

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063710.D
 Acq On : 12 Nov 2025 10:22
 Operator : MD/SY
 Sample : VU1112WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBL01

Quant Time: Nov 14 04:41:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:41:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.345	168	181067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.222	114	282529	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	263432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	141364	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	150700	56.341	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.680%	
35) Dibromofluoromethane	5.258	113	119795	60.538	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 121.080%	
50) Toluene-d8	7.872	98	376370	52.943	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.880%	
62) 4-Bromofluorobenzene	10.608	95	171146	58.198	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.400%	

Target Compounds			Qvalue			
3) Chloromethane	1.509	50	230	Below Cal	#	42
4) Vinyl Chloride	1.596	62	208	0.155	ug/l #	42
5) Bromomethane	1.846	94	209	Below Cal		95
6) Chloroethane	1.969	64	66	0.065	ug/l #	42
10) Methyl Iodide	2.708	142	141	3.041	ug/l #	38
11) Tert butyl alcohol	3.161	59	331	0.530	ug/l #	73
13) Acrolein	2.473	56	44	Below Cal	#	1
14) Allyl chloride	2.904	41	171	0.065	ug/l #	78
16) Acetone	2.618	43	794	Below Cal	#	43
17) Carbon Disulfide	2.766	76	510	0.171	ug/l #	76
18) Methyl Acetate	2.981	43	175	1.601	ug/l #	49
20) Methylene Chloride	3.017	84	1211	0.150	ug/l	87
21) trans-1,2-Dichloroethene	3.332	96	68	0.047	ug/l #	51
23) Vinyl Acetate	3.760	43	21	0.005	ug/l #	71
25) 2-Butanone	4.756	43	46	0.025	ug/l #	47
27) cis-1,2-Dichloroethene	4.657	96	41	0.019	ug/l #	1
29) Tetrahydrofuran	4.946	42	67	0.063	ug/l #	29
31) Cyclohexane	5.341	56	3787	0.026	ug/l #	30
36) 1,1-Dichloropropene	5.341	75	14028	6.965	ug/l #	52
37) Ethyl Acetate	4.756	43	46	0.016	ug/l #	69
38) Carbon Tetrachloride	5.345	117	18485	8.492	ug/l #	15
40) Benzene	5.753	78	138	0.021	ug/l #	52
41) Methacrylonitrile	5.184	41	20	0.013	ug/l #	19
42) 1,2-Dichloroethane	5.769	62	116	0.045	ug/l #	75
43) Isopropyl Acetate	5.833	43	22	0.005	ug/l #	60
44) Trichloroethene	6.525	130	148	0.081	ug/l	1
45) 1,2-Dichloropropane	6.486	63	89	0.050	ug/l #	44
46) Dibromomethane	6.898	93	22	0.017	ug/l #	5
48) Methyl methacrylate	6.875	41	44	0.021	ug/l #	26
51) 4-Methyl-2-Pentanone	7.779	43	1150	0.360	ug/l #	62
52) Toluene	7.943	92	266	0.063	ug/l #	58
53) t-1,3-Dichloropropene	8.190	75	41	0.018	ug/l #	44
54) cis-1,3-Dichloropropene	7.592	75	21	0.008	ug/l #	34
56) Ethyl methacrylate	8.361	69	20	0.007	ug/l #	1
59) 2-Hexanone	8.701	43	952	0.400	ug/l #	42
64) Tetrachloroethene	8.525	164	21	0.012	ug/l #	14

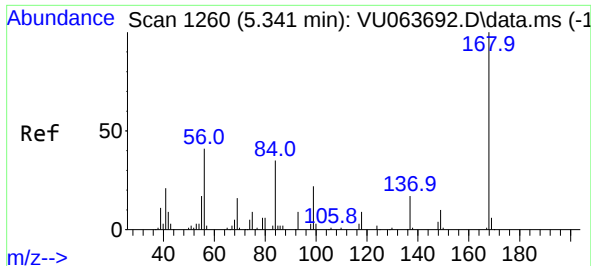
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063710.D
 Acq On : 12 Nov 2025 10:22
 Operator : MD/SY
 Sample : VU1112WBL01
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Instrument :
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Quant Time: Nov 14 04:41:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) Chlorobenzene	9.431	112	653	0.127	ug/l #	42
67) Ethyl Benzene	9.553	91	824	0.096	ug/l	97
68) m/p-Xylenes	9.689	106	553	0.175	ug/l	93
69) o-Xylene	10.084	106	127	0.039	ug/l #	30
70) Styrene	10.126	104	687	0.131	ug/l #	44
71) Bromoform	10.264	173	67	0.048	ug/l #	29
73) Isopropylbenzene	10.457	105	264	0.030	ug/l #	49
74) N-amyl acetate	10.322	43	185	0.060	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	10.766	83	46	0.013	ug/l #	26
76) 1,2,3-Trichloropropane	10.608	75	93136	26.144	ug/l #	100
77) Bromobenzene	10.766	156	233	0.104	ug/l	57
78) n-propylbenzene	10.885	91	1413	0.139	ug/l	91
79) 2-Chlorotoluene	11.084	91	1498	0.227	ug/l	83
80) 1,3,5-Trimethylbenzene	11.074	105	658	0.088	ug/l #	58
81) trans-1,4-Dichloro-2-b...	10.608	75	93136	139.278	ug/l #	7
82) 4-Chlorotoluene	11.084	91	1498	0.200	ug/l	90
83) tert-Butylbenzene	11.406	119	397	0.051	ug/l #	73
84) 1,2,4-Trimethylbenzene	11.454	105	951	0.130	ug/l	92
85) sec-Butylbenzene	11.621	105	1331	0.136	ug/l	84
86) p-Isopropyltoluene	11.775	119	1432	0.182	ug/l #	68
87) 1,3-Dichlorobenzene	11.730	146	930	0.222	ug/l	89
88) 1,4-Dichlorobenzene	11.730	146	930	0.212	ug/l	88
89) n-Butylbenzene	12.190	91	3238	0.448	ug/l	91
91) 1,2-Dichlorobenzene	12.193	146	900	0.215	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.984	75	20	0.029	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.820	180	2245	0.840	ug/l	87
94) Hexachlorobutadiene	13.997	225	336	0.250	ug/l #	54
95) Naphthalene	14.071	128	10430	1.441	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.315	180	2249	0.905	ug/l	94

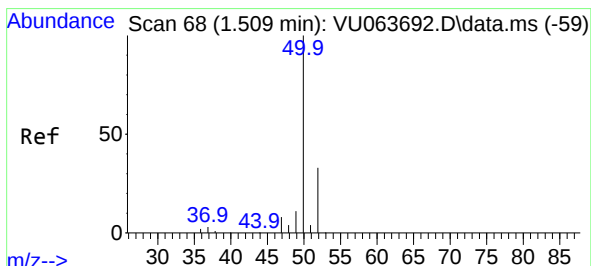
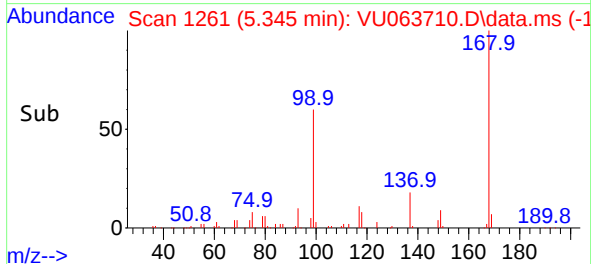
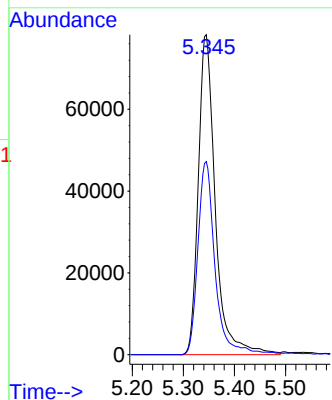
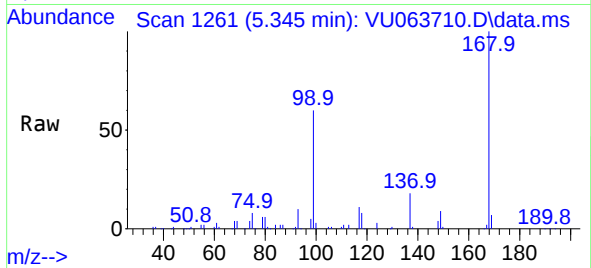
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.345 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

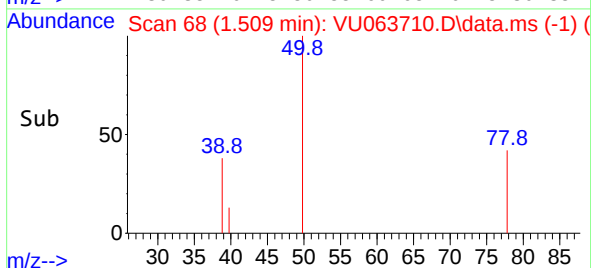
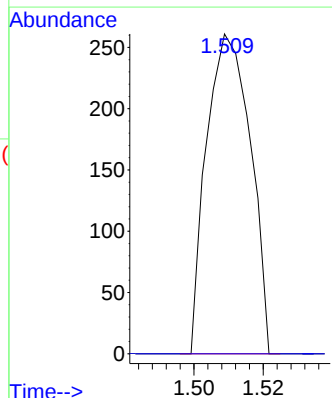
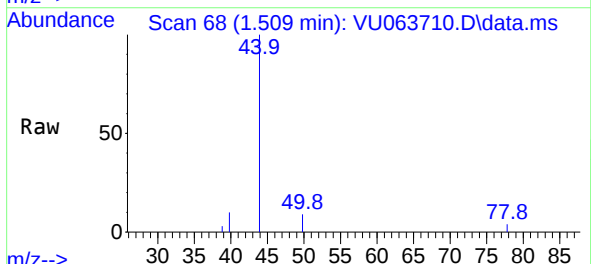
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

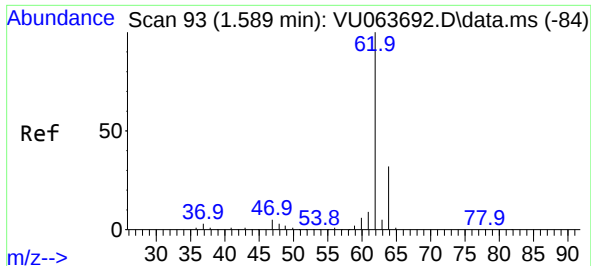
Tgt Ion:168 Resp: 181067
Ion Ratio Lower Upper
168 100
99 60.4 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

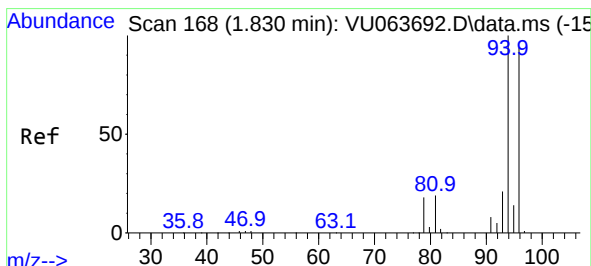
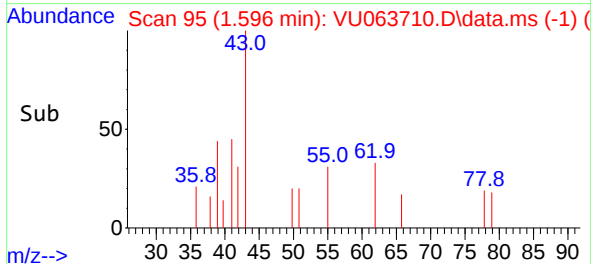
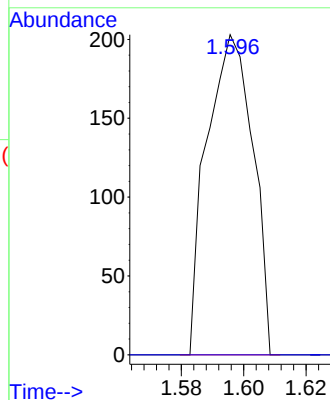
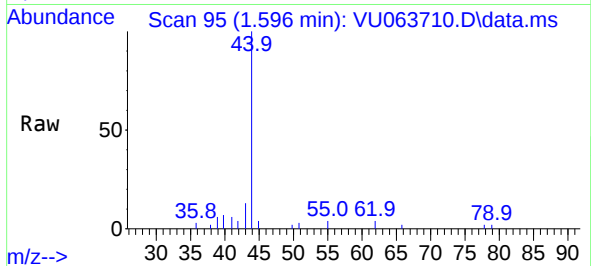




#4
 Vinyl Chloride
 Concen: 0.155 ug/l
 RT: 1.596 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VU063710.D
 Acq: 12 Nov 2025 10:22

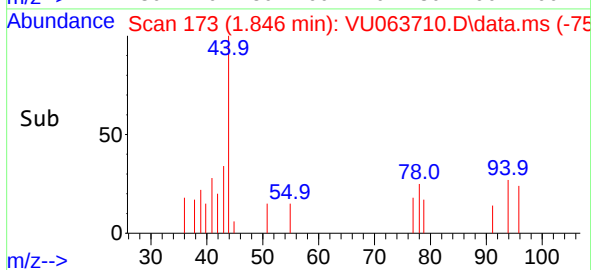
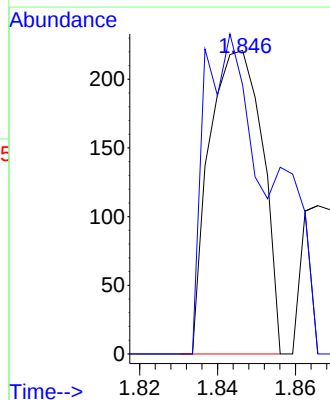
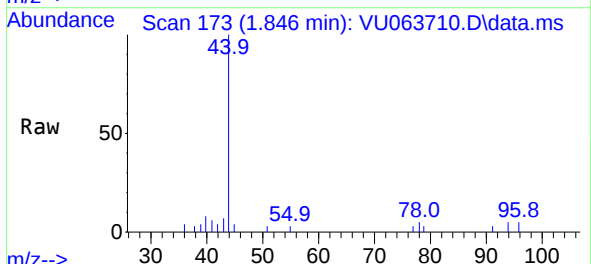
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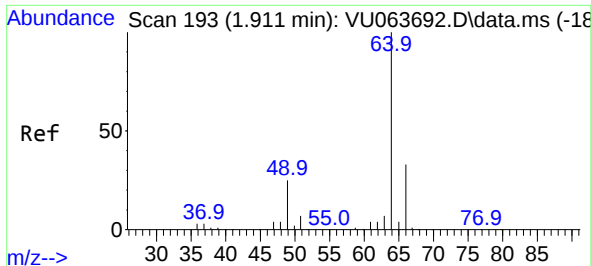
Tgt Ion: 62 Resp: 208
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.9 38.9#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.846 min Scan# 173
 Delta R.T. 0.016 min
 Lab File: VU063710.D
 Acq: 12 Nov 2025 10:22

Tgt Ion: 94 Resp: 209
 Ion Ratio Lower Upper
 94 100
 96 88.7 74.8 112.2

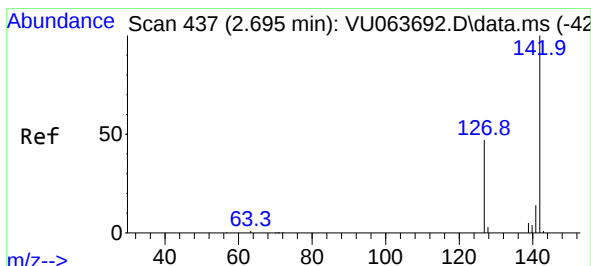
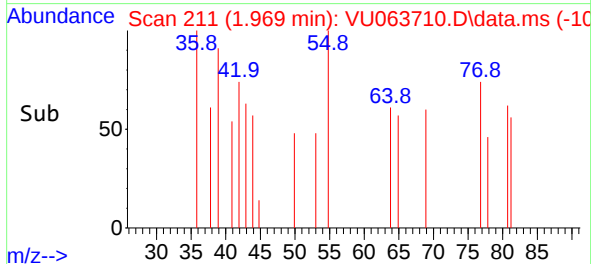
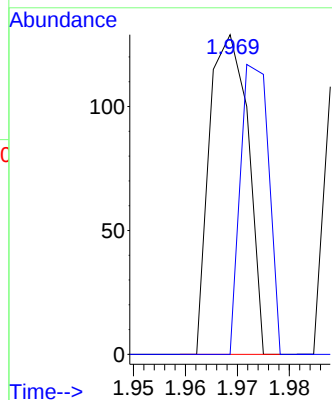
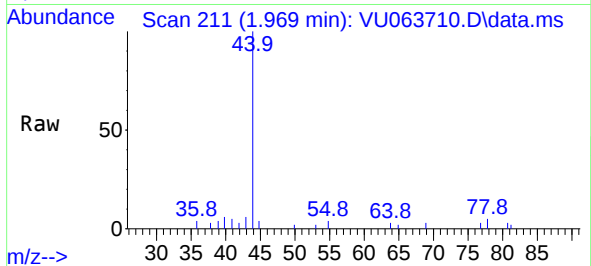




#6
Chloroethane
Concen: 0.065 ug/l
RT: 1.969 min Scan# 211
Delta R.T. 0.058 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

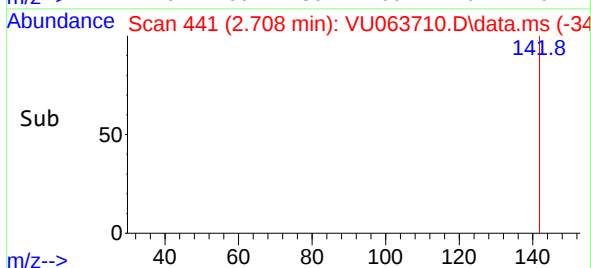
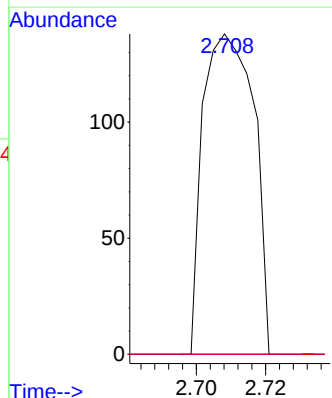
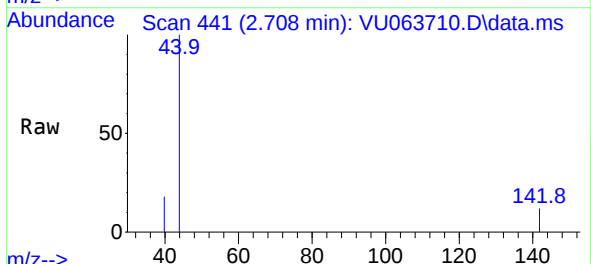
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ClientSampleId :
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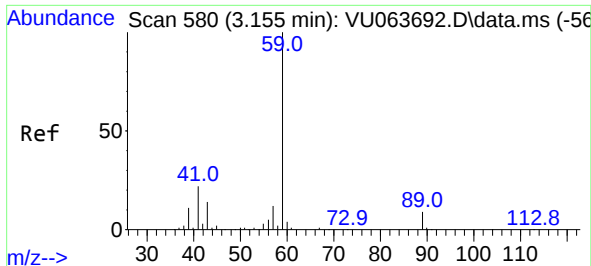
Tgt Ion: 64 Resp: 66
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#10
Methyl Iodide
Concen: 3.041 ug/l
RT: 2.708 min Scan# 441
Delta R.T. 0.013 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

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

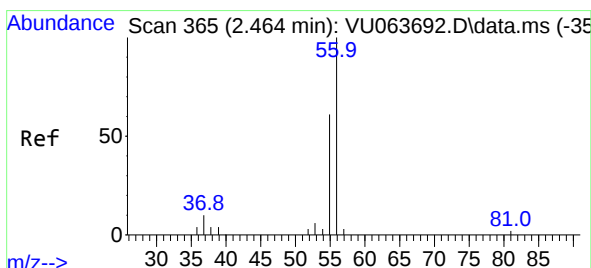
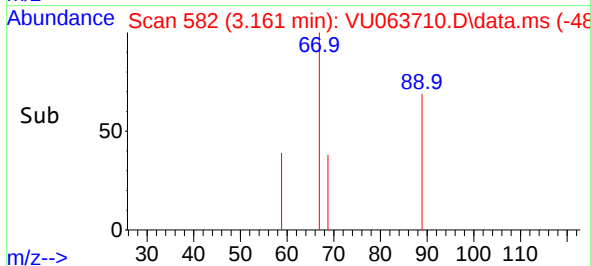
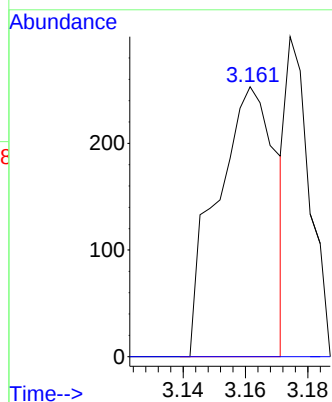
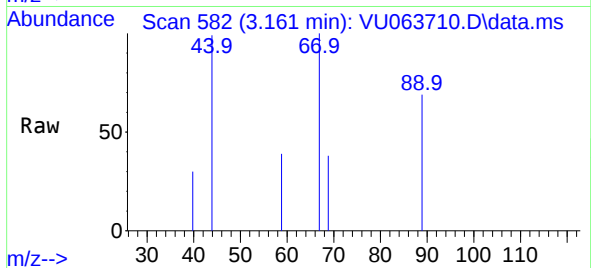




#11
Tert butyl alcohol
Concen: 0.530 ug/l
RT: 3.161 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

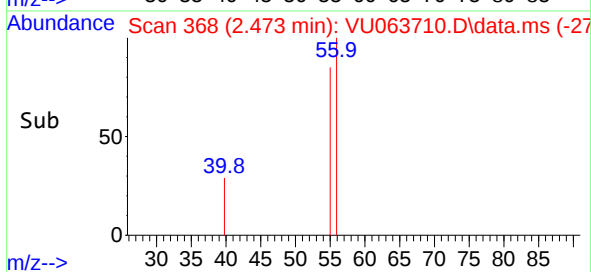
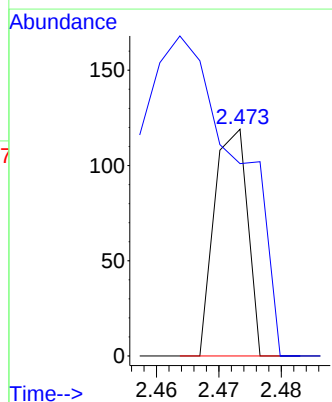
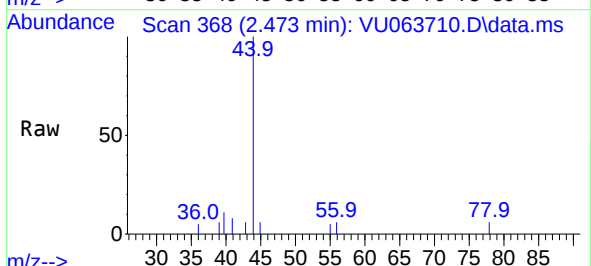
Instrument :
MSVOA_U
ClientSampleId :
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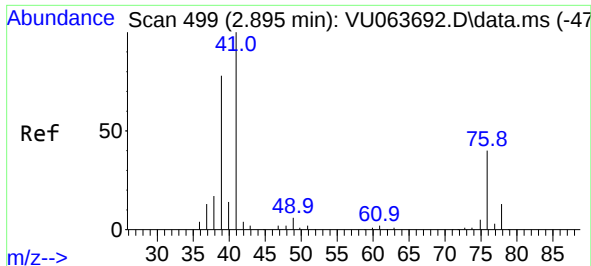
Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.473 min Scan# 368
Delta R.T. 0.009 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 397.7 47.1 70.7#

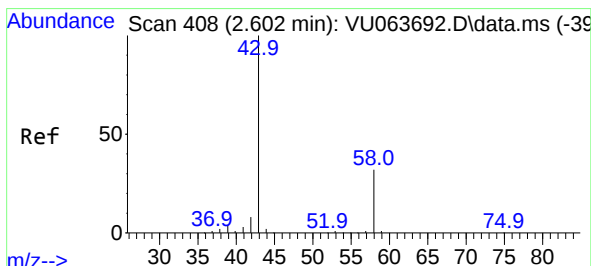
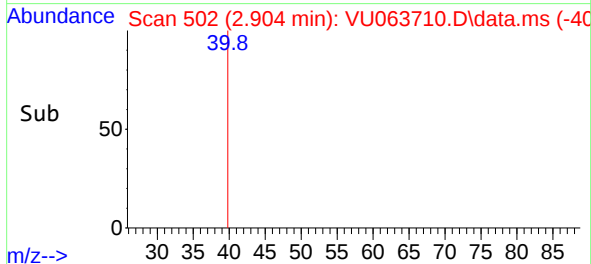
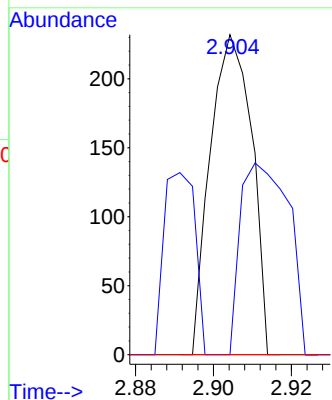
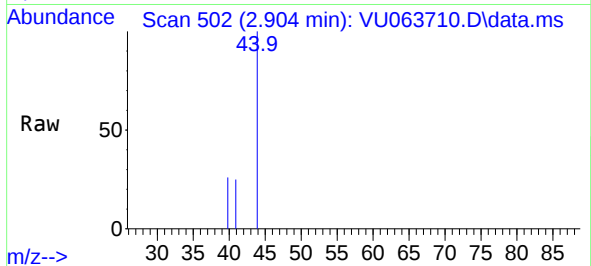




#14
 Allyl chloride
 Concen: 0.065 ug/l
 RT: 2.904 min Scan# 50
 Delta R.T. 0.010 min
 Lab File: VU063710.D
 Acq: 12 Nov 2025 10:22

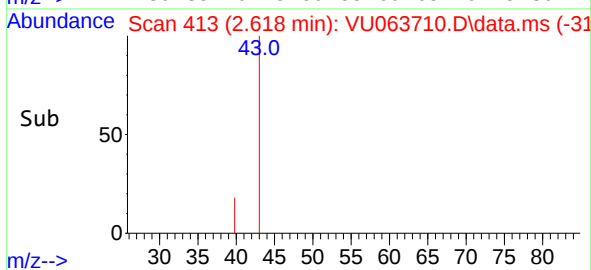
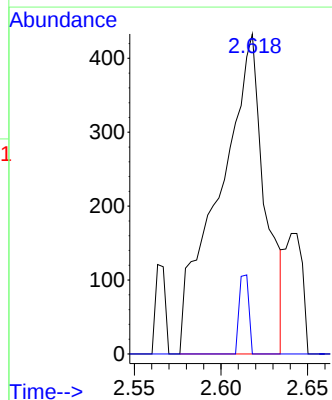
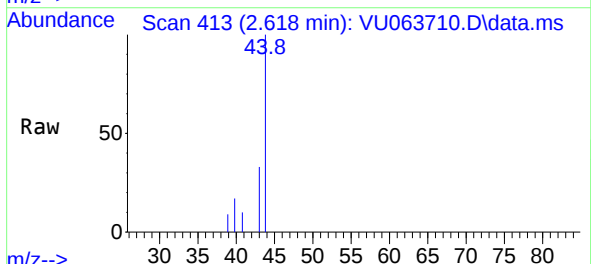
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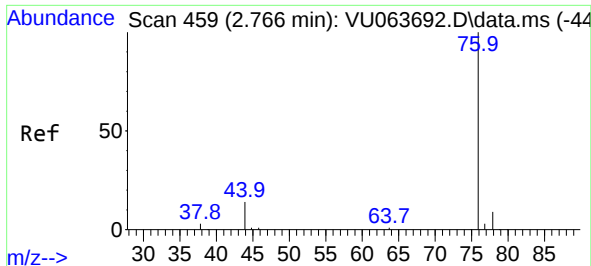
Tgt Ion: 41	Resp:	171
Ion	Ratio	Lower Upper
41	100	
39	69.6	53.1 79.7
76	0.0	26.4 39.6#



#16
 Acetone
 Concen: Below Cal
 RT: 2.618 min Scan# 413
 Delta R.T. 0.016 min
 Lab File: VU063710.D
 Acq: 12 Nov 2025 10:22

Tgt Ion: 43	Resp:	794
Ion	Ratio	Lower Upper
43	100	
58	0.0	25.4 38.2#

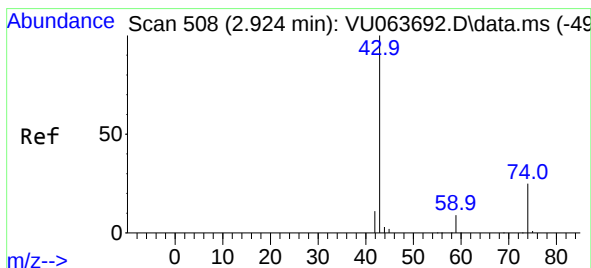
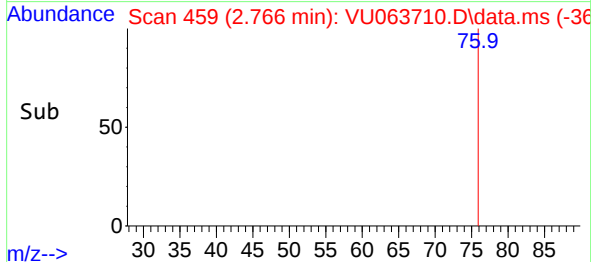
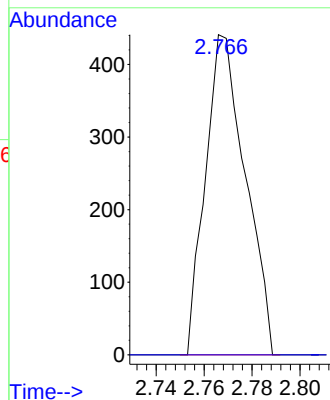
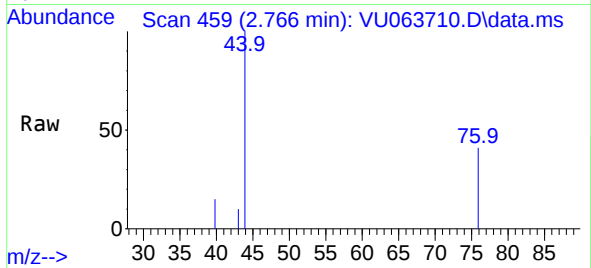




#17
Carbon Disulfide
Concen: 0.171 ug/l
RT: 2.766 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

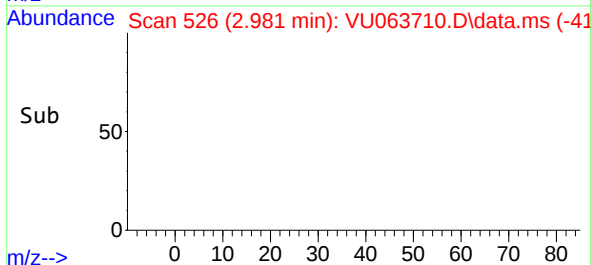
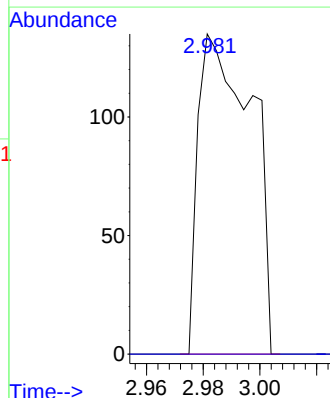
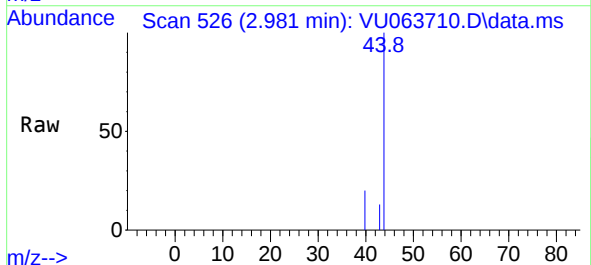
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ClientSampleId :
VU1112WBL01

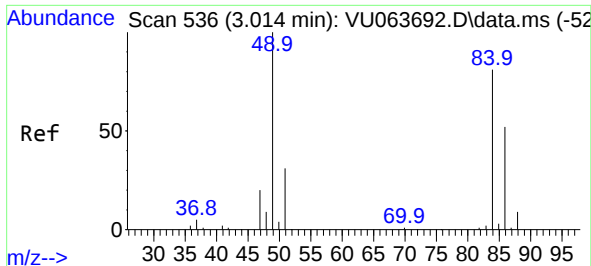
Tgt Ion: 76 Resp: 510
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.601 ug/l
RT: 2.981 min Scan# 526
Delta R.T. 0.057 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#



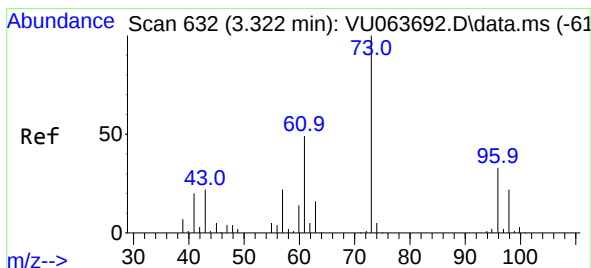
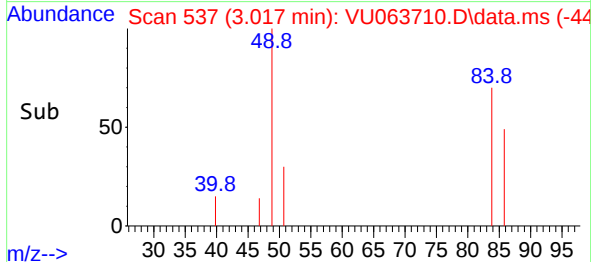
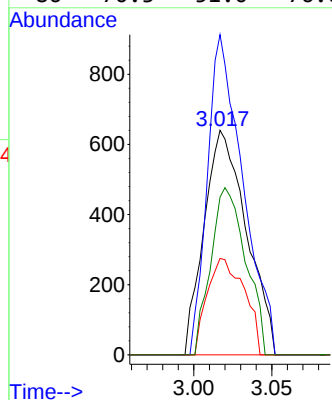
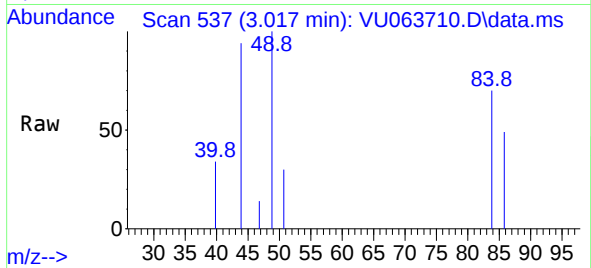


#20
Methylene Chloride
Concen: 0.150 ug/l
RT: 3.017 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

Tgt Ion: 84 Resp: 1211

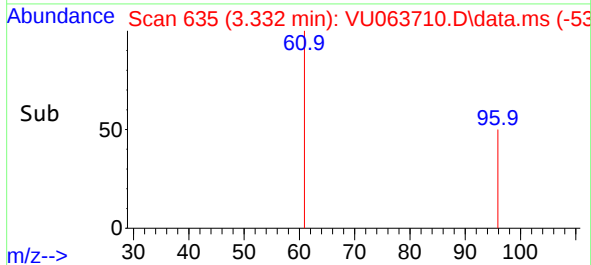
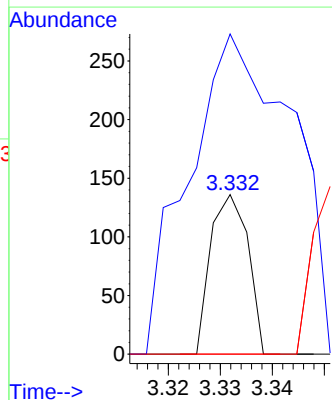
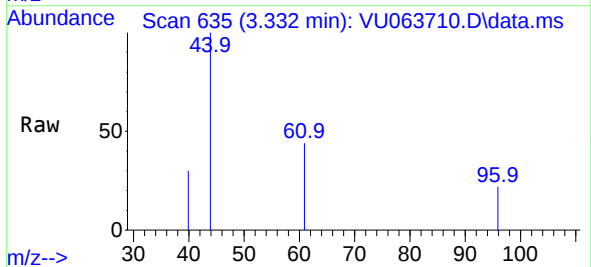
Ion	Ratio	Lower	Upper
84	100		
49	142.7	98.4	147.6
51	43.0	30.1	45.1
86	70.3	51.0	76.6

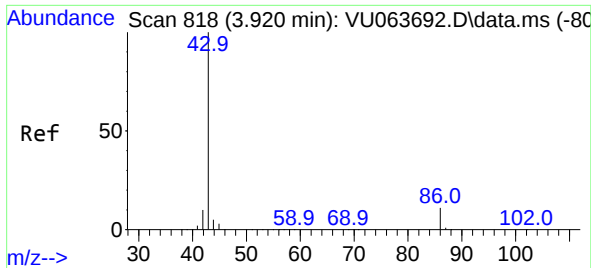


#21
trans-1,2-Dichloroethene
Concen: 0.047 ug/l
RT: 3.332 min Scan# 635
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 96 Resp: 68

Ion	Ratio	Lower	Upper
96	100		
61	104.4	117.5	176.3#
98	0.0	52.7	79.1#

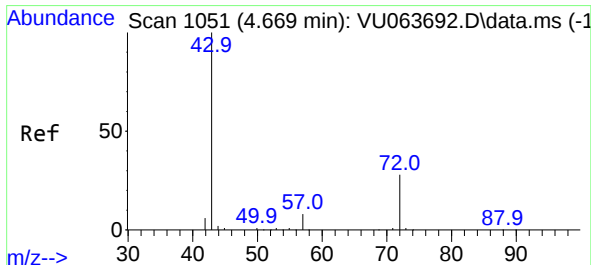
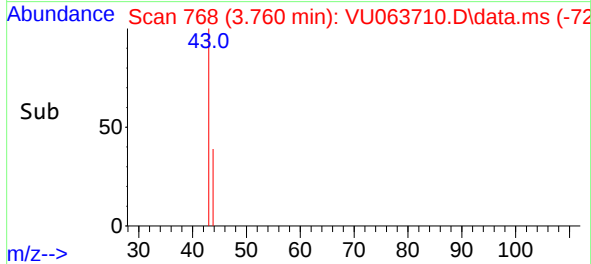
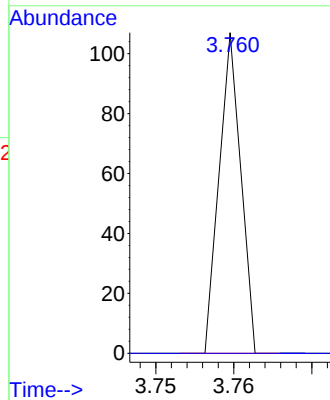
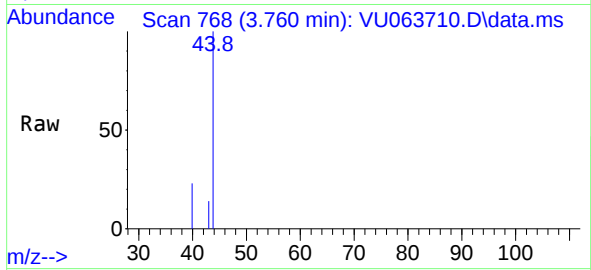




#23
Vinyl Acetate
Concen: 0.005 ug/l
RT: 3.760 min Scan# 70
Delta R.T. -0.161 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

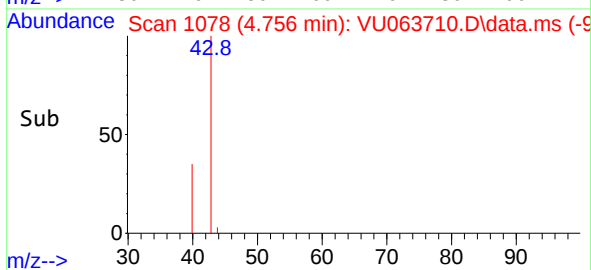
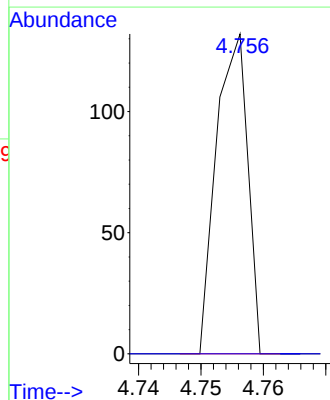
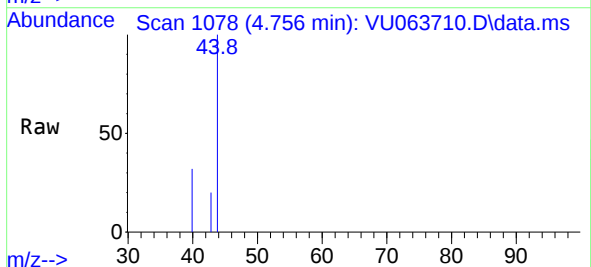
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

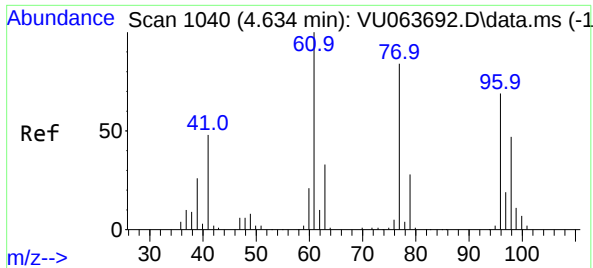
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
86 0.0 8.7 13.1#



#25
2-Butanone
Concen: 0.025 ug/l
RT: 4.756 min Scan# 1078
Delta R.T. 0.087 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#

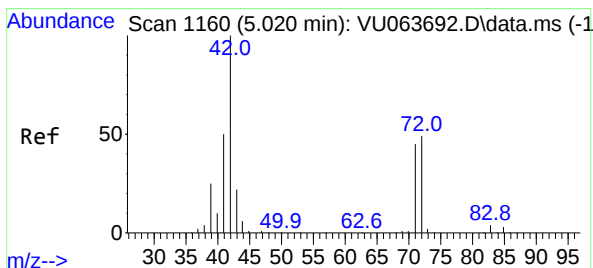
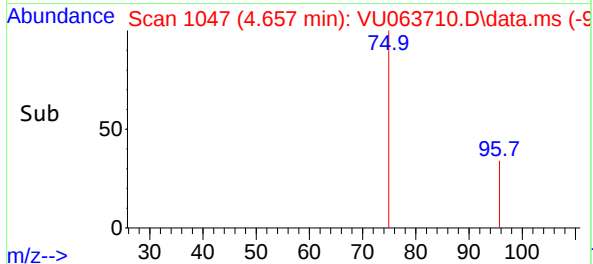
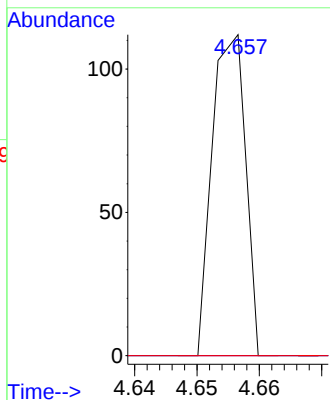
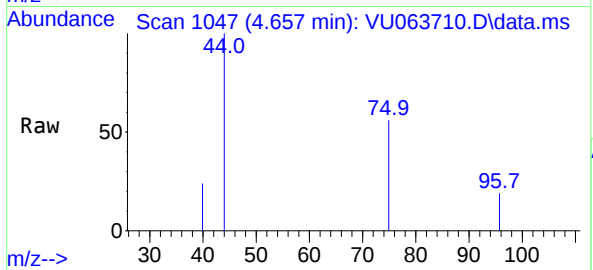




#27
cis-1,2-Dichloroethene
Concen: 0.019 ug/l
RT: 4.657 min Scan# 1137
Delta R.T. 0.022 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

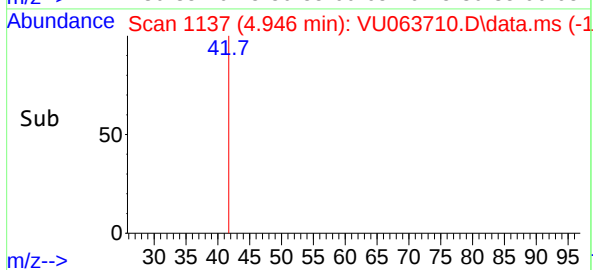
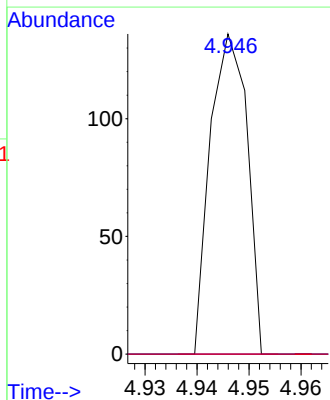
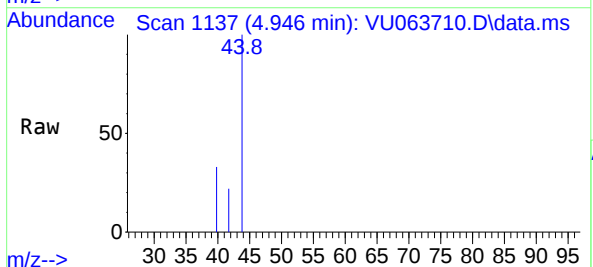
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

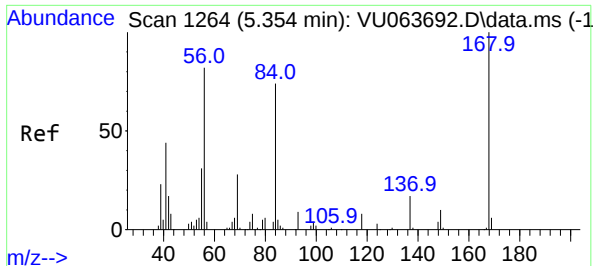
Tgt Ion:	96	Resp:	41
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	295.4
98	0.0	0.0	131.8



#29
Tetrahydrofuran
Concen: 0.063 ug/l
RT: 4.946 min Scan# 1137
Delta R.T. -0.074 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:	42	Resp:	67
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.0	60.0#
71	0.0	37.4	56.0#





#31

Cyclohexane

Concen: 0.026 ug/l

RT: 5.341 min Scan# 11

Delta R.T. -0.013 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

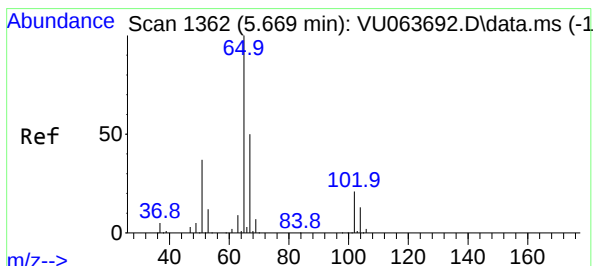
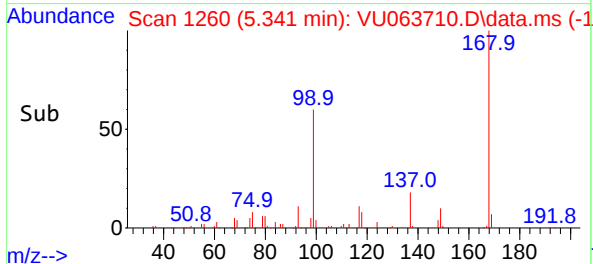
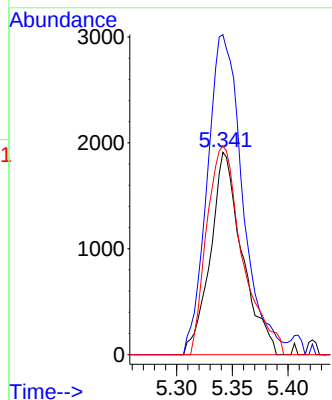
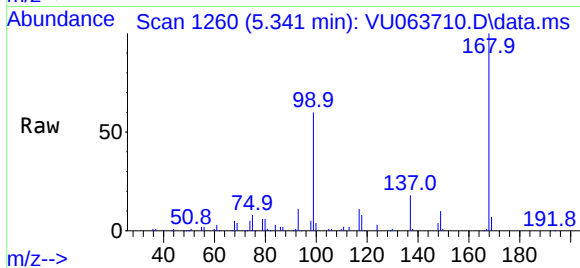
Tgt Ion: 56 Resp: 3787

Ion Ratio Lower Upper

56 100

69 158.1 27.0 40.6#

84 103.1 71.8 107.6



#33

1,2-Dichloroethane-d4

Concen: 56.341 ug/l

RT: 5.673 min Scan# 1363

Delta R.T. 0.003 min

Lab File: VU063710.D

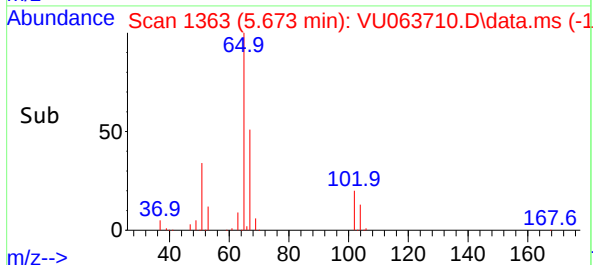
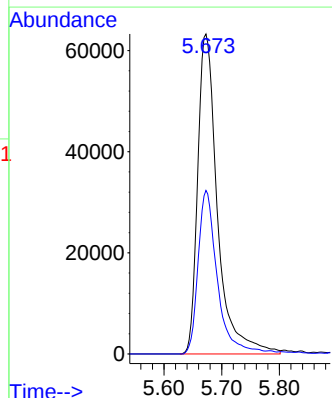
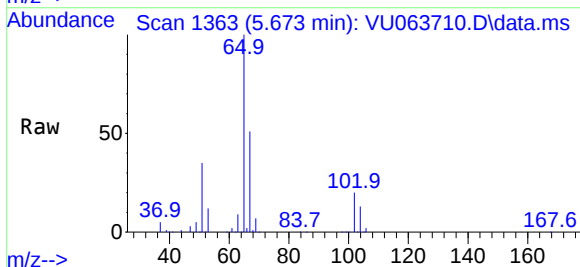
Acq: 12 Nov 2025 10:22

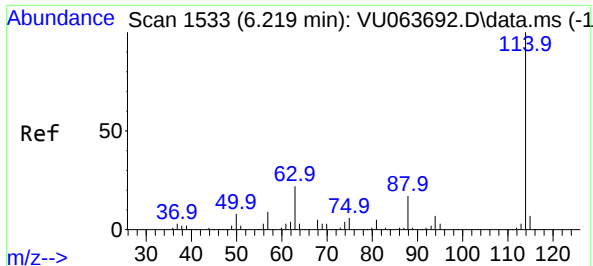
Tgt Ion: 65 Resp: 150700

Ion Ratio Lower Upper

65 100

67 49.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.222 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

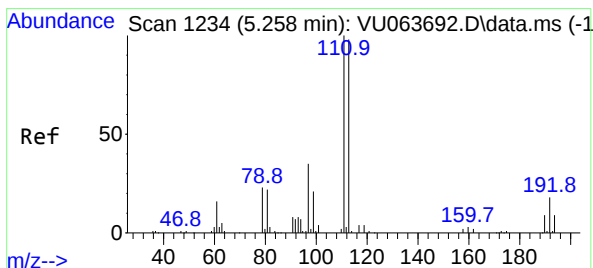
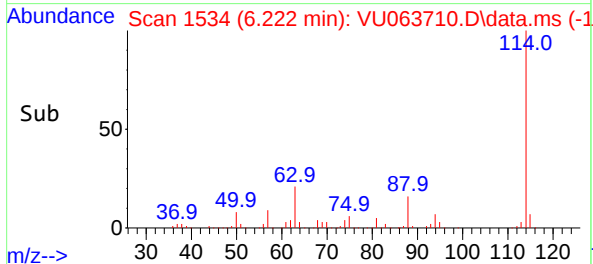
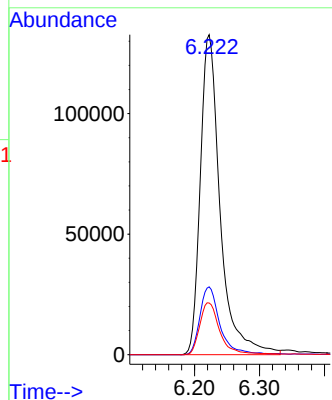
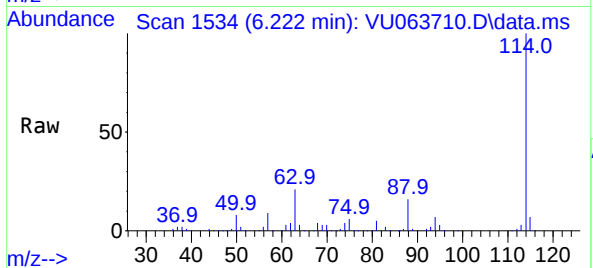
Tgt Ion:114 Resp: 282529

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.2 0.0 33.6



#35

Dibromofluoromethane

Concen: 60.538 ug/l

RT: 5.258 min Scan# 1234

Delta R.T. -0.000 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

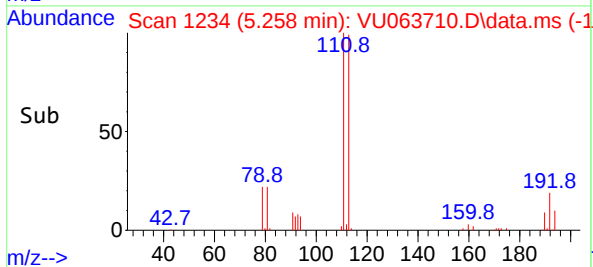
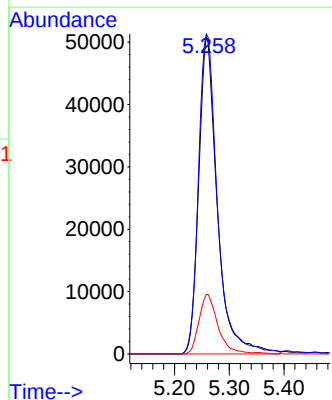
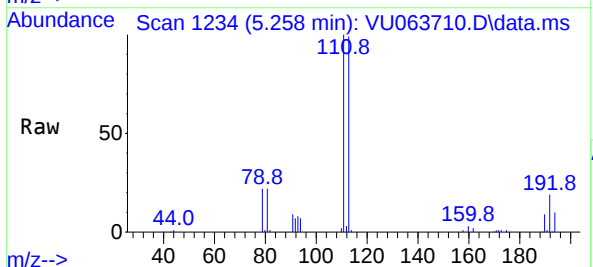
Tgt Ion:113 Resp: 119795

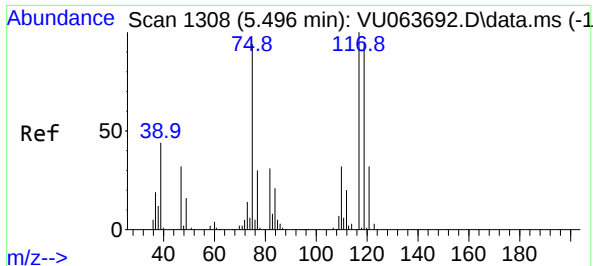
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 19.0 15.4 23.0

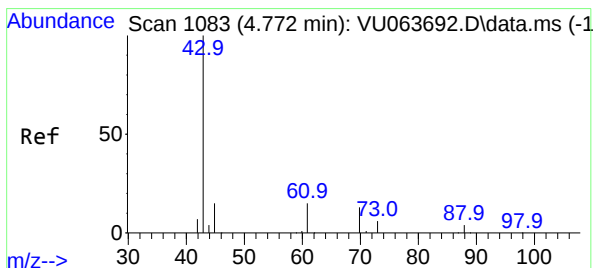
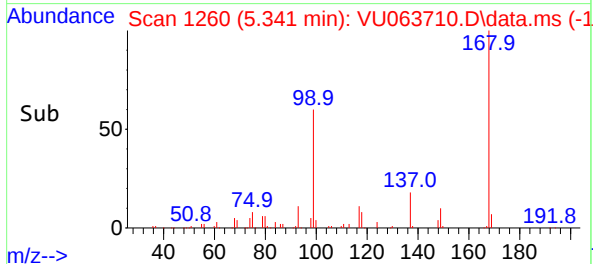
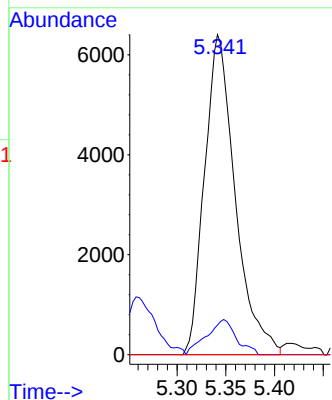
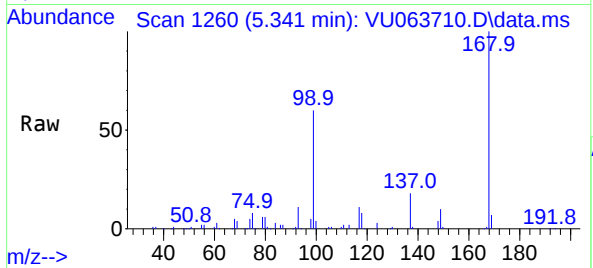




#36
1,1-Dichloropropene
Concen: 6.965 ug/l
RT: 5.341 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

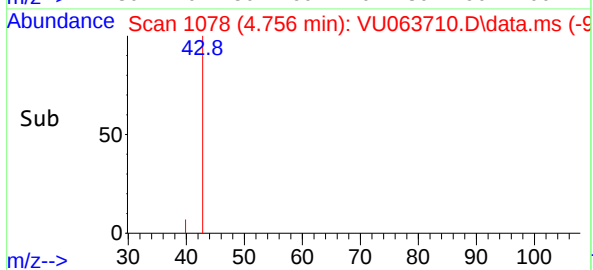
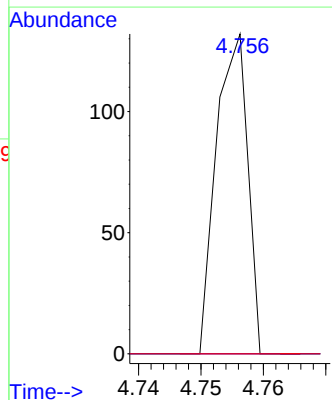
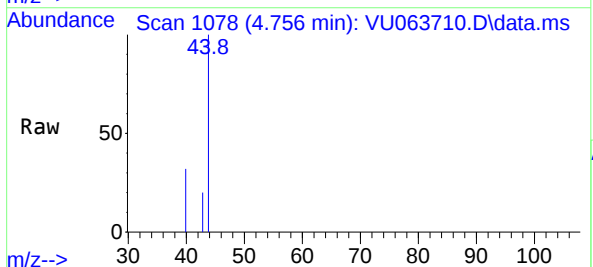
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

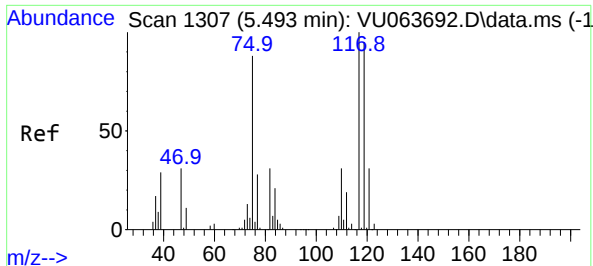
Tgt Ion: 75 Resp: 14028
Ion Ratio Lower Upper
75 100
110 10.6 17.3 51.7#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.016 ug/l
RT: 4.756 min Scan# 1078
Delta R.T. -0.016 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 8.9 13.3#

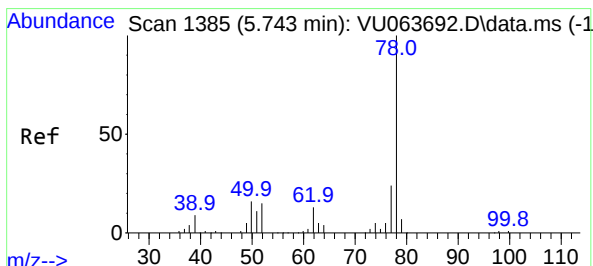
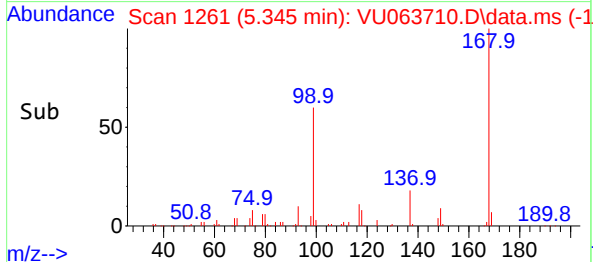
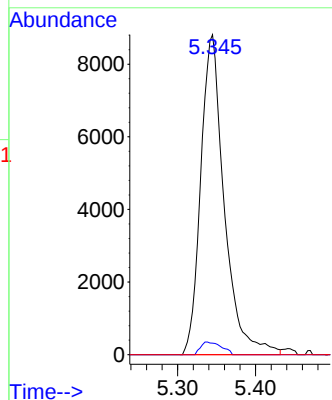
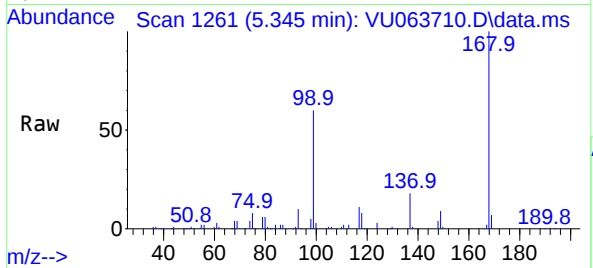




#38
Carbon Tetrachloride
Concen: 8.492 ug/l
RT: 5.345 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

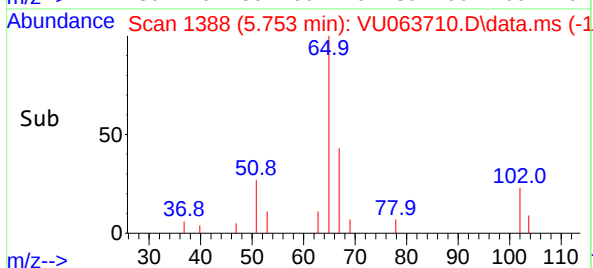
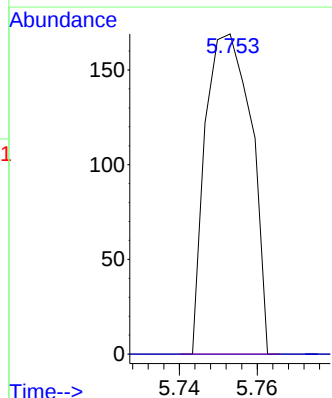
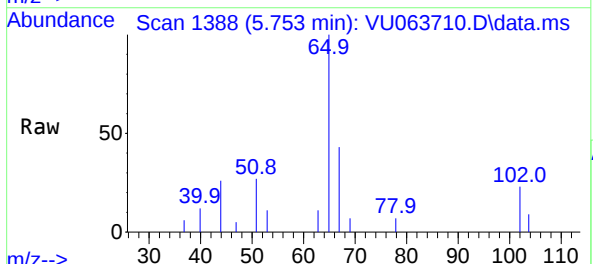
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

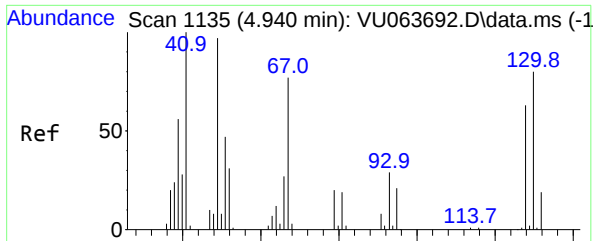
Tgt Ion:117 Resp: 18485
Ion Ratio Lower Upper
117 100
119 3.6 76.1 114.1#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.021 ug/l
RT: 5.753 min Scan# 1388
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 78 Resp: 138
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#

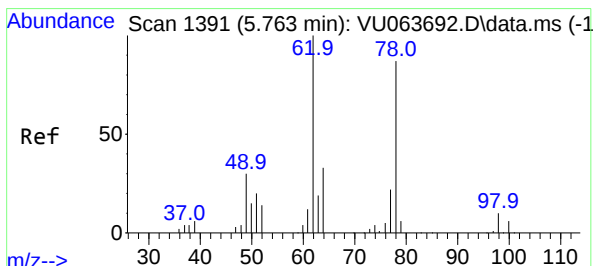
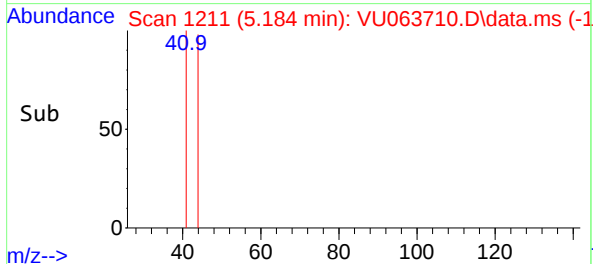
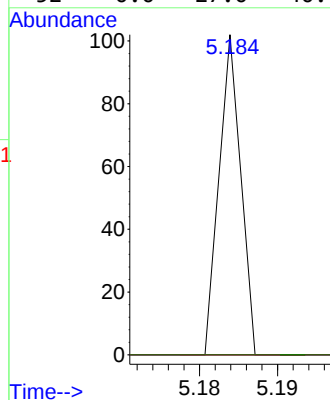
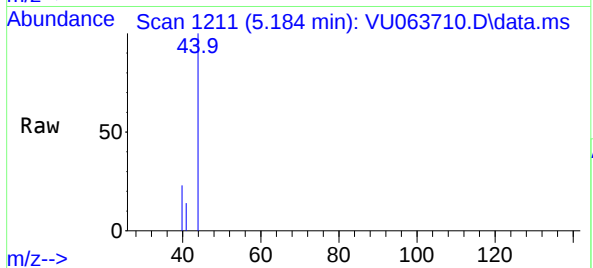




#41
Methacrylonitrile
Concen: 0.013 ug/l
RT: 5.184 min Scan# 1135
Delta R.T. 0.244 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

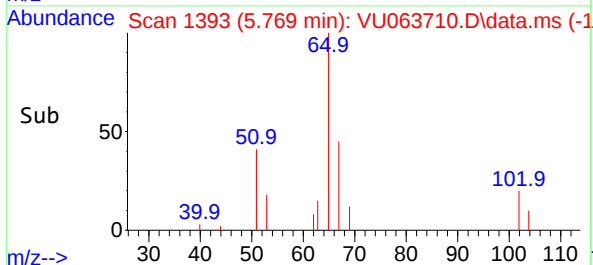
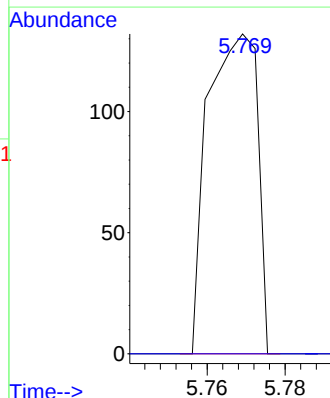
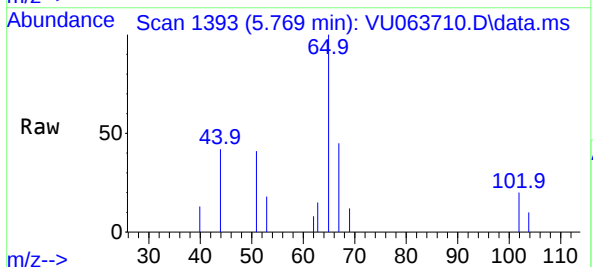
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

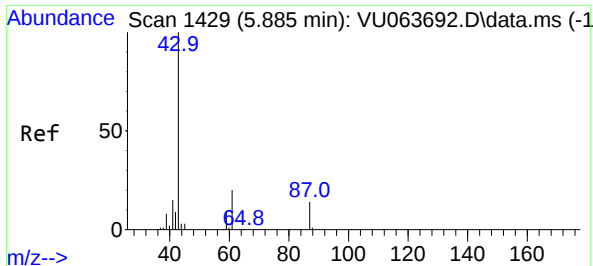
Tgt Ion:	41	Resp:	20
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.7	67.1#
67	0.0	67.4	101.2#
52	0.0	27.0	40.4#



#42
1,2-Dichloroethane
Concen: 0.045 ug/l
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:	62	Resp:	116
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.2

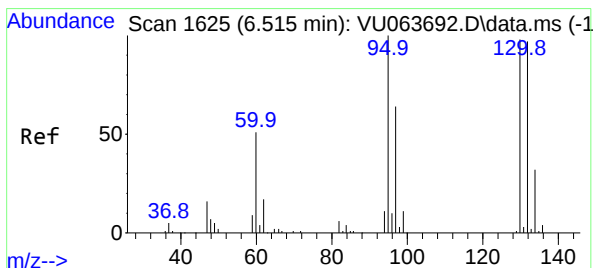
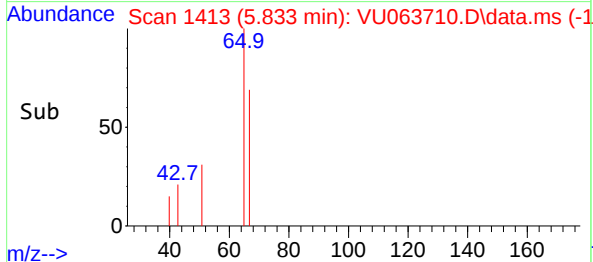
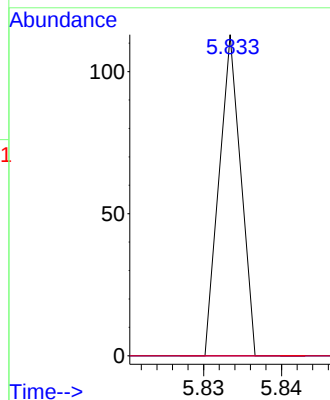
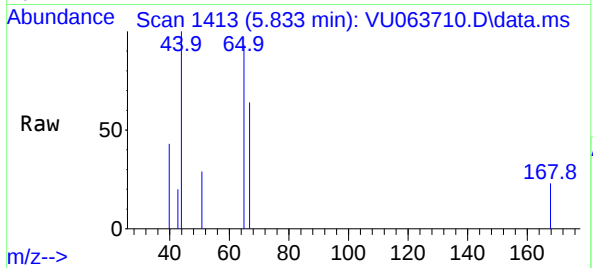




#43
Isopropyl Acetate
Concen: 0.005 ug/l
RT: 5.833 min Scan# 1429
Delta R.T. -0.051 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

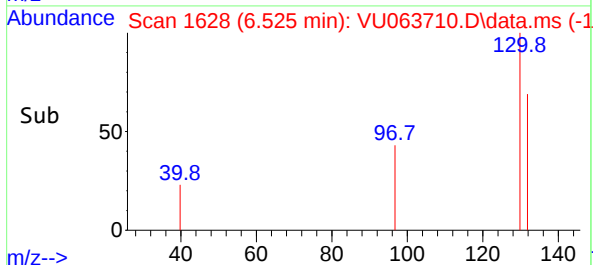
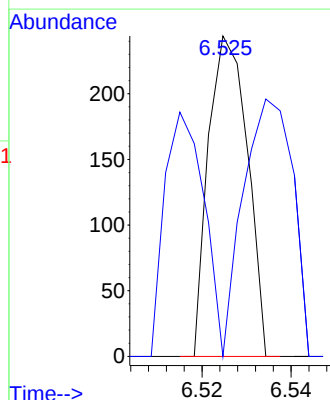
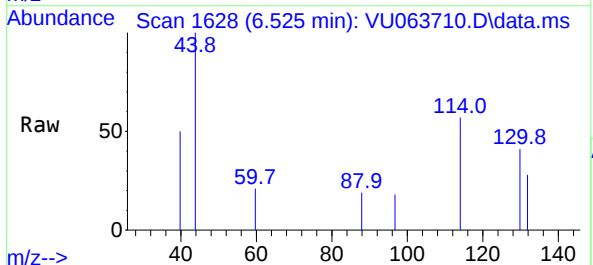
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

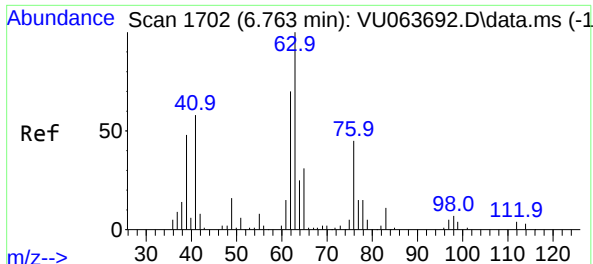
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
61 0.0 15.9 23.9#
87 0.0 11.0 16.6#



#44
Trichloroethene
Concen: 0.081 ug/l
RT: 6.525 min Scan# 1628
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:130 Resp: 148
Ion Ratio Lower Upper
130 100
95 0.0 0.0 203.6





#45

1,2-Dichloropropane

Concen: 0.050 ug/l

RT: 6.486 min Scan# 1

Delta R.T. -0.277 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

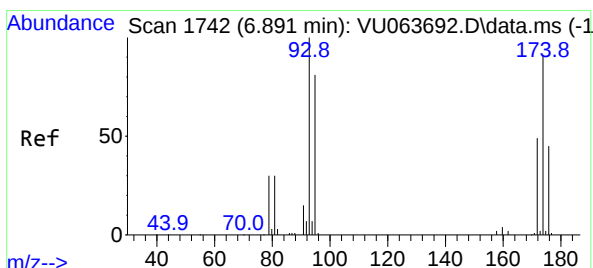
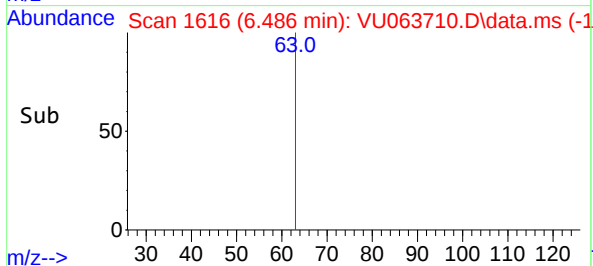
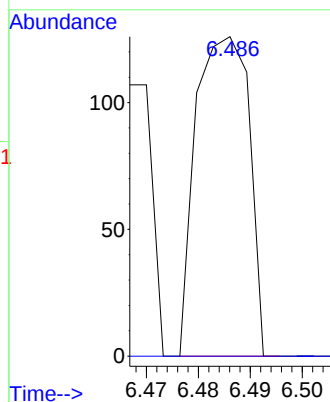
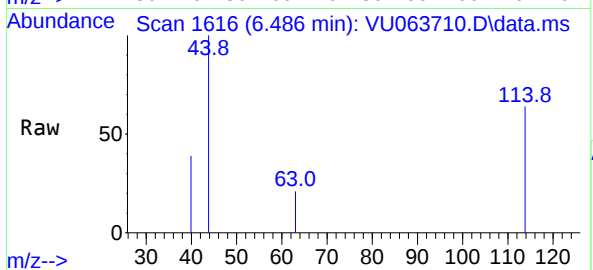
VU1112WBL01

Tgt Ion: 63 Resp: 89

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#46

Dibromomethane

Concen: 0.017 ug/l

RT: 6.898 min Scan# 1744

Delta R.T. 0.006 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

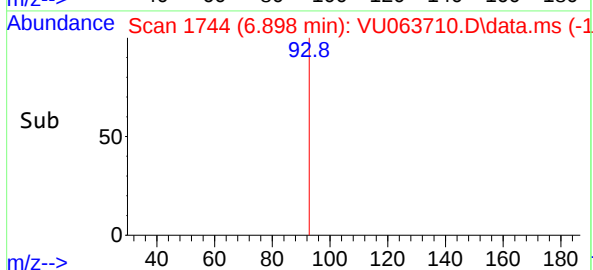
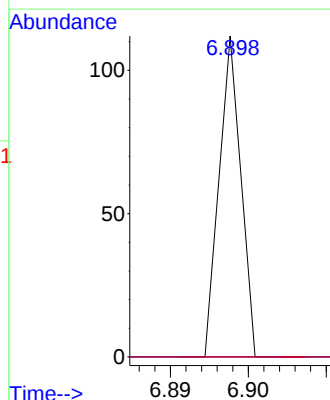
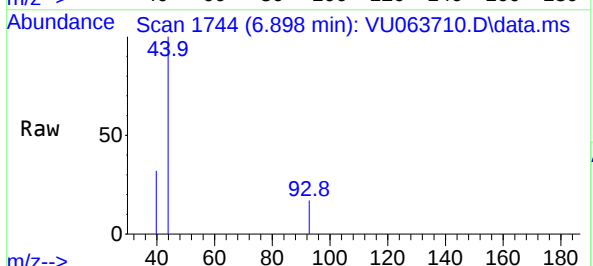
Tgt Ion: 93 Resp: 22

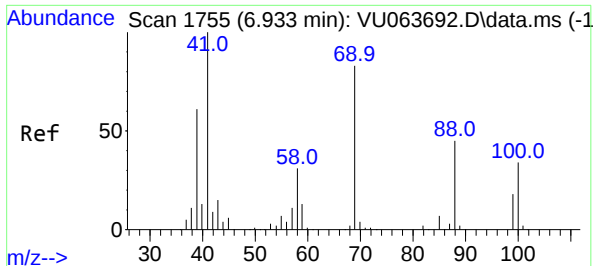
Ion Ratio Lower Upper

93 100

95 0.0 65.9 98.9#

174 0.0 74.9 112.3#





#48

Methyl methacrylate

Concen: 0.021 ug/l

RT: 6.875 min Scan# 1

Delta R.T. -0.058 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

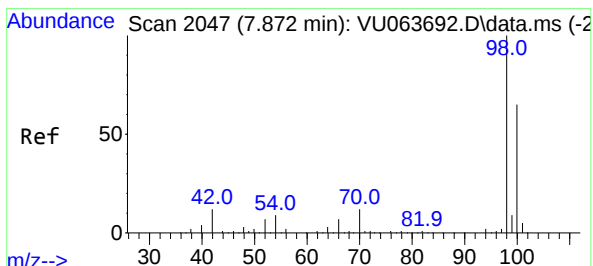
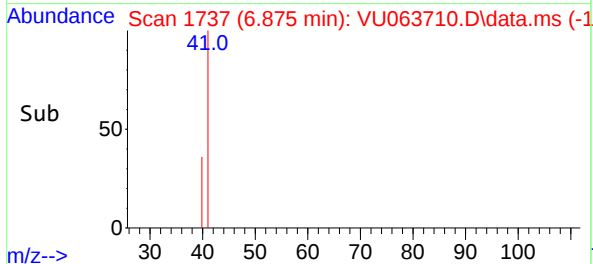
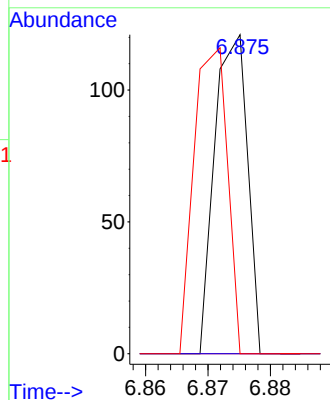
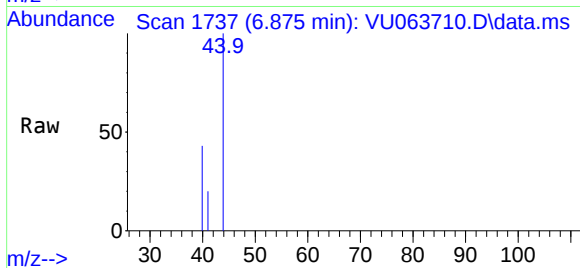
Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

Tgt Ion: 41	Resp: 44
Ion Ratio	Lower Upper
41	100
69	0.0 72.9 109.3#
39	97.7 51.0 76.4#



#50

Toluene-d8

Concen: 52.943 ug/l

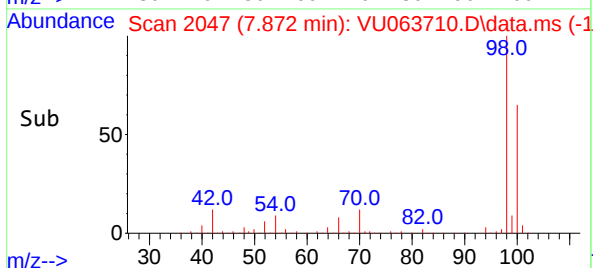
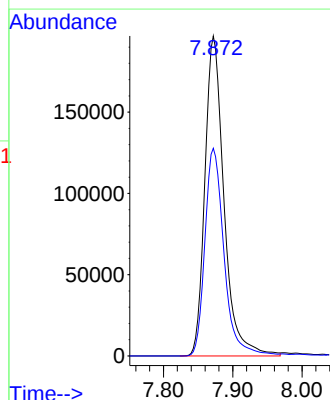
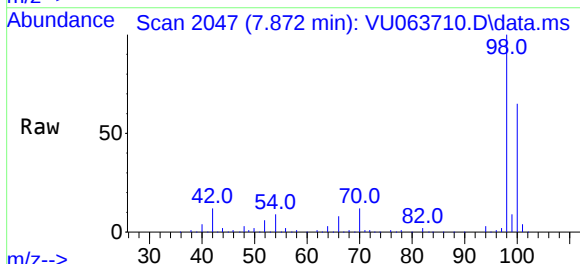
RT: 7.872 min Scan# 2047

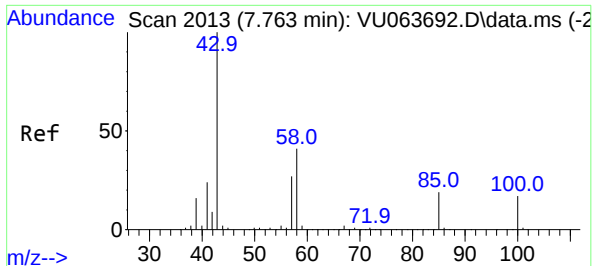
Delta R.T. -0.000 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Tgt Ion: 98	Resp: 376370
Ion Ratio	Lower Upper
98	100
100	65.1 52.5 78.7

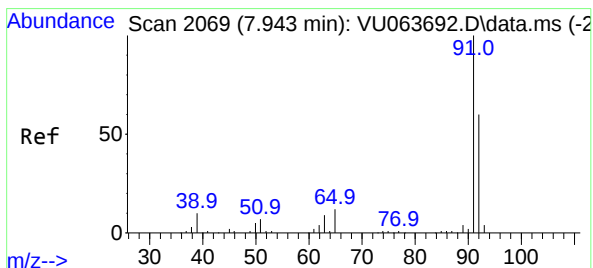
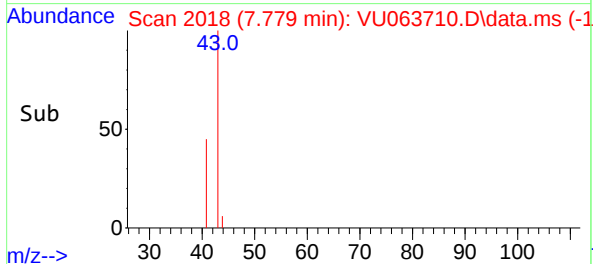
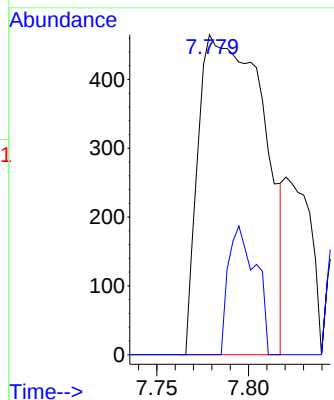
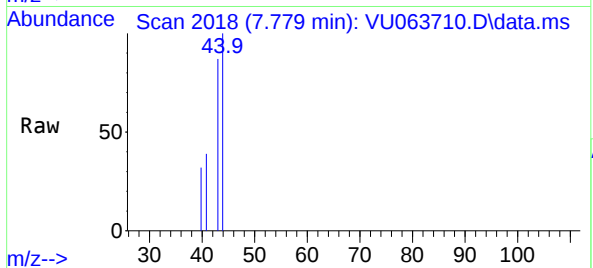




#51
4-Methyl-2-Pentanone
Concen: 0.360 ug/l
RT: 7.779 min Scan# 2013
Delta R.T. 0.016 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

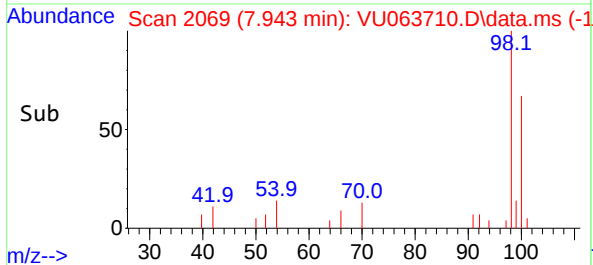
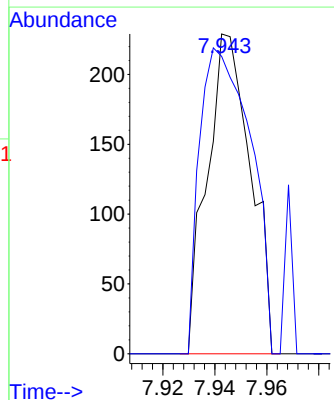
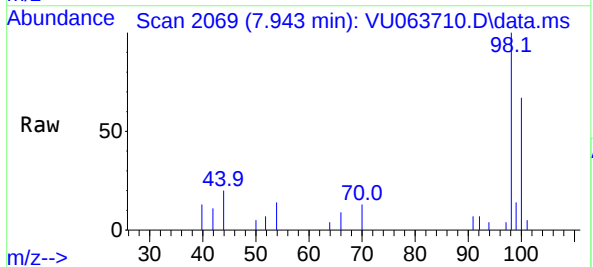
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

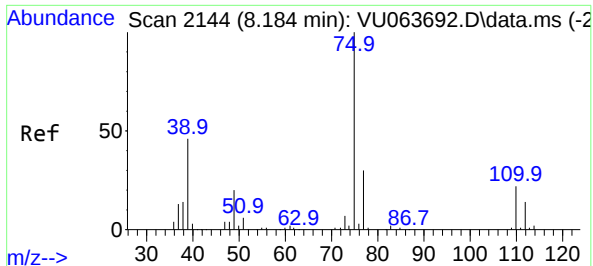
Tgt Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
58 16.9 32.3 48.5#



#52
Toluene
Concen: 0.063 ug/l
RT: 7.943 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 92 Resp: 266
Ion Ratio Lower Upper
92 100
91 112.8 136.6 204.8#





#53

t-1,3-Dichloropropene

Concen: 0.018 ug/l

RT: 8.190 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

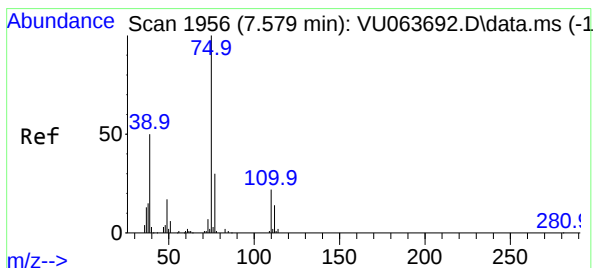
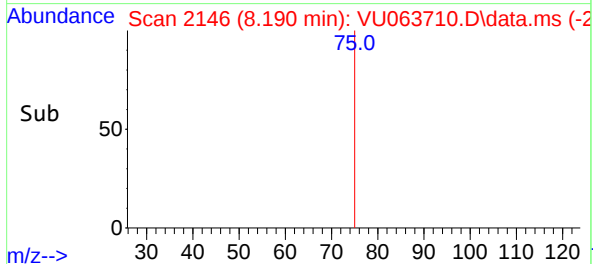
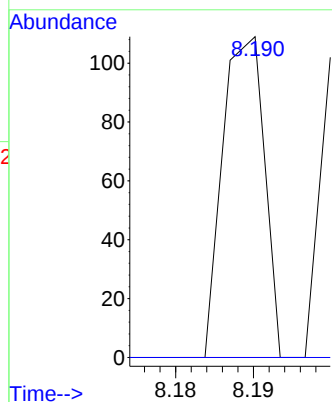
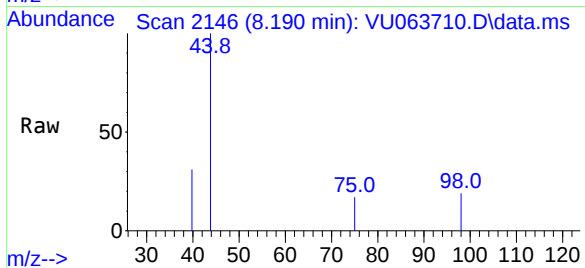
VU1112WBL01

Tgt Ion: 75 Resp: 41

Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#



#54

cis-1,3-Dichloropropene

Concen: 0.008 ug/l

RT: 7.592 min Scan# 1960

Delta R.T. 0.013 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

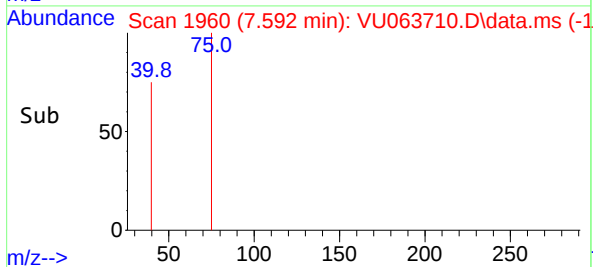
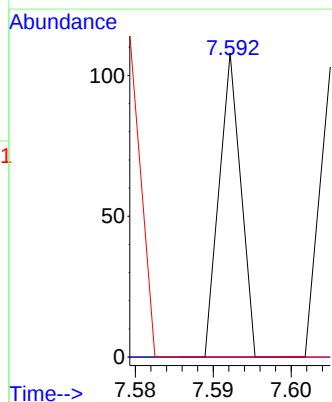
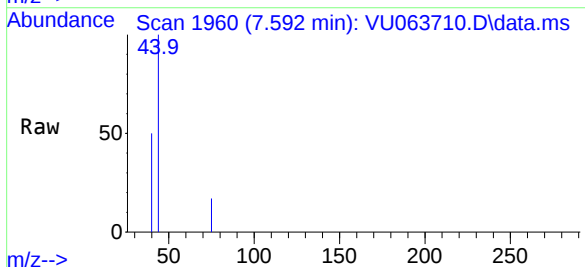
Tgt Ion: 75 Resp: 21

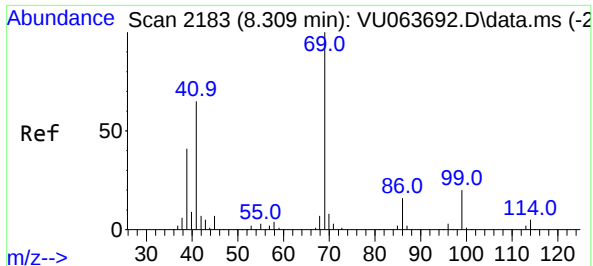
Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#

39 0.0 40.2 60.2#

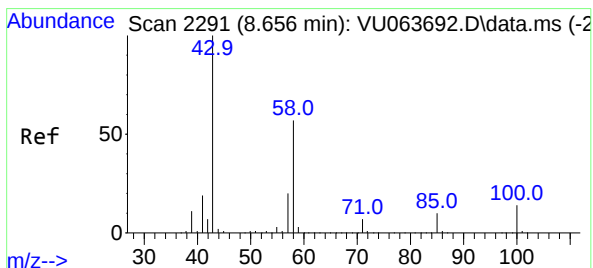
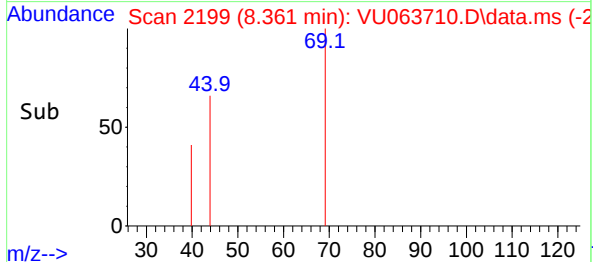
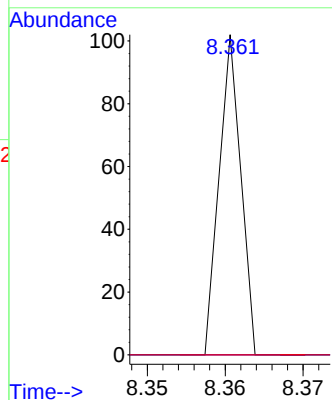
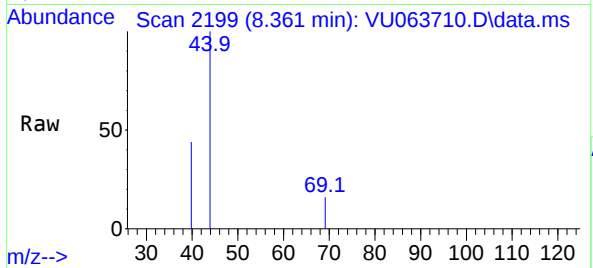




#56
Ethyl methacrylate
Concen: 0.007 ug/l
RT: 8.361 min Scan# 2183
Delta R.T. 0.051 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

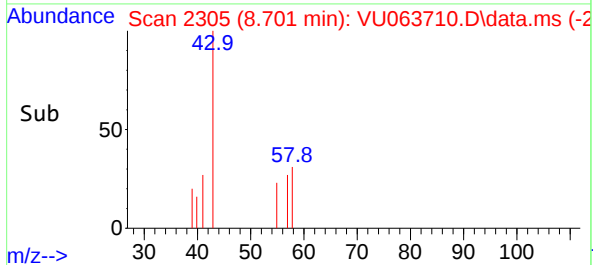
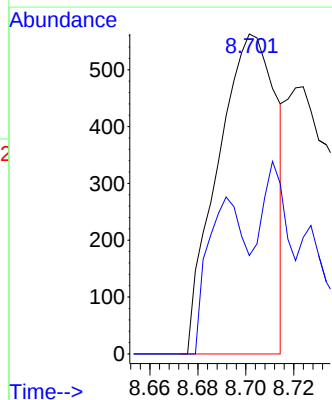
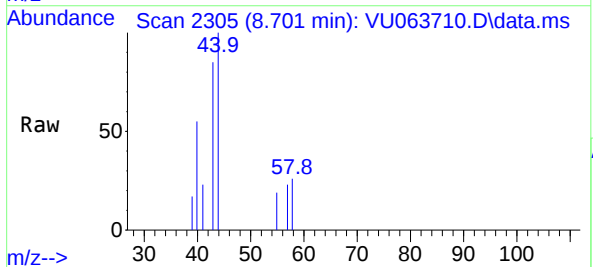
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

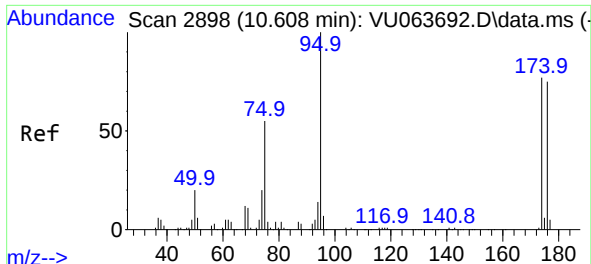
Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.2#
39 215.0 32.2 48.4#



#59
2-Hexanone
Concen: 0.400 ug/l
RT: 8.701 min Scan# 2305
Delta R.T. 0.045 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
58 14.2 28.4 85.3#

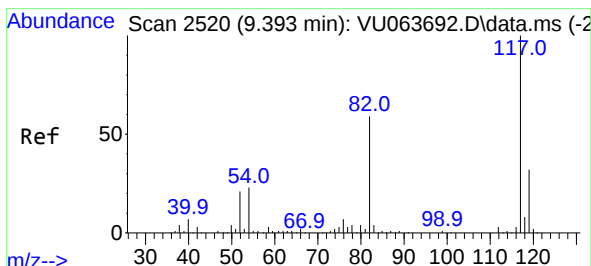
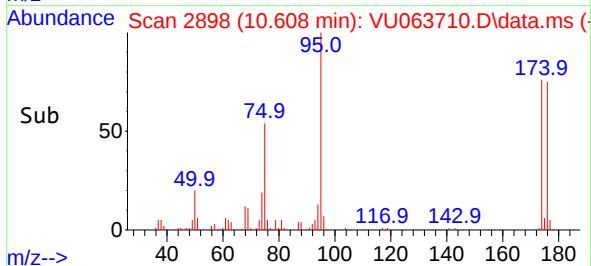
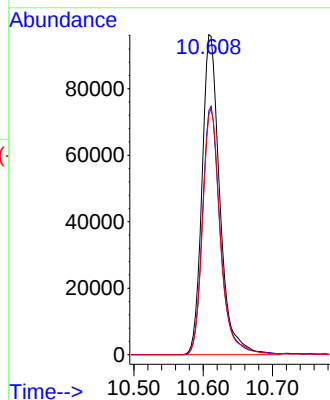
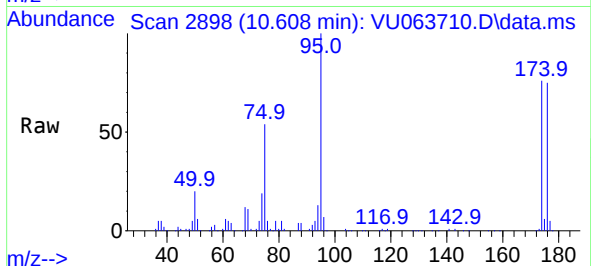




#62
4-Bromofluorobenzene
Concen: 58.198 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

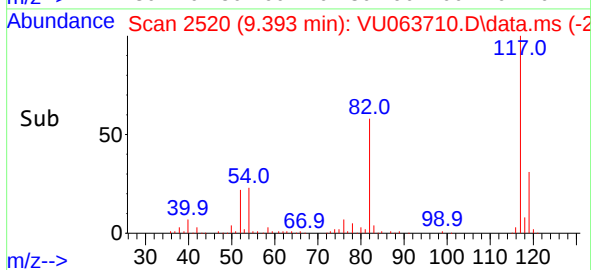
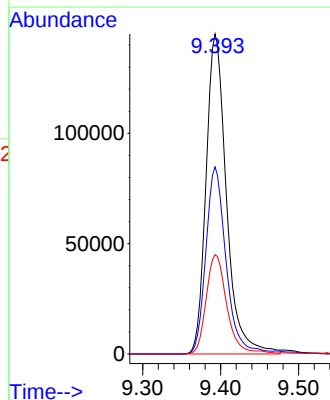
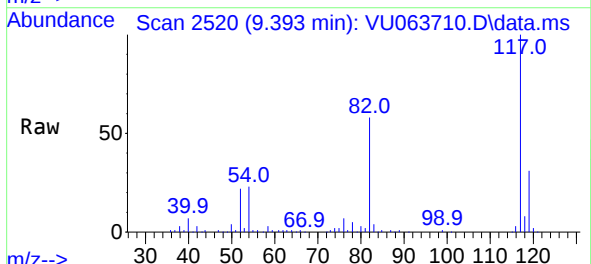
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

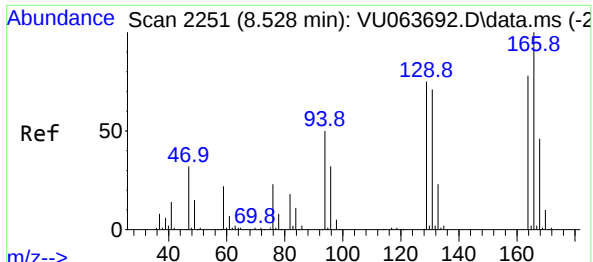
Tgt Ion: 95 Resp: 171146
Ion Ratio Lower Upper
95 100
174 77.9 0.0 154.6
176 76.7 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

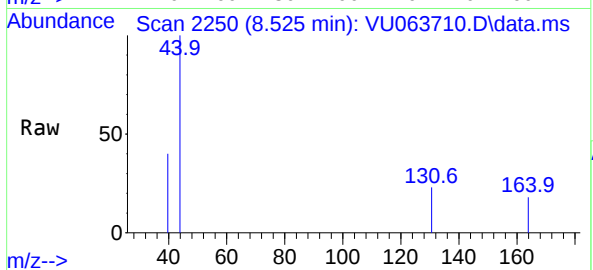
Tgt Ion: 117 Resp: 263432
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 31.0 25.8 38.8



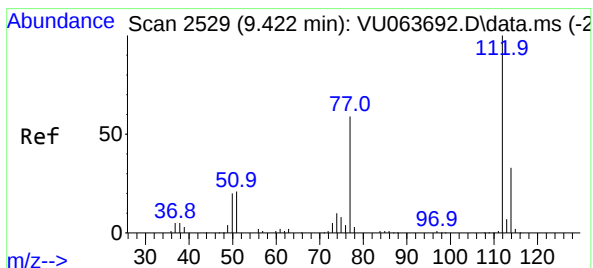
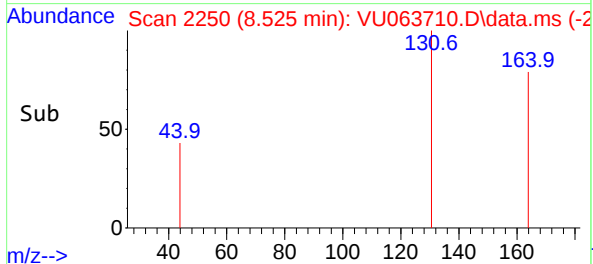
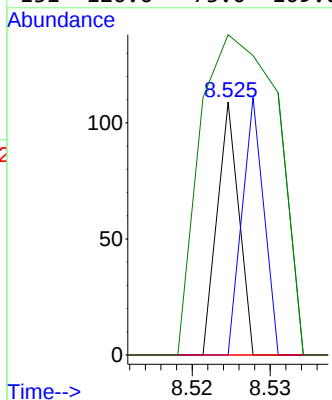


#64
Tetrachloroethene
Concen: 0.012 ug/l
RT: 8.525 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

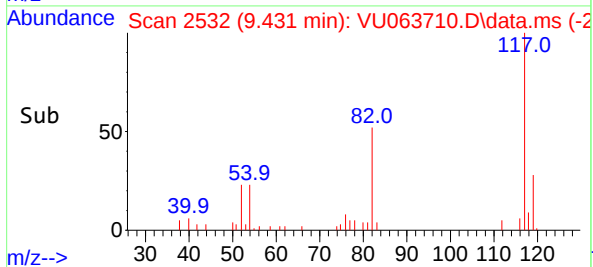
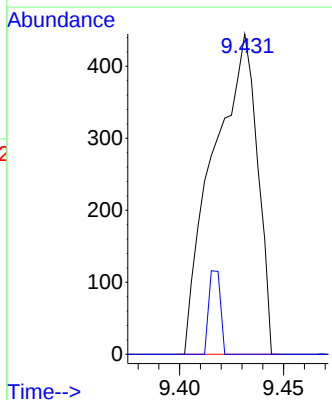
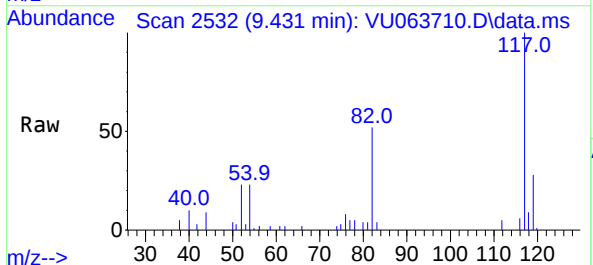


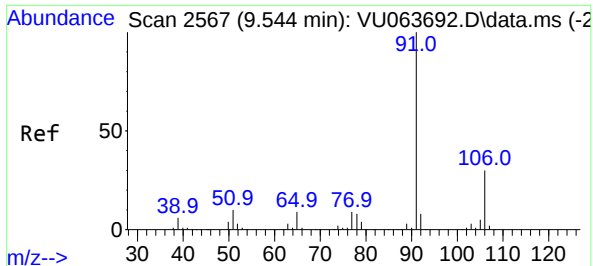
Tgt Ion:164 Resp: 21
Ion Ratio Lower Upper
164 100
166 0.0 102.5 153.7#
129 0.0 77.1 115.7#
131 126.6 73.0 109.6#



#65
Chlorobenzene
Concen: 0.127 ug/l
RT: 9.431 min Scan# 2532
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:112 Resp: 653
Ion Ratio Lower Upper
112 100
114 0.0 26.2 39.2#





#67

Ethyl Benzene

Concen: 0.096 ug/l

RT: 9.553 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

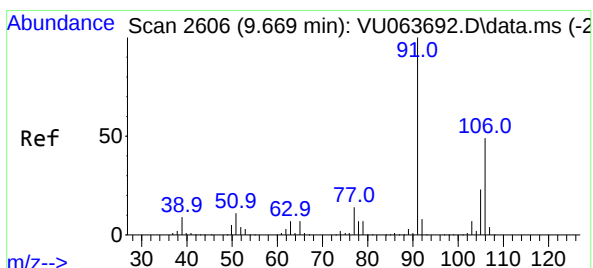
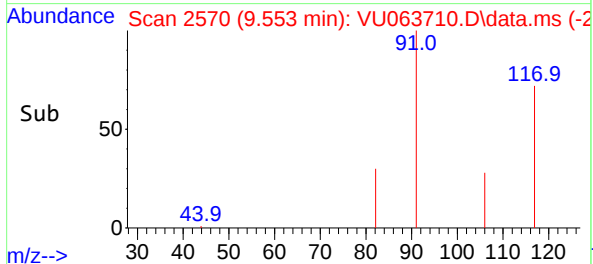
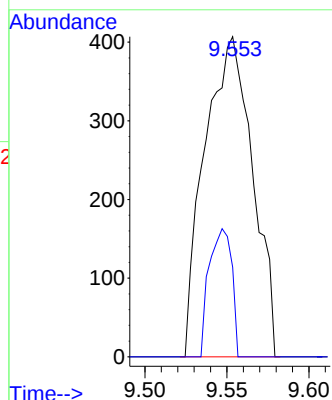
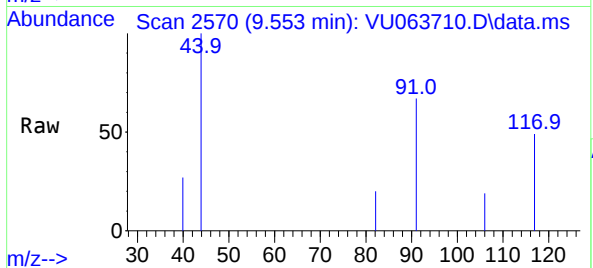
VU1112WBL01

Tgt Ion: 91 Resp: 824

Ion Ratio Lower Upper

91 100

106 28.0 23.8 35.8



#68

m/p-Xylenes

Concen: 0.175 ug/l

RT: 9.689 min Scan# 2612

Delta R.T. 0.019 min

Lab File: VU063710.D

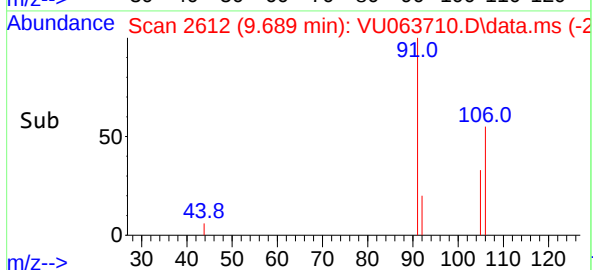
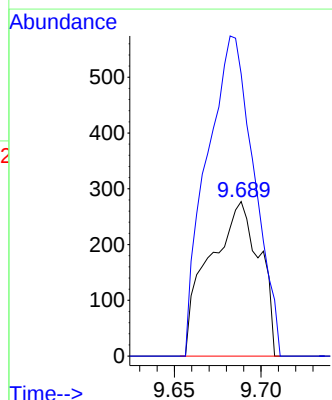
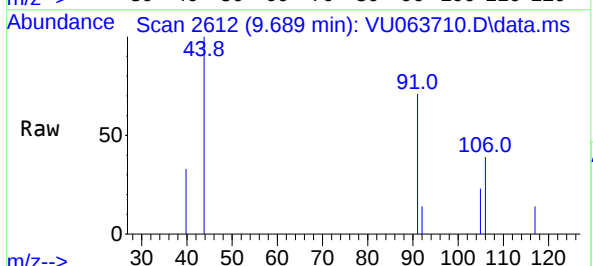
Acq: 12 Nov 2025 10:22

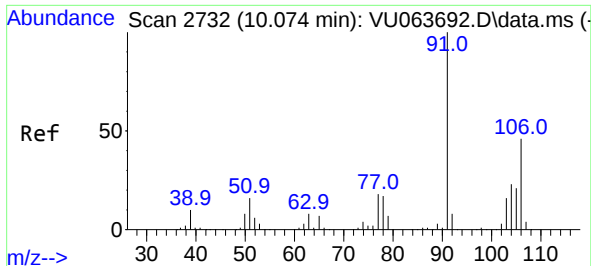
Tgt Ion: 106 Resp: 553

Ion Ratio Lower Upper

106 100

91 196.7 165.7 248.5

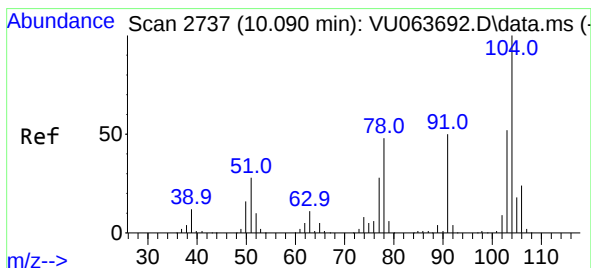
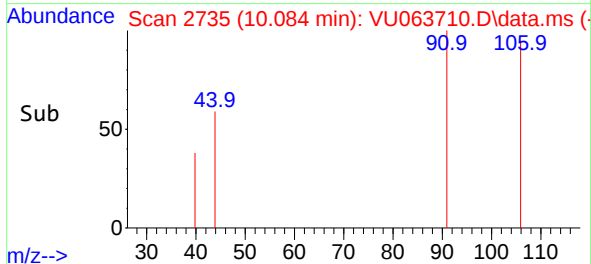
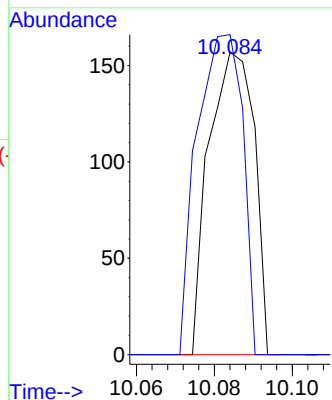
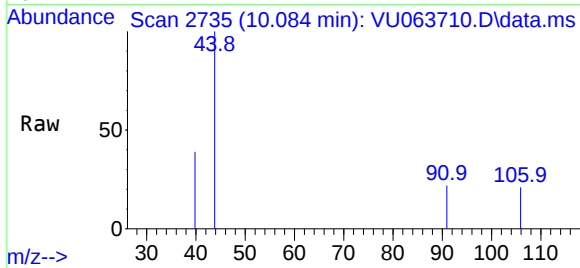




#69
o-Xylene
Concen: 0.039 ug/l
RT: 10.084 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

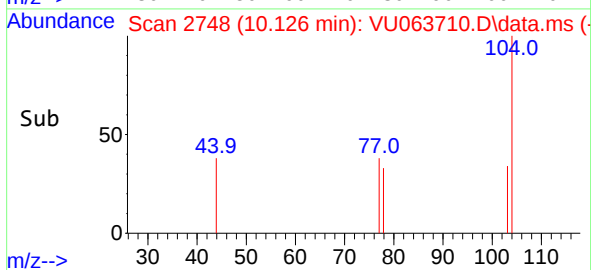
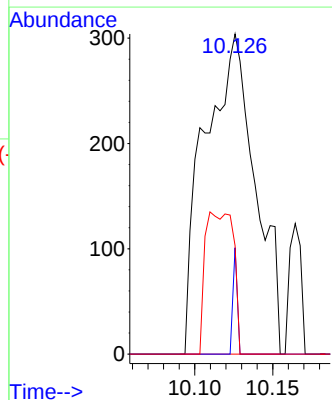
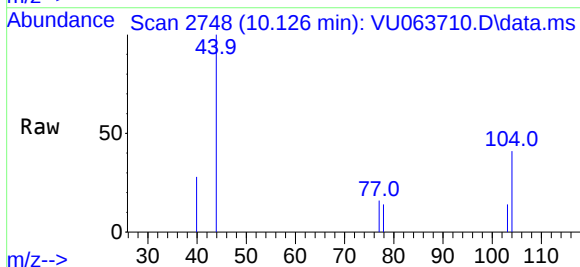
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

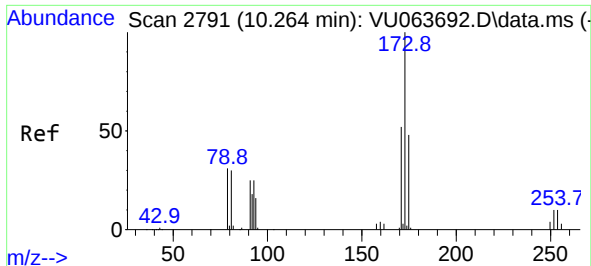
Tgt Ion:106 Resp: 127
Ion Ratio Lower Upper
106 100
91 106.3 108.7 325.9#



#70
Styrene
Concen: 0.131 ug/l
RT: 10.126 min Scan# 2748
Delta R.T. 0.035 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:104 Resp: 687
Ion Ratio Lower Upper
104 100
78 2.8 42.7 64.1#
103 24.6 44.0 66.0#

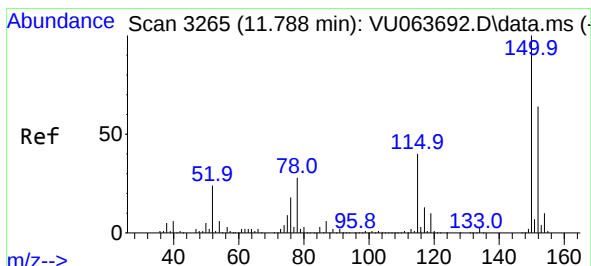
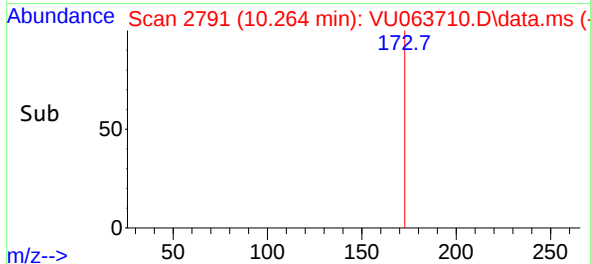
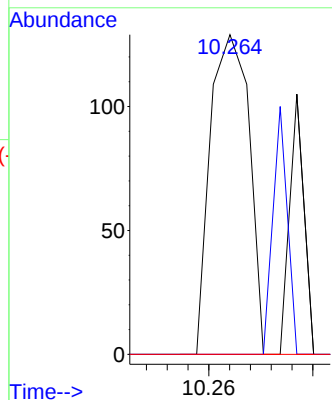
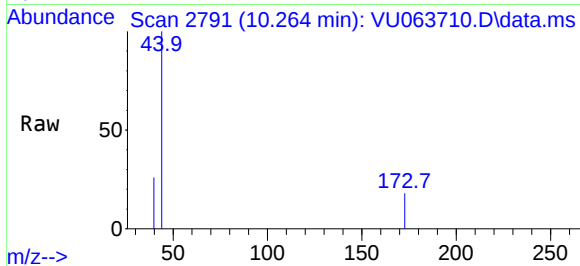




#71
Bromoform
Concen: 0.048 ug/l
RT: 10.264 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

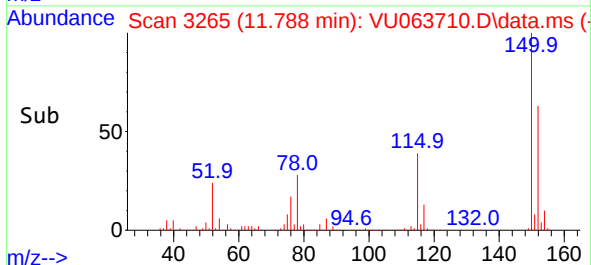
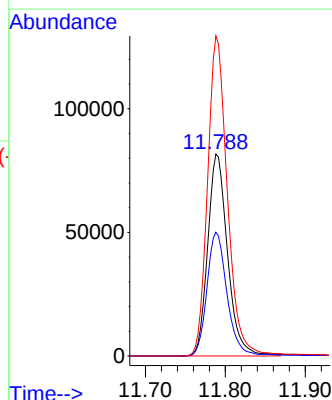
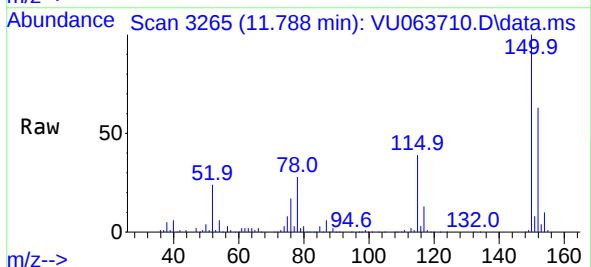
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

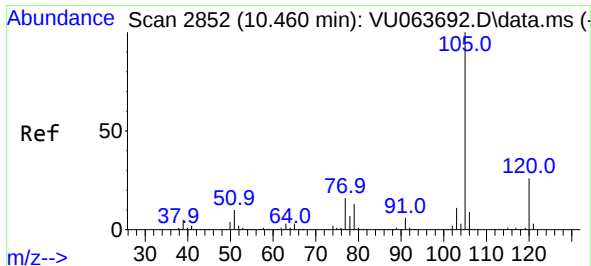
Tgt Ion:173 Resp: 67
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.788 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:152 Resp: 141364
Ion Ratio Lower Upper
152 100
115 62.3 41.0 123.0
150 157.9 0.0 342.2

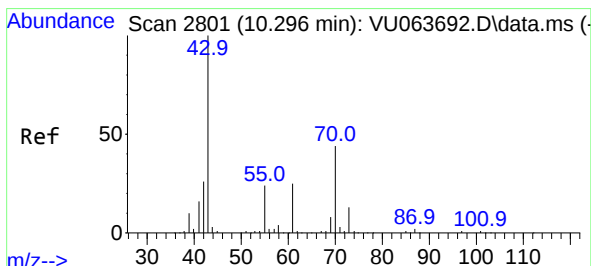
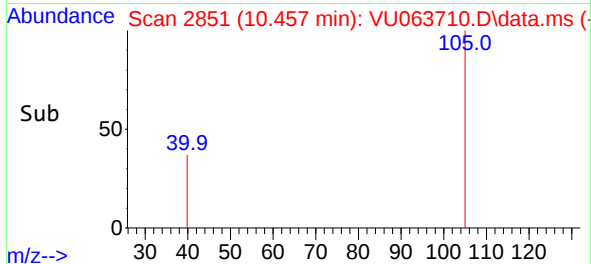
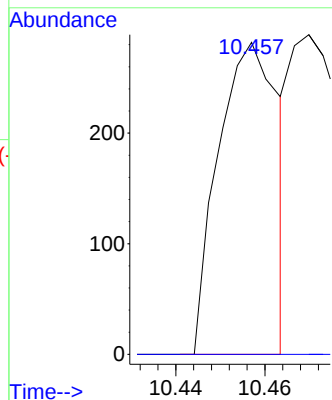
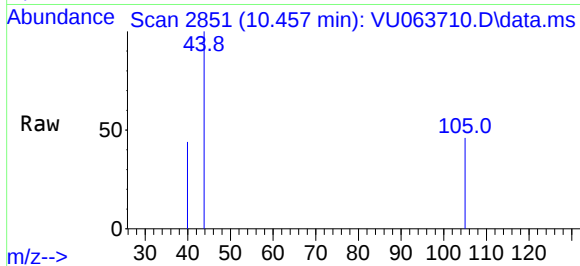




#73
Isopropylbenzene
Concen: 0.030 ug/l
RT: 10.457 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

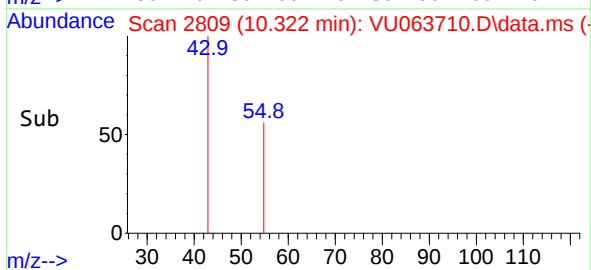
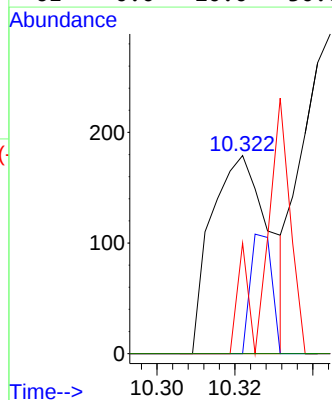
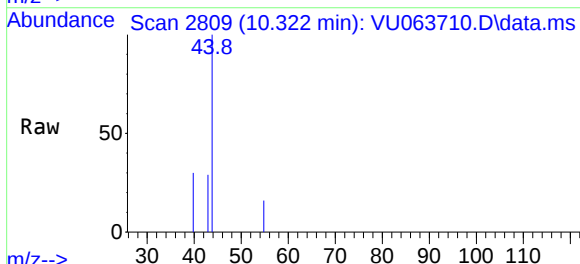
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

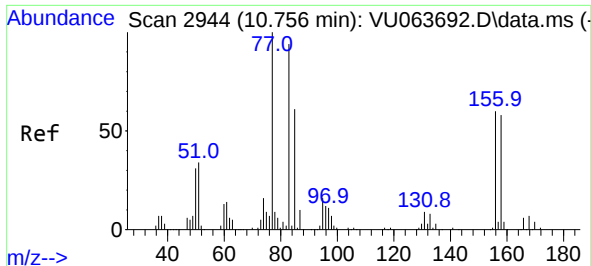
Tgt Ion:105 Resp: 264
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#



#74
N-amy1 acetate
Concen: 0.060 ug/l
RT: 10.322 min Scan# 2809
Delta R.T. 0.026 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
70 22.2 36.5 54.7#
55 55.7 20.6 30.8#
61 0.0 20.0 30.0#

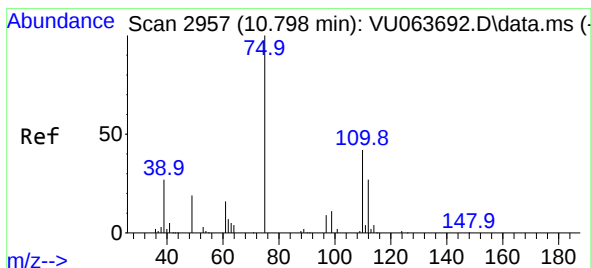
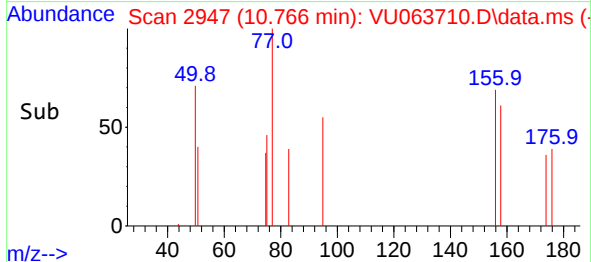
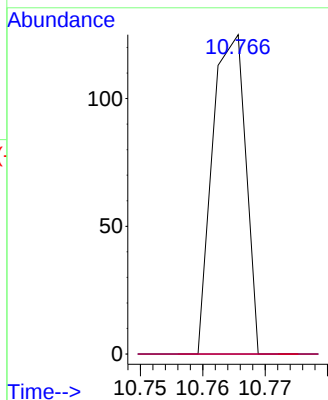
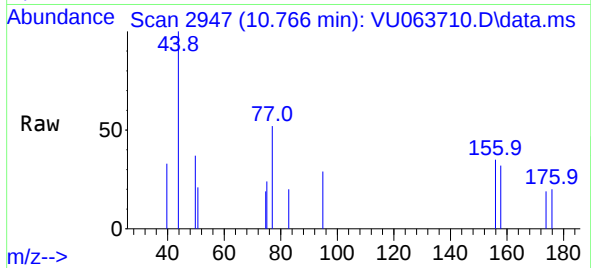




#75
1,1,2,2-Tetrachloroethane
Concen: 0.013 ug/l
RT: 10.766 min Scan# 2944
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

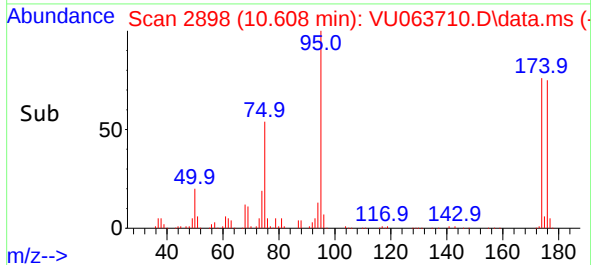
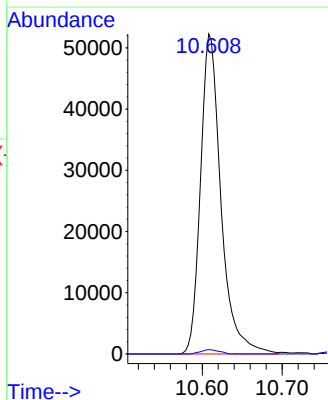
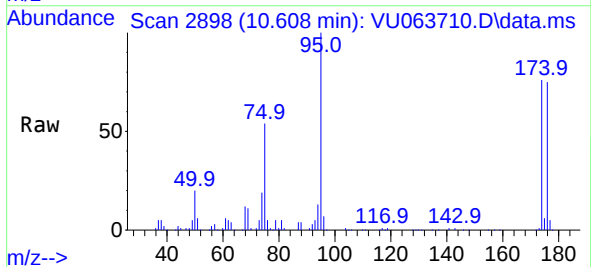
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

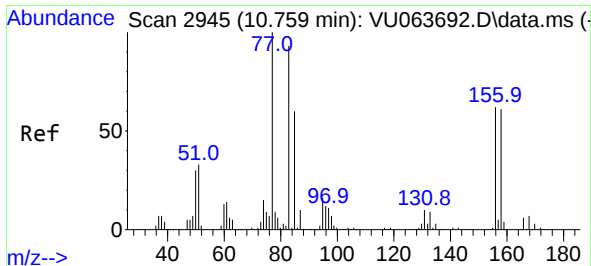
Tgt Ion: 83 Resp: 46
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 26.144 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.190 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 75 Resp: 93136
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

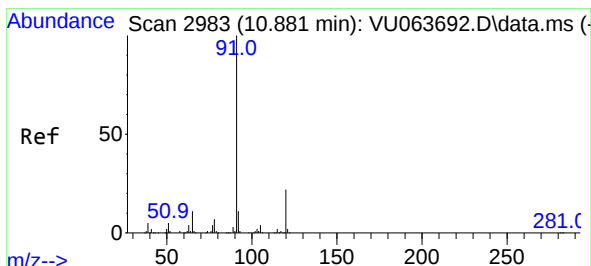
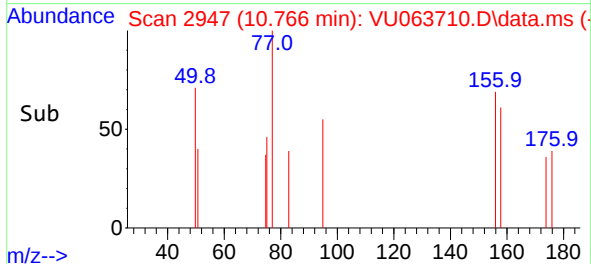
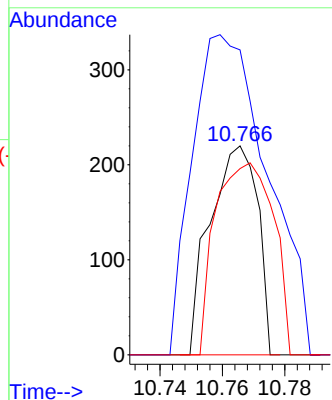
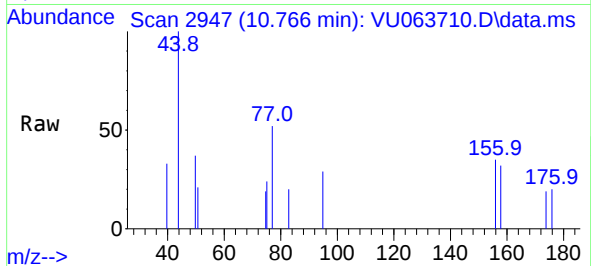




#77
Bromobenzene
Concen: 0.104 ug/l
RT: 10.766 min Scan# 2947
Delta R.T. 0.006 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

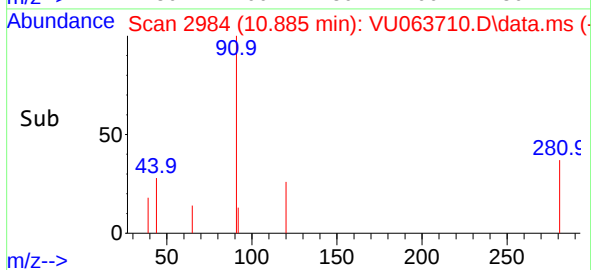
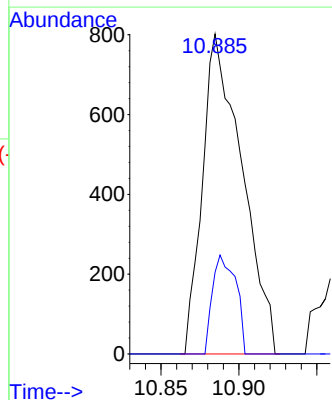
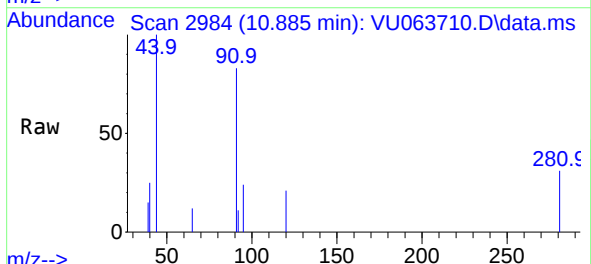
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

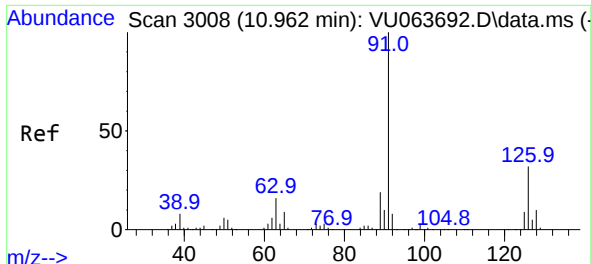
Tgt Ion:	156	Resp:	233
Ion	Ratio	Lower	Upper
156	100		
77	242.9	81.4	244.2
158	112.0	48.8	146.3



#78
n-propylbenzene
Concen: 0.139 ug/l
RT: 10.885 min Scan# 2984
Delta R.T. 0.003 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:	91	Resp:	1413
Ion	Ratio	Lower	Upper
91	100		
120	18.2	11.2	33.6

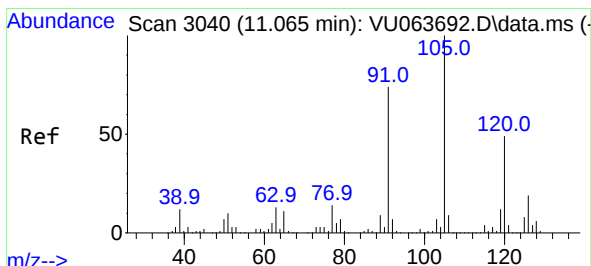
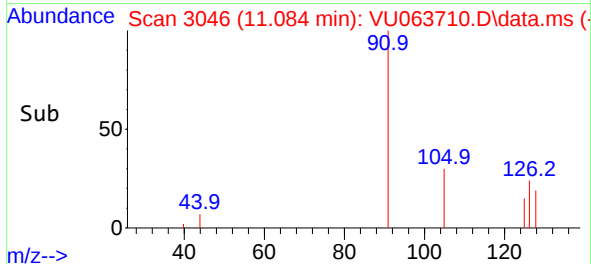
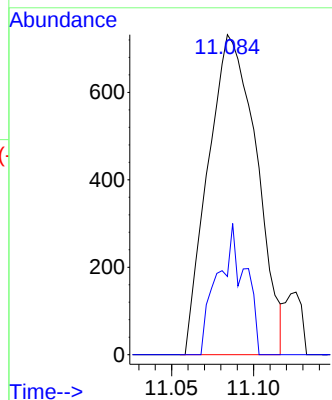
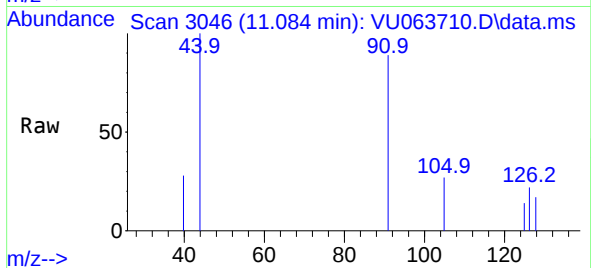




#79
2-Chlorotoluene
Concen: 0.227 ug/l
RT: 11.084 min Scan# 3046
Delta R.T. 0.122 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

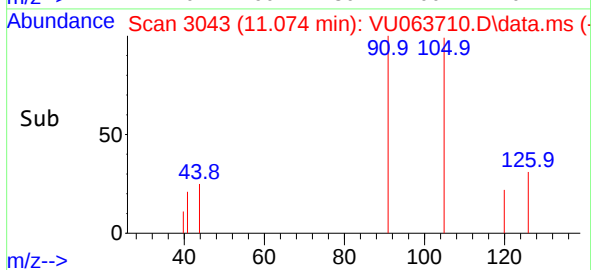
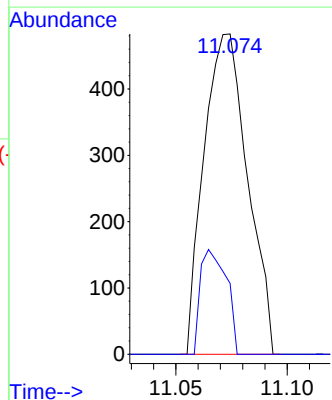
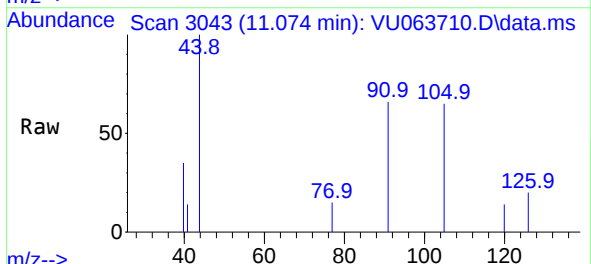
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

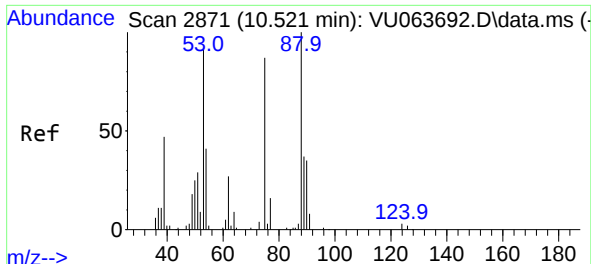
Tgt Ion: 91 Resp: 1498
Ion Ratio Lower Upper
91 100
126 23.3 16.4 49.1



#80
1,3,5-Trimethylbenzene
Concen: 0.088 ug/l
RT: 11.074 min Scan# 3043
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 105 Resp: 658
Ion Ratio Lower Upper
105 100
120 19.6 24.1 72.2#

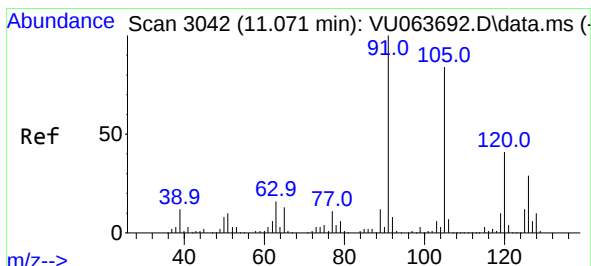
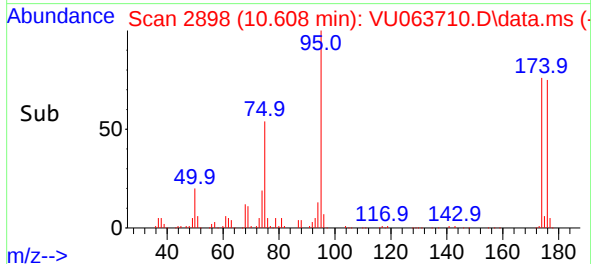
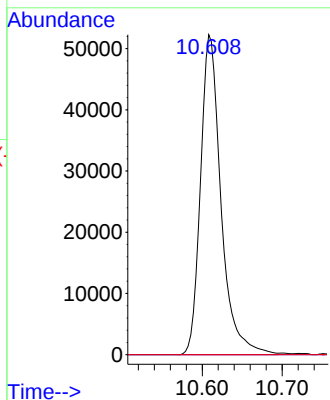
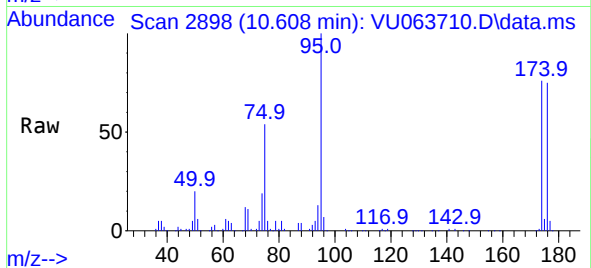




#81
trans-1,4-Dichloro-2-butene
Concen: 139.278 ug/l
RT: 10.608 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

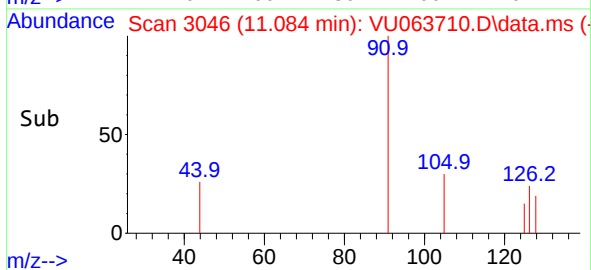
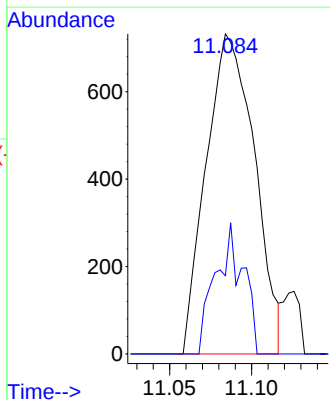
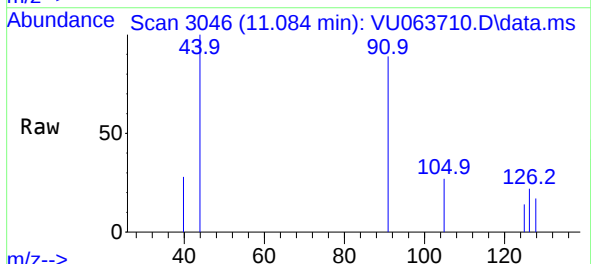
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

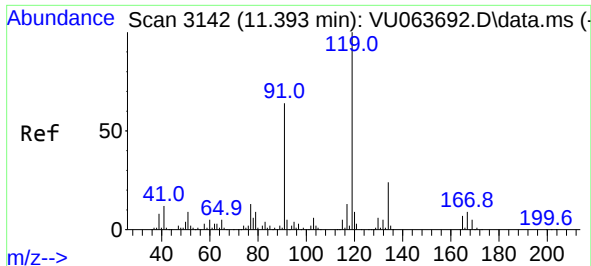
Tgt Ion: 75 Resp: 93136
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 35.2 52.8#



#82
4-Chlorotoluene
Concen: 0.200 ug/l
RT: 11.084 min Scan# 3046
Delta R.T. 0.013 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 91 Resp: 1498
Ion Ratio Lower Upper
91 100
126 23.3 14.2 42.8

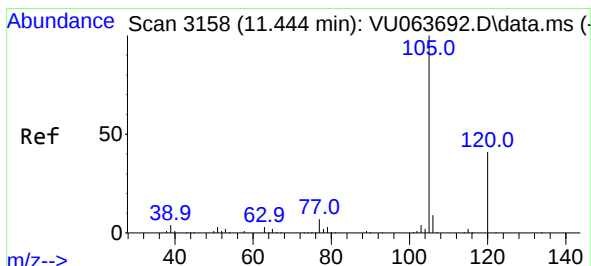
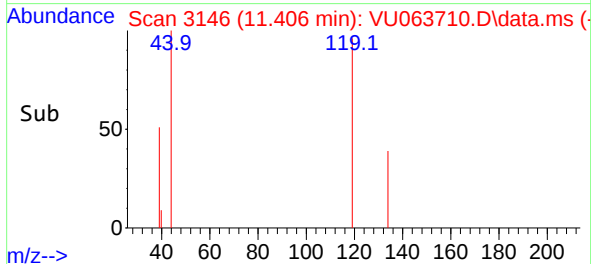
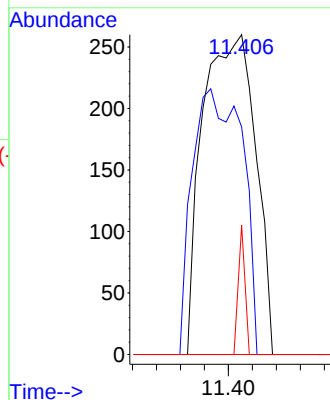
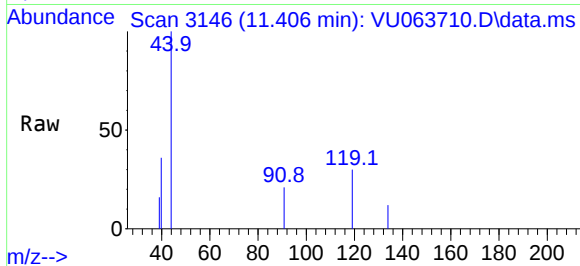




#83
tert-Butylbenzene
Concen: 0.051 ug/l
RT: 11.406 min Scan# 3146
Delta R.T. 0.013 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

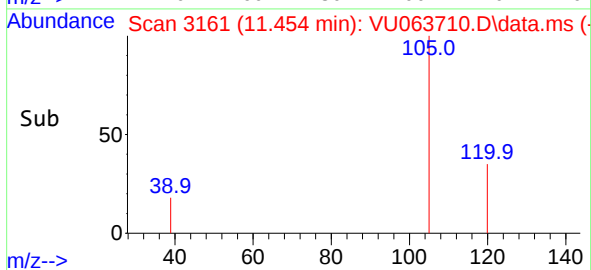
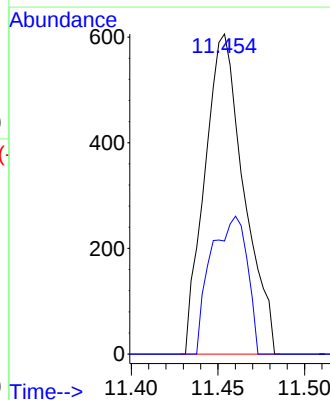
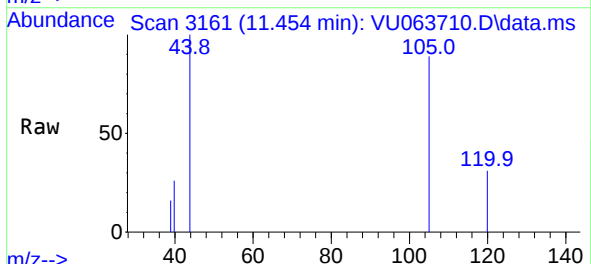
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

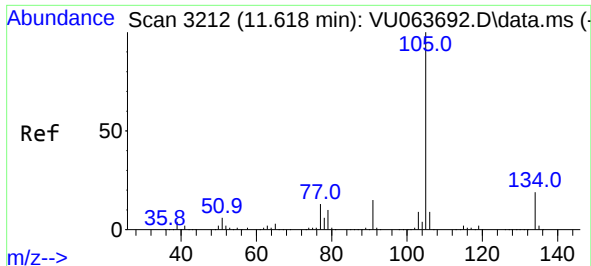
Tgt Ion:119 Resp: 397
Ion Ratio Lower Upper
119 100
91 78.6 30.8 92.3
134 5.0 11.9 35.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.130 ug/l
RT: 11.454 min Scan# 3161
Delta R.T. 0.010 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:105 Resp: 951
Ion Ratio Lower Upper
105 100
120 39.9 22.4 67.3

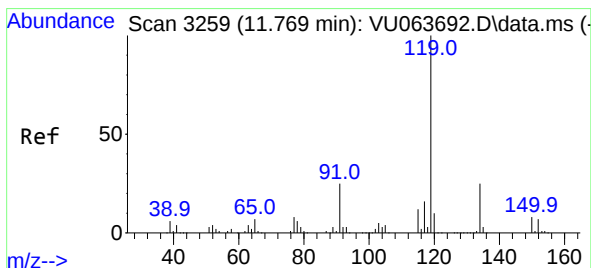
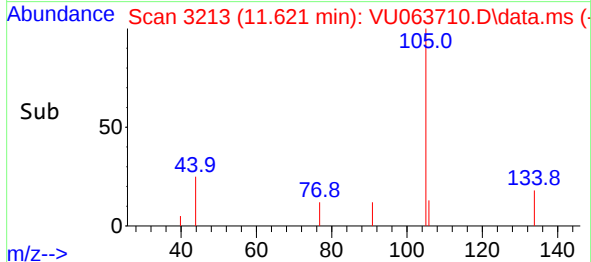
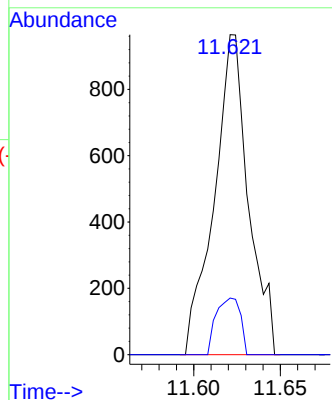
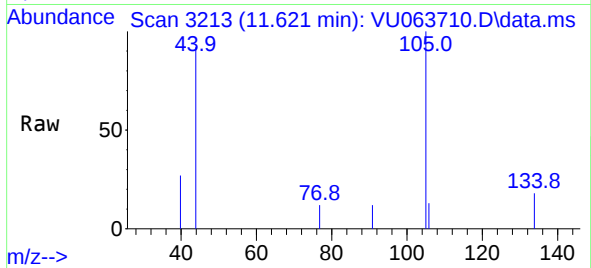




#85
 sec-Butylbenzene
 Concen: 0.136 ug/l
 RT: 11.621 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063710.D
 Acq: 12 Nov 2025 10:22

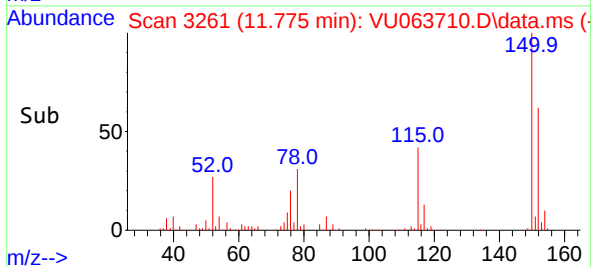
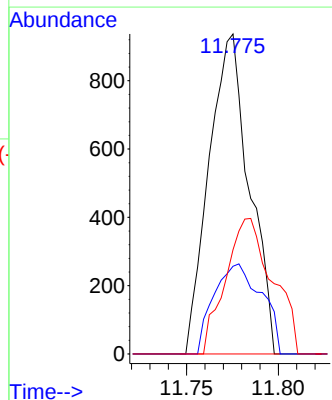
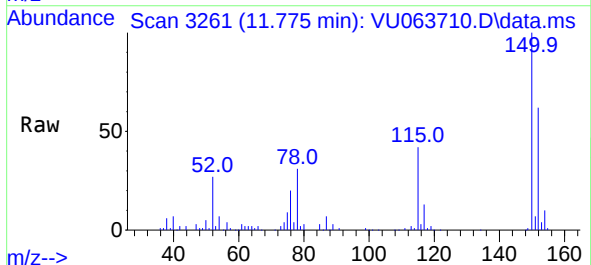
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBL01

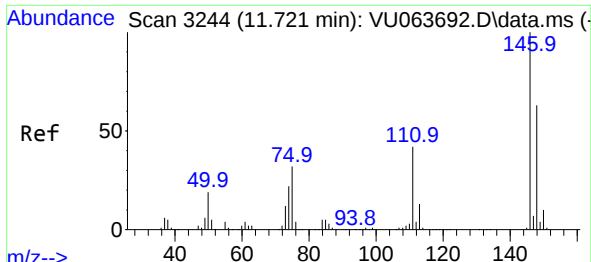
Tgt Ion:105 Resp: 1331
 Ion Ratio Lower Upper
 105 100
 134 12.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.182 ug/l
 RT: 11.775 min Scan# 3261
 Delta R.T. 0.006 min
 Lab File: VU063710.D
 Acq: 12 Nov 2025 10:22

Tgt Ion:119 Resp: 1432
 Ion Ratio Lower Upper
 119 100
 134 33.2 12.6 37.6
 91 49.1 12.6 37.8#





#87

1,3-Dichlorobenzene

Concen: 0.222 ug/l

RT: 11.730 min Scan# 3247

Delta R.T. 0.010 min

Lab File: VU063710.D

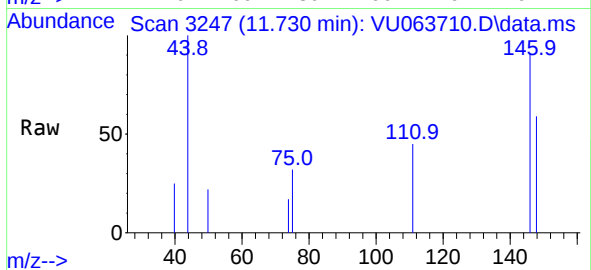
Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01



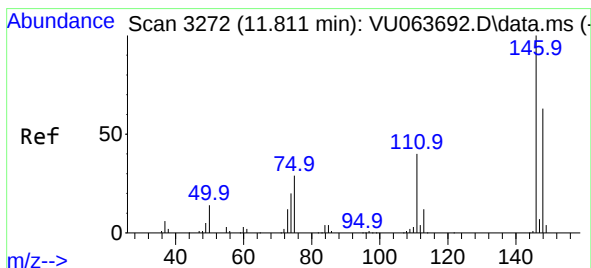
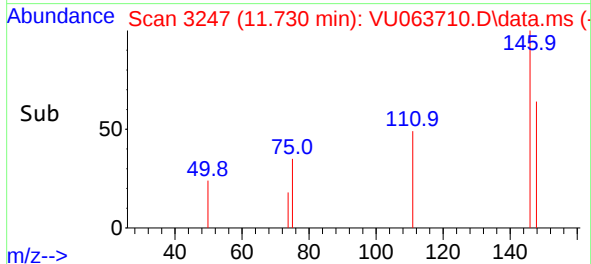
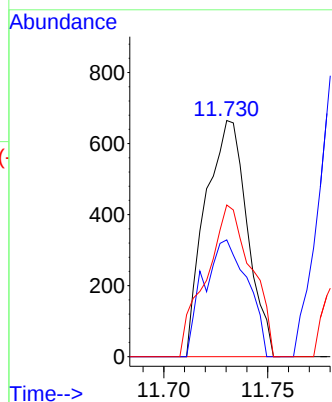
Tgt Ion:146 Resp: 930

Ion Ratio Lower Upper

146 100

111 51.8 20.6 61.8

148 69.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 0.212 ug/l

RT: 11.730 min Scan# 3247

Delta R.T. -0.080 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

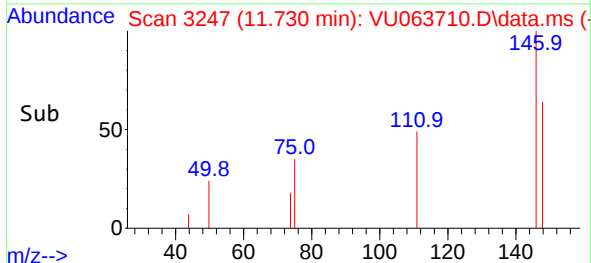
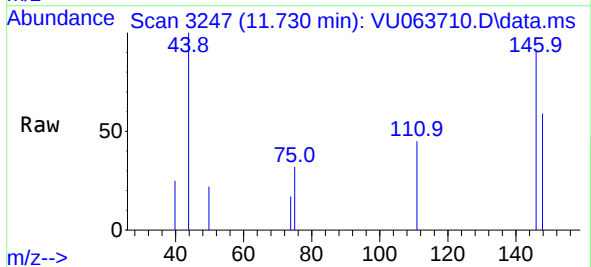
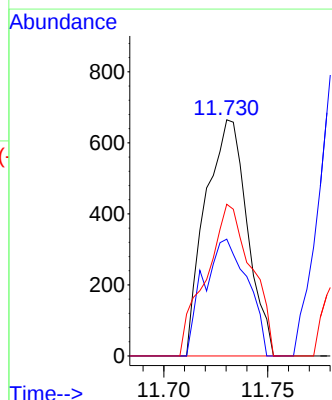
Tgt Ion:146 Resp: 930

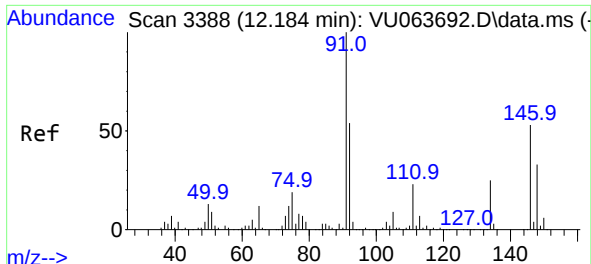
Ion Ratio Lower Upper

146 100

111 51.8 20.4 61.3

148 69.5 31.4 94.3





#89

n-Butylbenzene

Concen: 0.448 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

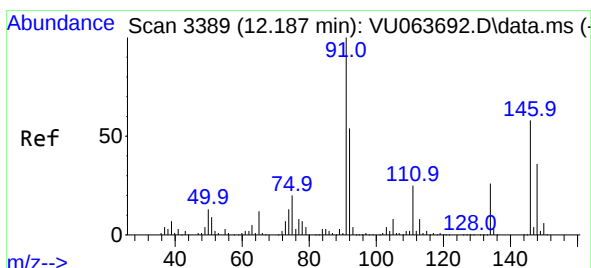
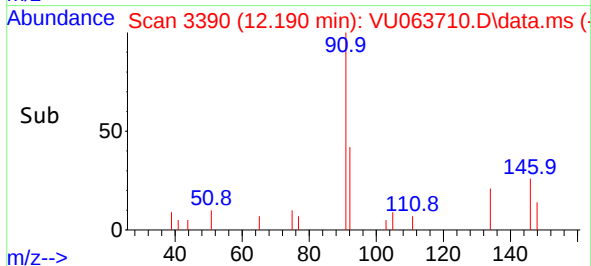
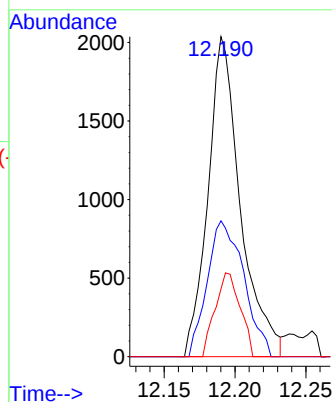
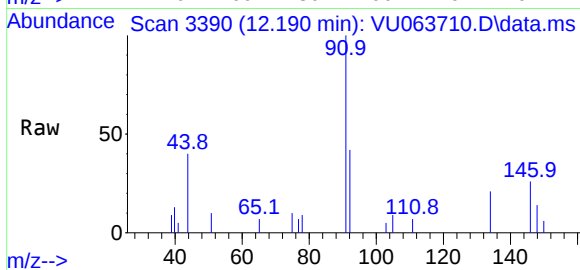
Tgt Ion: 91 Resp: 3238

Ion Ratio Lower Upper

91 100

92 47.8 27.0 81.0

134 20.2 12.4 37.4



#91

1,2-Dichlorobenzene

Concen: 0.215 ug/l

RT: 12.193 min Scan# 3391

Delta R.T. 0.006 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

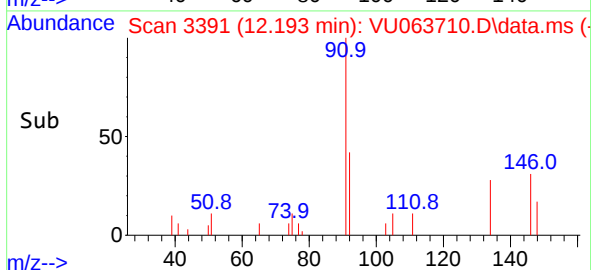
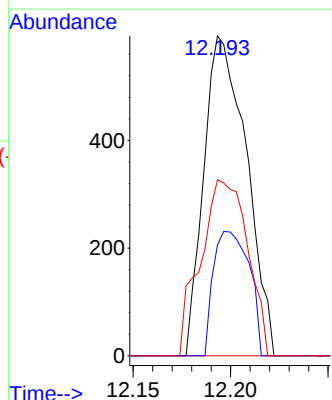
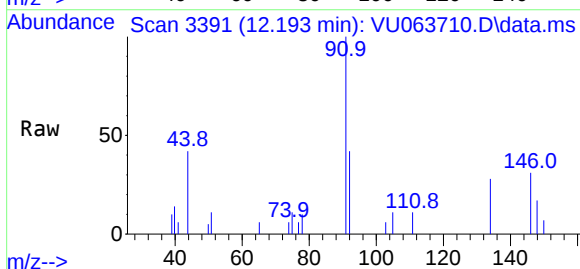
Tgt Ion:146 Resp: 900

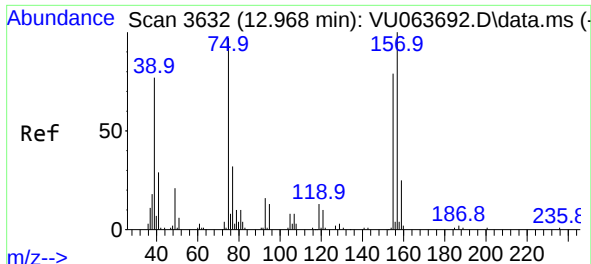
Ion Ratio Lower Upper

146 100

111 32.7 21.8 65.3

148 61.1 31.6 94.7

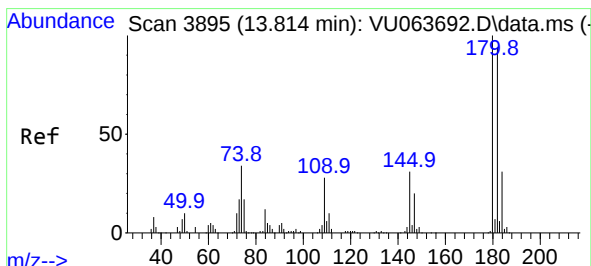
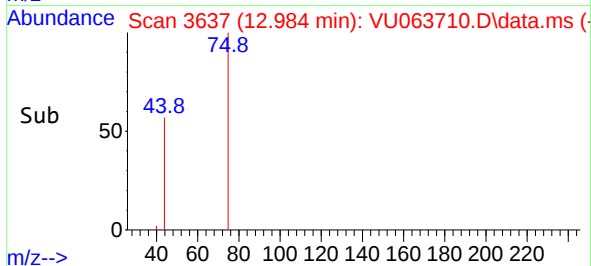
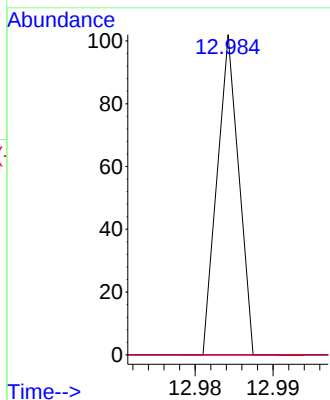
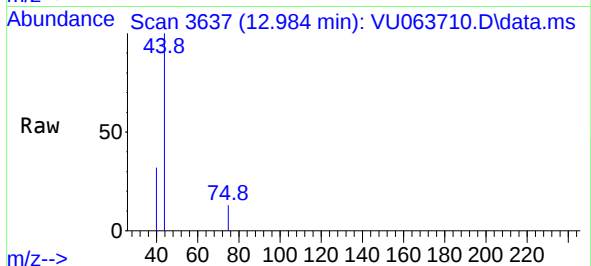




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.029 ug/l
RT: 12.984 min Scan# 3637
Delta R.T. 0.016 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

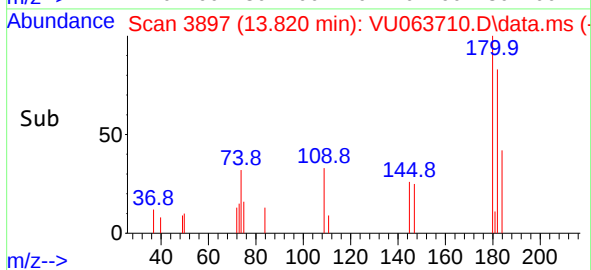
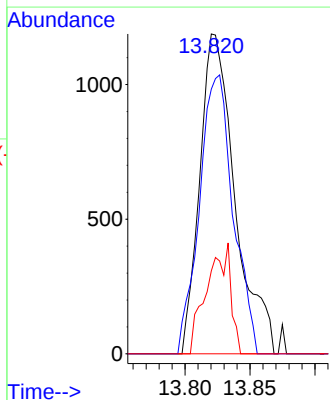
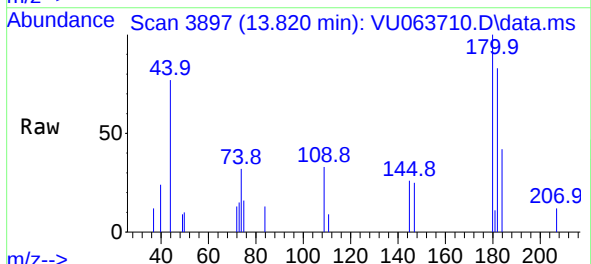
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

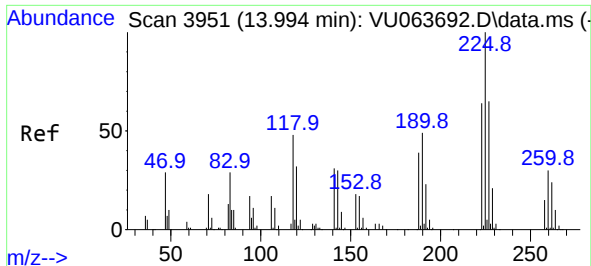
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 40.5 121.4#
157 0.0 50.4 151.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.840 ug/l
RT: 13.820 min Scan# 3897
Delta R.T. 0.006 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:180 Resp: 2245
Ion Ratio Lower Upper
180 100
182 83.3 47.6 142.9
145 23.2 15.9 47.6

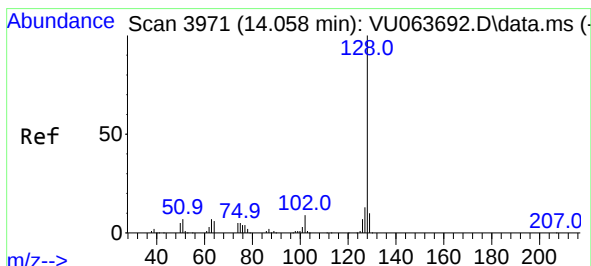
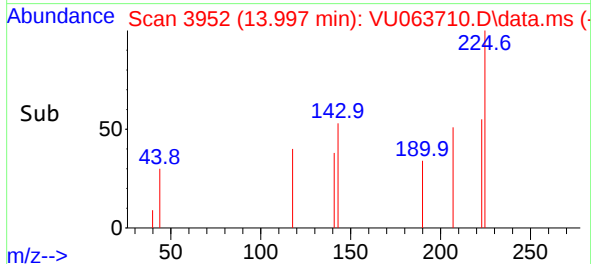
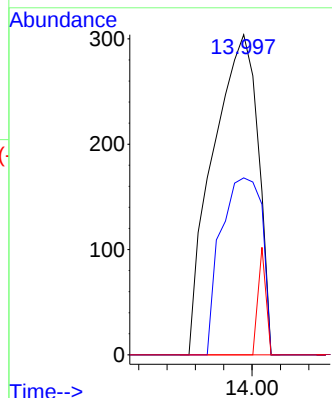
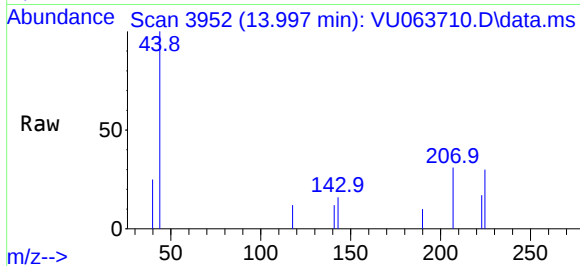




#94
Hexachlorobutadiene
Concen: 0.250 ug/l
RT: 13.997 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

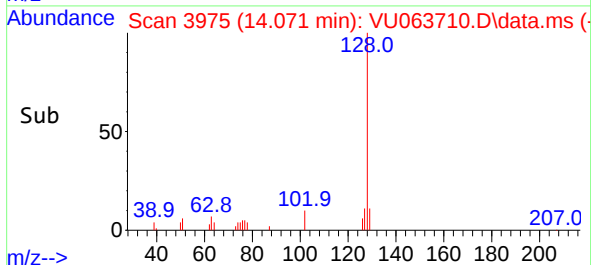
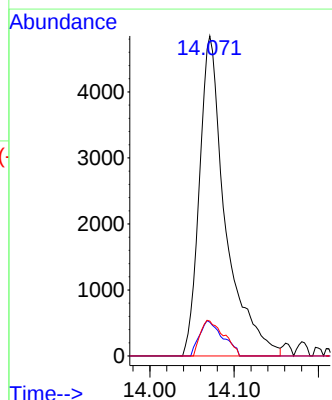
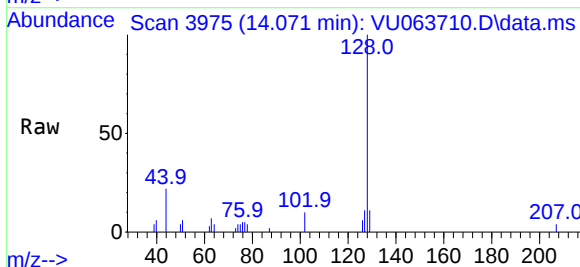
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

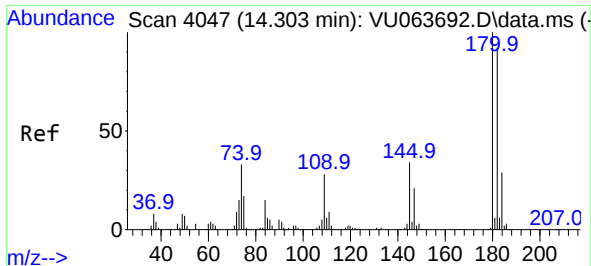
Tgt Ion:225 Resp: 336
Ion Ratio Lower Upper
225 100
223 50.3 31.6 94.8
227 6.0 32.4 97.0#



#95
Naphthalene
Concen: 1.441 ug/l
RT: 14.071 min Scan# 3975
Delta R.T. 0.013 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

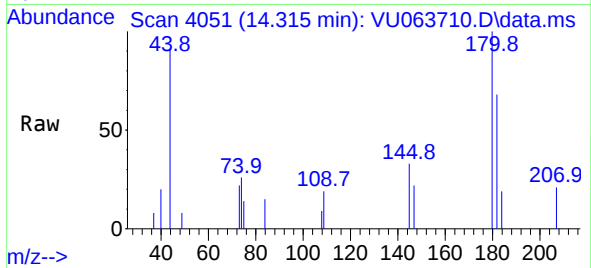
Tgt Ion:128 Resp: 10430
Ion Ratio Lower Upper
128 100
127 9.8 9.9 14.9#
129 10.0 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.905 ug/l
 RT: 14.315 min Scan# 40
 Delta R.T. 0.013 min
 Lab File: VU063710.D
 Acq: 12 Nov 2025 10:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.3	47.3	142.0
145	31.3	16.6	49.7

