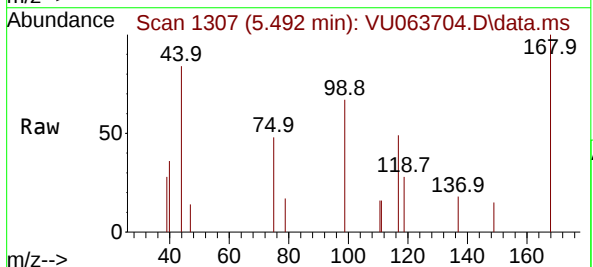
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

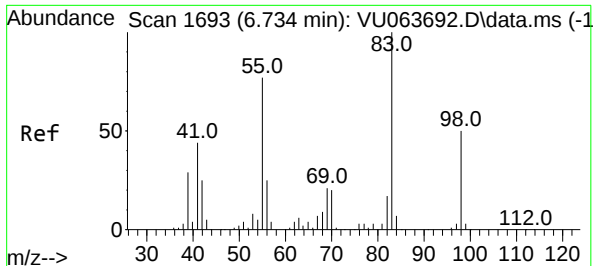
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 0.284 ug/l
RT: 5.492 min Scan# 1307
Delta R.T. -0.001 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 117 Resp: 733
Ion Ratio Lower Upper
117 100
119 56.3 76.1 114.1#
121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.237 ug/l

RT: 6.734 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

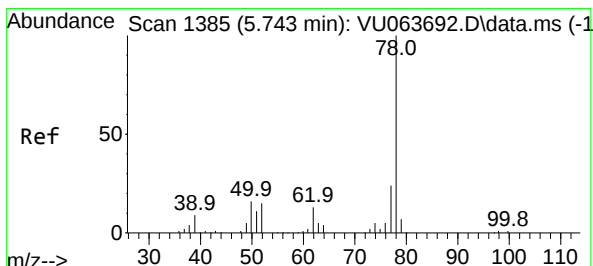
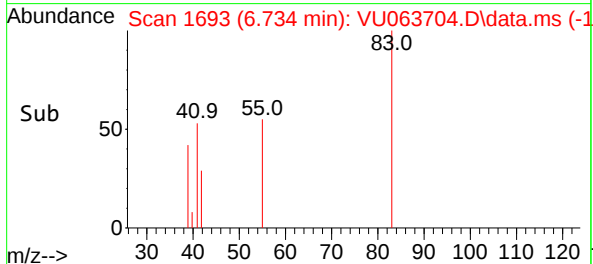
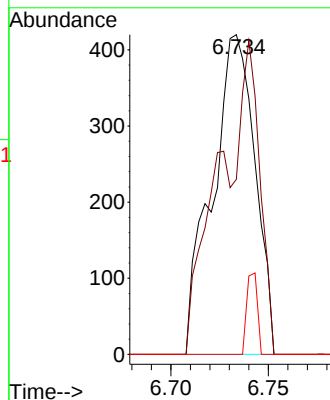
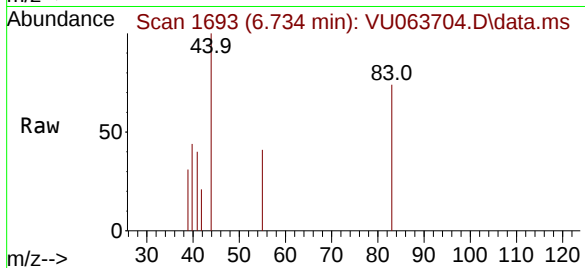
Tgt Ion: 83 Resp: 642

Ion Ratio Lower Upper

83 100

55 54.8 61.6 92.4#

98 0.0 40.0 60.0#



#40

Benzene

Concen: 0.223 ug/l

RT: 5.750 min Scan# 1387

Delta R.T. 0.007 min

Lab File: VU063704.D

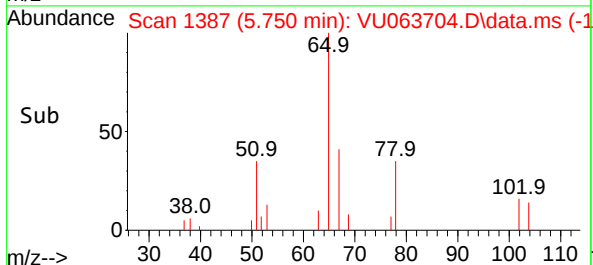
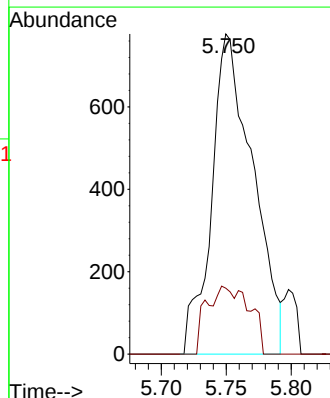
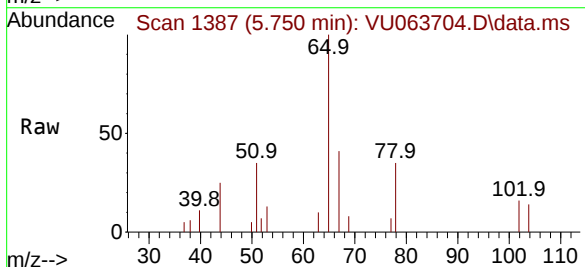
Acq: 11 Nov 2025 14:31

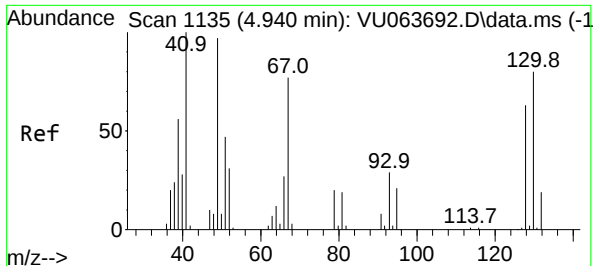
Tgt Ion: 78 Resp: 1720

Ion Ratio Lower Upper

78 100

77 20.6 18.9 28.3

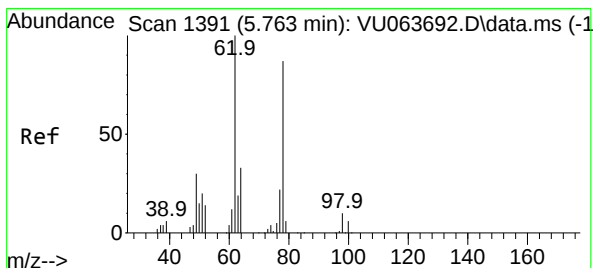
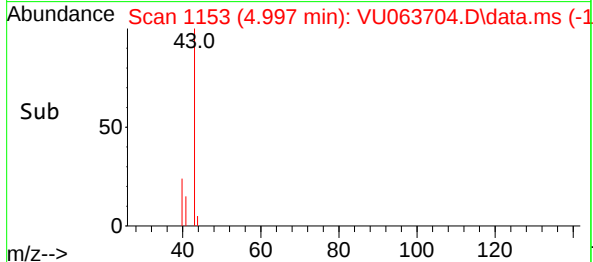
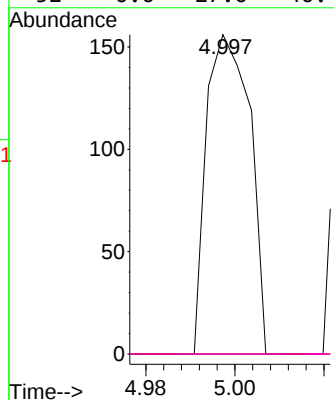
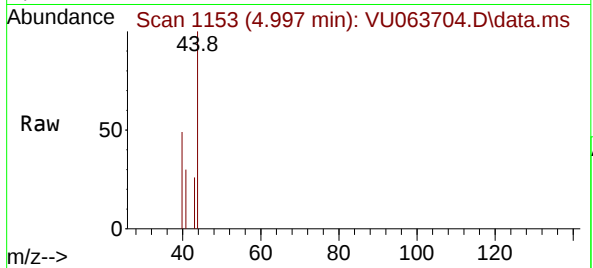




#41
Methacrylonitrile
Concen: 0.060 ug/l
RT: 4.997 min Scan# 1153
Delta R.T. 0.057 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

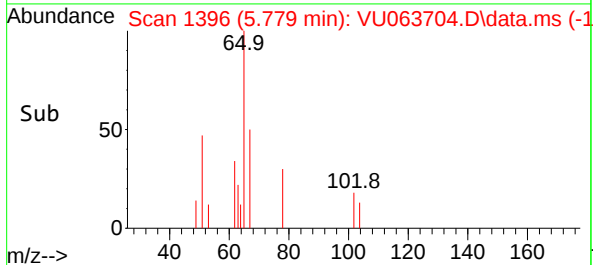
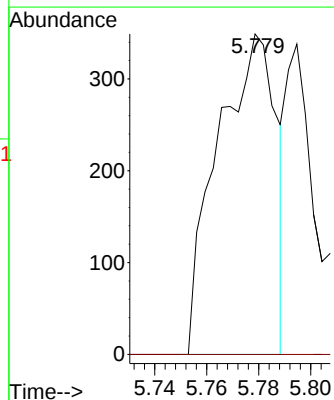
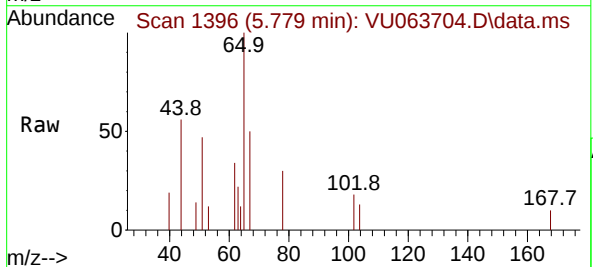
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

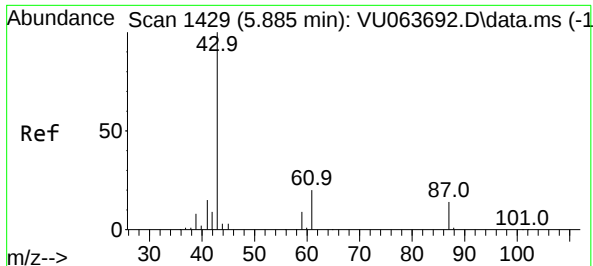
Tgt Ion: 41 Resp: 106
Ion Ratio Lower Upper
41 100
39 0.0 44.7 67.1#
67 0.0 67.4 101.2#
52 0.0 27.0 40.4#



#42
1,2-Dichloroethane
Concen: 0.179 ug/l
RT: 5.779 min Scan# 1396
Delta R.T. 0.016 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 62 Resp: 545
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

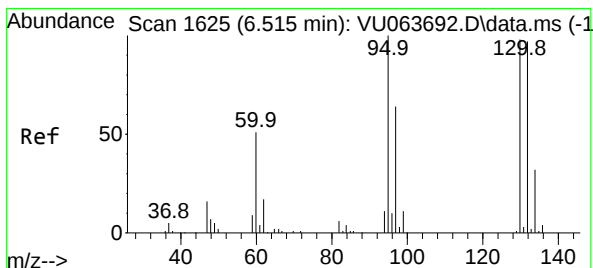
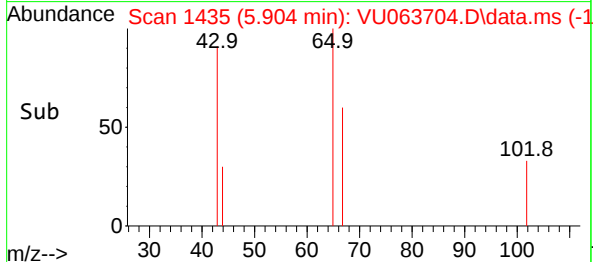
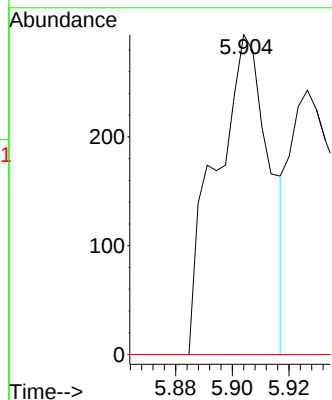
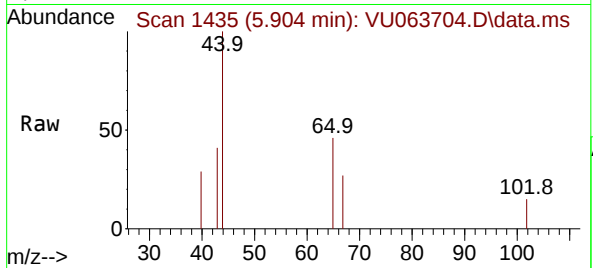




#43
Isopropyl Acetate
Concen: 0.078 ug/l
RT: 5.904 min Scan# 1429
Delta R.T. 0.019 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

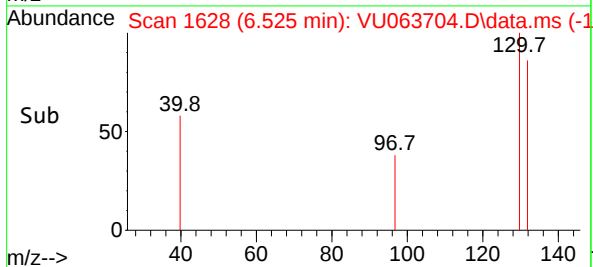
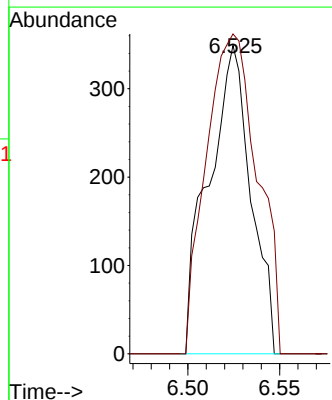
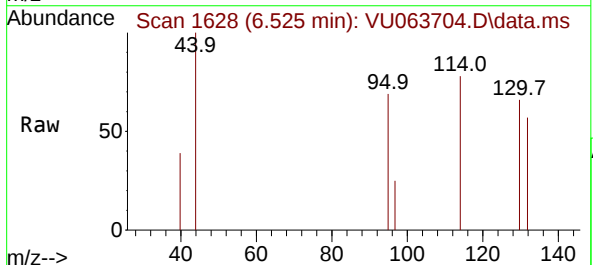
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

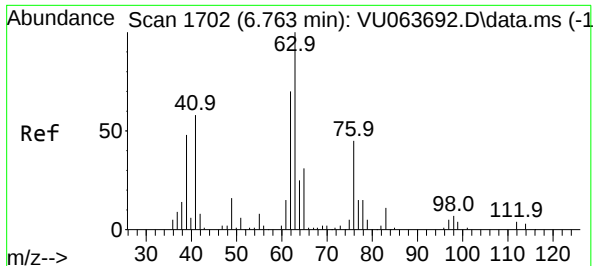
Tgt Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
61 0.0 15.9 23.9#
87 0.0 11.0 16.6#



#44
Trichloroethene
Concen: 0.260 ug/l
RT: 6.525 min Scan# 1628
Delta R.T. 0.010 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:130 Resp: 562
Ion Ratio Lower Upper
130 100
95 103.7 0.0 203.6





#45

1,2-Dichloropropane

Concen: 0.199 ug/l

RT: 6.769 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

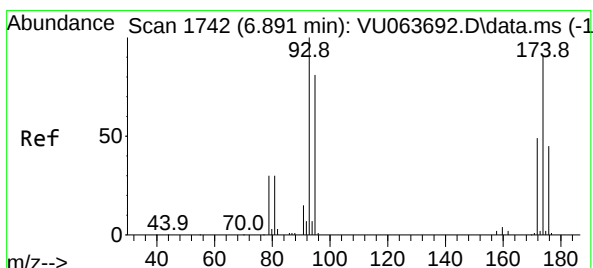
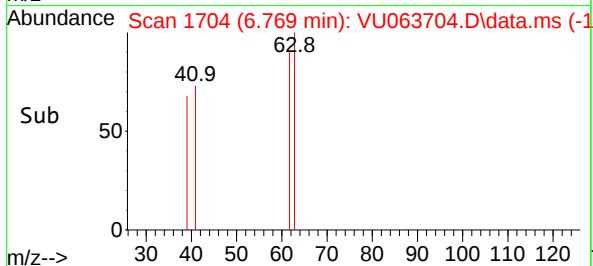
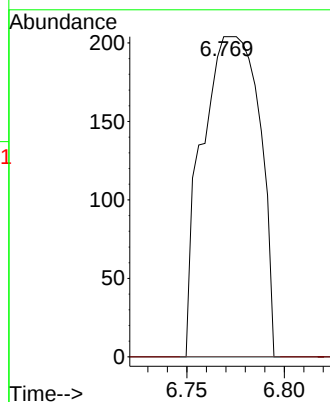
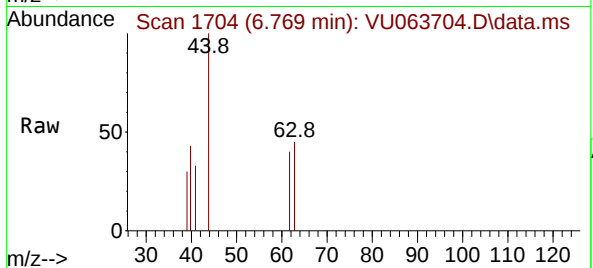
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 63 Resp: 417

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#46

Dibromomethane

Concen: 0.195 ug/l

RT: 6.901 min Scan# 1745

Delta R.T. 0.010 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

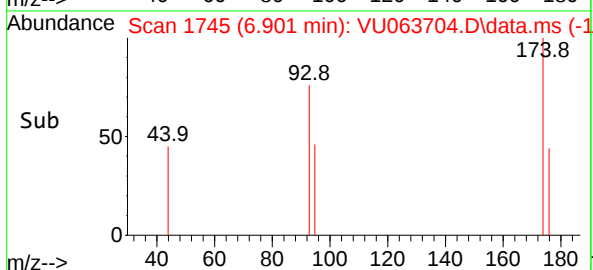
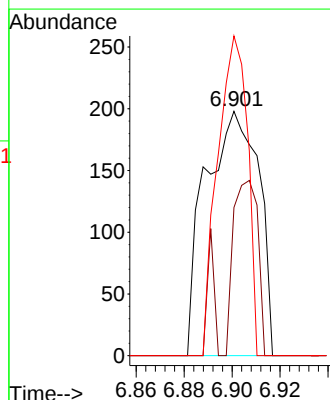
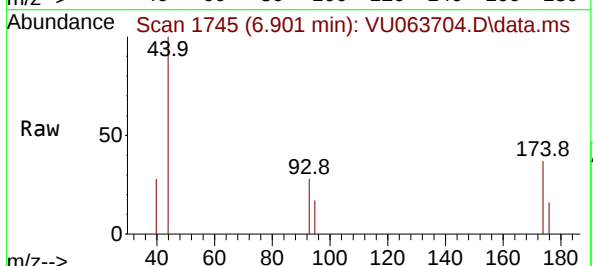
Tgt Ion: 93 Resp: 306

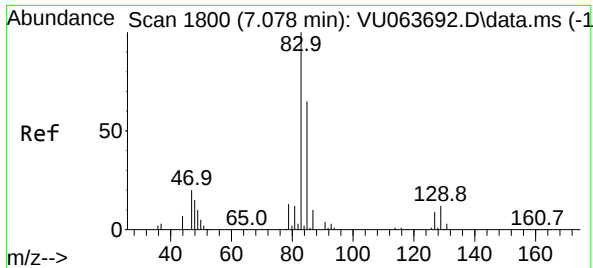
Ion Ratio Lower Upper

93 100

95 33.0 65.9 98.9#

174 73.2 74.9 112.3#

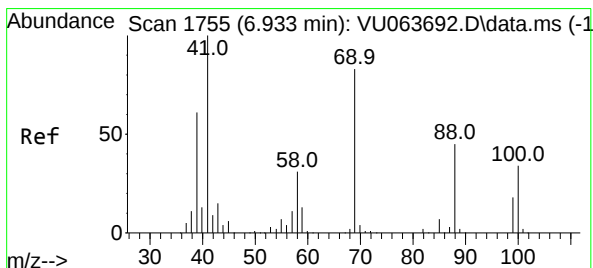
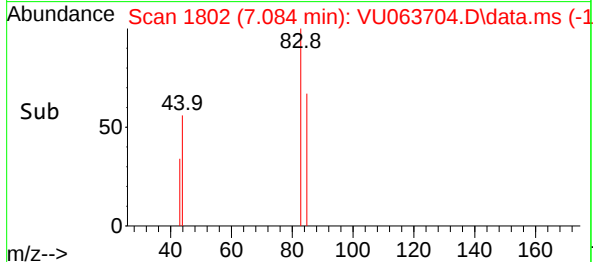
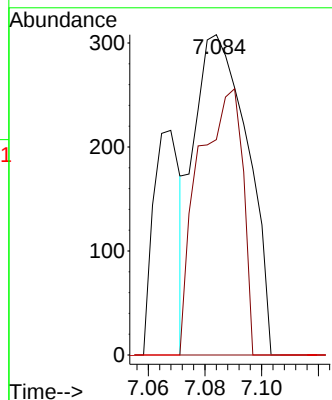
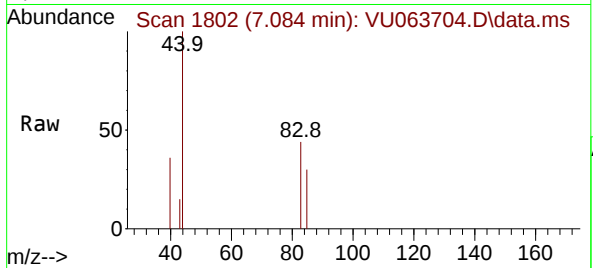




#47
Bromodichloromethane
Concen: 0.127 ug/l
RT: 7.084 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

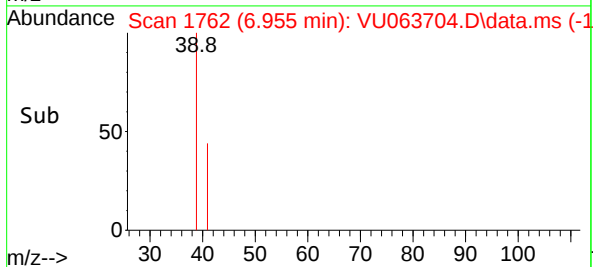
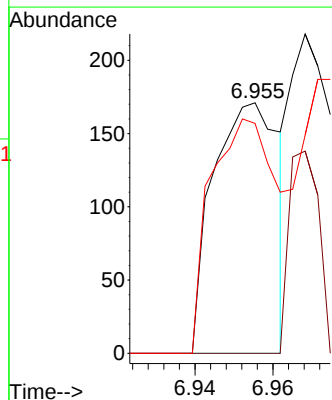
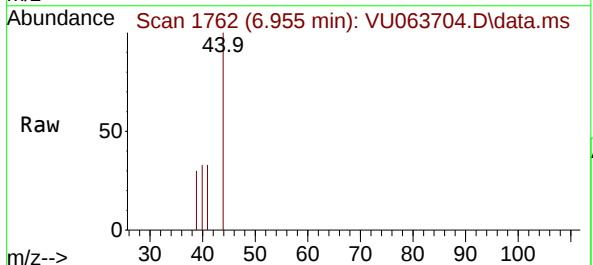
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

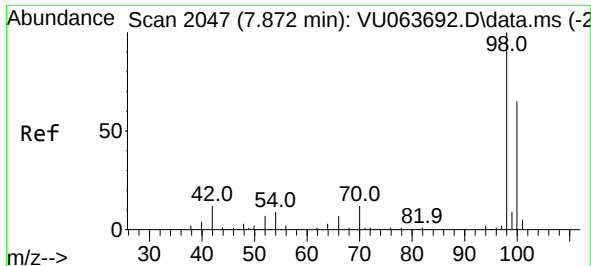
Tgt Ion: 83 Resp: 404
Ion Ratio Lower Upper
83 100
85 67.2 51.9 77.9
127 0.0 6.9 10.3#



#48
Methyl methacrylate
Concen: 0.082 ug/l
RT: 6.955 min Scan# 1762
Delta R.T. 0.022 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 41 Resp: 199
Ion Ratio Lower Upper
41 100
69 0.0 72.9 109.3#
39 91.0 51.0 76.4#

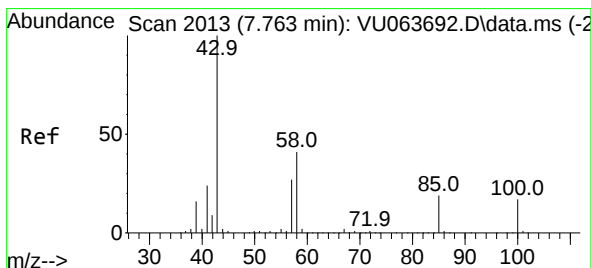
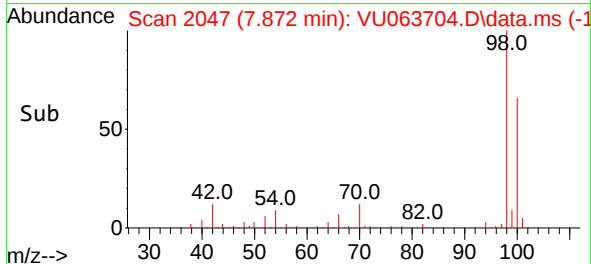
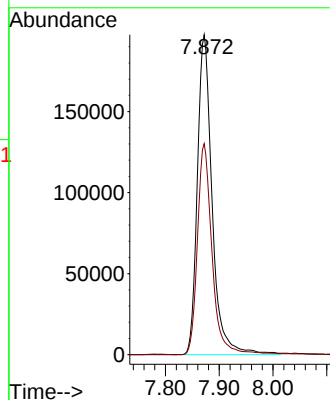
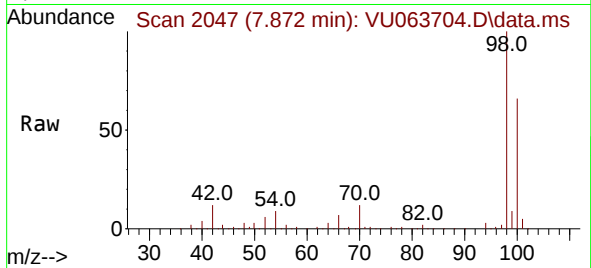




#50
Toluene-d8
Concen: 44.843 ug/l
RT: 7.872 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

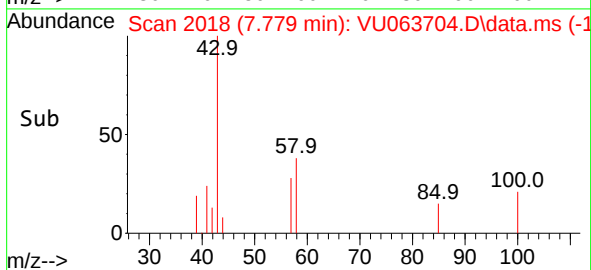
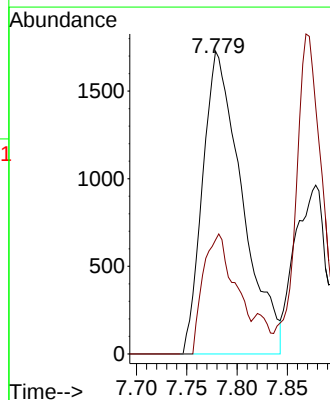
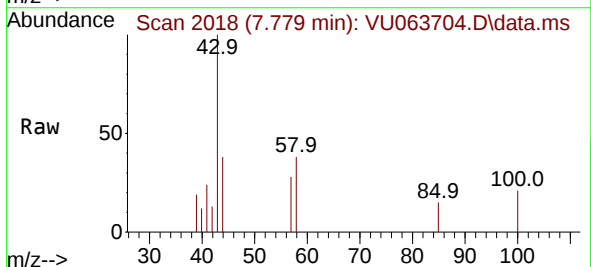
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

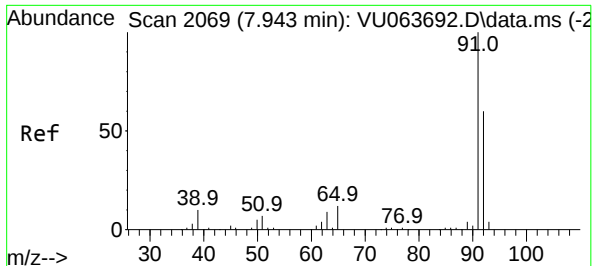
Tgt Ion: 98 Resp: 377700
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.243 ug/l
RT: 7.779 min Scan# 2018
Delta R.T. 0.016 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 43 Resp: 4710
Ion Ratio Lower Upper
43 100
58 32.3 32.3 48.5

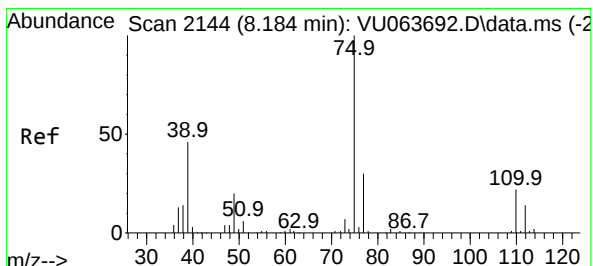
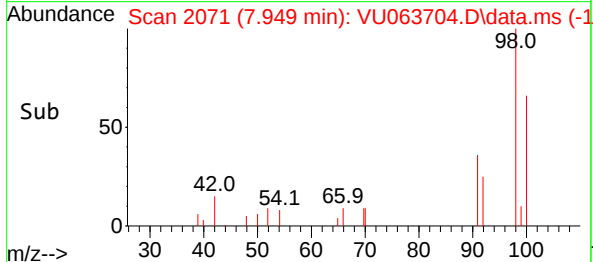
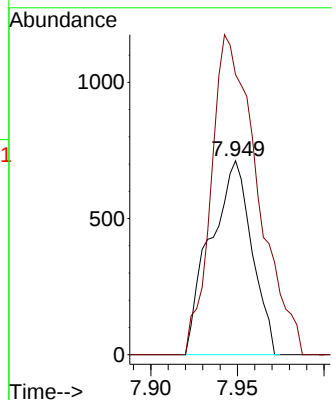
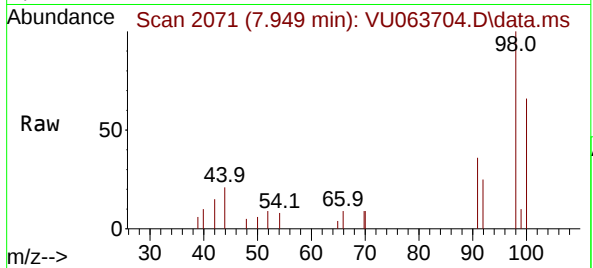




#52
Toluene
Concen: 0.237 ug/l
RT: 7.949 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

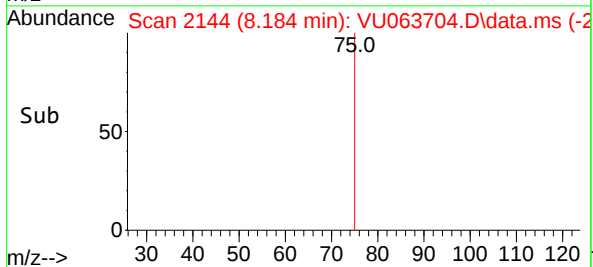
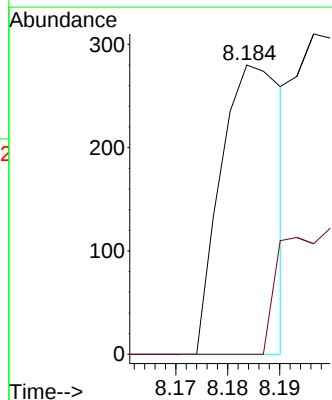
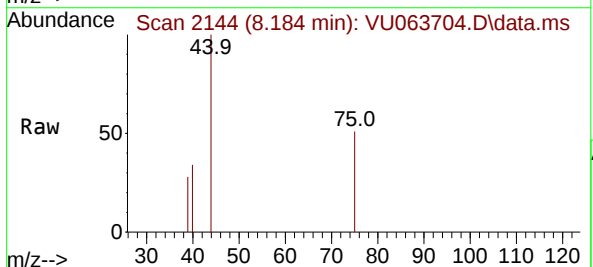
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

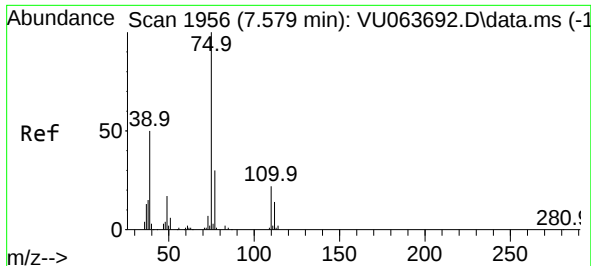
Tgt Ion: 92 Resp: 1184
Ion Ratio Lower Upper
92 100
91 183.6 136.6 204.8



#53
t-1,3-Dichloropropene
Concen: 0.085 ug/l
RT: 8.184 min Scan# 2144
Delta R.T. -0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 75 Resp: 228
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#

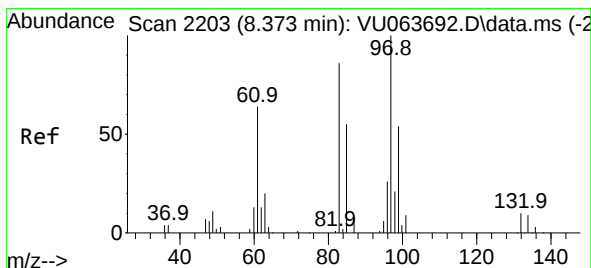
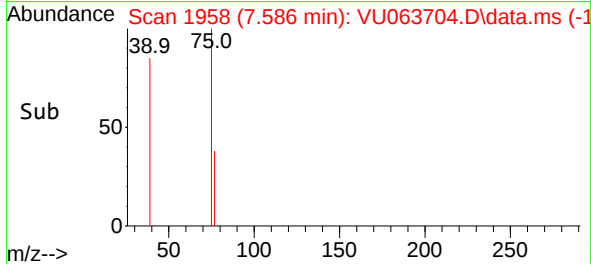
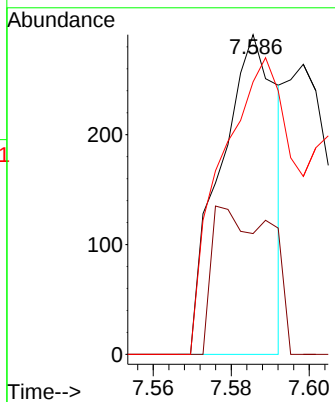
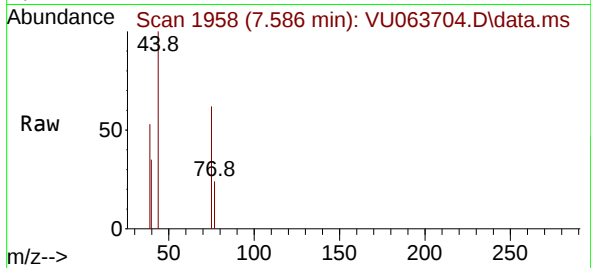




#54
cis-1,3-Dichloropropene
Concen: 0.097 ug/l
RT: 7.586 min Scan# 1956
Delta R.T. 0.007 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

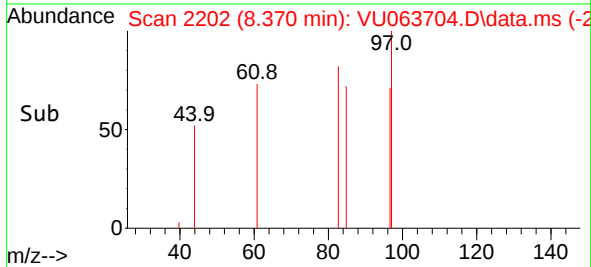
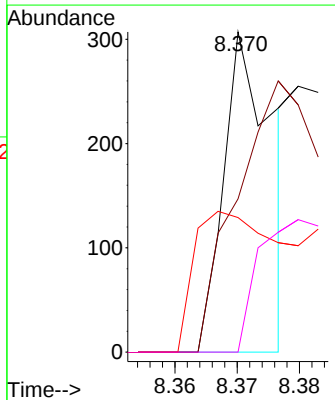
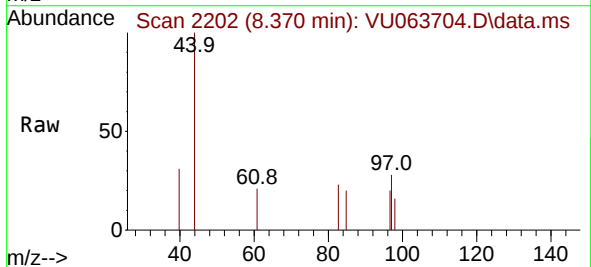
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

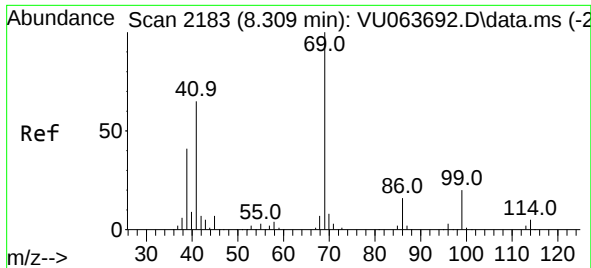
Tgt Ion: 75 Resp: 293
Ion Ratio Lower Upper
75 100
77 37.8 24.3 36.5#
39 85.2 40.2 60.2#



#55
1,1,2-Trichloroethane
Concen: 0.073 ug/l
RT: 8.370 min Scan# 2202
Delta R.T. -0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 97 Resp: 168
Ion Ratio Lower Upper
97 100
83 47.9 69.0 103.4#
85 42.0 44.2 66.4#
99 0.0 49.6 74.4#

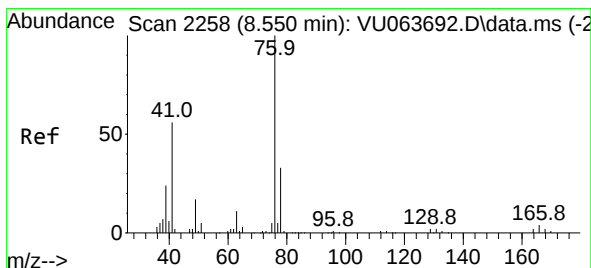
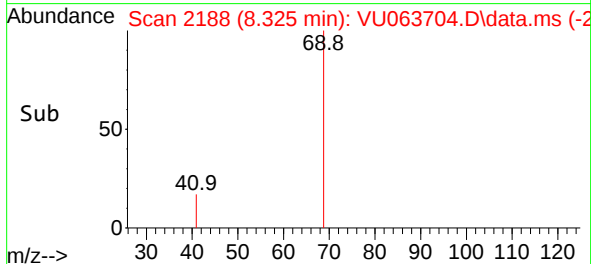
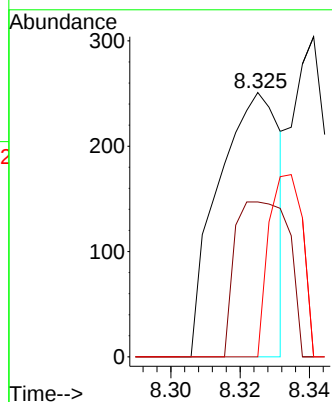
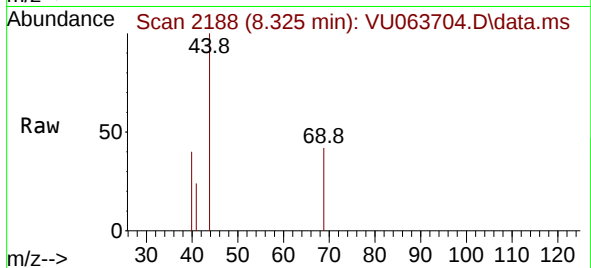




#56
Ethyl methacrylate
Concen: 0.091 ug/l
RT: 8.325 min Scan# 2183
Delta R.T. 0.016 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

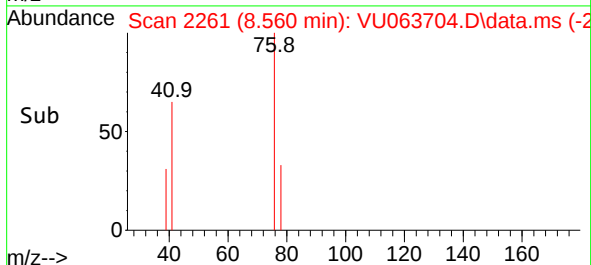
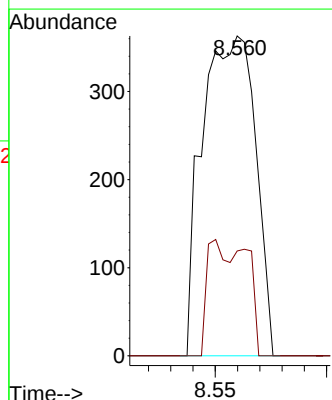
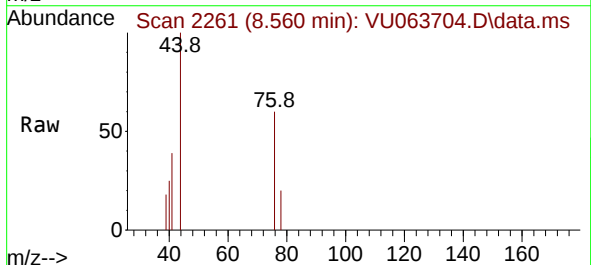
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

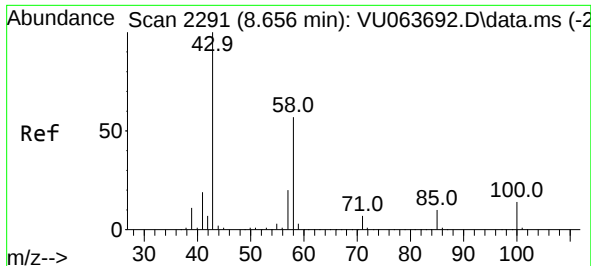
Tgt Ion: 69 Resp: 308
Ion Ratio Lower Upper
69 100
41 51.3 51.4 77.2#
39 0.0 32.2 48.4#



#57
1,3-Dichloropropane
Concen: 0.161 ug/l
RT: 8.560 min Scan# 2261
Delta R.T. 0.010 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 76 Resp: 602
Ion Ratio Lower Upper
76 100
78 15.1 26.2 39.4#





#59

2-Hexanone

Concen: 0.721 ug/l

RT: 8.688 min Scan# 21

Delta R.T. 0.032 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

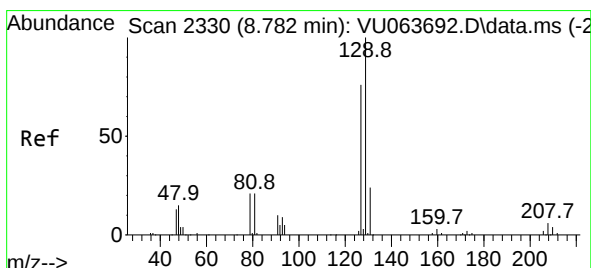
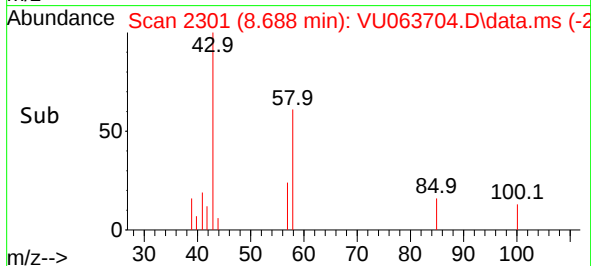
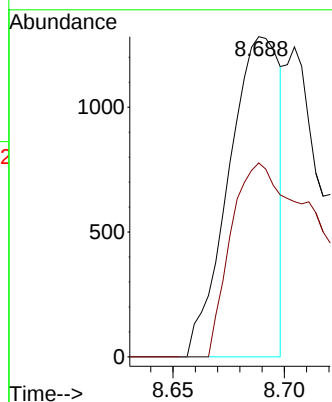
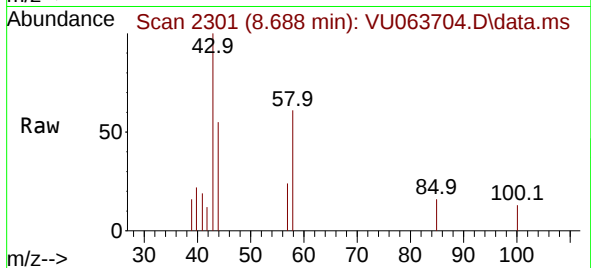
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 43 Resp: 2036

Ion Ratio Lower Upper

43 100

58 115.7 28.4 85.3#



#60

Dibromochloromethane

Concen: 0.082 ug/l

RT: 8.778 min Scan# 2329

Delta R.T. -0.004 min

Lab File: VU063704.D

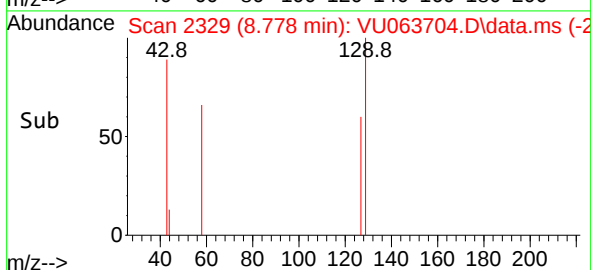
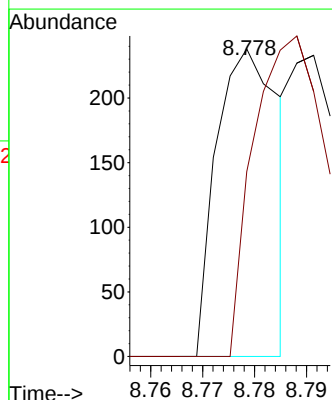
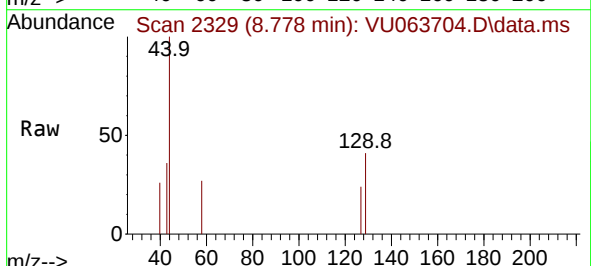
Acq: 11 Nov 2025 14:31

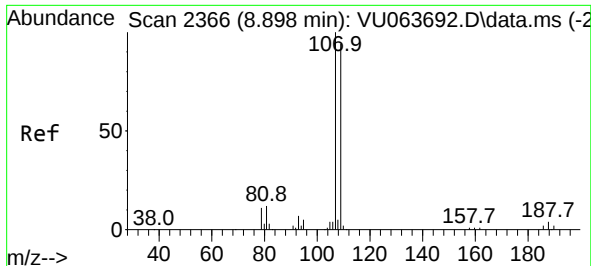
Tgt Ion: 129 Resp: 197

Ion Ratio Lower Upper

129 100

127 126.9 38.2 114.6#

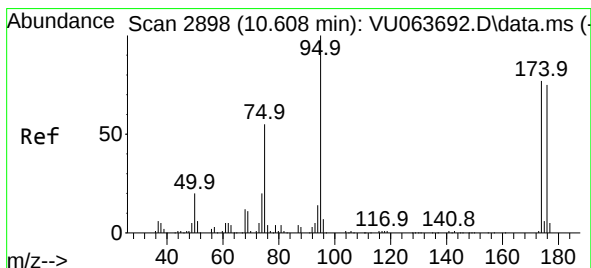
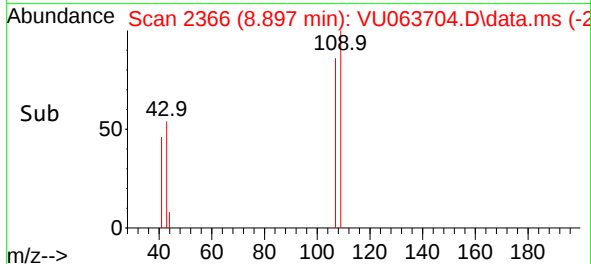
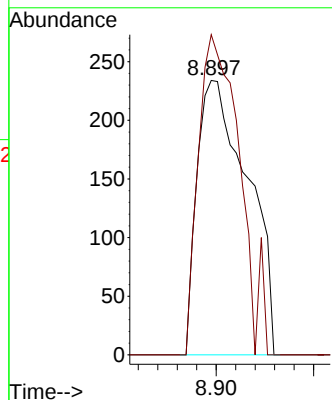
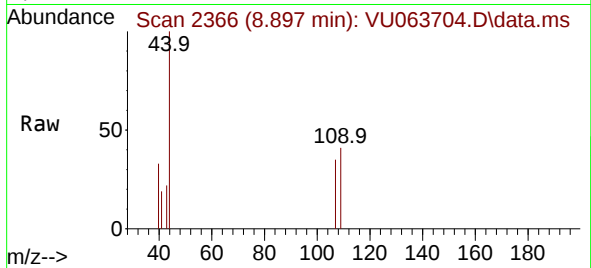




#61
1,2-Dibromoethane
Concen: 0.191 ug/l
RT: 8.897 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

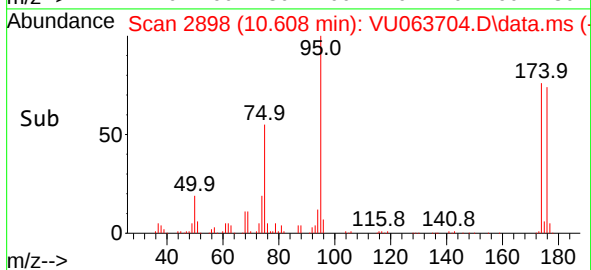
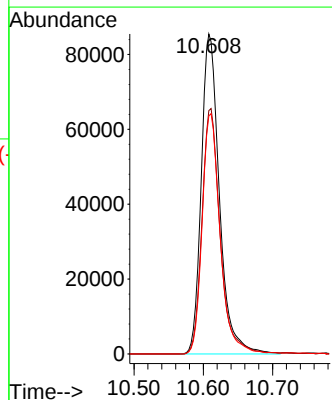
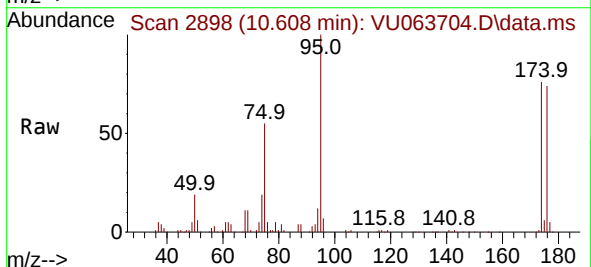
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

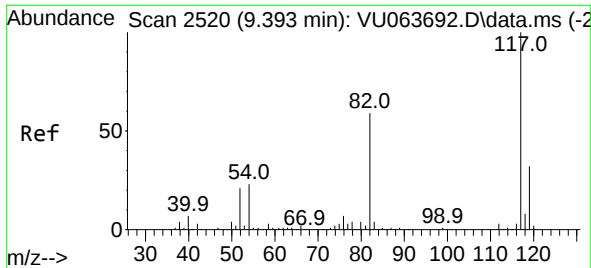
Tgt Ion:107 Resp: 423
Ion Ratio Lower Upper
107 100
109 94.3 73.8 110.8



#62
4-Bromofluorobenzene
Concen: 44.678 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 95 Resp: 155667
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 74.7 0.0 148.4

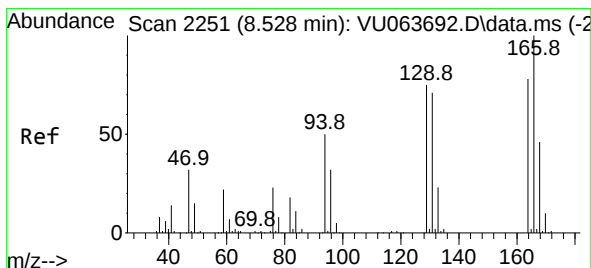
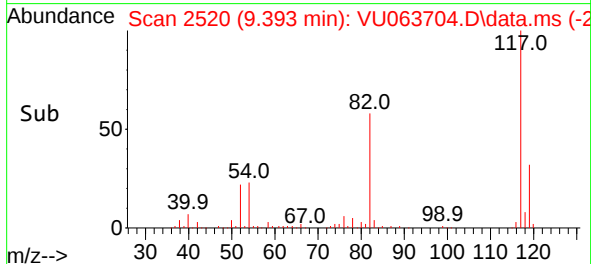
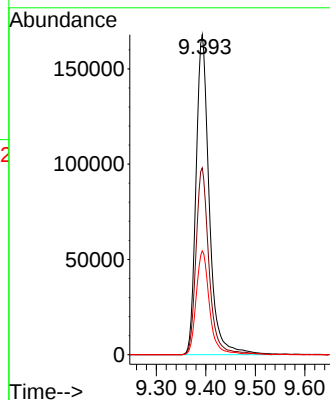
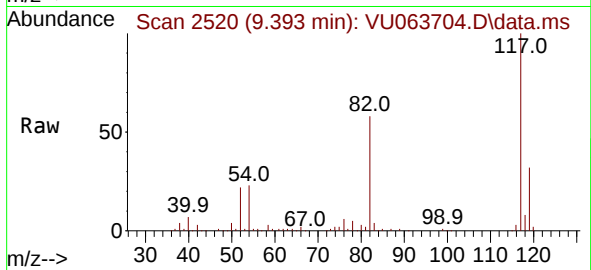




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

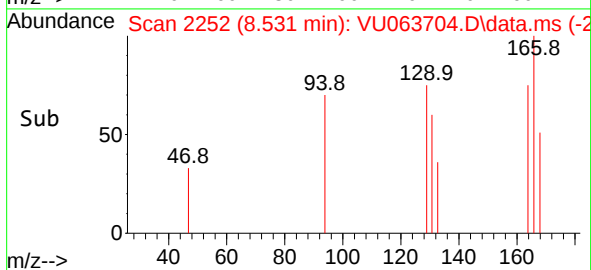
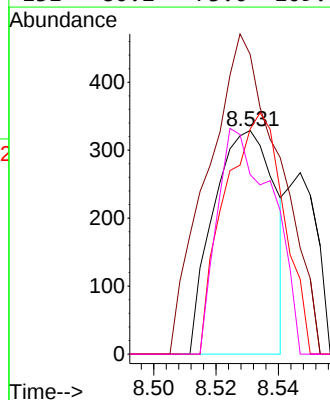
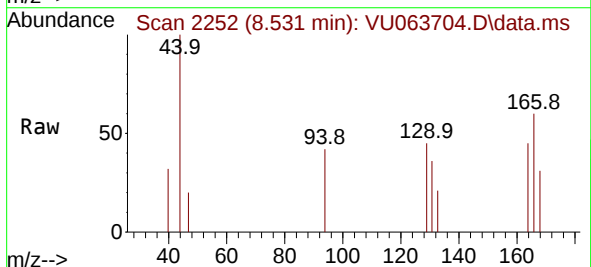
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

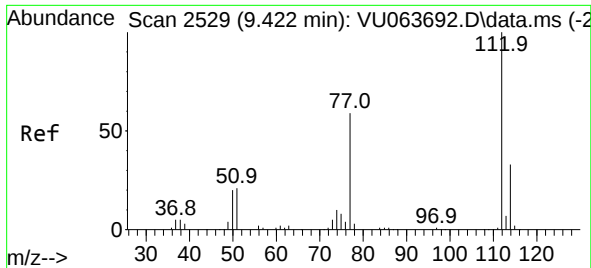
Tgt Ion:117 Resp: 313232
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 0.222 ug/l
RT: 8.531 min Scan# 2252
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:164 Resp: 448
Ion Ratio Lower Upper
164 100
166 101.5 102.5 153.7#
129 100.6 77.1 115.7
131 80.2 73.0 109.6

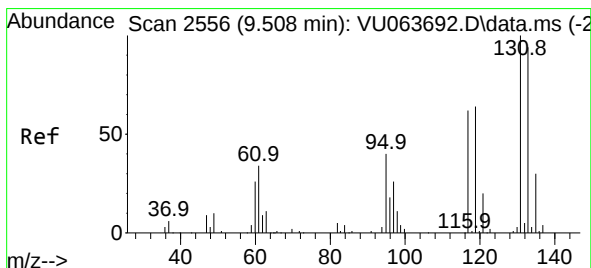
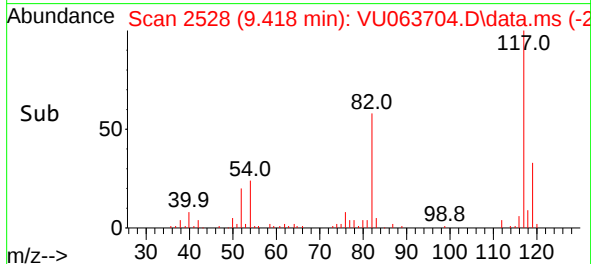
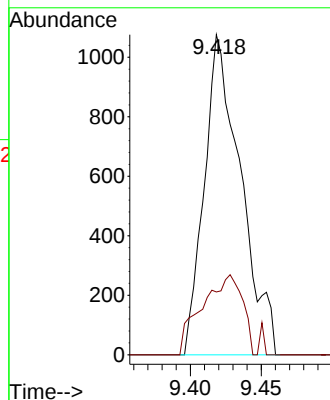
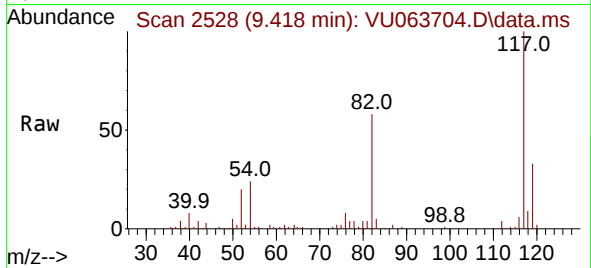




#65
Chlorobenzene
Concen: 0.313 ug/l
RT: 9.418 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

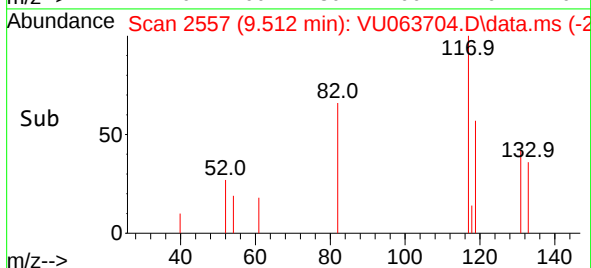
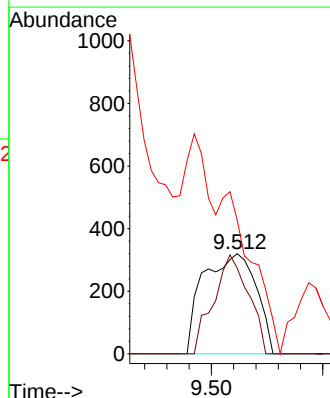
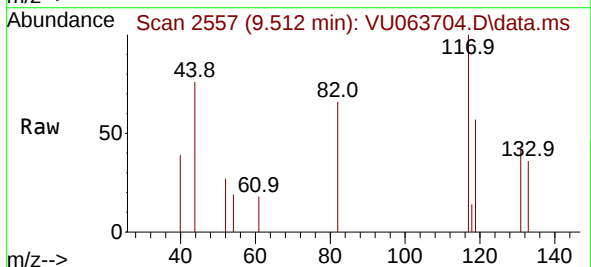
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

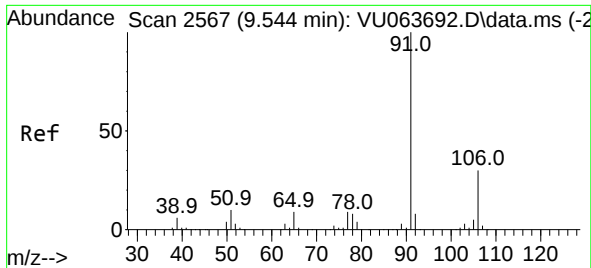
Tgt Ion:112 Resp: 1915
Ion Ratio Lower Upper
112 100
114 19.6 26.2 39.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.253 ug/l
RT: 9.512 min Scan# 2557
Delta R.T. 0.004 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:131 Resp: 527
Ion Ratio Lower Upper
131 100
133 65.5 47.5 142.5
119 0.0 33.3 99.8#

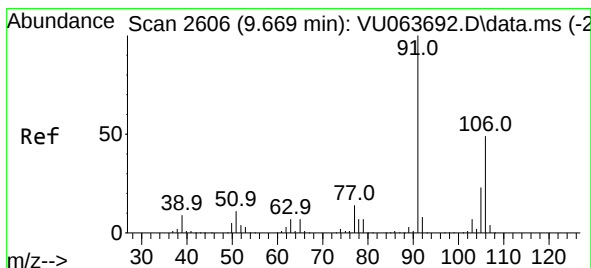
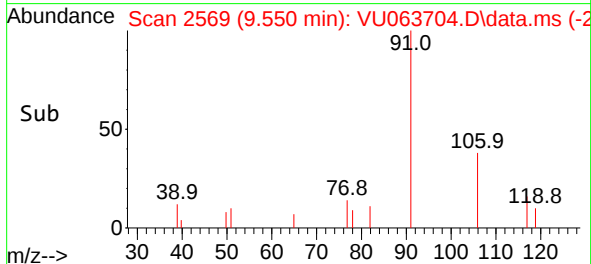
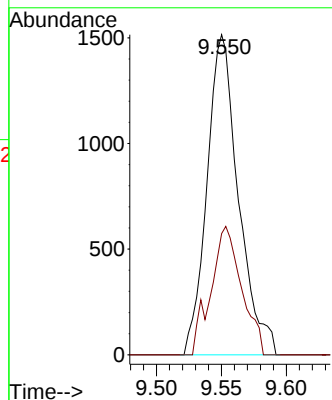
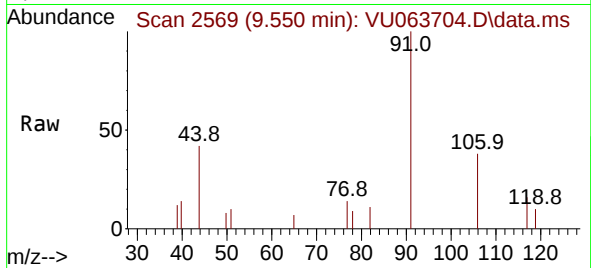




#67
Ethyl Benzene
Concen: 0.250 ug/l
RT: 9.550 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

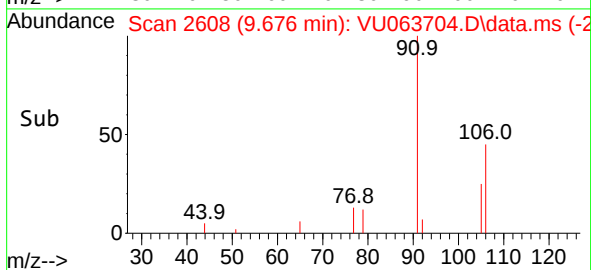
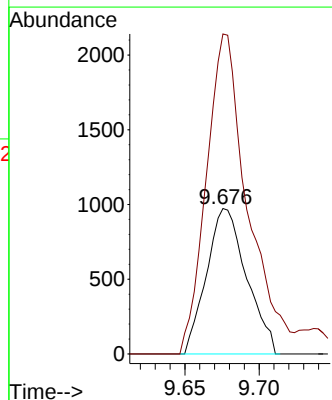
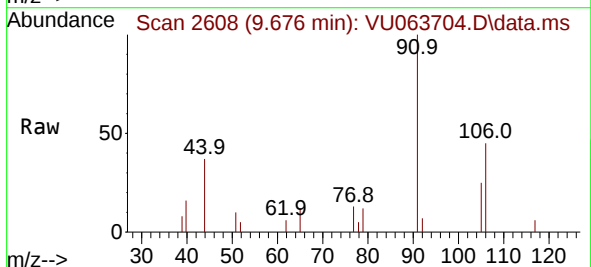
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

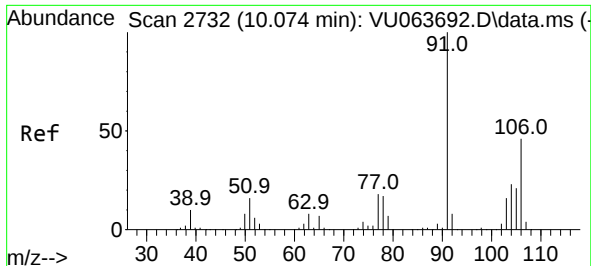
Tgt Ion: 91 Resp: 2546
Ion Ratio Lower Upper
91 100
106 37.9 23.8 35.8#



#68
m/p-Xylenes
Concen: 0.484 ug/l
RT: 9.676 min Scan# 2608
Delta R.T. 0.007 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 106 Resp: 1822
Ion Ratio Lower Upper
106 100
91 227.0 165.7 248.5

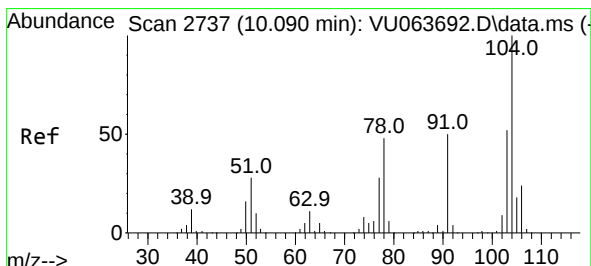
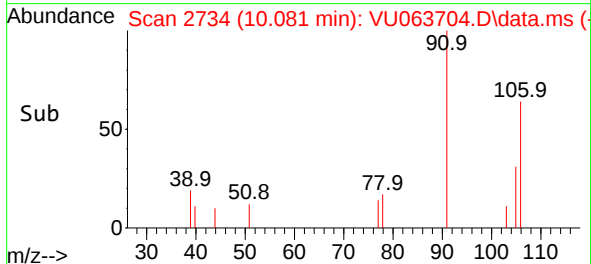
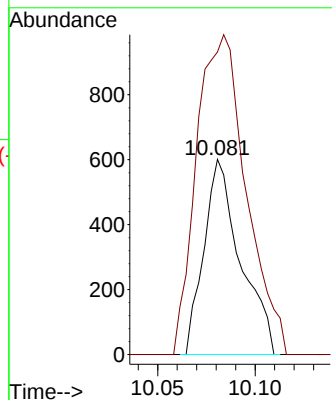
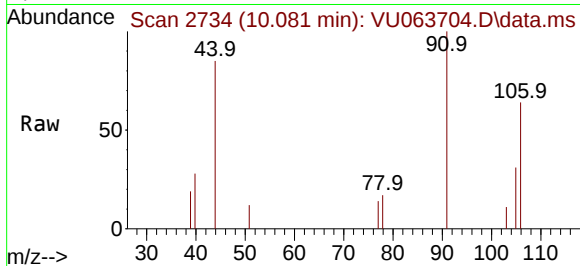




#69
o-Xylene
Concen: 0.202 ug/l
RT: 10.081 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

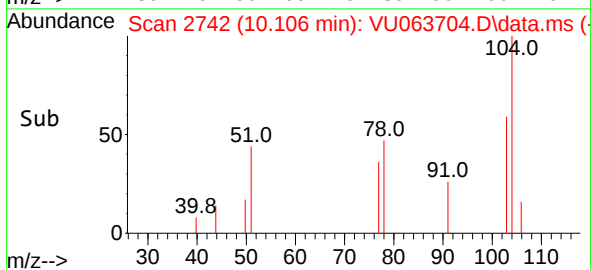
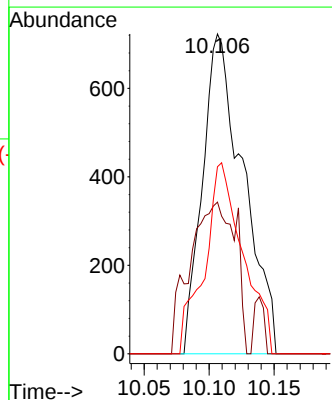
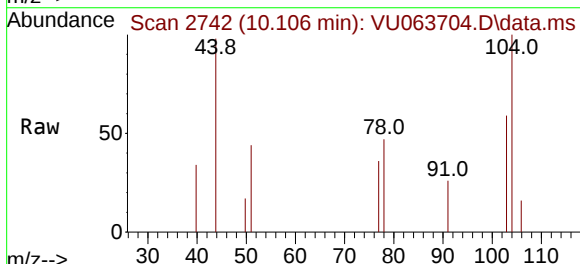
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

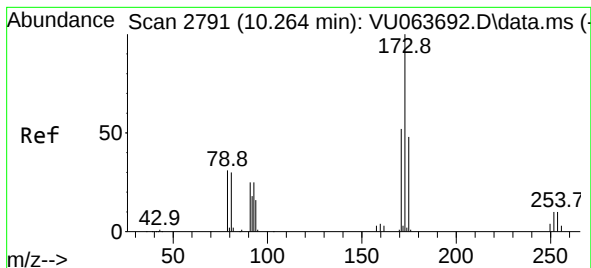
Tgt Ion:106 Resp: 784
Ion Ratio Lower Upper
106 100
91 222.7 108.7 325.9



#70
Styrene
Concen: 0.252 ug/l
RT: 10.106 min Scan# 2742
Delta R.T. 0.016 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:104 Resp: 1574
Ion Ratio Lower Upper
104 100
78 53.3 42.7 64.1
103 56.8 44.0 66.0





#71

Bromoform

Concen: 0.224 ug/l

RT: 10.267 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063704.D

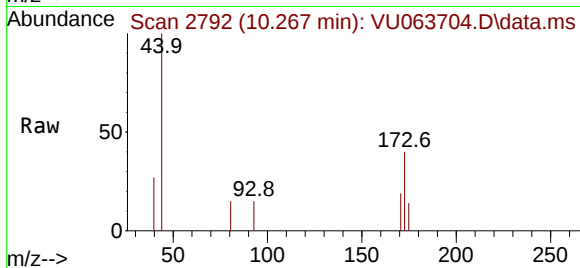
Acq: 11 Nov 2025 14:31

Instrument :

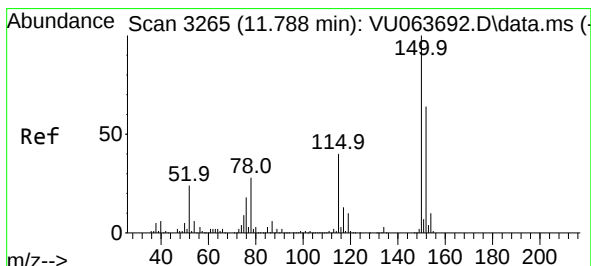
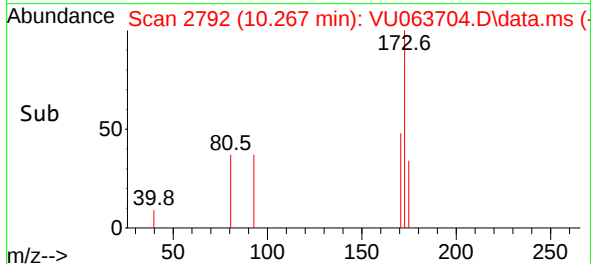
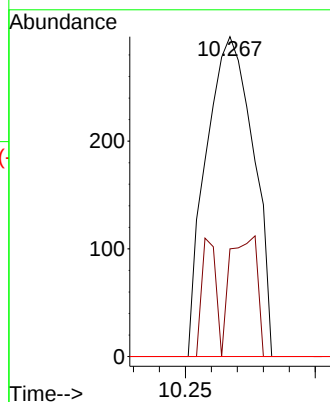
MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



Tgt Ion:	173	Resp:	376
Ion Ratio	Lower	Upper	
173	100		
175	21.5	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

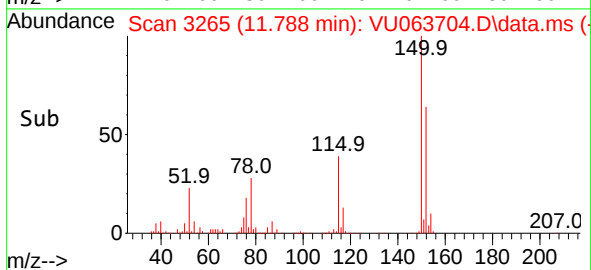
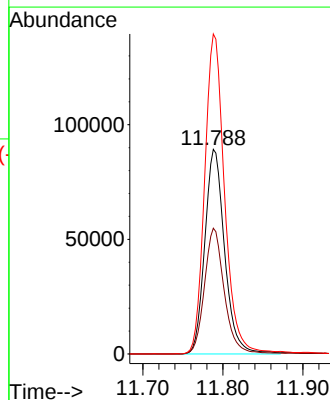
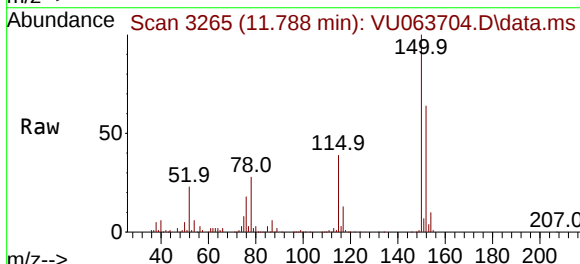
RT: 11.788 min Scan# 3265

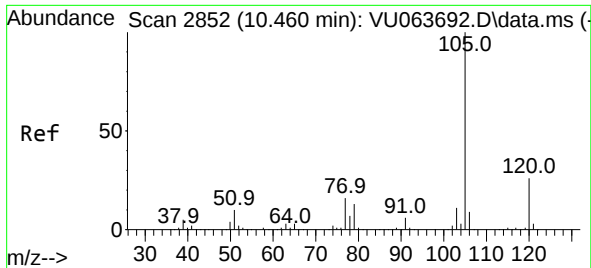
Delta R.T. 0.000 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Tgt Ion:	152	Resp:	154299
Ion Ratio	Lower	Upper	
152	100		
115	61.4	41.0	123.0
150	156.4	0.0	342.2

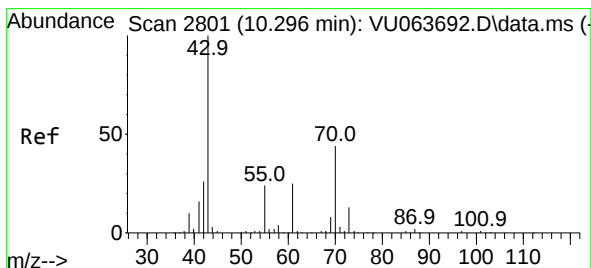
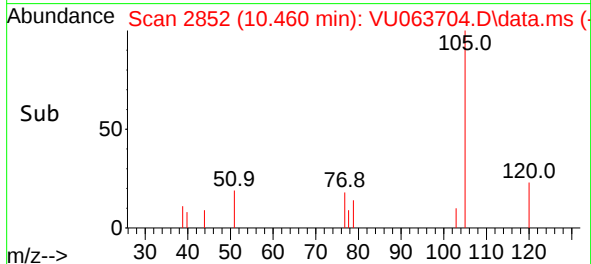
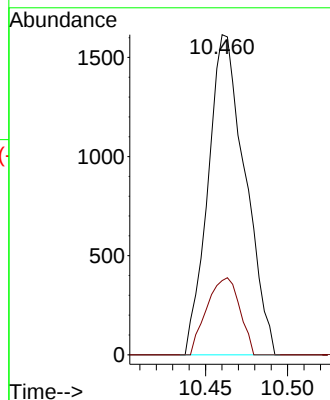
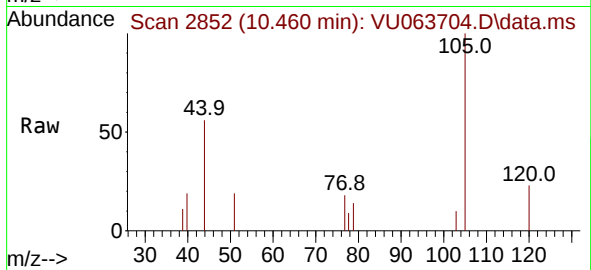




#73
Isopropylbenzene
Concen: 0.262 ug/l
RT: 10.460 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

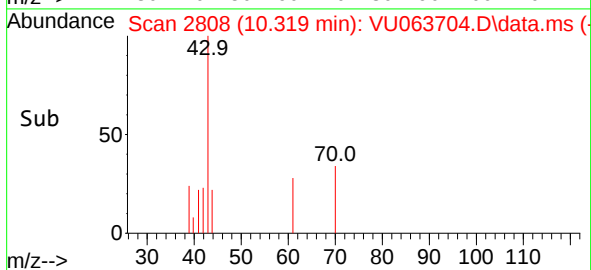
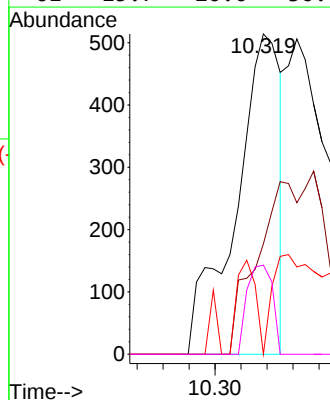
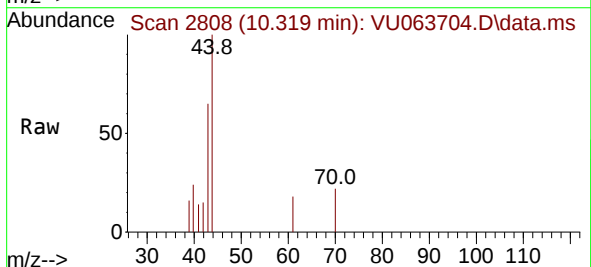
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

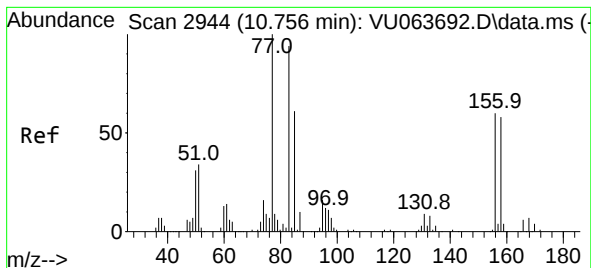
Tgt Ion:105 Resp: 2535
Ion Ratio Lower Upper
105 100
120 21.3 13.0 38.9



#74
N-ethyl acetate
Concen: 0.183 ug/l
RT: 10.319 min Scan# 2808
Delta R.T. 0.023 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
70 49.3 36.5 54.7
55 41.3 20.6 30.8#
61 15.7 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.160 ug/l

RT: 10.766 min Scan# 2944

Delta R.T. 0.010 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

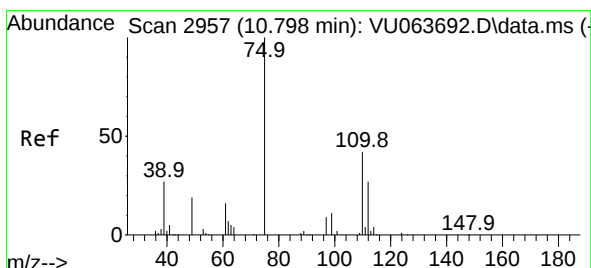
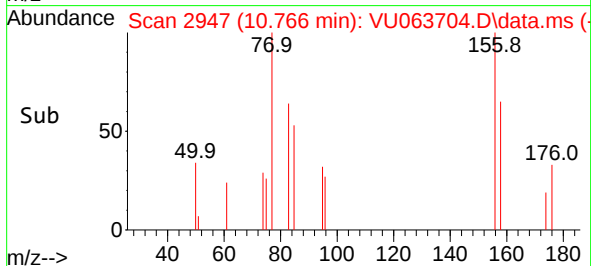
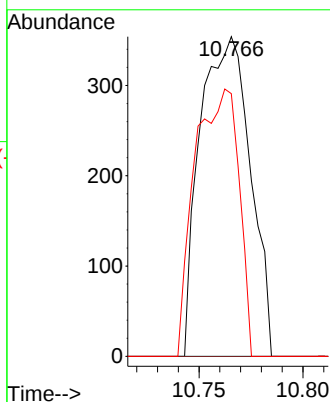
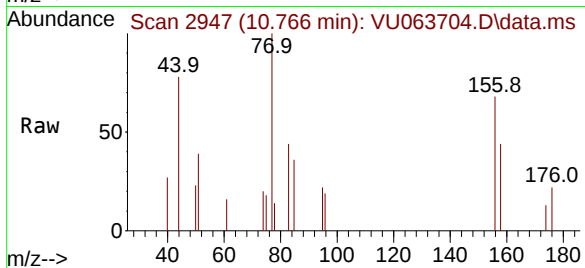
Tgt Ion: 83 Resp: 594

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 73.2 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 21.523 ug/l

RT: 10.608 min Scan# 2898

Delta R.T. -0.190 min

Lab File: VU063704.D

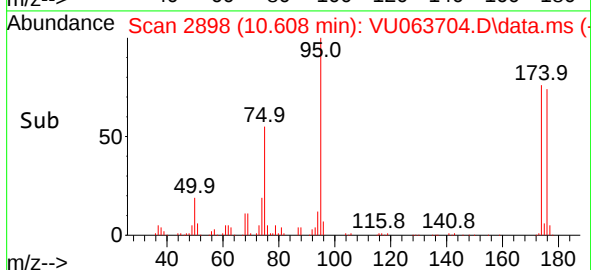
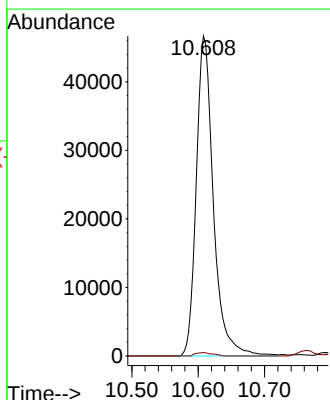
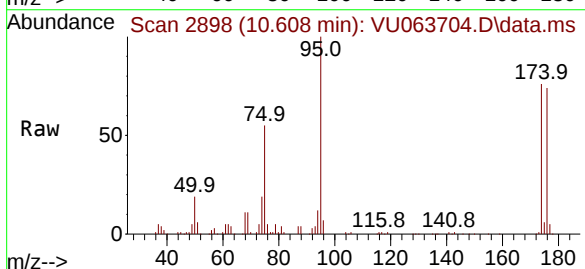
Acq: 11 Nov 2025 14:31

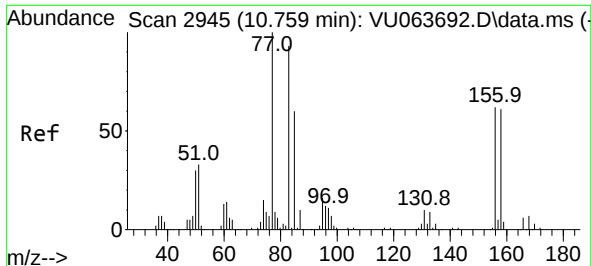
Tgt Ion: 75 Resp: 83689

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

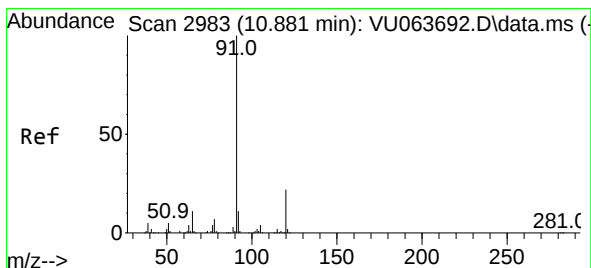
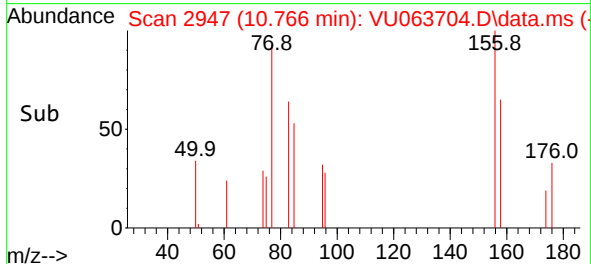
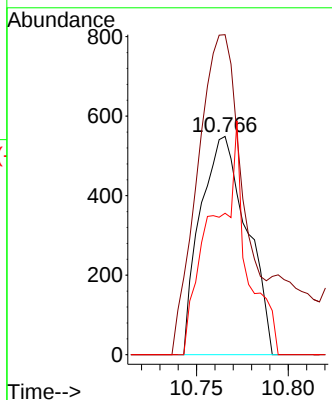
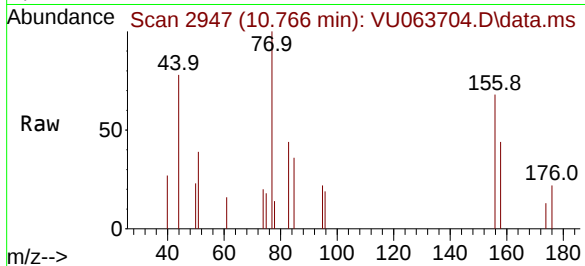




#77
Bromobenzene
Concen: 0.396 ug/l
RT: 10.766 min Scan# 2947
Delta R.T. 0.007 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

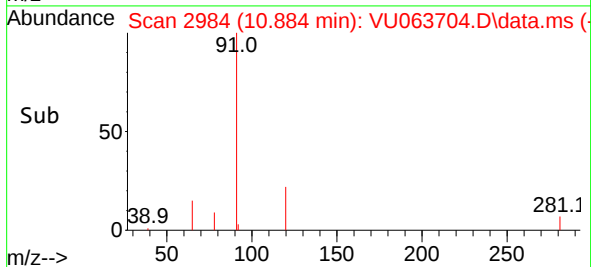
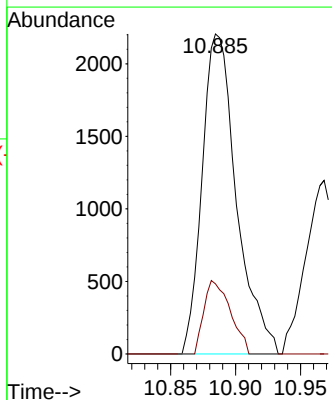
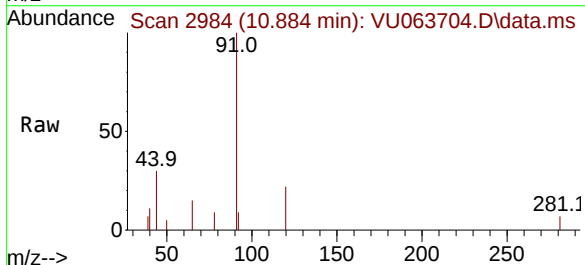
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

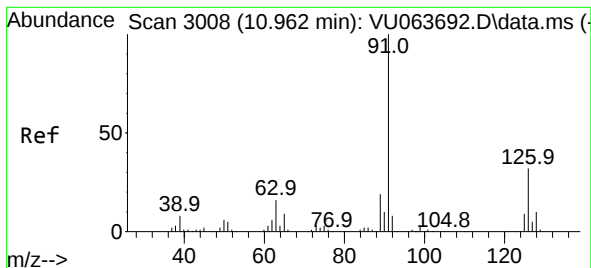
Tgt Ion:156 Resp: 967
Ion Ratio Lower Upper
156 100
77 144.2 81.4 244.2
158 78.1 48.8 146.3



#78
n-propylbenzene
Concen: 0.365 ug/l
RT: 10.884 min Scan# 2984
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 91 Resp: 4060
Ion Ratio Lower Upper
91 100
120 17.7 11.2 33.6





#79

2-Chlorotoluene

Concen: 0.316 ug/l

RT: 10.968 min Scan# 3008

Delta R.T. 0.006 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

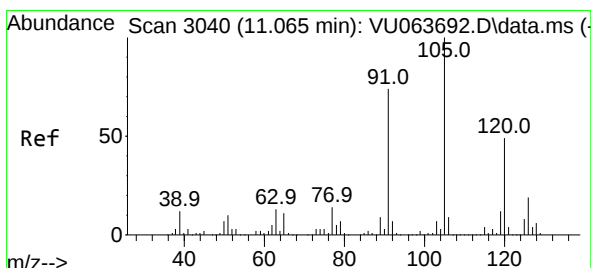
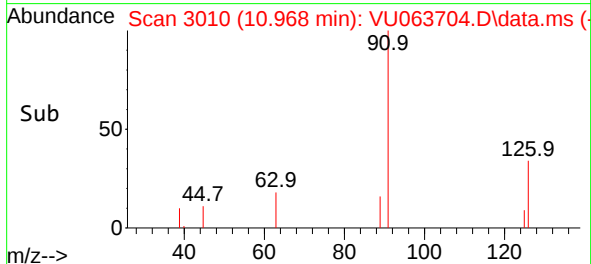
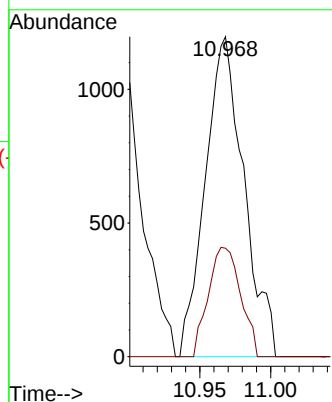
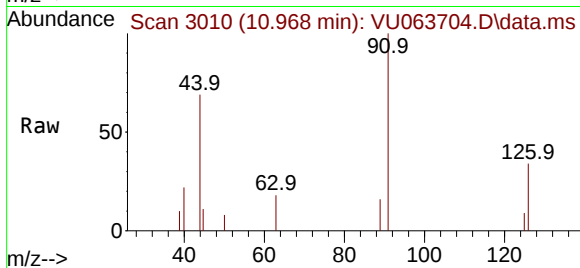
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 91 Resp: 2269

Ion Ratio Lower Upper

91 100

126 28.6 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 0.241 ug/l

RT: 11.071 min Scan# 3042

Delta R.T. 0.006 min

Lab File: VU063704.D

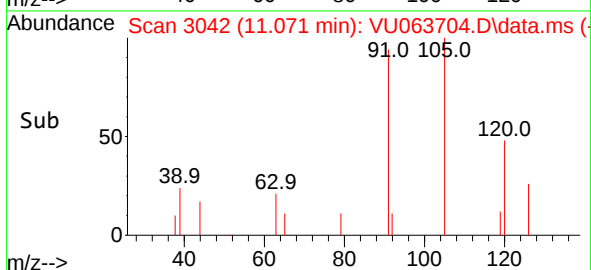
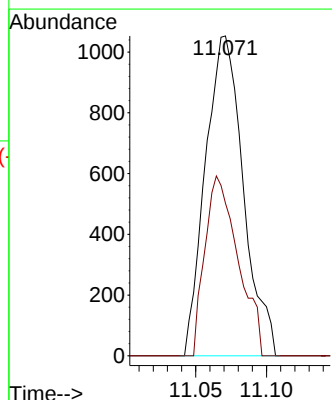
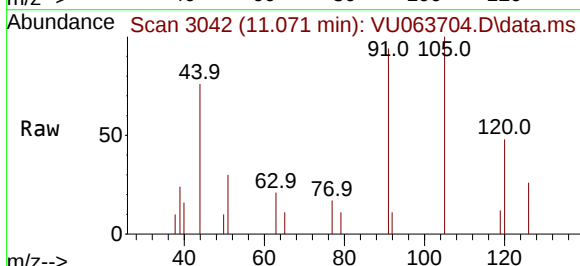
Acq: 11 Nov 2025 14:31

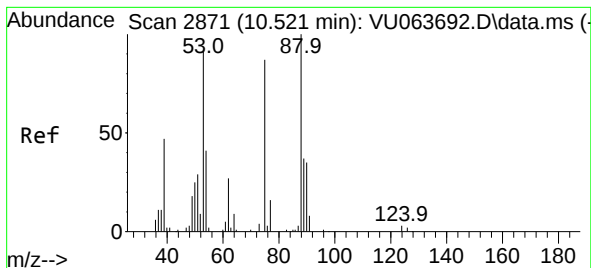
Tgt Ion: 105 Resp: 1963

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2

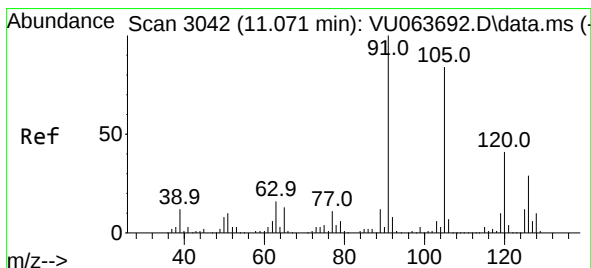
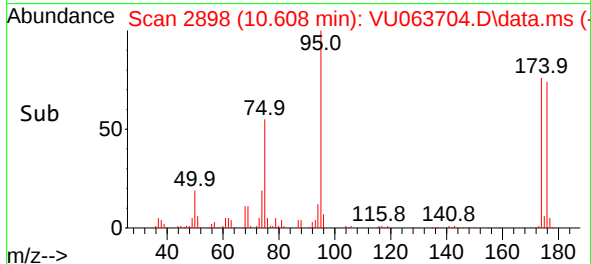
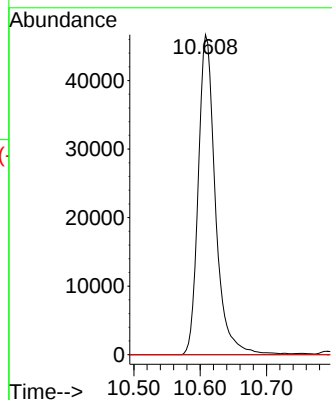
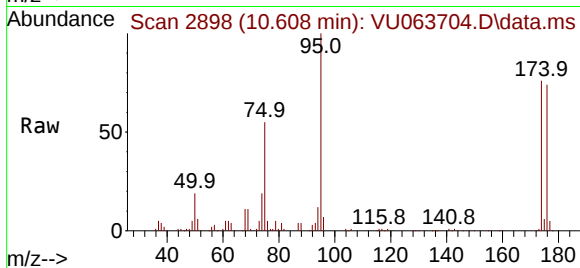




#81
trans-1,4-Dichloro-2-butene
Concen: 114.660 ug/l
RT: 10.608 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

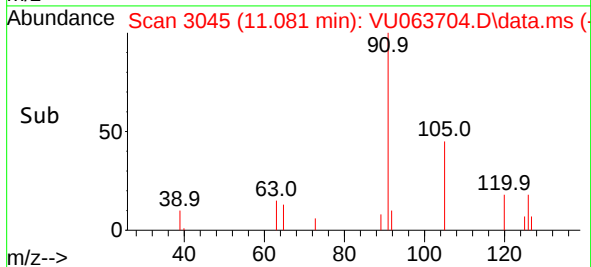
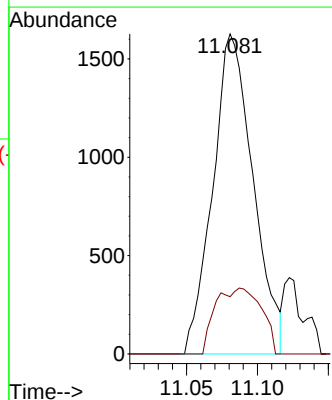
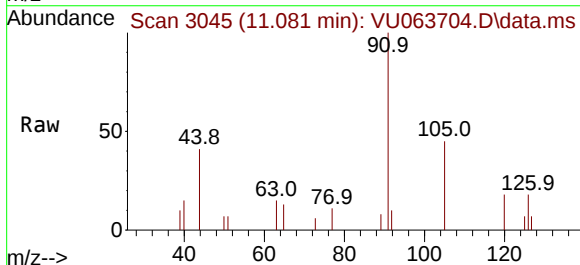
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

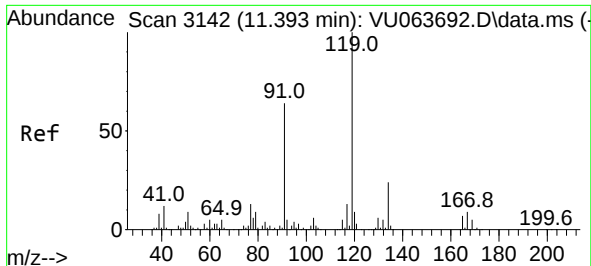
Tgt Ion: 75 Resp: 83689
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 35.2 52.8#



#82
4-Chlorotoluene
Concen: 0.394 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.010 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion: 91 Resp: 3218
Ion Ratio Lower Upper
91 100
126 23.4 14.2 42.8

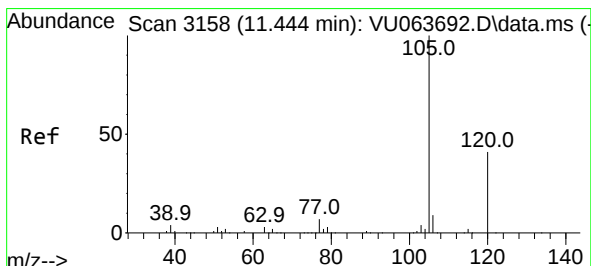
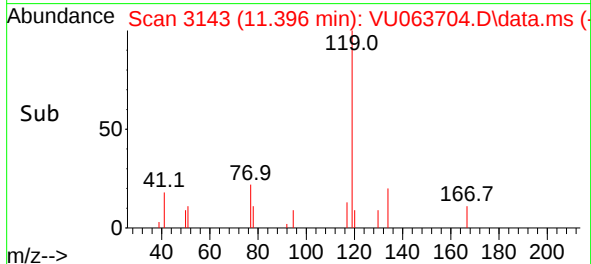
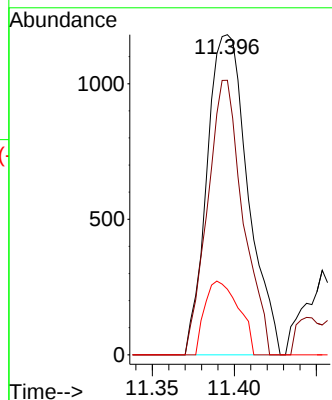
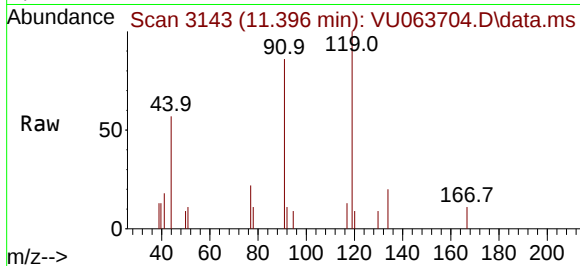




#83
tert-Butylbenzene
Concen: 0.242 ug/l
RT: 11.396 min Scan# 3142
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

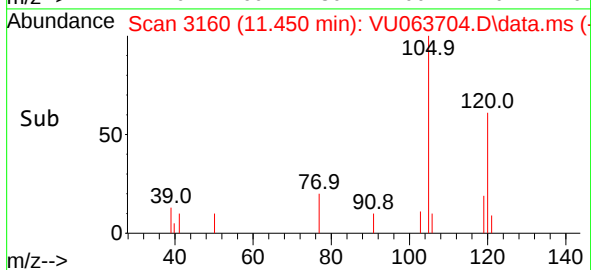
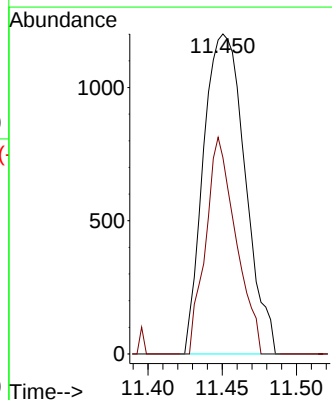
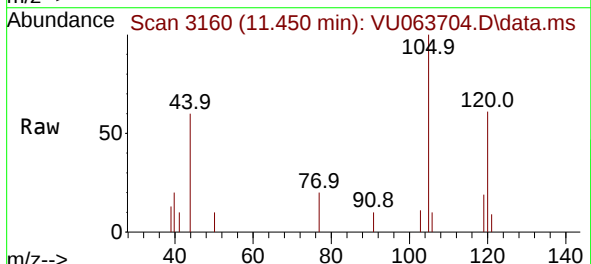
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

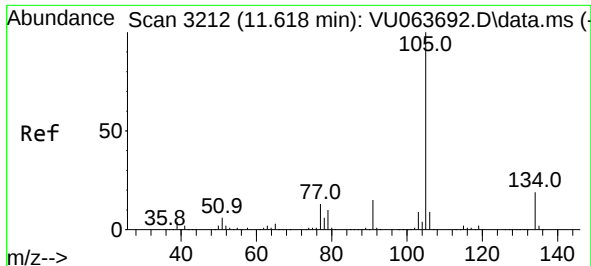
Tgt Ion:119	Resp:	2051
Ion Ratio	Lower	Upper
119	100	
91	74.1	30.8 92.3
134	18.9	11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 0.293 ug/l
RT: 11.450 min Scan# 3160
Delta R.T. 0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:105	Resp:	2341
Ion Ratio	Lower	Upper
105	100	
120	49.3	22.4 67.3

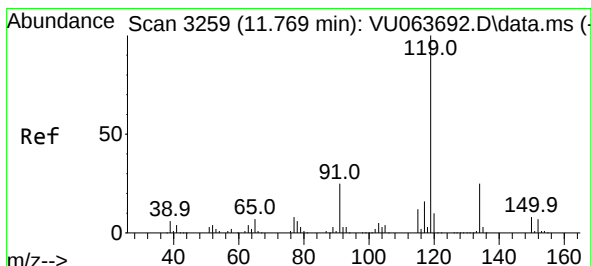
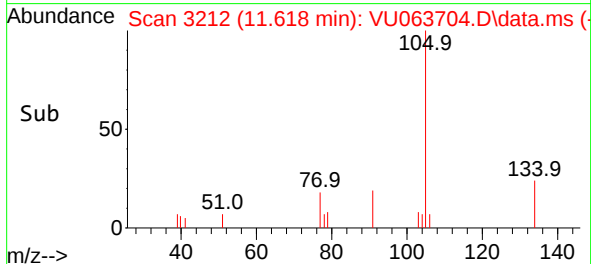
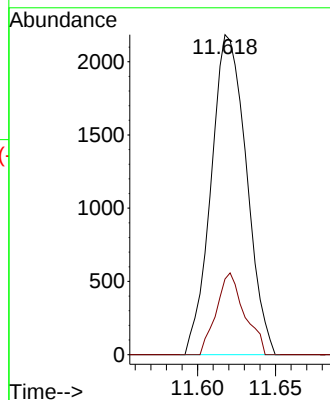
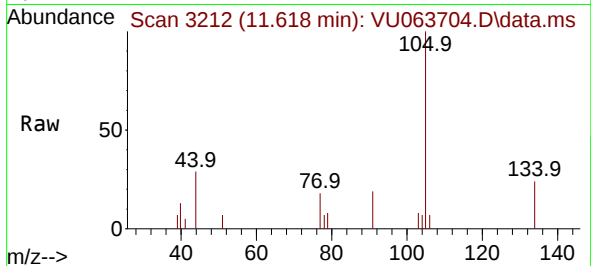




#85
 sec-Butylbenzene
 Concen: 0.322 ug/l
 RT: 11.618 min Scan# 3212
 Delta R.T. -0.000 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

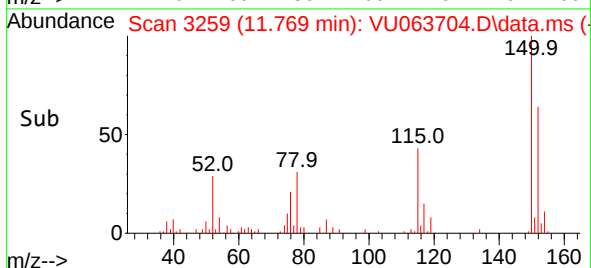
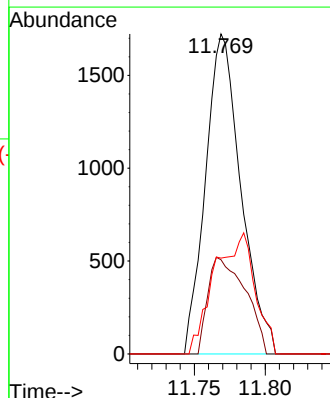
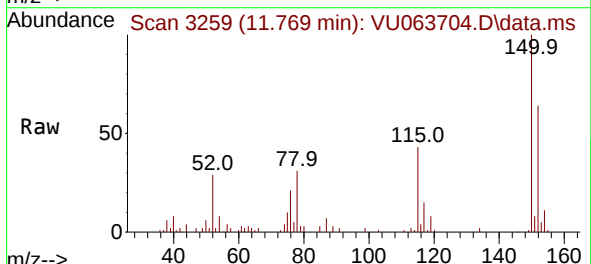
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

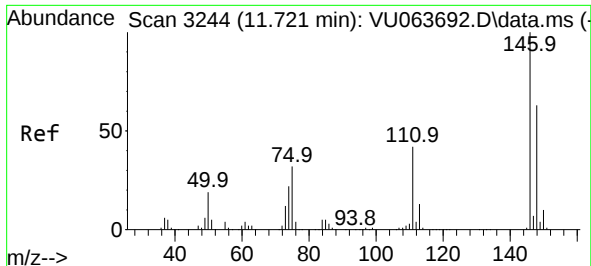
Tgt Ion:105 Resp: 3439
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.349 ug/l
 RT: 11.769 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU063704.D
 Acq: 11 Nov 2025 14:31

Tgt Ion:119 Resp: 2994
 Ion Ratio Lower Upper
 119 100
 134 31.9 12.6 37.6
 91 43.5 12.6 37.8#





#87

1,3-Dichlorobenzene

Concen: 0.484 ug/l

RT: 11.733 min Scan# 3248

Delta R.T. 0.012 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

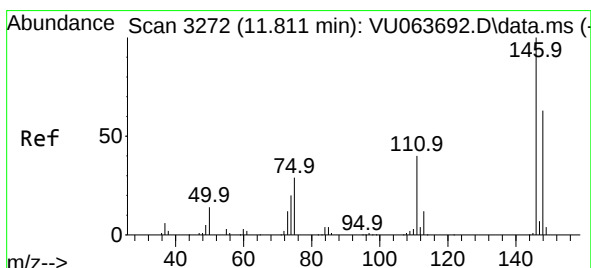
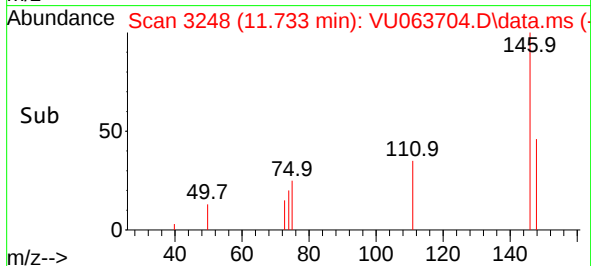
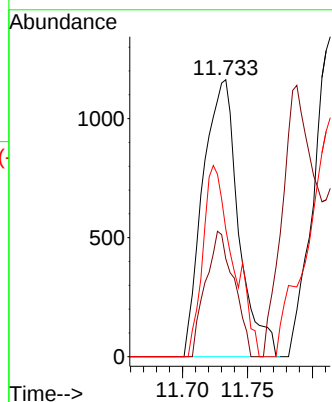
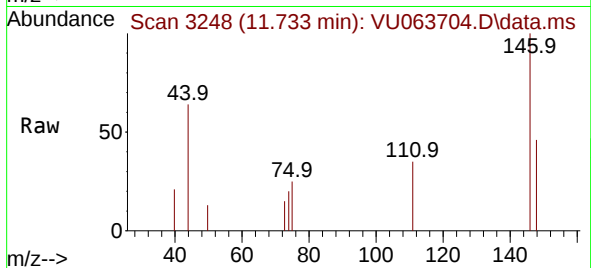
Tgt Ion:146 Resp: 2220

Ion Ratio Lower Upper

146 100

111 36.0 20.6 61.8

148 58.2 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 0.463 ug/l

RT: 11.733 min Scan# 3248

Delta R.T. -0.078 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

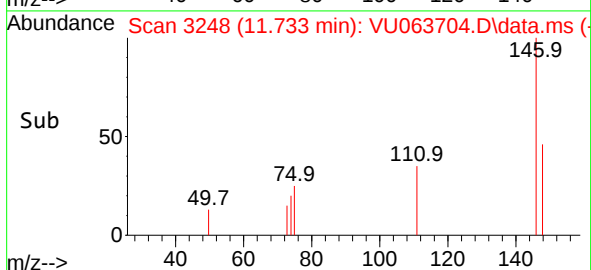
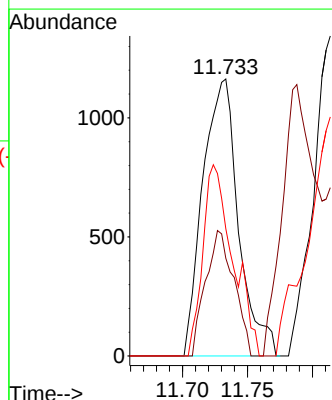
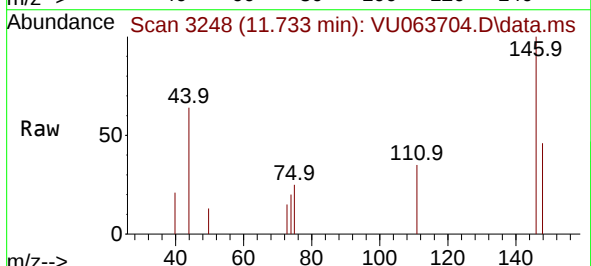
Tgt Ion:146 Resp: 2220

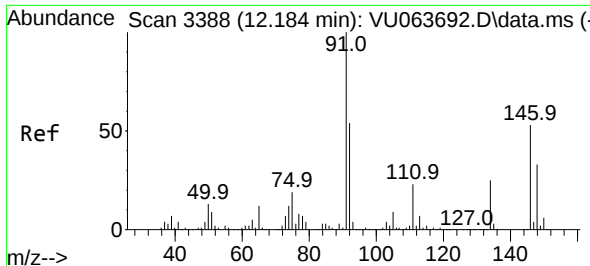
Ion Ratio Lower Upper

146 100

111 36.0 20.4 61.3

148 58.2 31.4 94.3





#89

n-Butylbenzene

Concen: 0.657 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

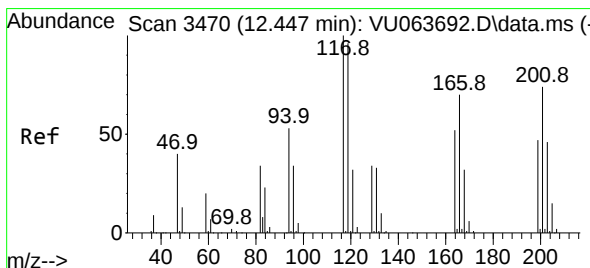
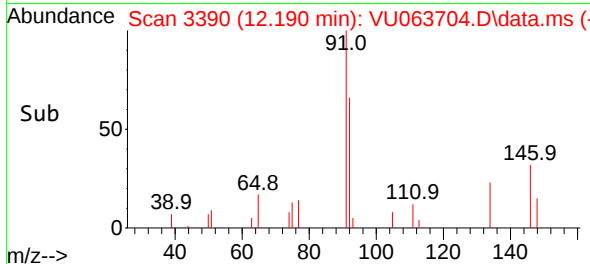
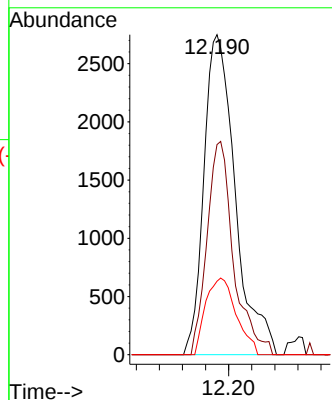
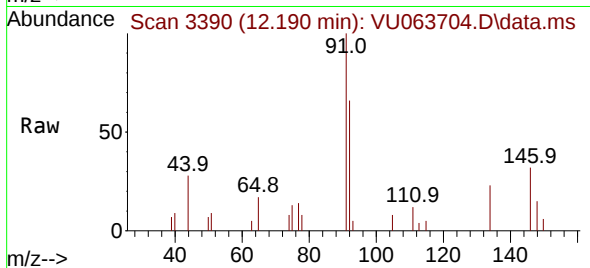
Tgt Ion: 91 Resp: 5179

Ion Ratio Lower Upper

91 100

92 56.5 27.0 81.0

134 23.3 12.4 37.4



#90

Hexachloroethane

Concen: 0.048 ug/l

RT: 12.454 min Scan# 3472

Delta R.T. 0.007 min

Lab File: VU063704.D

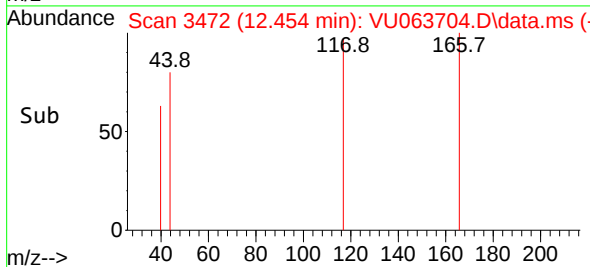
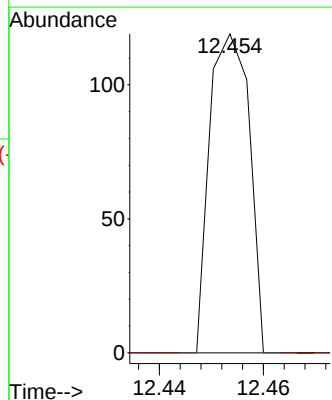
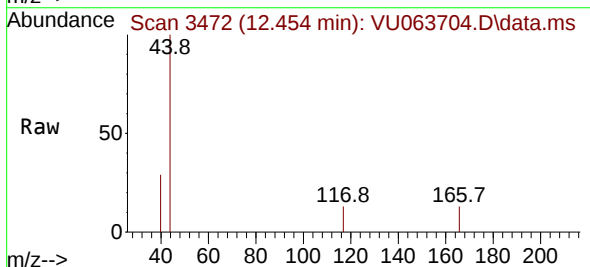
Acq: 11 Nov 2025 14:31

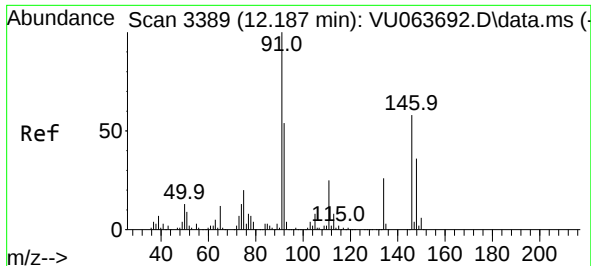
Tgt Ion: 117 Resp: 63

Ion Ratio Lower Upper

117 100

201 0.0 36.6 109.8#





#91

1,2-Dichlorobenzene

Concen: 0.373 ug/l

RT: 12.196 min Scan# 31

Delta R.T. 0.009 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

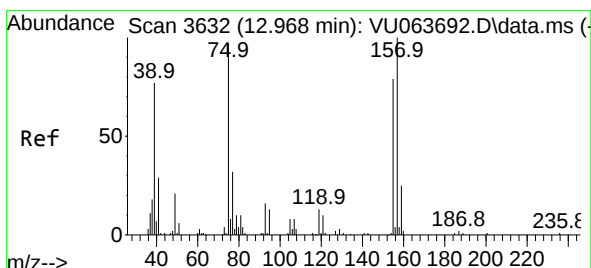
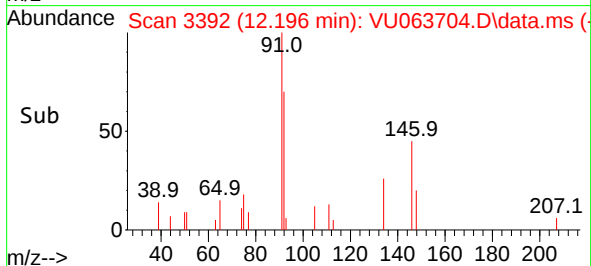
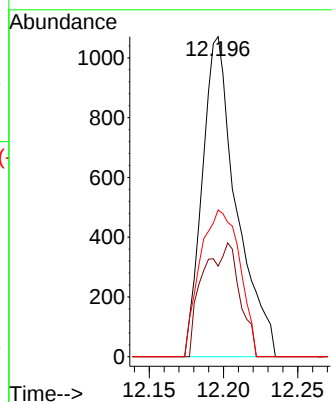
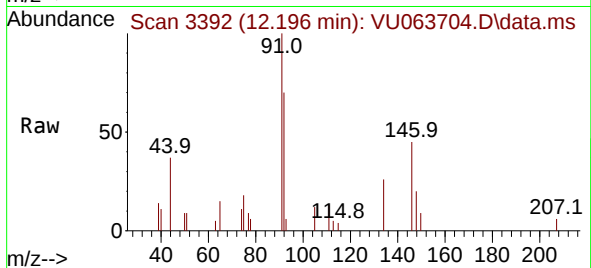
Tgt Ion:146 Resp: 1706

Ion Ratio Lower Upper

146 100

111 38.3 21.8 65.3

148 53.2 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.029 ug/l

RT: 12.978 min Scan# 3635

Delta R.T. 0.010 min

Lab File: VU063704.D

Acq: 11 Nov 2025 14:31

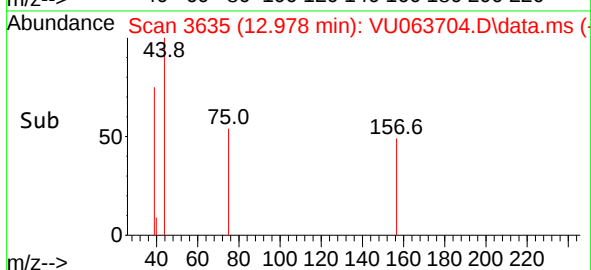
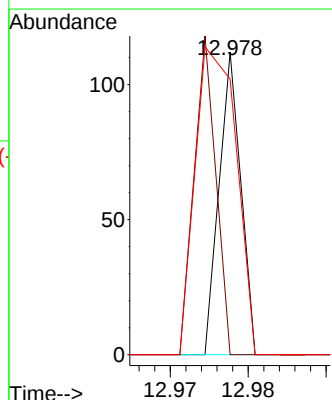
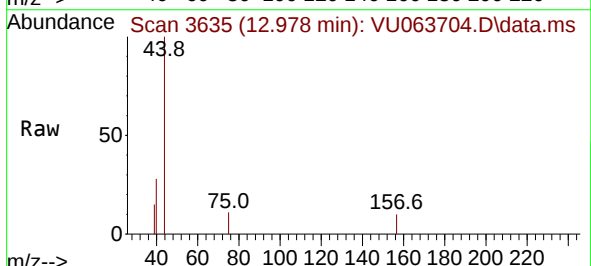
Tgt Ion: 75 Resp: 22

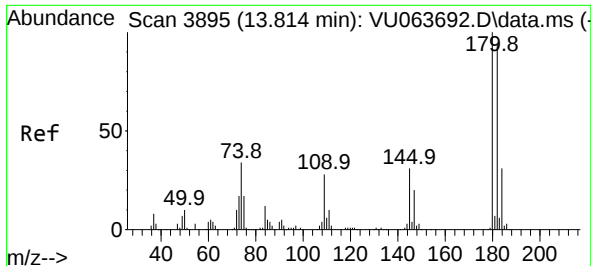
Ion Ratio Lower Upper

75 100

155 104.5 40.5 121.4

157 190.9 50.4 151.3#

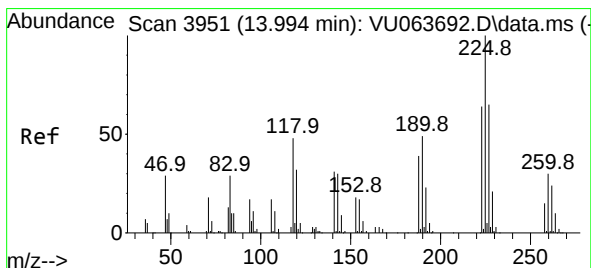
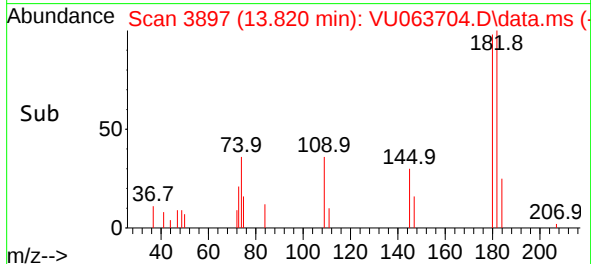
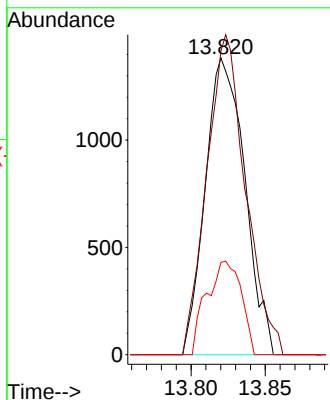
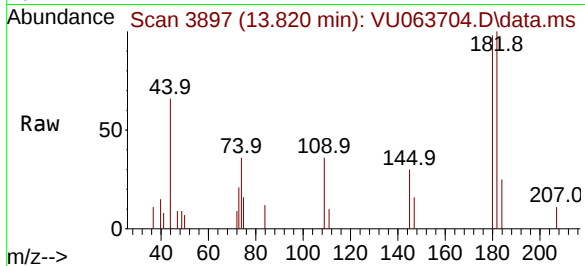




#93
1,2,4-Trichlorobenzene
Concen: 0.877 ug/l
RT: 13.820 min Scan# 3897
Delta R.T. 0.006 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

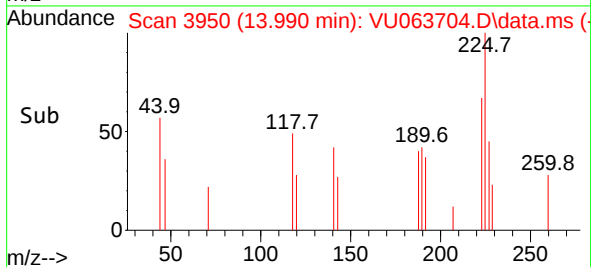
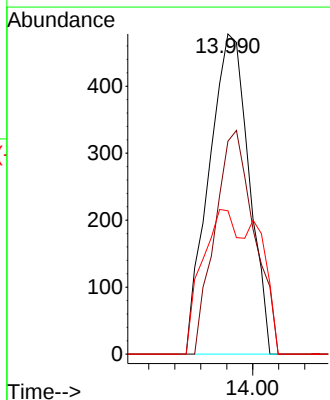
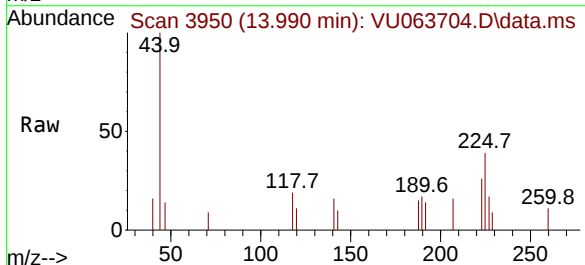
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

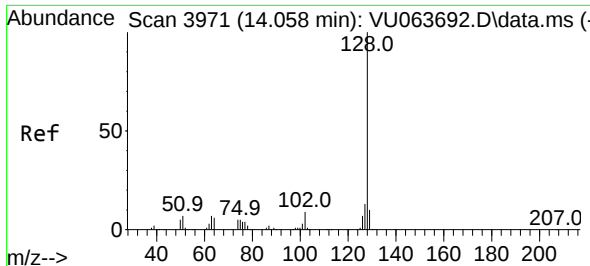
Tgt Ion:180	Resp:	2557
Ion Ratio	Lower	Upper
180	100	
182	105.6	47.6 142.9
145	27.6	15.9 47.6



#94
Hexachlorobutadiene
Concen: 0.347 ug/l
RT: 13.990 min Scan# 3950
Delta R.T. -0.004 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:225	Resp:	510
Ion Ratio	Lower	Upper
225	100	
223	68.8	31.6 94.8
227	63.9	32.4 97.0

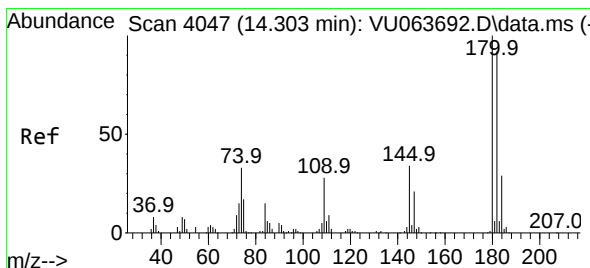
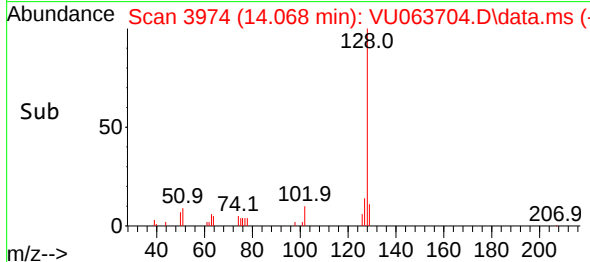
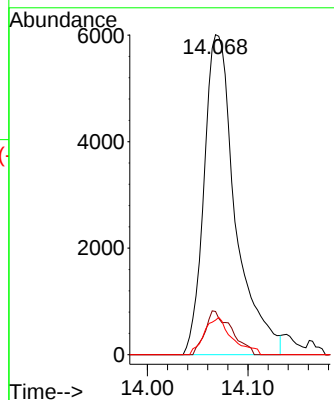
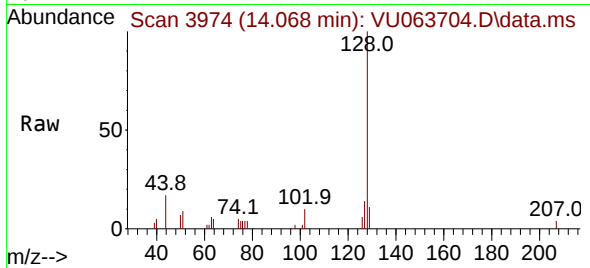




#95
Naphthalene
Concen: 1.648 ug/l
RT: 14.068 min Scan# 3971
Delta R.T. 0.010 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:128	Resp:	13018
Ion Ratio	Lower	Upper
128	100	
127	11.5	9.9 14.9
129	10.3	8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 0.989 ug/l
RT: 14.306 min Scan# 4048
Delta R.T. 0.003 min
Lab File: VU063704.D
Acq: 11 Nov 2025 14:31

Tgt Ion:180	Resp:	2681
Ion Ratio	Lower	Upper
180	100	
182	102.6	47.3 142.0
145	26.3	16.6 49.7

