

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063471.D
 Acq On : 10 Jul 2025 11:06
 Operator : MD/SY
 Sample : VU0710WBL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL03

Quant Time: Jul 11 04:46:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 11 04:42:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	126451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	226759	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	211936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	106082	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	82995	51.442	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.880%	
35) Dibromofluoromethane	5.277	113	68251	49.933	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.860%	
50) Toluene-d8	7.888	98	215985	48.476	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.960%	
62) 4-Bromofluorobenzene	10.624	95	94787	48.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.280%	

Target Compounds					Qvalue	
3) Chloromethane	1.518	50	351	0.287	ug/l	99
4) Vinyl Chloride	1.599	62	111	0.082	ug/l #	59
5) Bromomethane	1.824	94	162	0.170	ug/l #	2
6) Chloroethane	1.917	64	168	0.171	ug/l #	43
8) Diethyl Ether	2.255	74	20	0.022	ug/l	79
10) Methyl Iodide	2.714	142	262	0.194	ug/l #	56
11) Tert butyl alcohol	3.181	59	579	1.070	ug/l #	59
12) 1,1-Dichloroethene	2.570	96	136	0.113	ug/l #	1
13) Acrolein	2.483	56	389	5.095	ug/l #	61
14) Allyl chloride	2.898	41	169	0.059	ug/l #	67
15) Acrylonitrile	3.309	53	401	0.346	ug/l #	64
16) Acetone	2.615	43	570	0.421	ug/l #	46
17) Carbon Disulfide	2.779	76	790	0.274	ug/l #	91
18) Methyl Acetate	2.930	43	122	0.035	ug/l #	54
19) Methyl tert-butyl Ether	3.235	73	46	0.009	ug/l #	40
20) Methylene Chloride	3.029	84	2254	1.142	ug/l #	88
21) trans-1,2-Dichloroethene	3.338	96	46	0.035	ug/l #	1
22) Diisopropyl ether	4.017	45	63	0.013	ug/l #	22
23) Vinyl Acetate	3.943	43	279	0.074	ug/l #	73
25) 2-Butanone	4.708	43	221	0.145	ug/l #	49
29) Tetrahydrofuran	5.045	42	80	0.083	ug/l #	32
31) Cyclohexane	5.361	56	3341	1.498	ug/l #	1
36) 1,1-Dichloropropene	5.361	75	10750	5.788	ug/l #	50
37) Ethyl Acetate	4.811	43	220	0.073	ug/l #	70
38) Carbon Tetrachloride	5.357	117	13638	6.664	ug/l #	17
40) Benzene	5.772	78	23	0.004	ug/l #	1
41) Methacrylonitrile	4.965	41	42	0.030	ug/l #	1
42) 1,2-Dichloroethane	5.808	62	95	0.044	ug/l #	76
43) Isopropyl Acetate	5.910	43	97	0.024	ug/l #	61
44) Trichloroethene	6.534	130	19	0.012	ug/l	1
45) 1,2-Dichloropropane	6.660	63	20	0.012	ug/l #	43
47) Bromodichloromethane	7.100	83	44	0.018	ug/l #	25
48) Methyl methacrylate	6.946	41	352	0.191	ug/l #	23
51) 4-Methyl-2-Pentanone	7.820	43	1017	0.352	ug/l #	47
52) Toluene	7.962	92	85	0.022	ug/l #	62
59) 2-Hexanone	8.672	43	135	0.062	ug/l #	25

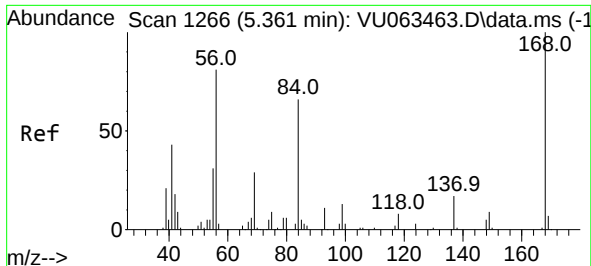
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 11 04:42:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) Chlorobenzene	9.438	112	251	0.057	ug/l #	43
67) Ethyl Benzene	9.566	91	317	0.042	ug/l #	62
68) m/p-Xylenes	9.692	106	70	0.024	ug/l #	2
73) Isopropylbenzene	10.476	105	21	0.003	ug/l #	49
74) N-amyl acetate	10.303	43	43	0.013	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	10.618	83	43	0.016	ug/l #	25
76) 1,2,3-Trichloropropane	10.624	75	51440	18.300	ug/l #	84
77) Bromobenzene	10.782	156	148	0.084	ug/l #	44
78) n-propylbenzene	10.904	91	591	0.071	ug/l #	53
79) 2-Chlorotoluene	10.981	91	130	0.025	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.090	105	139	0.022	ug/l #	30
81) trans-1,4-Dichloro-2-b...	10.624	75	51440	91.269	ug/l #	12
82) 4-Chlorotoluene	11.106	91	631	0.106	ug/l #	46
84) 1,2,4-Trimethylbenzene	11.476	105	354	0.057	ug/l #	32
85) sec-Butylbenzene	11.643	105	442	0.055	ug/l #	57
86) p-Isopropyltoluene	11.788	119	341	0.053	ug/l #	1
87) 1,3-Dichlorobenzene	11.753	146	277	0.081	ug/l #	66
88) 1,4-Dichlorobenzene	11.830	146	459	0.132	ug/l #	24
89) n-Butylbenzene	12.212	91	442	0.074	ug/l #	60
91) 1,2-Dichlorobenzene	12.216	146	132	0.040	ug/l #	64
93) 1,2,4-Trichlorobenzene	13.862	180	430	0.202	ug/l #	82
95) Naphthalene	14.113	128	3126	0.448	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.338	180	321	0.153	ug/l	74

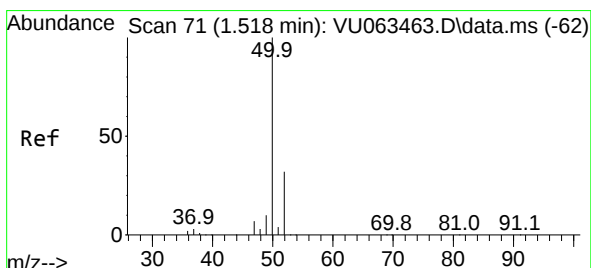
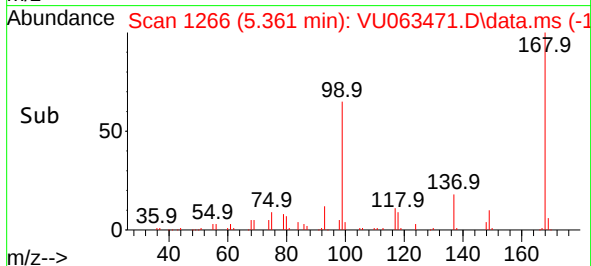
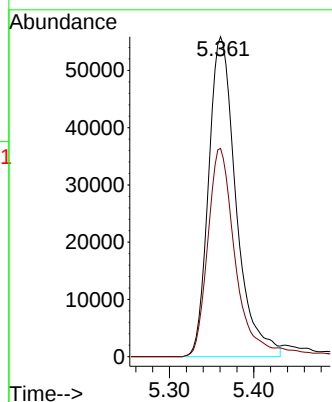
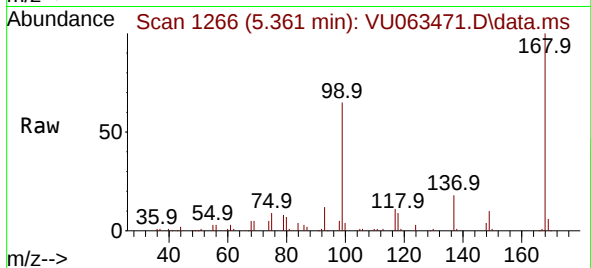
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.361 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

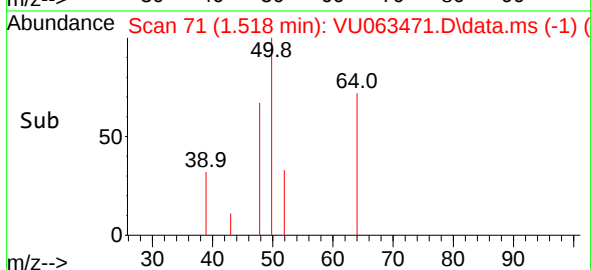
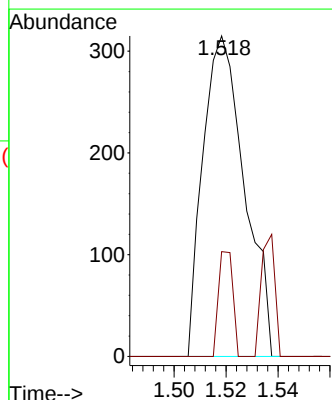
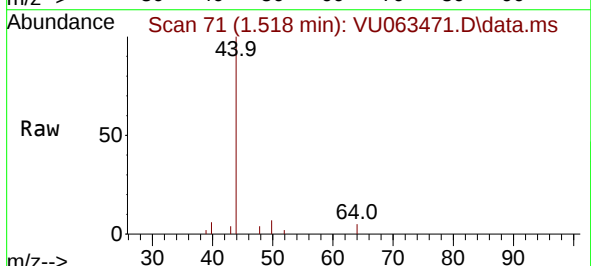
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

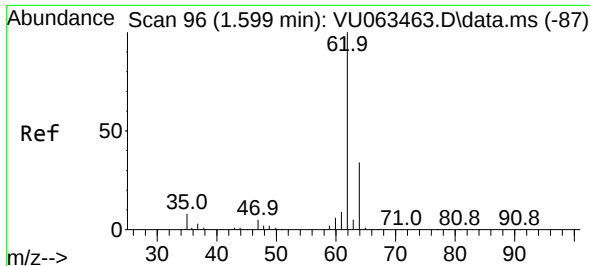
Tgt Ion:168 Resp: 126451
Ion Ratio Lower Upper
168 100
99 65.1 47.7 71.5



#3
Chloromethane
Concen: 0.287 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 50 Resp: 351
Ion Ratio Lower Upper
50 100
52 32.7 25.8 38.8

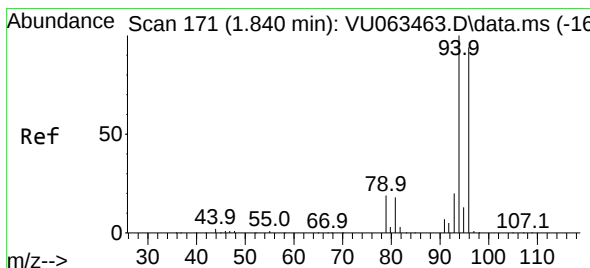
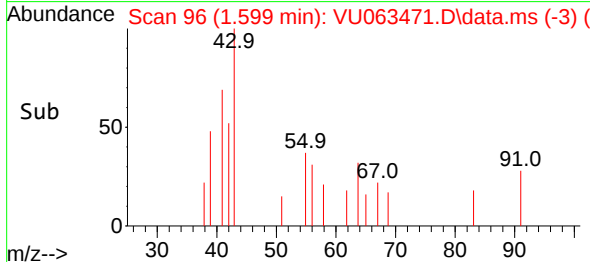
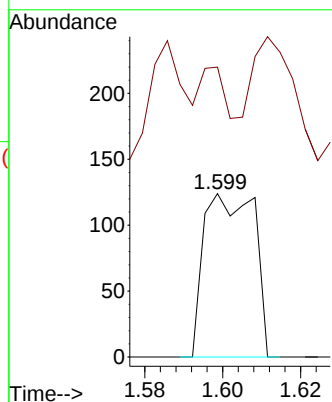
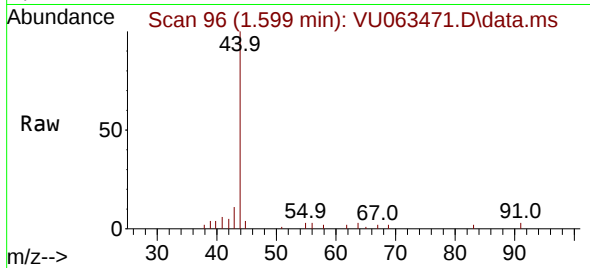




#4
 Vinyl Chloride
 Concen: 0.082 ug/l
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

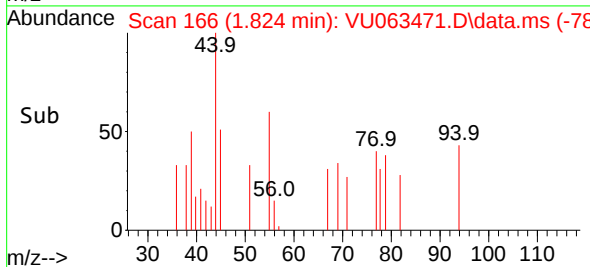
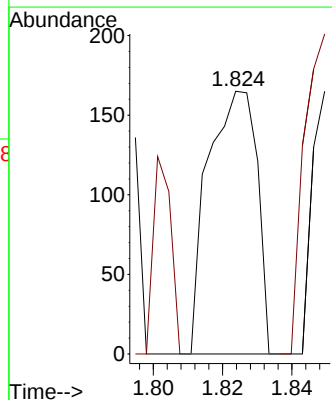
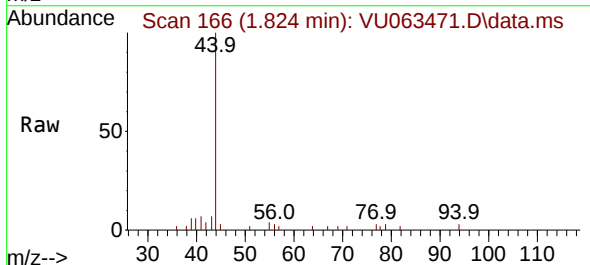
Instrument :
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 ClientSampleId :
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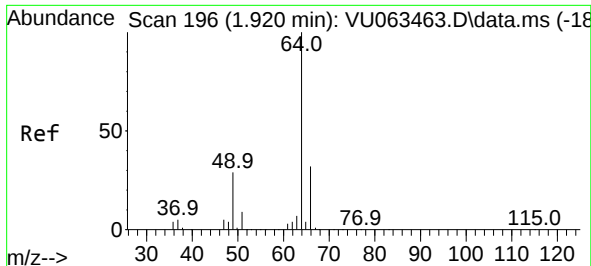
Tgt Ion: 62 Resp: 111
 Ion Ratio Lower Upper
 62 100
 64 10.5 26.9 40.3#



#5
 Bromomethane
 Concen: 0.170 ug/l
 RT: 1.824 min Scan# 166
 Delta R.T. -0.016 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

Tgt Ion: 94 Resp: 162
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.5 113.3#

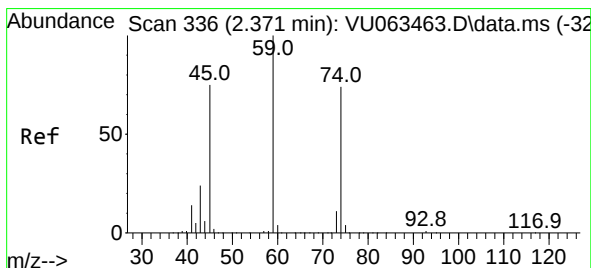
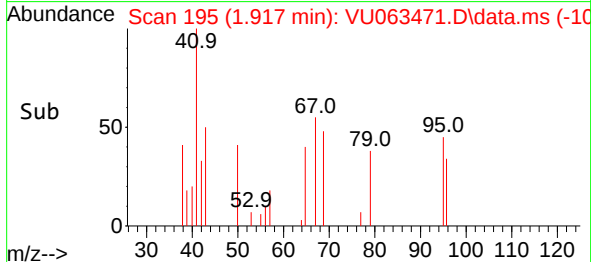
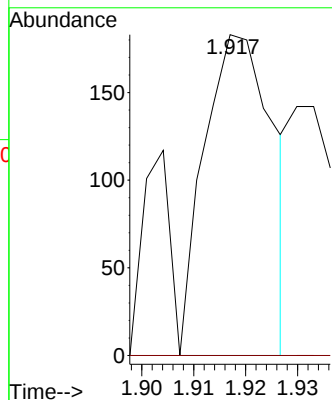
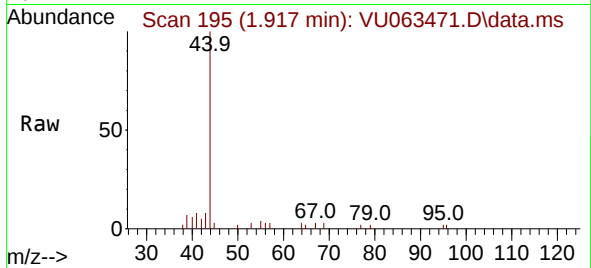




#6
Chloroethane
Concen: 0.171 ug/l
RT: 1.917 min Scan# 195
Delta R.T. -0.003 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

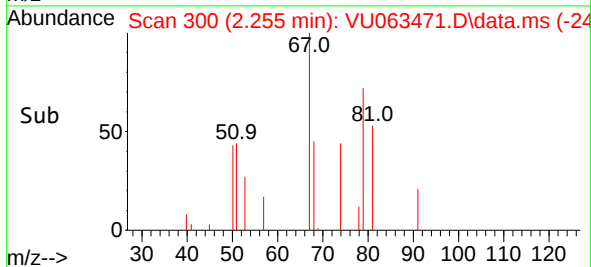
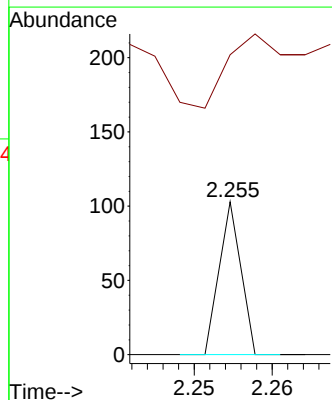
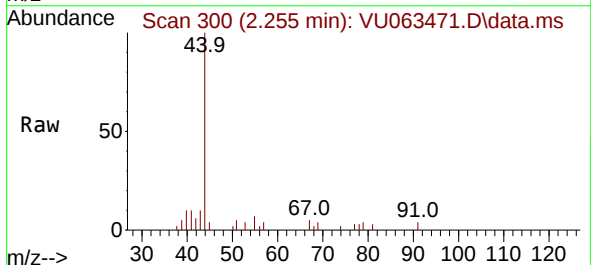
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ClientSampleId :
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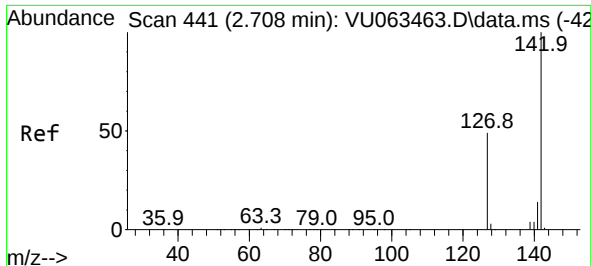
Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#8
Diethyl Ether
Concen: 0.022 ug/l
RT: 2.255 min Scan# 300
Delta R.T. -0.116 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

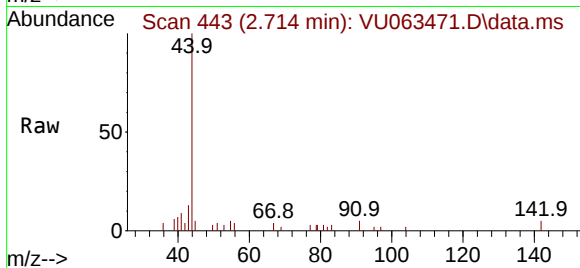
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 120.0 49.7 149.1



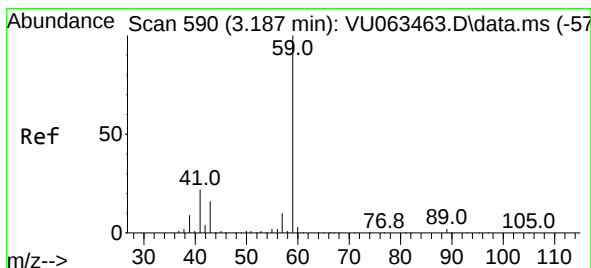
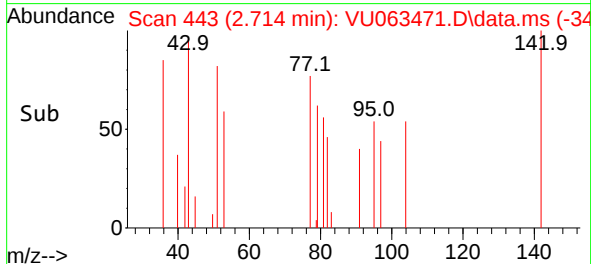
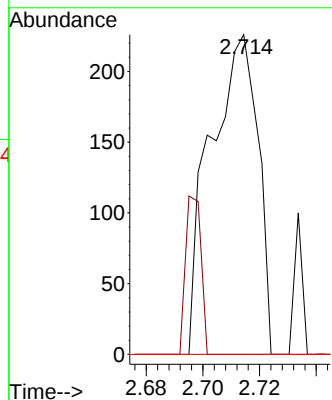


#10
Methyl Iodide
Concen: 0.194 ug/l
RT: 2.714 min Scan# 441
Delta R.T. 0.006 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

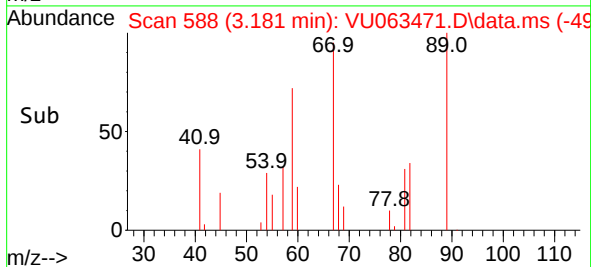
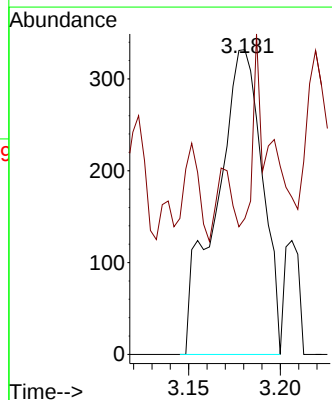
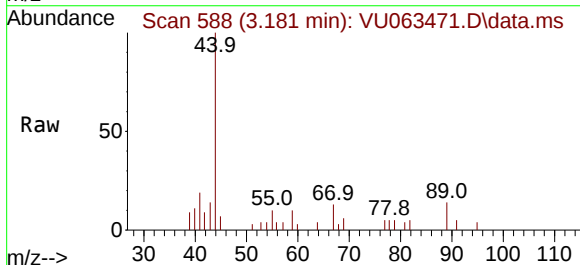


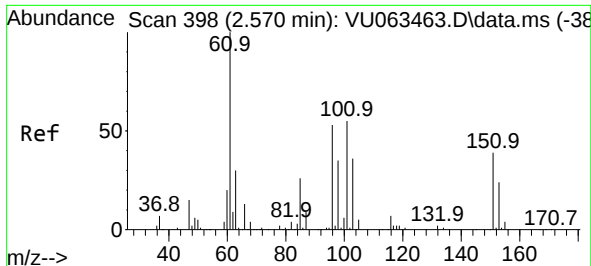
Tgt Ion:142 Resp: 262
Ion Ratio Lower Upper
142 100
127 16.0 38.2 57.4#
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 1.070 ug/l
RT: 3.181 min Scan# 588
Delta R.T. -0.007 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 59 Resp: 579
Ion Ratio Lower Upper
59 100
57 26.6 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 0.113 ug/l

RT: 2.570 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL03

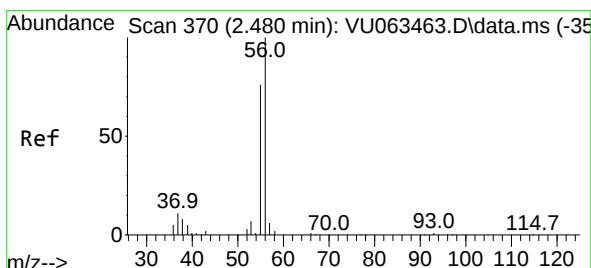
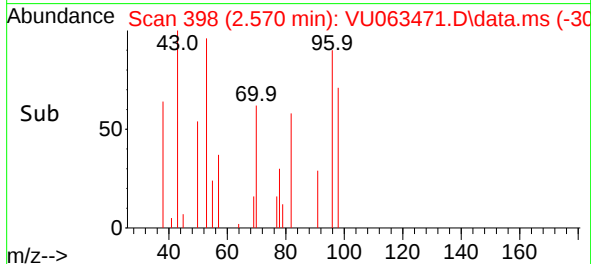
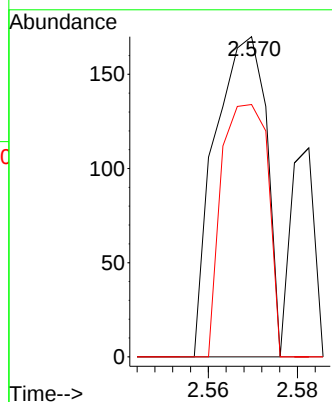
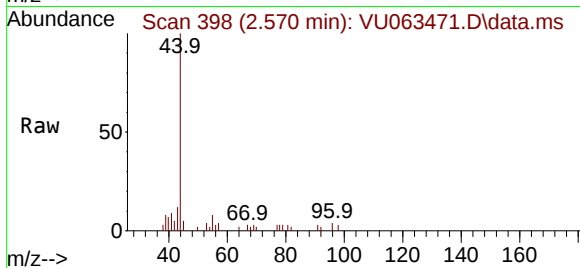
Tgt Ion: 96 Resp: 136

Ion Ratio Lower Upper

96 100

61 0.0 149.6 224.4#

98 78.8 52.0 78.0#



#13

Acrolein

Concen: 5.095 ug/l

RT: 2.483 min Scan# 371

Delta R.T. 0.003 min

Lab File: VU063471.D

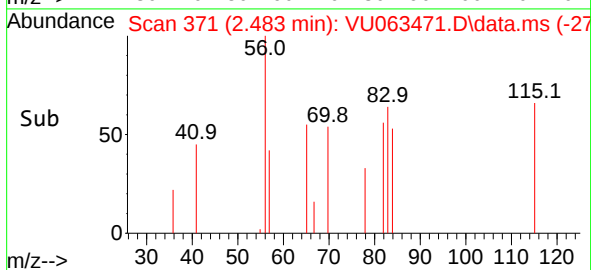
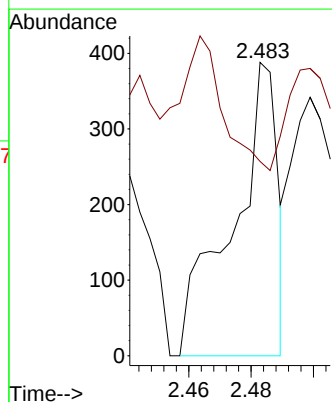
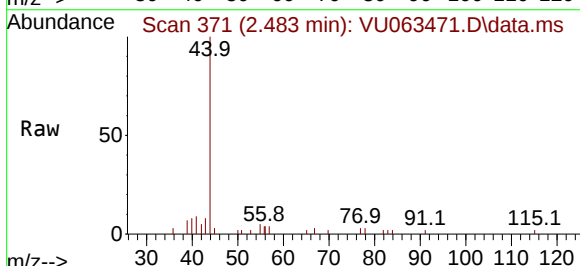
Acq: 10 Jul 2025 11:06

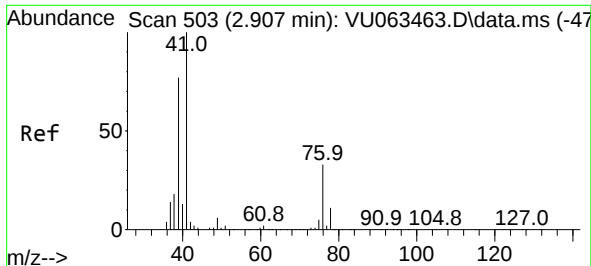
Tgt Ion: 56 Resp: 389

Ion Ratio Lower Upper

56 100

55 41.9 60.2 90.2#

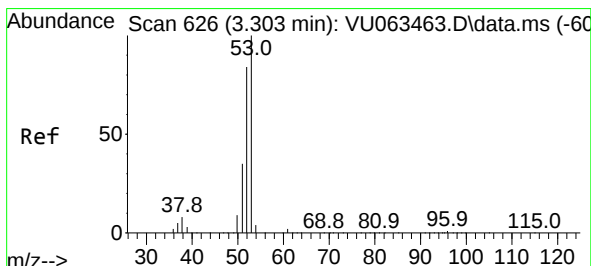
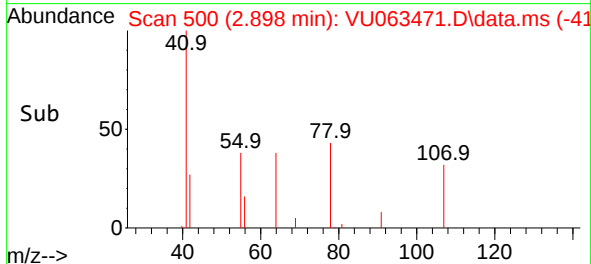
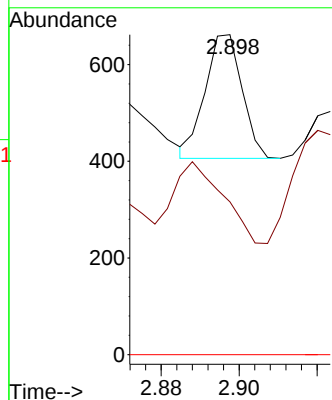
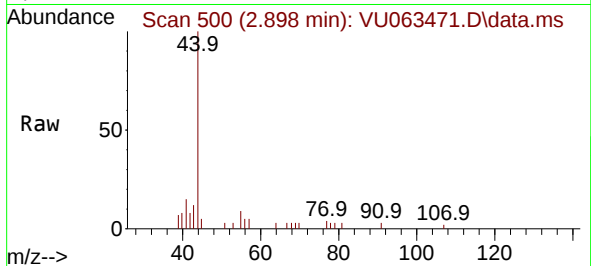




#14
 Allyl chloride
 Concen: 0.059 ug/l
 RT: 2.898 min Scan# 500
 Delta R.T. -0.010 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

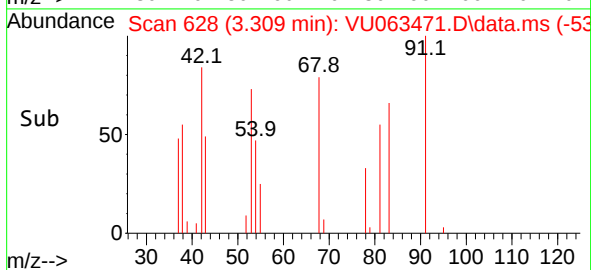
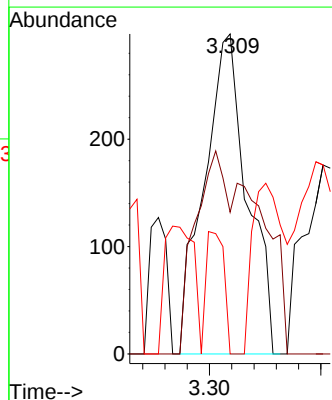
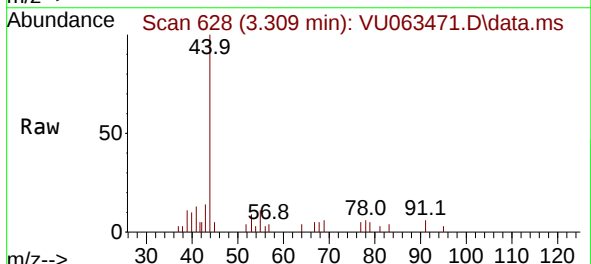
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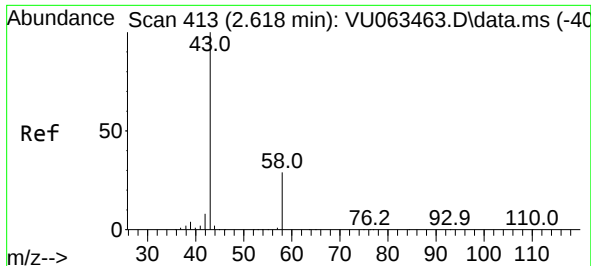
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 Ion Ratio Lower Upper
 41 100
 39 87.0 53.9 80.9#
 76 0.0 23.1 34.7#



#15
 Acrylonitrile
 Concen: 0.346 ug/l
 RT: 3.309 min Scan# 628
 Delta R.T. 0.006 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

Tgt Ion: 53 Resp: 401
 Ion Ratio Lower Upper
 53 100
 52 48.6 65.0 97.4#
 51 15.7 28.8 43.2#





#16

Acetone

Concen: 0.421 ug/l

RT: 2.615 min Scan# 412

Delta R.T. -0.003 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

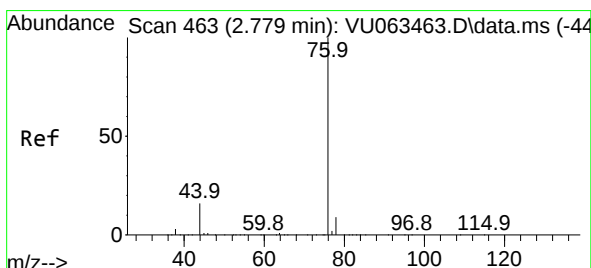
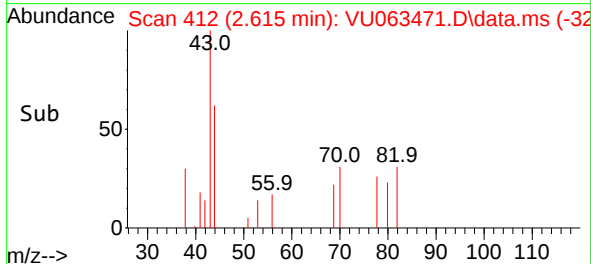
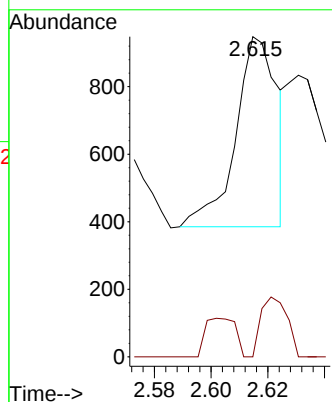
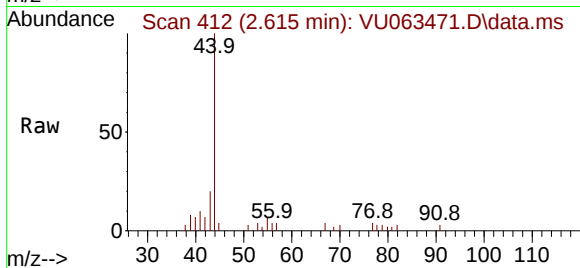
VU0710WBL03

Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



#17

Carbon Disulfide

Concen: 0.274 ug/l

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063471.D

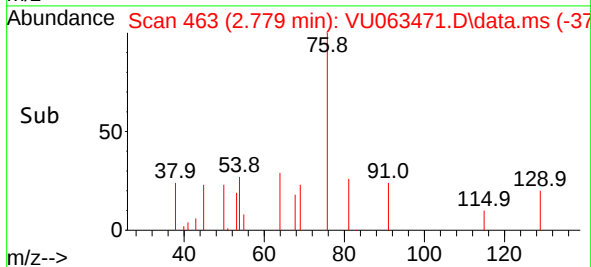
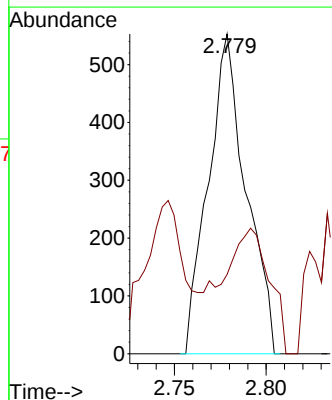
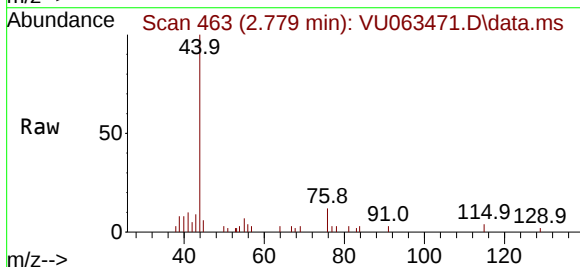
Acq: 10 Jul 2025 11:06

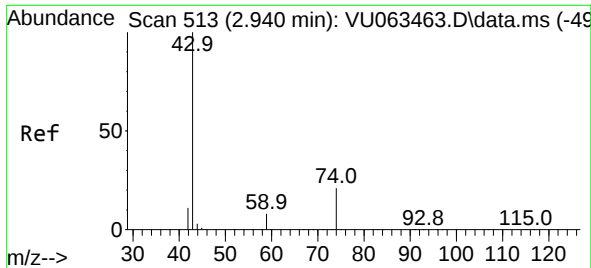
Tgt Ion: 76 Resp: 790

Ion Ratio Lower Upper

76 100

78 6.1 7.5 11.3#

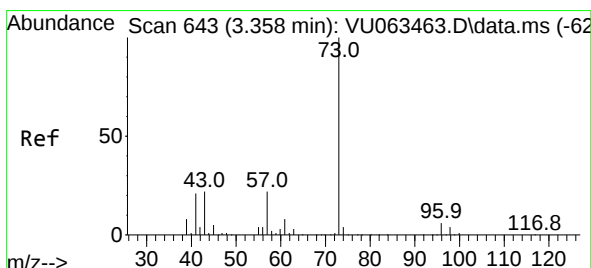
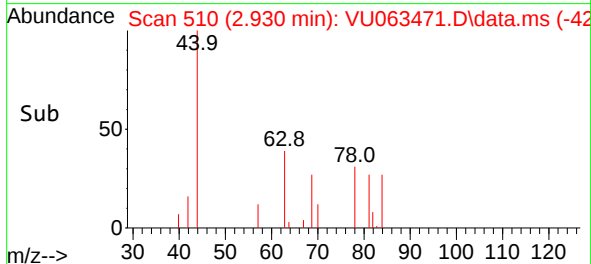
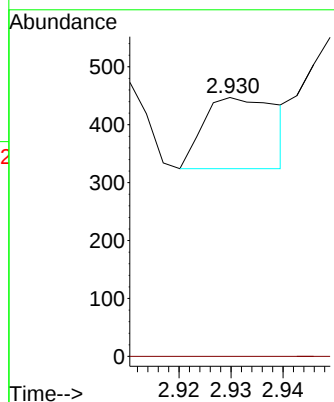
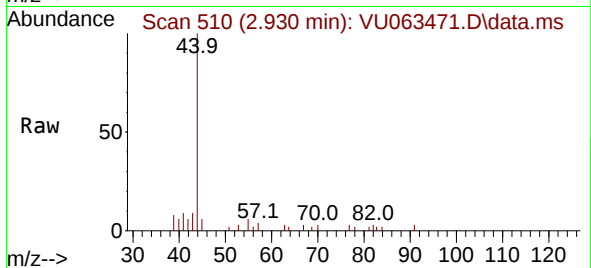




#18
Methyl Acetate
Concen: 0.035 ug/l
RT: 2.930 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

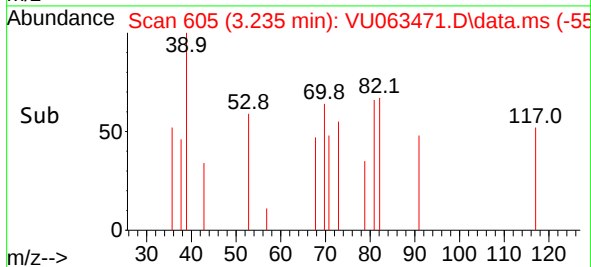
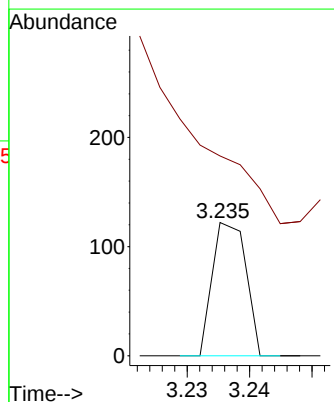
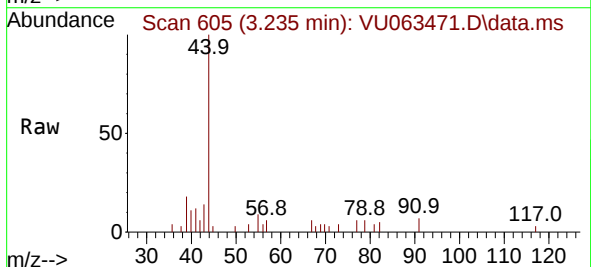
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

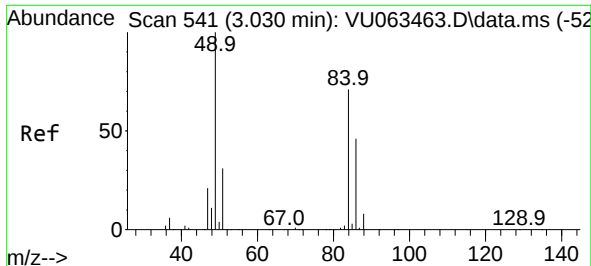
Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#19
Methyl tert-butyl Ether
Concen: 0.009 ug/l
RT: 3.235 min Scan# 605
Delta R.T. -0.123 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

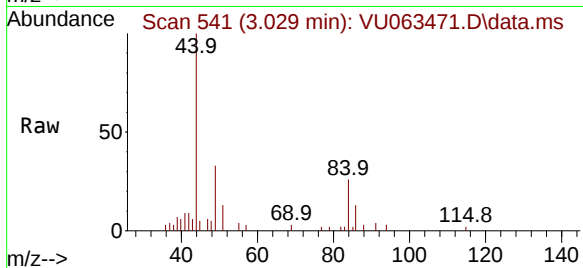
Tgt Ion: 73 Resp: 46
Ion Ratio Lower Upper
73 100
57 50.8 17.8 26.6#



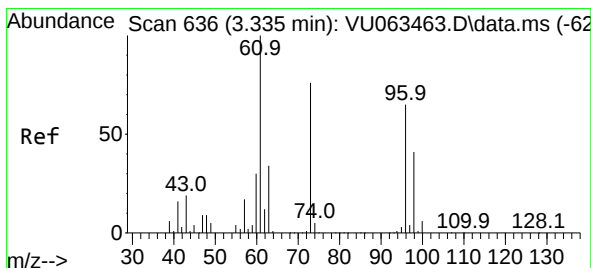
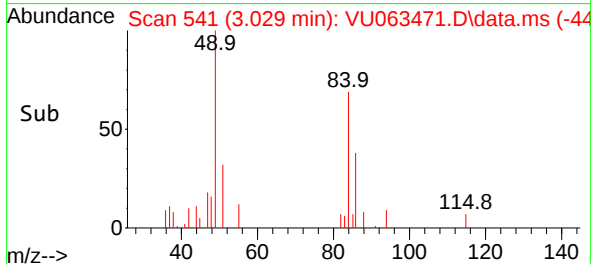
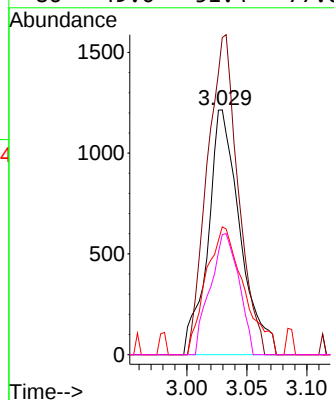


#20
Methylene Chloride
Concen: 1.142 ug/l
RT: 3.029 min Scan# 541
Delta R.T. -0.001 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

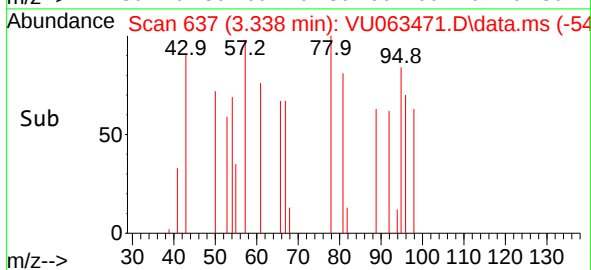
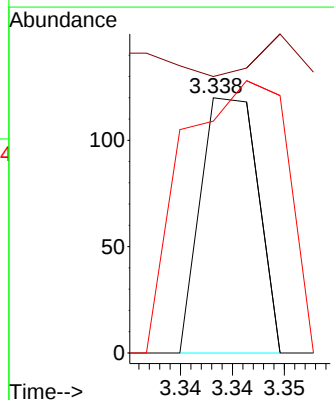
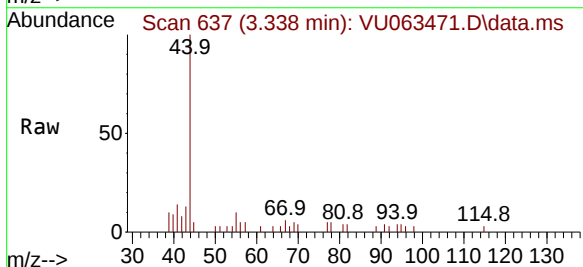


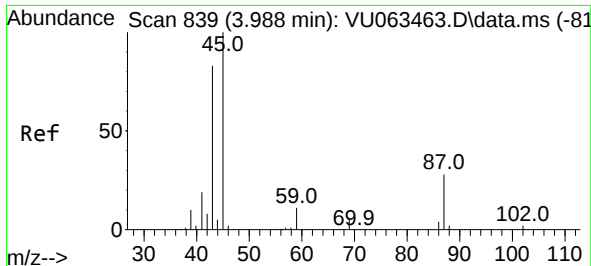
Tgt Ion:	84	Resp:	2254
Ion	Ratio	Lower	Upper
84	100		
49	129.5	112.1	168.1
51	52.2	34.4	51.6#
86	49.0	51.4	77.0#



#21
trans-1,2-Dichloroethene
Concen: 0.035 ug/l
RT: 3.338 min Scan# 637
Delta R.T. 0.003 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion:	96	Resp:	46
Ion	Ratio	Lower	Upper
96	100		
61	0.0	122.2	183.4#
98	3.3	49.9	74.9#

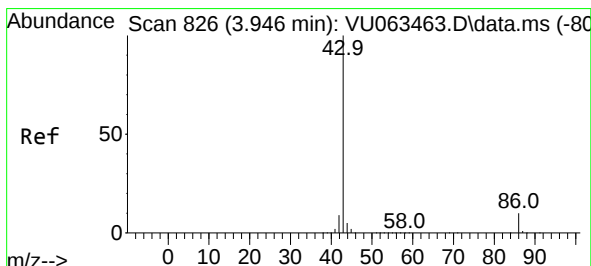
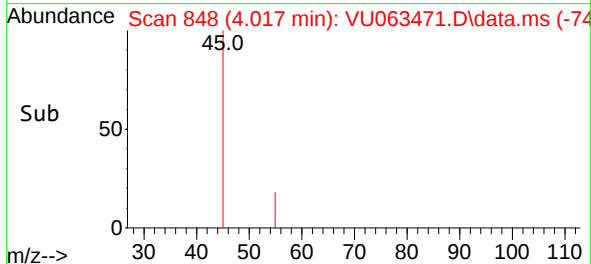
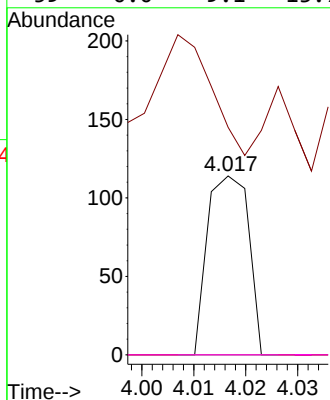
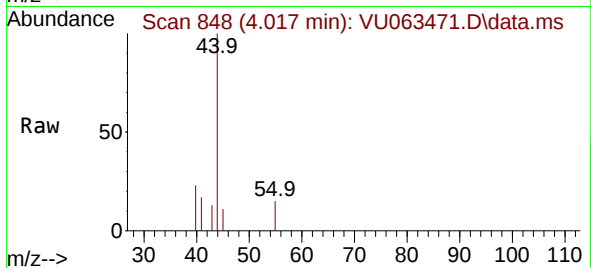




#22
Diisopropyl ether
Concen: 0.013 ug/l
RT: 4.017 min Scan# 84
Delta R.T. 0.029 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

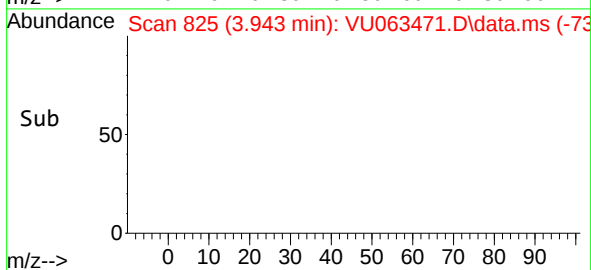
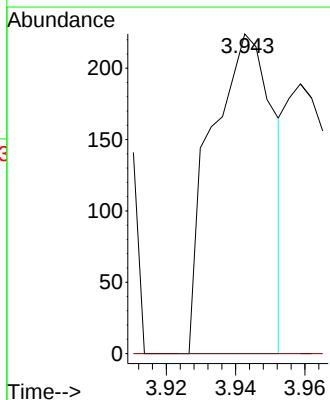
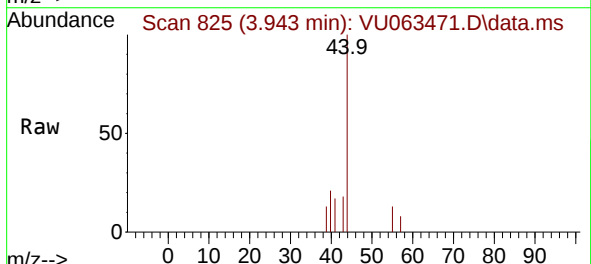
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

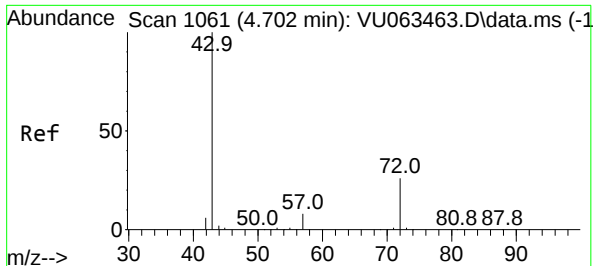
Tgt Ion: 45	Resp: 63
Ion Ratio	Lower Upper
45 100	
43 0.0	66.5 99.7#
87 0.0	22.6 33.8#
59 0.0	9.1 13.7#



#23
Vinyl Acetate
Concen: 0.074 ug/l
RT: 3.943 min Scan# 825
Delta R.T. -0.003 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 43	Resp: 279		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	8.2	12.2#	





#25

2-Butanone

Concen: 0.145 ug/l

RT: 4.708 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

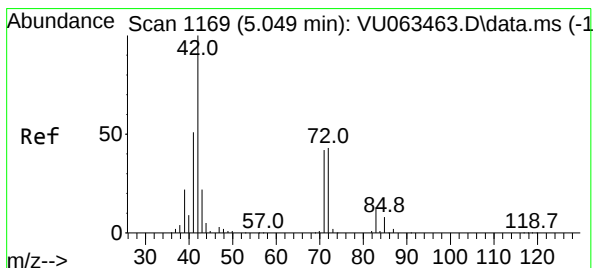
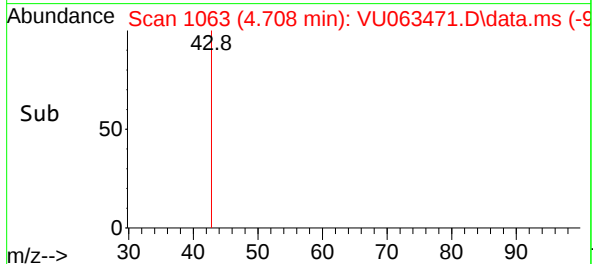
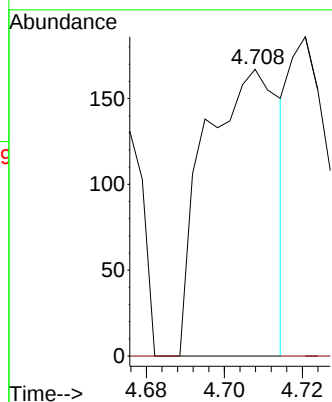
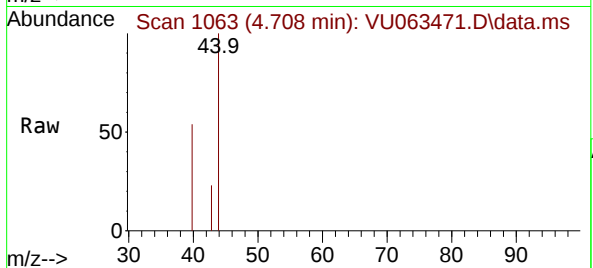
VU0710WBL03

Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#29

Tetrahydrofuran

Concen: 0.083 ug/l

RT: 5.045 min Scan# 1168

Delta R.T. -0.004 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

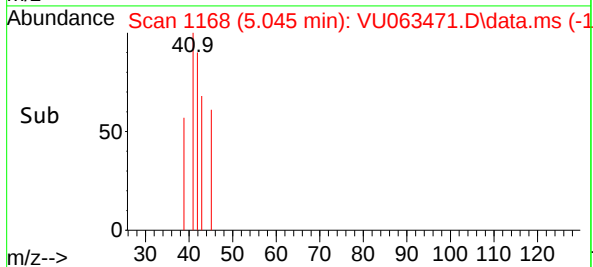
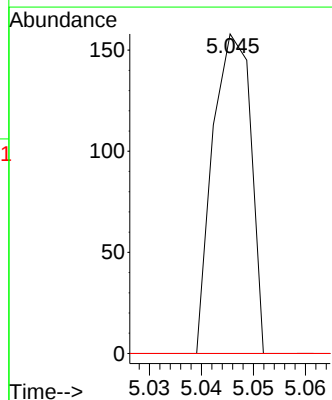
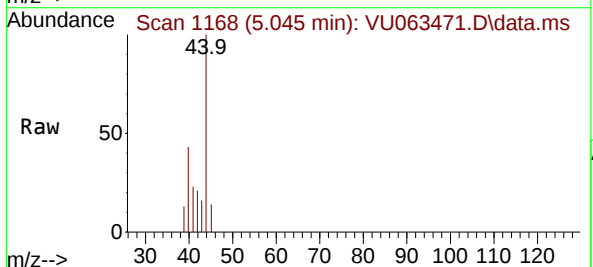
Tgt Ion: 42 Resp: 80

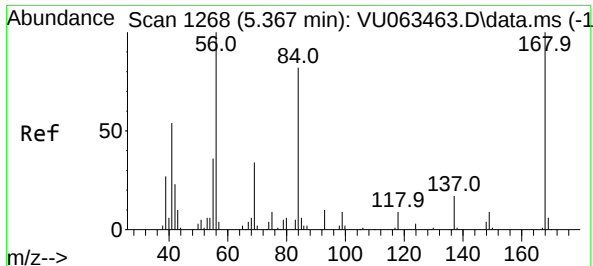
Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

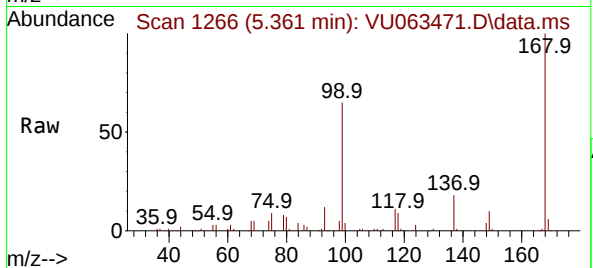
71 0.0 33.3 49.9#



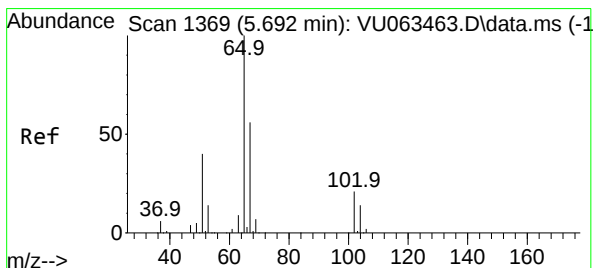
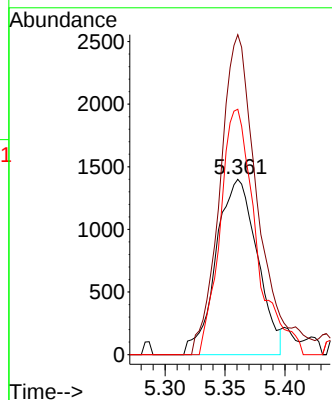
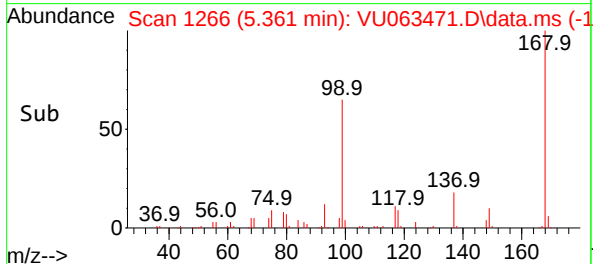


#31
Cyclohexane
Concen: 1.498 ug/l
RT: 5.361 min Scan# 1266
Delta R.T. -0.007 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

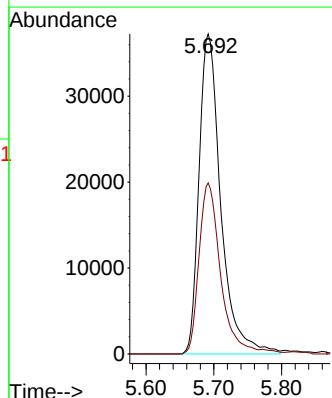
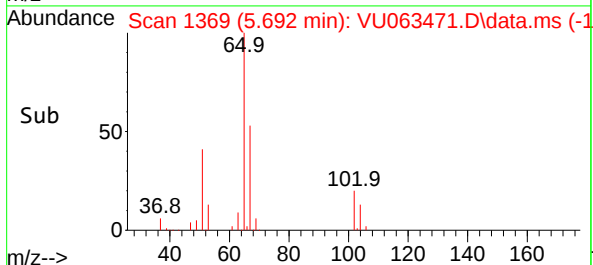
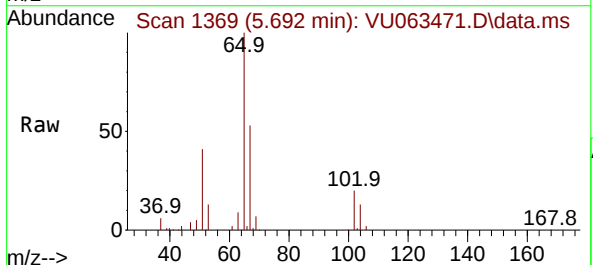


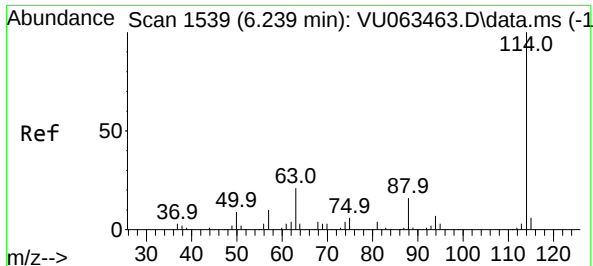
Tgt Ion: 56 Resp: 3341
Ion Ratio Lower Upper
56 100
69 182.5 27.0 40.4#
84 140.0 65.7 98.5#



#33
1,2-Dichloroethane-d4
Concen: 51.442 ug/l
RT: 5.692 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 65 Resp: 82995
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.8

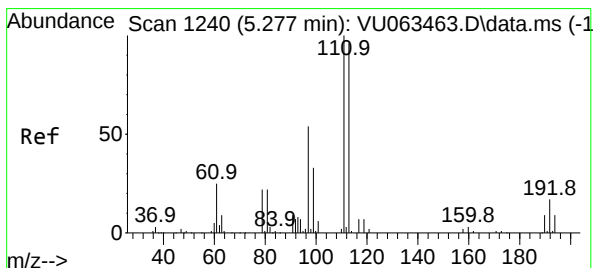
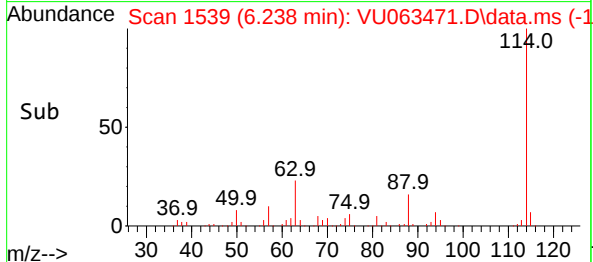
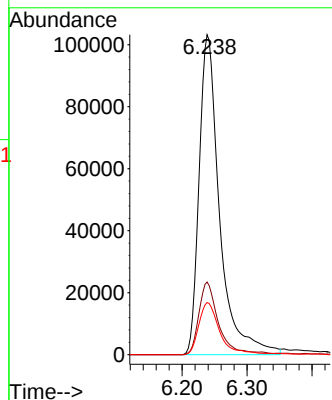
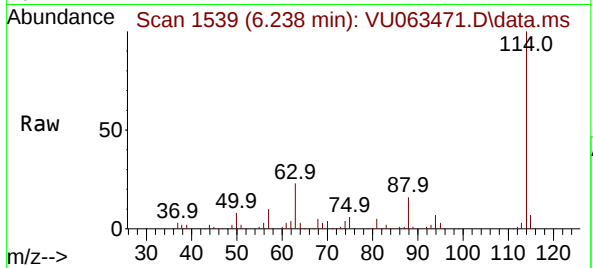




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.238 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

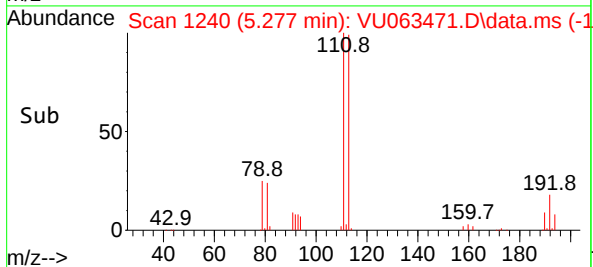
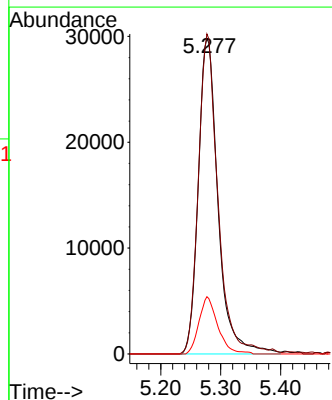
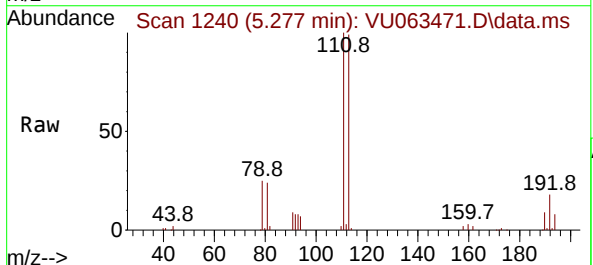
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

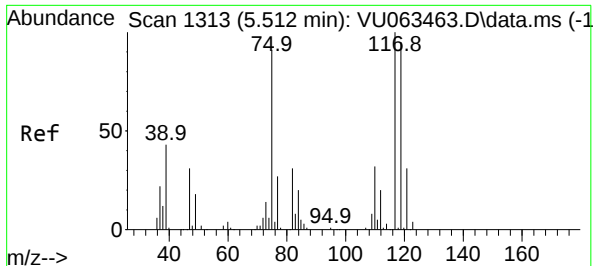
Tgt Ion:114 Resp: 226759
Ion Ratio Lower Upper
114 100
63 22.7 0.0 41.6
88 16.3 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.933 ug/l
RT: 5.277 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion:113 Resp: 68251
Ion Ratio Lower Upper
113 100
111 100.5 82.1 123.1
192 17.3 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.788 ug/l

RT: 5.361 min Scan# 1

Delta R.T. -0.151 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL03

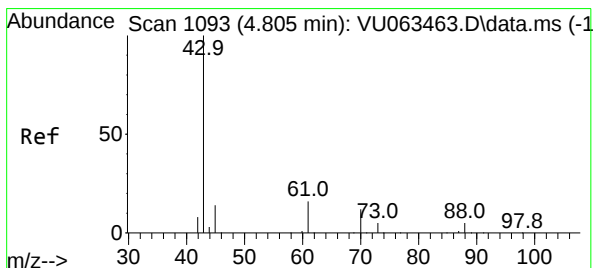
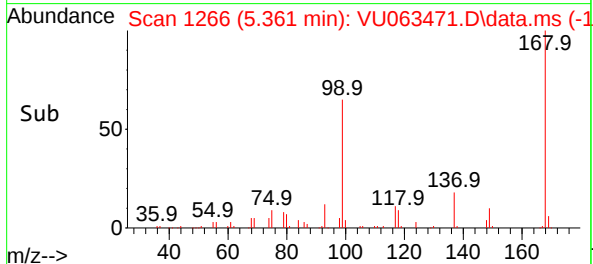
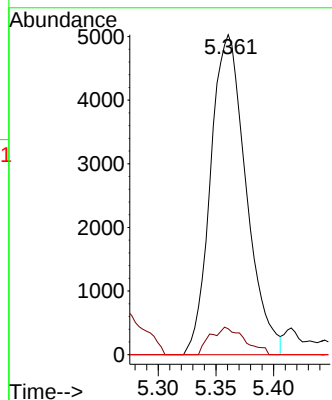
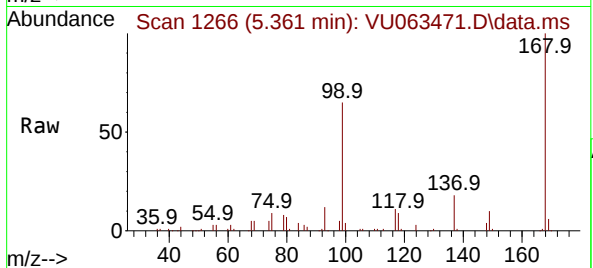
Tgt Ion: 75 Resp: 10750

Ion Ratio Lower Upper

75 100

110 8.3 17.3 52.0#

77 0.0 23.9 35.9#



#37

Ethyl Acetate

Concen: 0.073 ug/l

RT: 4.811 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

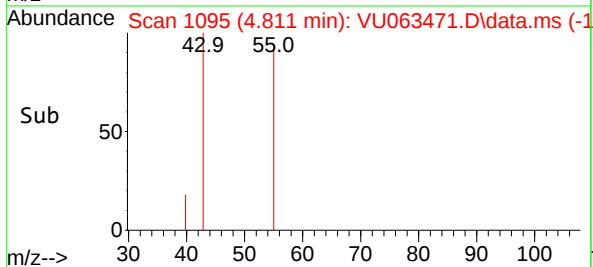
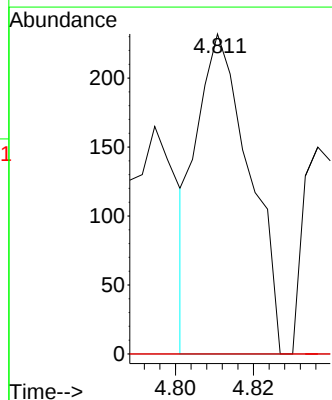
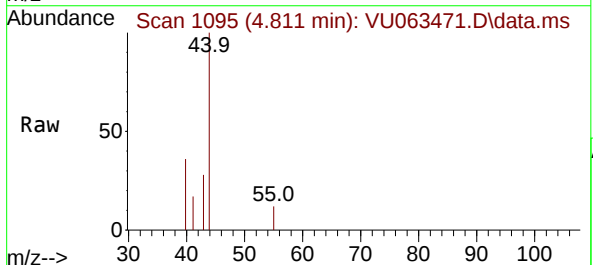
Tgt Ion: 43 Resp: 220

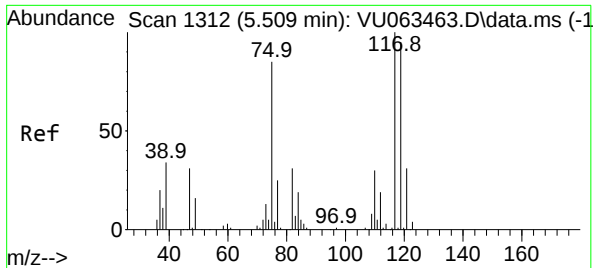
Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 7.8 11.8#

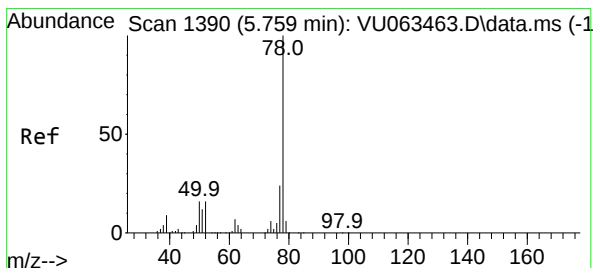
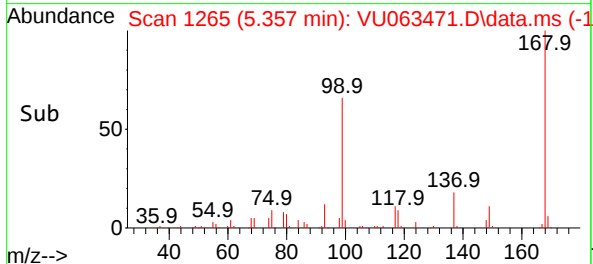
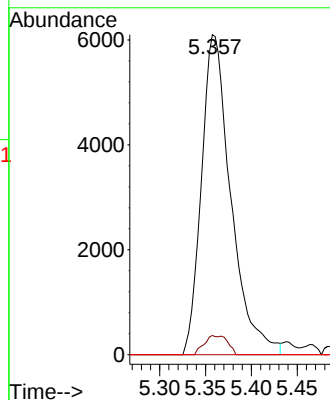
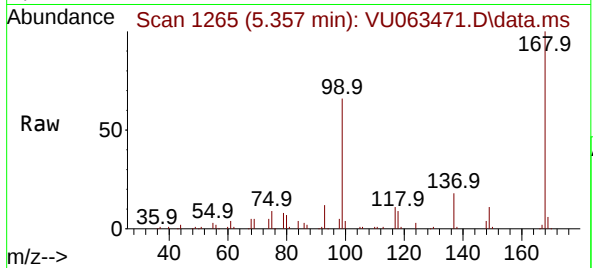




#38
Carbon Tetrachloride
Concen: 6.664 ug/l
RT: 5.357 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

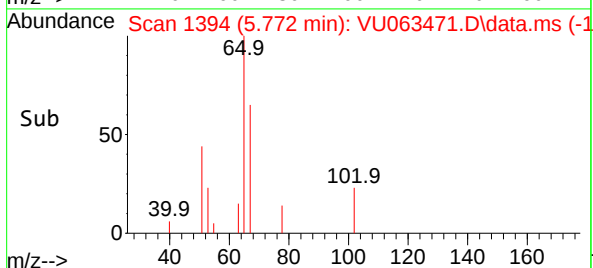
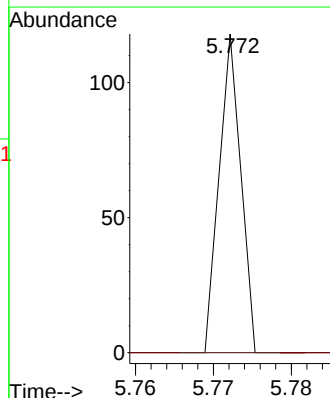
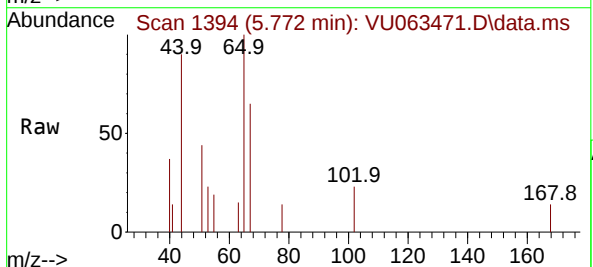
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

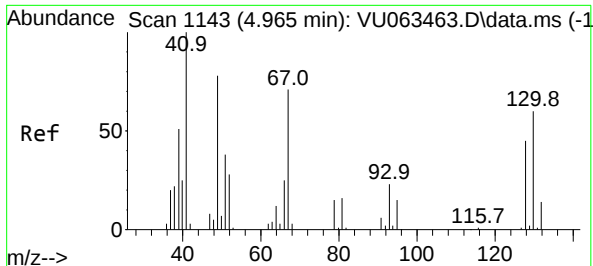
Tgt Ion:117 Resp: 13638
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 25.0 37.4#



#40
Benzene
Concen: 0.004 ug/l
RT: 5.772 min Scan# 1394
Delta R.T. 0.013 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 78 Resp: 23
Ion Ratio Lower Upper
78 100
77 100.0 19.0 28.4#

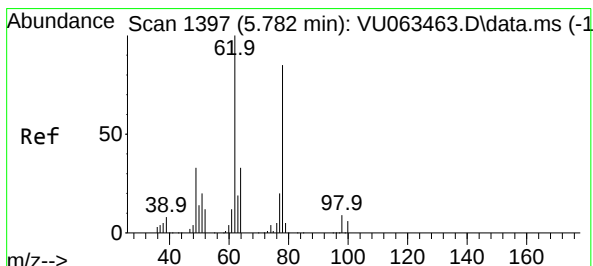
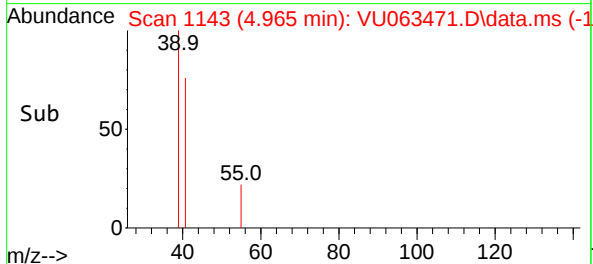
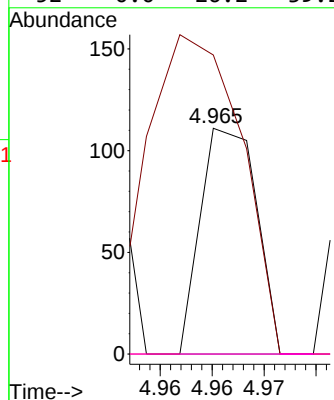
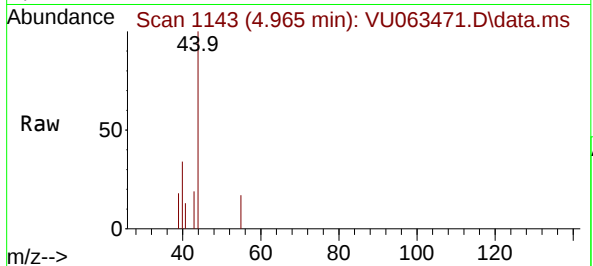




#41
Methacrylonitrile
Concen: 0.030 ug/l
RT: 4.965 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

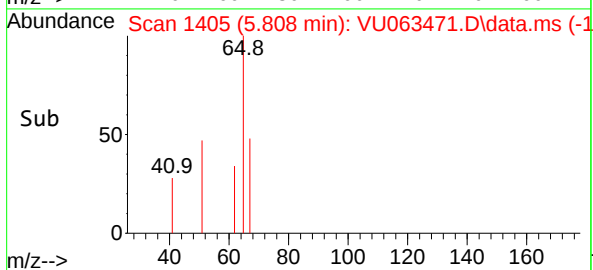
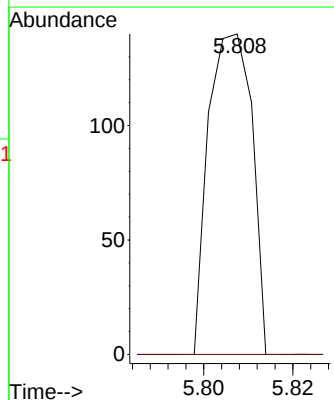
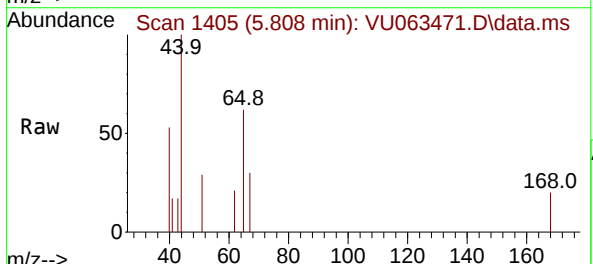
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

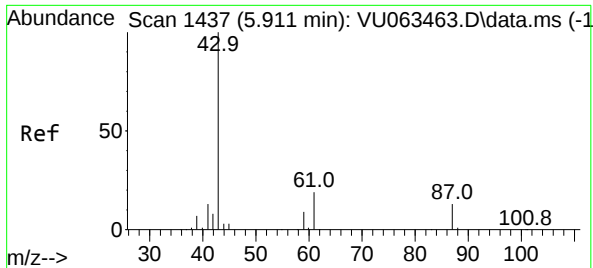
Tgt Ion:	41	Resp:	42
Ion	Ratio	Lower	Upper
41	100		
39	235.7	43.6	65.4#
67	0.0	62.8	94.2#
52	0.0	26.2	39.2#



#42
1,2-Dichloroethane
Concen: 0.044 ug/l
RT: 5.808 min Scan# 1405
Delta R.T. 0.026 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion:	62	Resp:	95
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.6





#43

Isopropyl Acetate

Concen: 0.024 ug/l

RT: 5.910 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL03

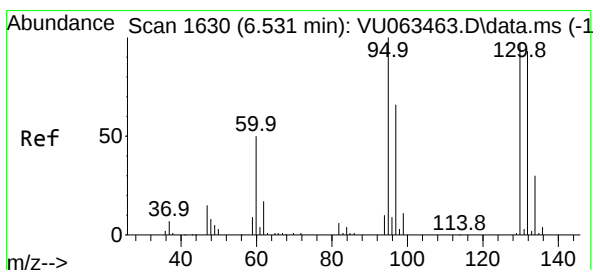
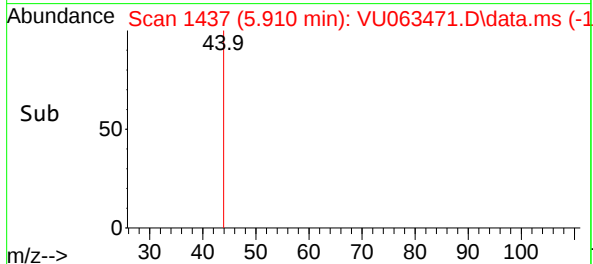
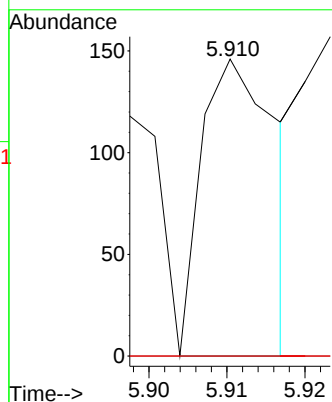
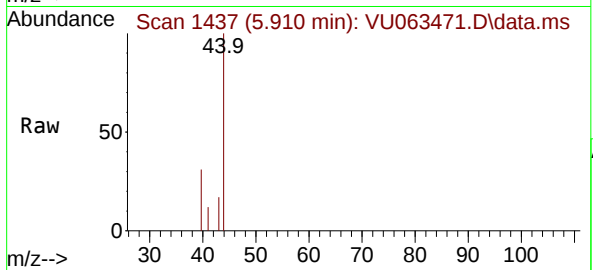
Tgt Ion: 43 Resp: 97

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.2#

87 0.0 10.5 15.7#



#44

Trichloroethene

Concen: 0.012 ug/l

RT: 6.534 min Scan# 1631

Delta R.T. 0.003 min

Lab File: VU063471.D

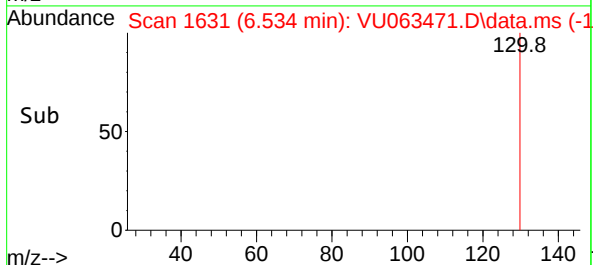
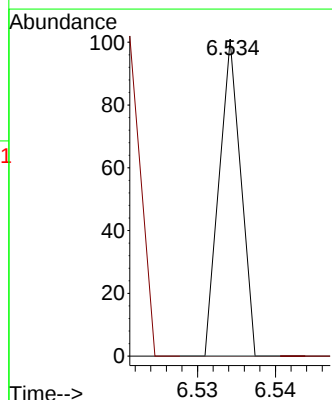
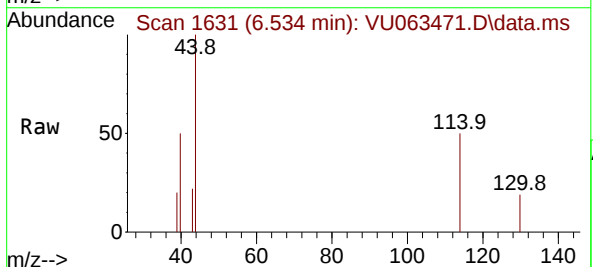
Acq: 10 Jul 2025 11:06

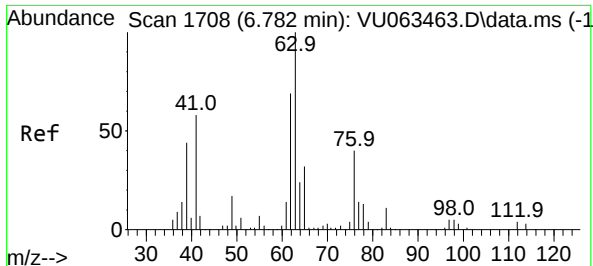
Tgt Ion:130 Resp: 19

Ion Ratio Lower Upper

130 100

95 0.0 0.0 206.4





#45

1,2-Dichloropropane

Concen: 0.012 ug/l

RT: 6.660 min Scan# 1

Delta R.T. -0.122 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

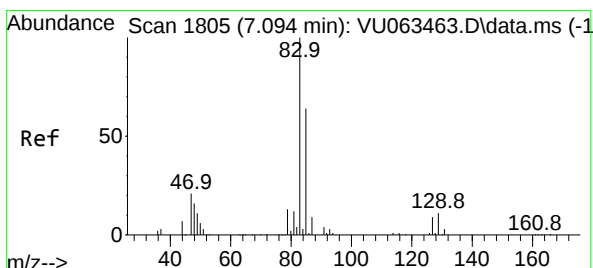
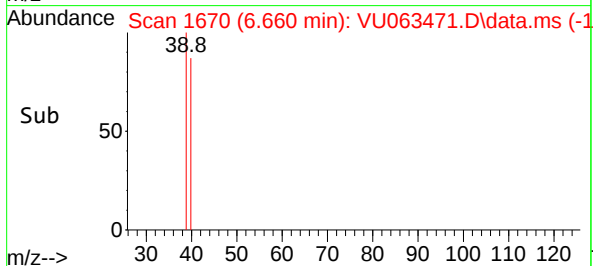
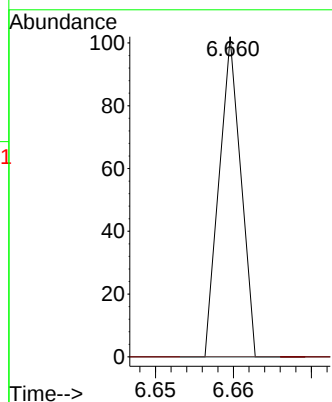
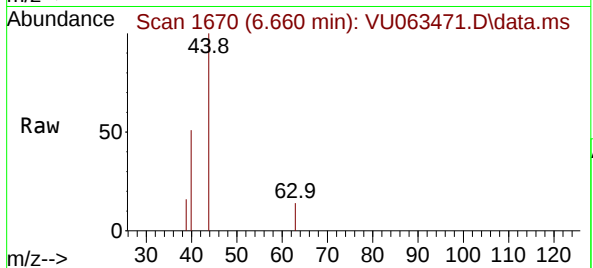
VU0710WBL03

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

65 0.0 25.3 37.9#



#47

Bromodichloromethane

Concen: 0.018 ug/l

RT: 7.100 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

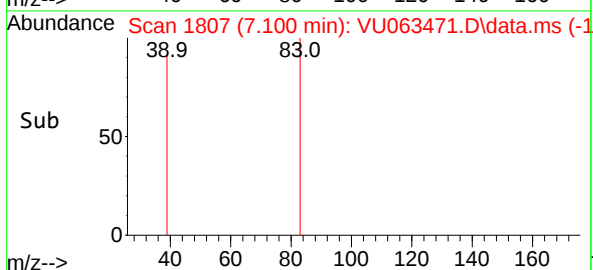
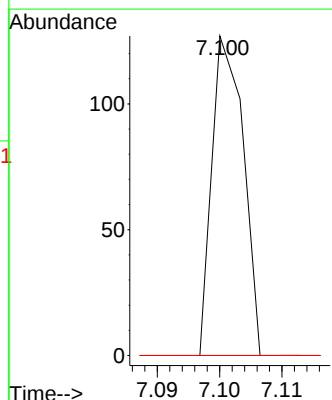
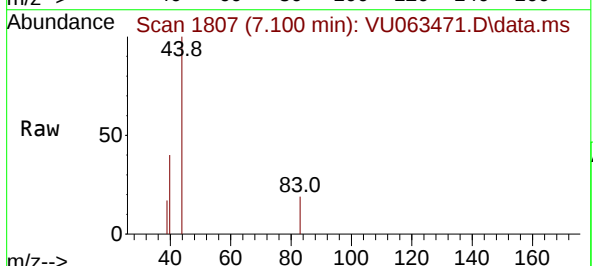
Tgt Ion: 83 Resp: 44

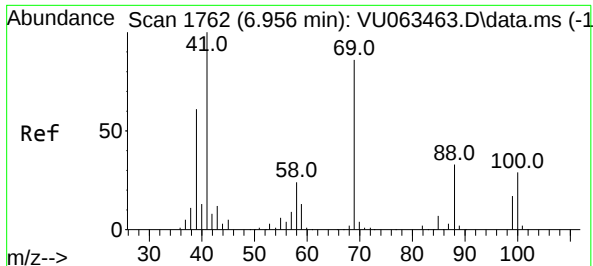
Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.0#

127 0.0 7.0 10.4#





#48

Methyl methacrylate

Concen: 0.191 ug/l

RT: 6.946 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL03

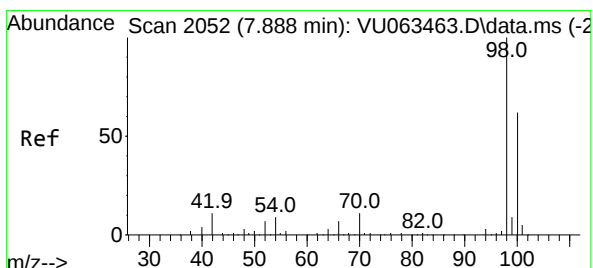
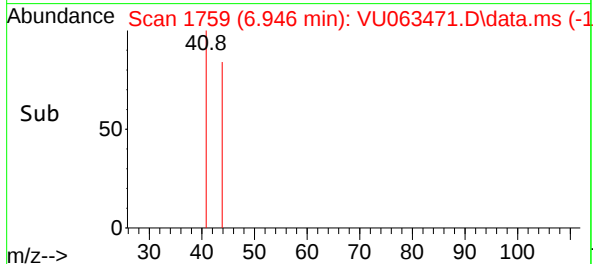
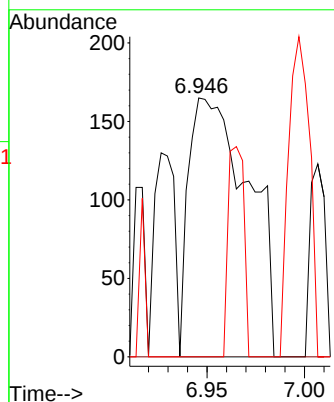
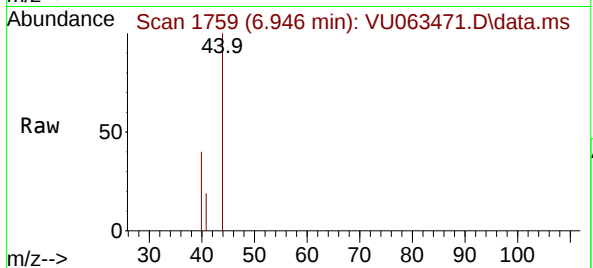
Tgt Ion: 41 Resp: 352

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.8#

39 21.3 48.3 72.5#



#50

Toluene-d8

Concen: 48.476 ug/l

RT: 7.888 min Scan# 2052

Delta R.T. -0.000 min

Lab File: VU063471.D

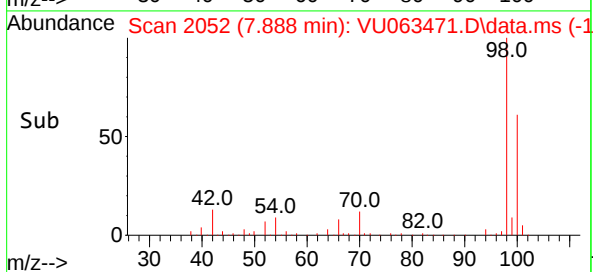
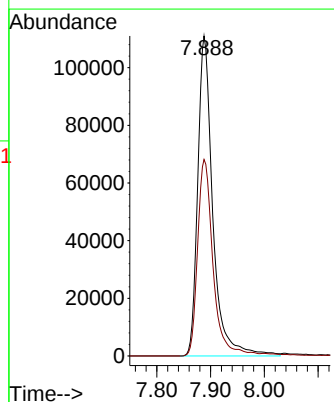
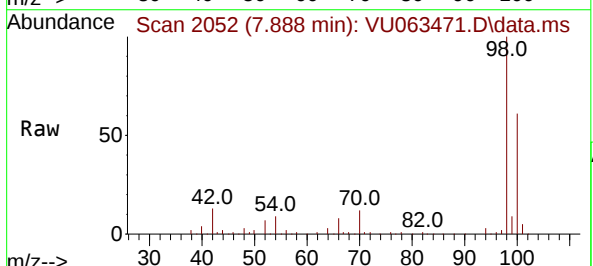
Acq: 10 Jul 2025 11:06

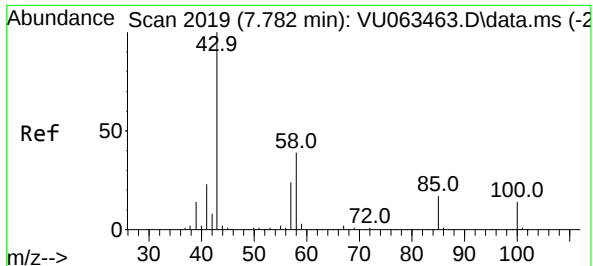
Tgt Ion: 98 Resp: 215985

Ion Ratio Lower Upper

98 100

100 62.8 48.1 72.1





#51

4-Methyl-2-Pentanone

Concen: 0.352 ug/l

RT: 7.820 min Scan# 2019

Delta R.T. 0.038 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

Instrument :

MSVOA_U

ClientSampleId :

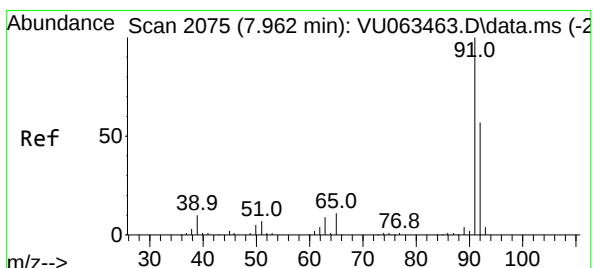
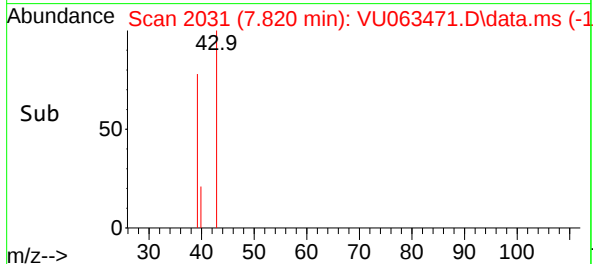
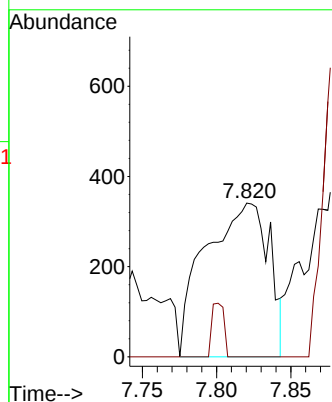
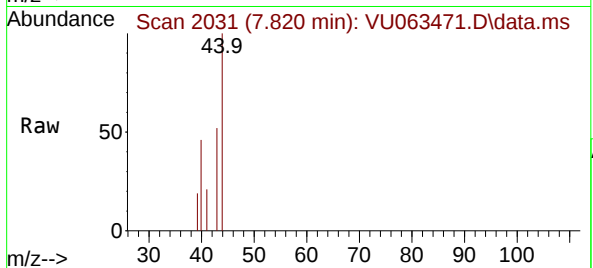
VU0710WBL03

Tgt Ion: 43 Resp: 1017

Ion Ratio Lower Upper

43 100

58 6.6 31.0 46.4#



#52

Toluene

Concen: 0.022 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU063471.D

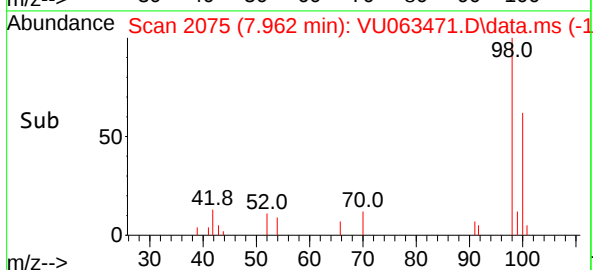
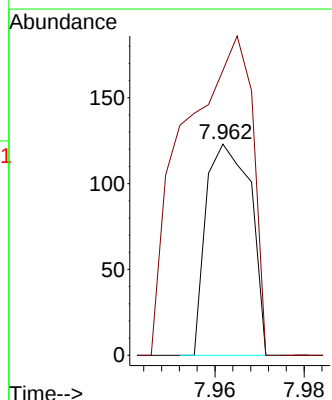
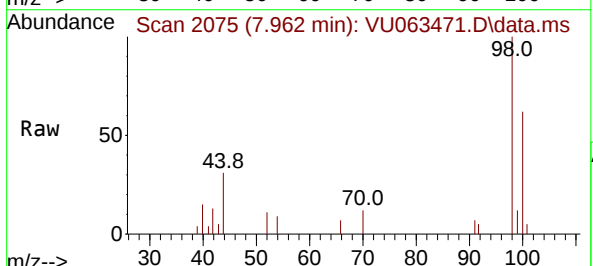
Acq: 10 Jul 2025 11:06

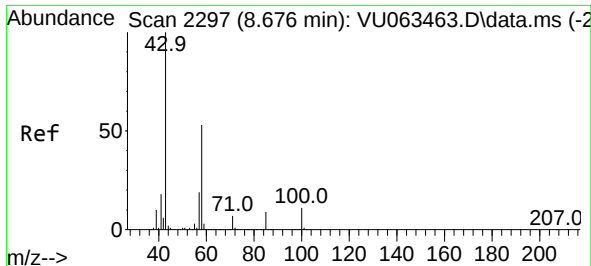
Tgt Ion: 92 Resp: 85

Ion Ratio Lower Upper

92 100

91 234.1 144.5 216.7#

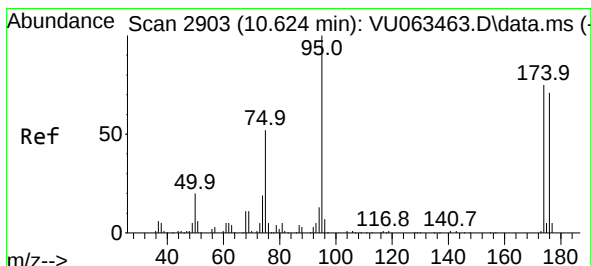
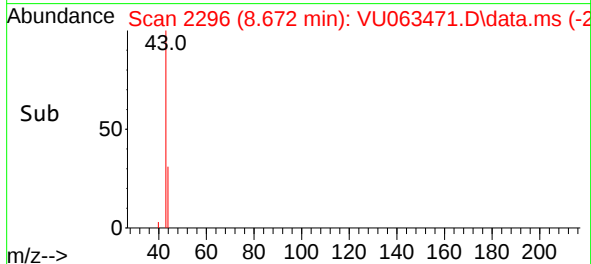
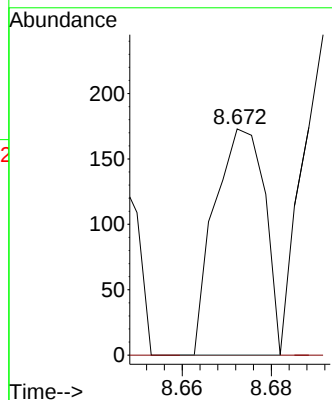
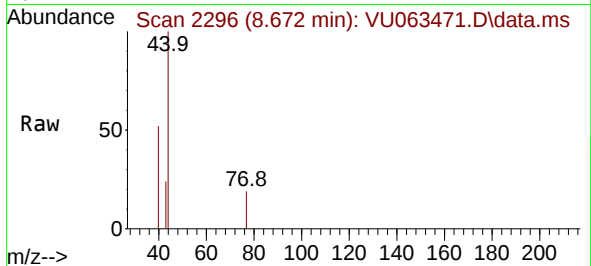




#59
2-Hexanone
Concen: 0.062 ug/l
RT: 8.672 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

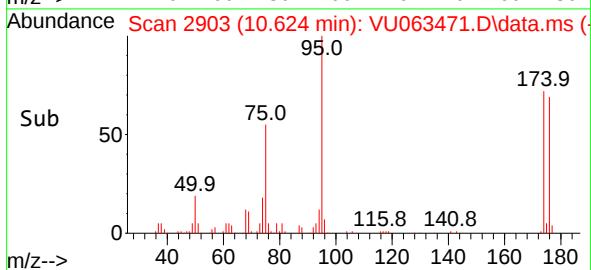
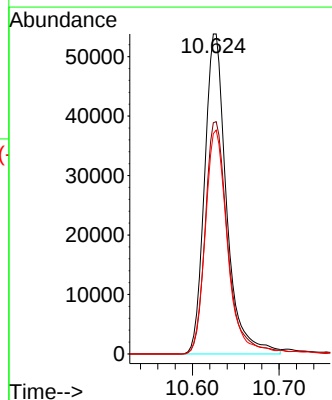
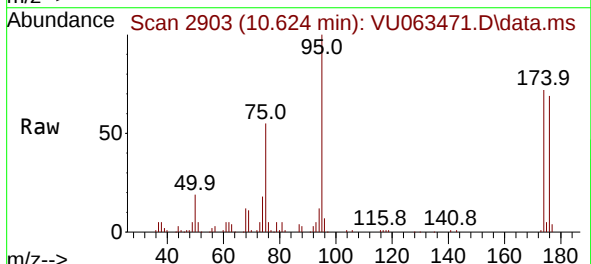
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

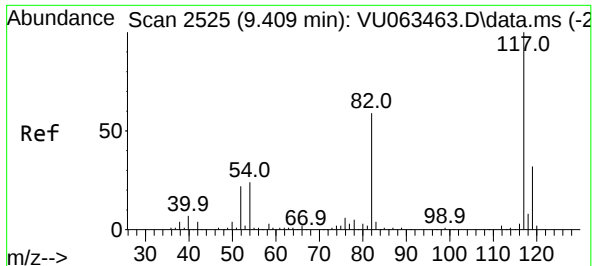
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.637 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 95 Resp: 94787
Ion Ratio Lower Upper
95 100
174 74.6 0.0 153.6
176 70.8 0.0 145.8

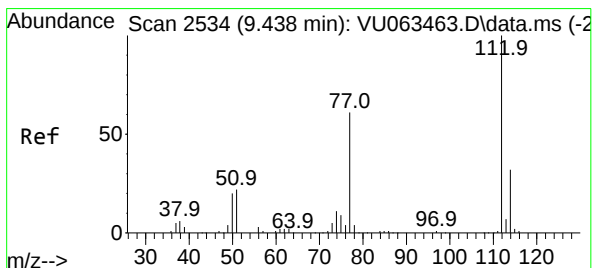
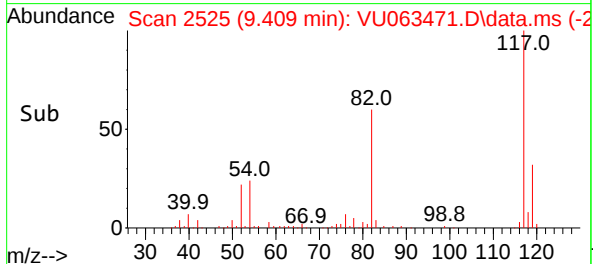
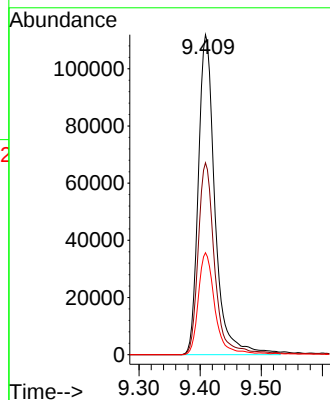
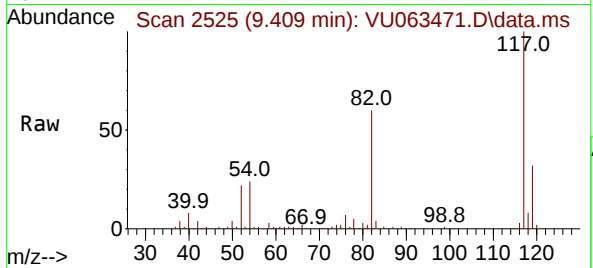




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.409 min Scan# 211936
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

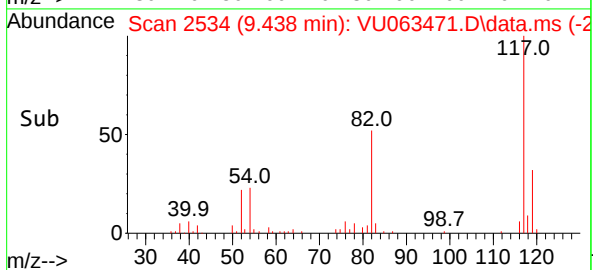
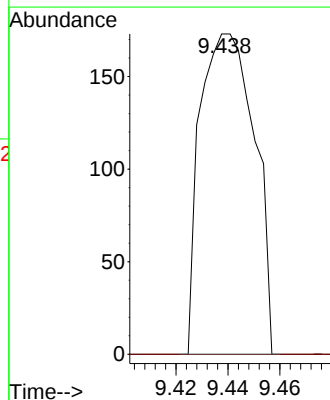
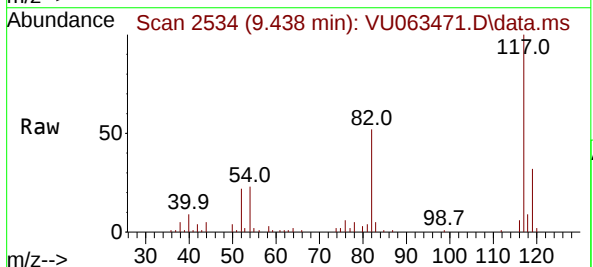
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

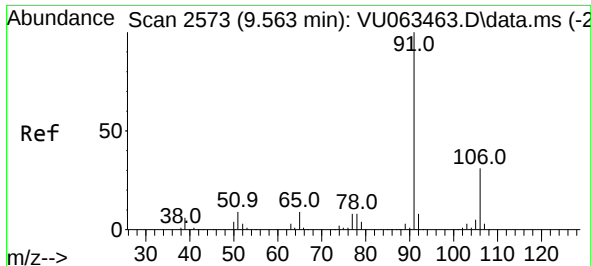
Tgt Ion:117 Resp: 211936
Ion Ratio Lower Upper
117 100
82 60.0 47.1 70.7
119 31.8 25.4 38.0



#65
Chlorobenzene
Concen: 0.057 ug/l
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion:112 Resp: 251
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#

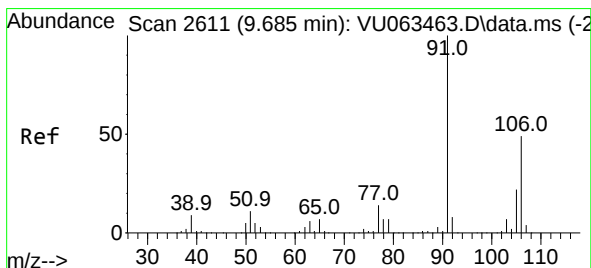
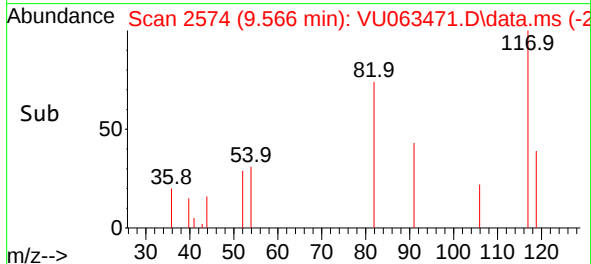
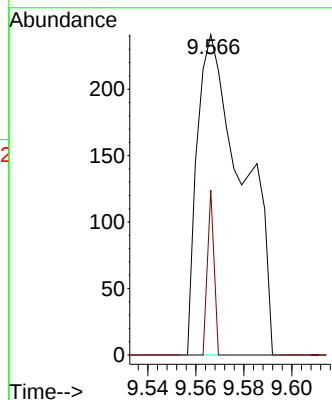
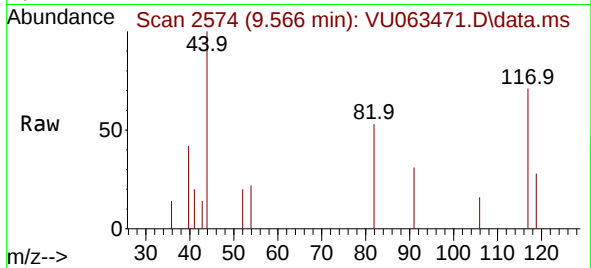




#67
Ethyl Benzene
Concen: 0.042 ug/l
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

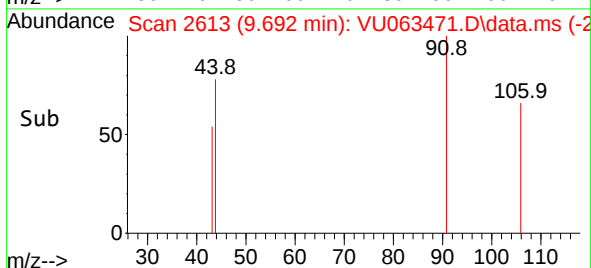
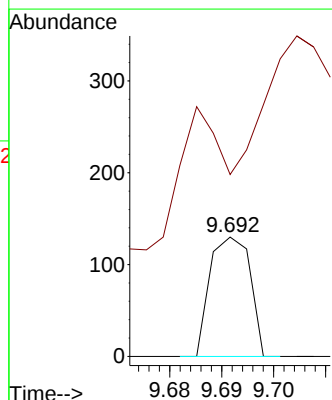
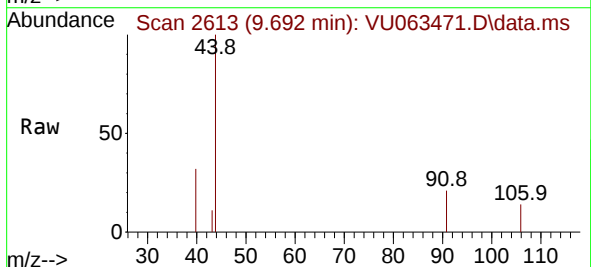
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

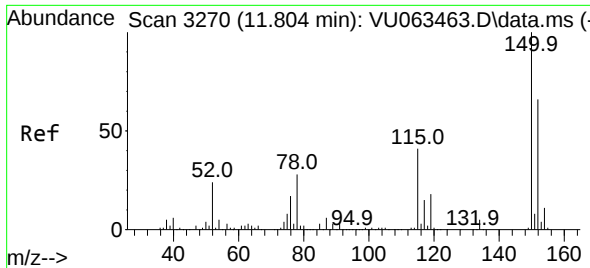
Tgt Ion: 91 Resp: 317
Ion Ratio Lower Upper
91 100
106 51.5 24.5 36.7#



#68
m/p-Xylenes
Concen: 0.024 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 106 Resp: 70
Ion Ratio Lower Upper
106 100
91 354.3 163.6 245.4#

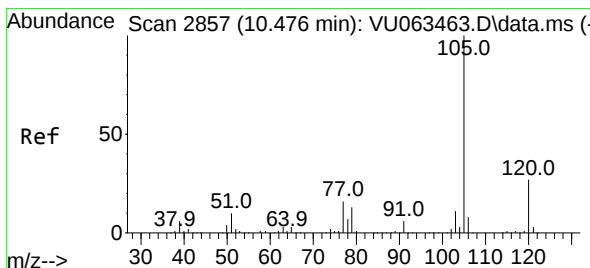
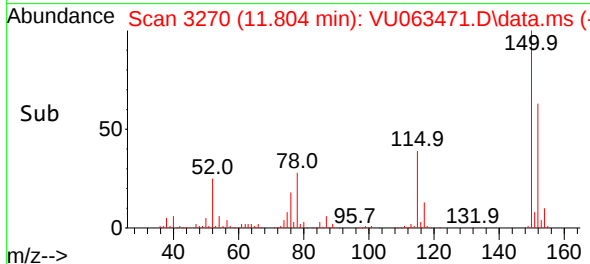
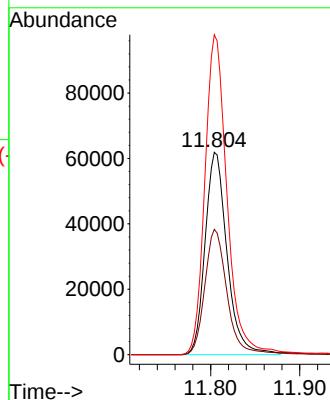
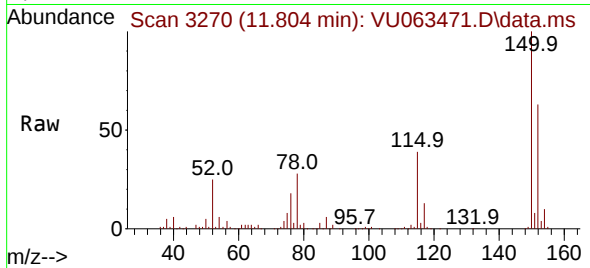




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.804 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

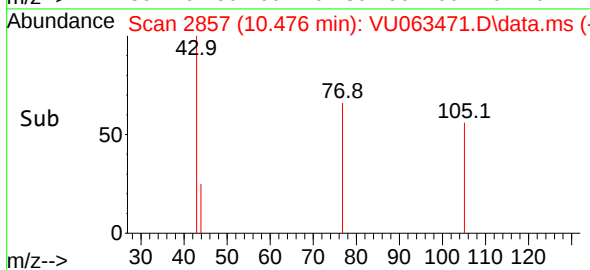
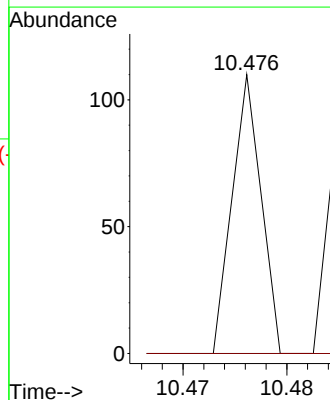
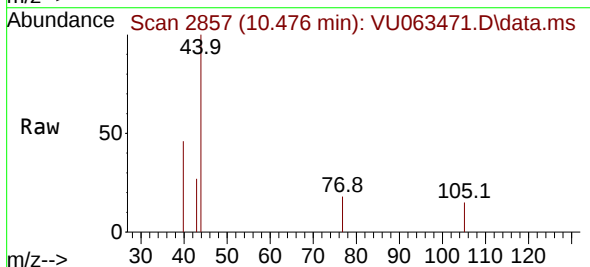
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

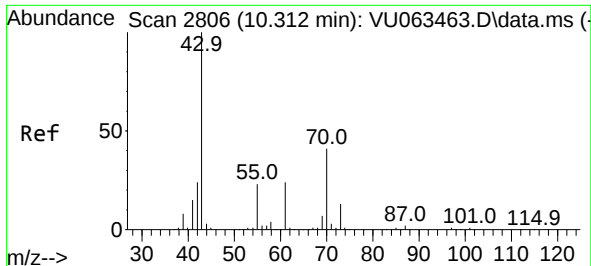
Tgt Ion:152 Resp: 106082
Ion Ratio Lower Upper
152 100
115 62.6 43.4 130.2
150 159.9 0.0 341.4



#73
Isopropylbenzene
Concen: 0.003 ug/l
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion:105 Resp: 21
Ion Ratio Lower Upper
105 100
120 0.0 13.1 39.1#

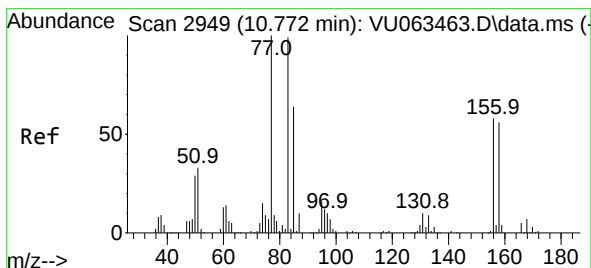
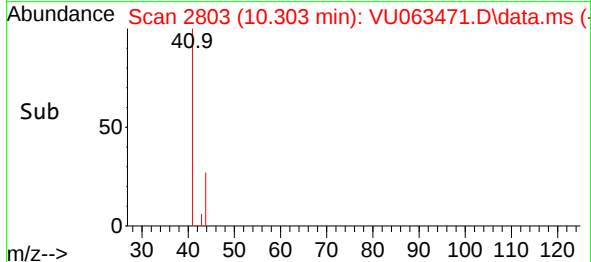
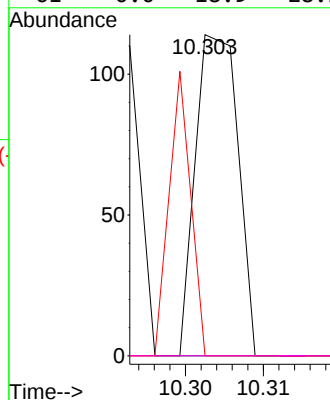
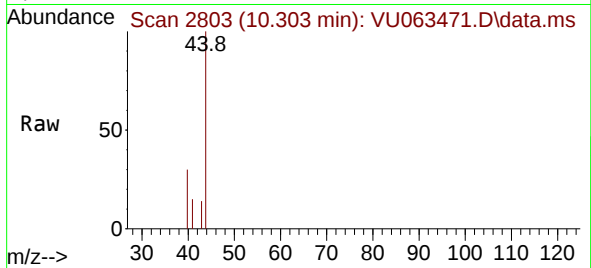




#74
N-amy1 acetate
Concen: 0.013 ug/l
RT: 10.303 min Scan# 2803
Delta R.T. -0.010 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

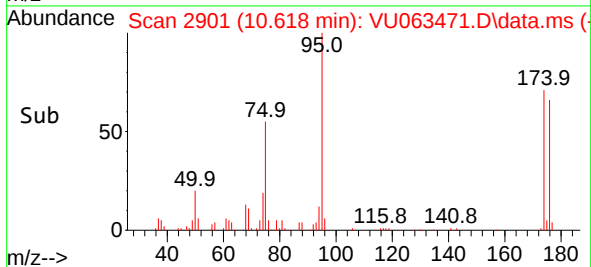
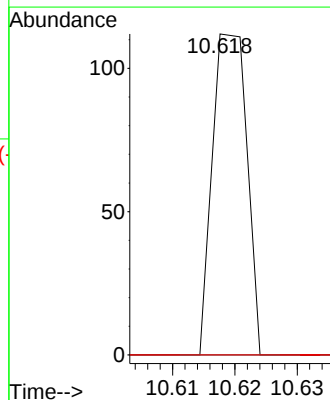
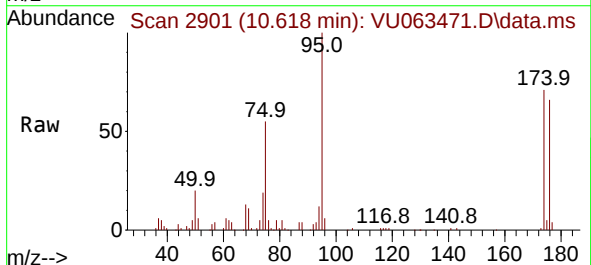
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

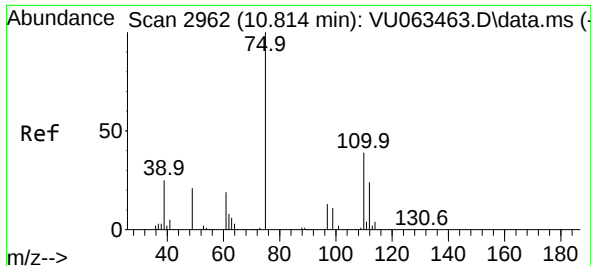
Tgt Ion: 43	Resp: 43
Ion Ratio	Lower Upper
43 100	
70 0.0	32.6 48.8#
55 44.2	18.6 27.8#
61 0.0	18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.016 ug/l
RT: 10.618 min Scan# 2901
Delta R.T. -0.155 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 83	Resp: 43
Ion Ratio	Lower Upper
83 100	
131 0.0	4.8 14.3#
85 0.0	32.3 96.8#

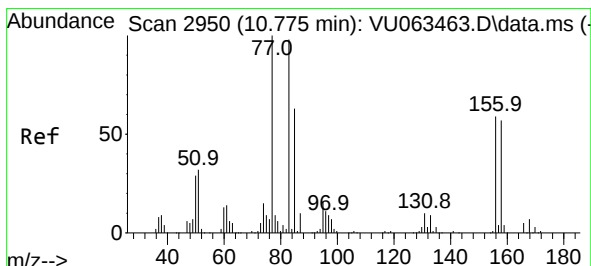
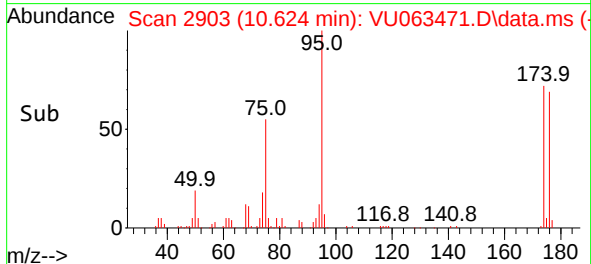
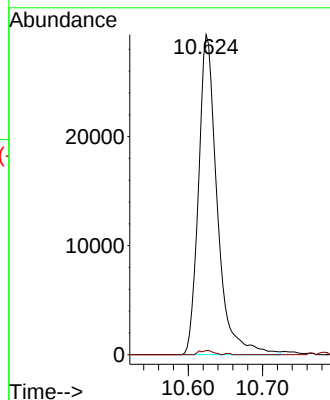
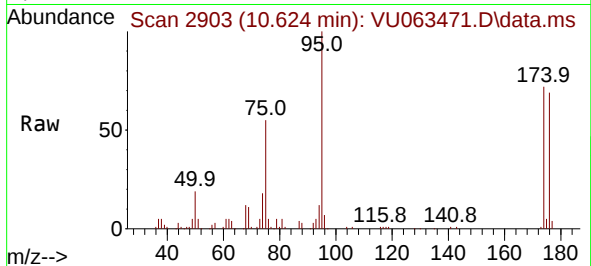




#76
1,2,3-Trichloropropane
Concen: 18.300 ug/l
RT: 10.624 min Scan# 2962
Delta R.T. -0.190 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

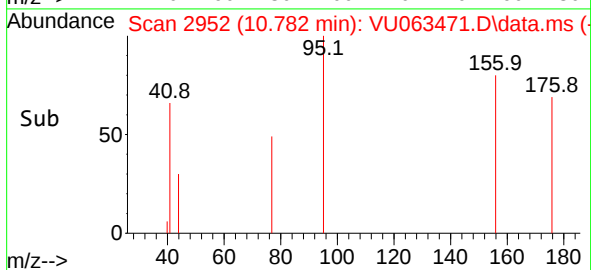
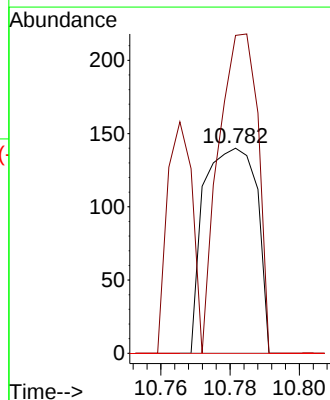
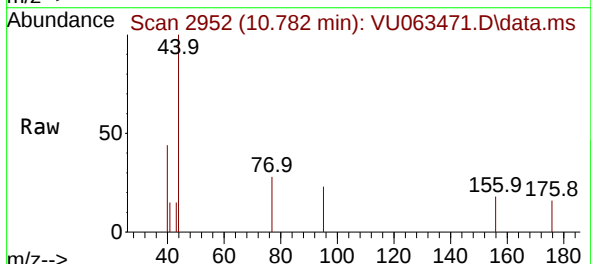
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

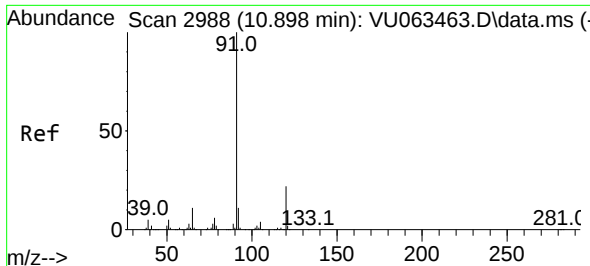
Tgt Ion: 75 Resp: 51440
Ion Ratio Lower Upper
75 100
77 1.0 3.1 9.4#



#77
Bromobenzene
Concen: 0.084 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.006 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion:156 Resp: 148
Ion Ratio Lower Upper
156 100
77 115.5 78.2 234.6
158 0.0 46.8 140.4#

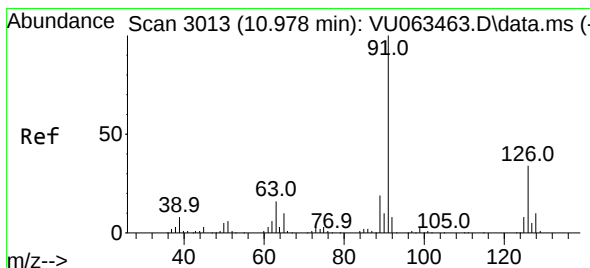
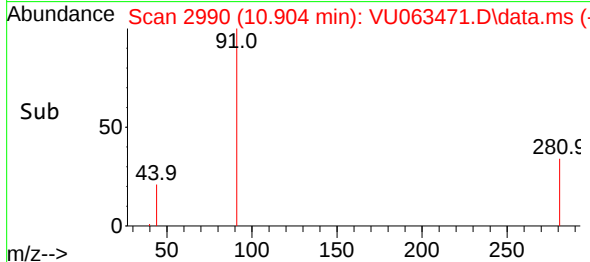
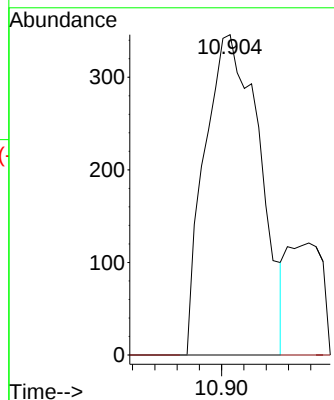
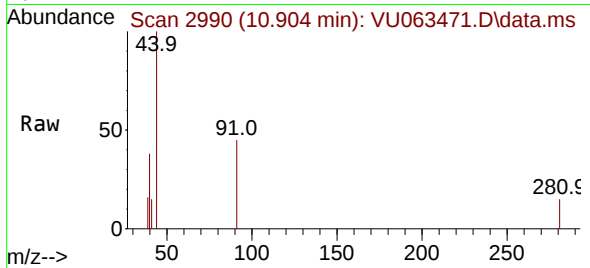




#78
n-propylbenzene
Concen: 0.071 ug/l
RT: 10.904 min Scan# 2988
Delta R.T. 0.006 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

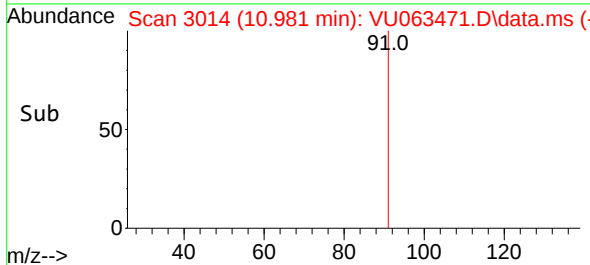
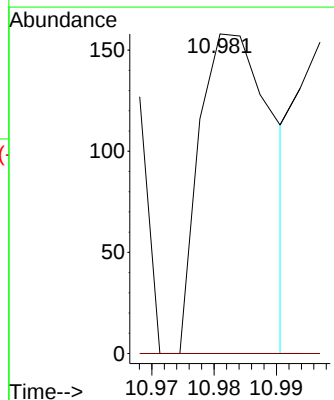
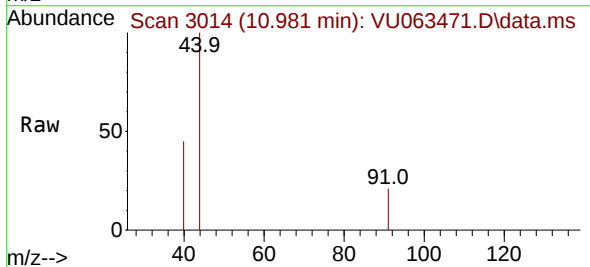
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

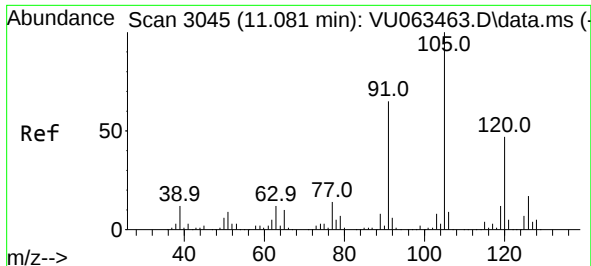
Tgt Ion: 91 Resp: 591
Ion Ratio Lower Upper
91 100
120 0.0 11.5 34.4#



#79
2-Chlorotoluene
Concen: 0.025 ug/l
RT: 10.981 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

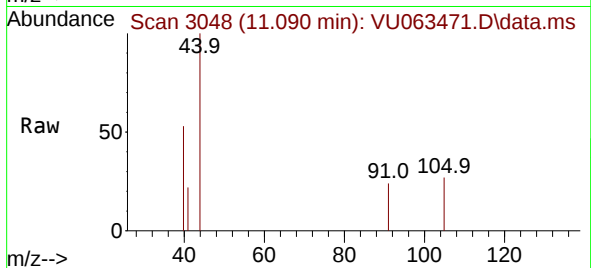
Tgt Ion: 91 Resp: 130
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#



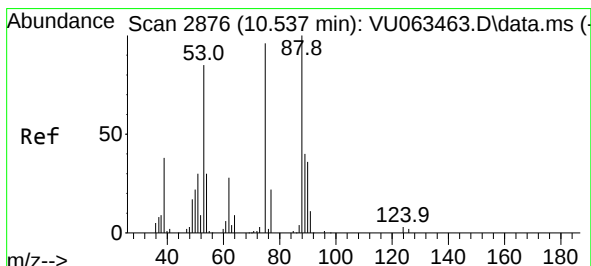
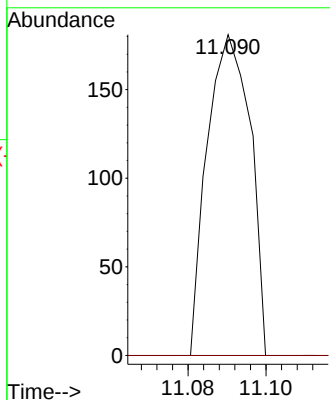
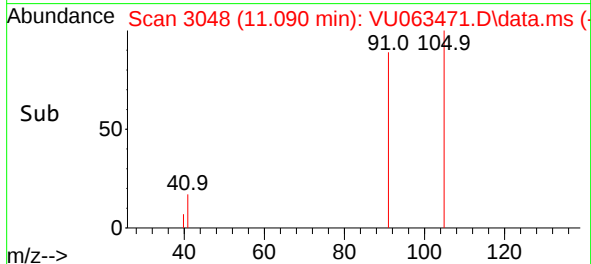


#80
1,3,5-Trimethylbenzene
Concen: 0.022 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.009 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

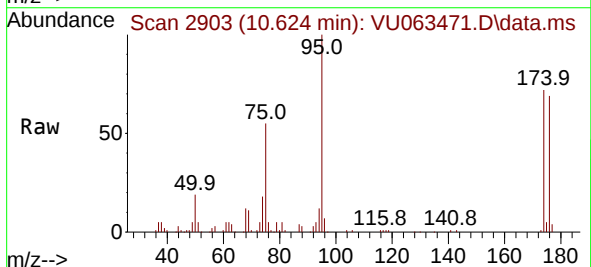
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03



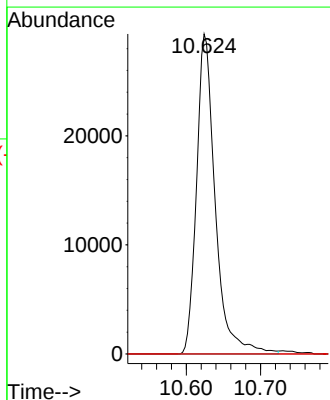
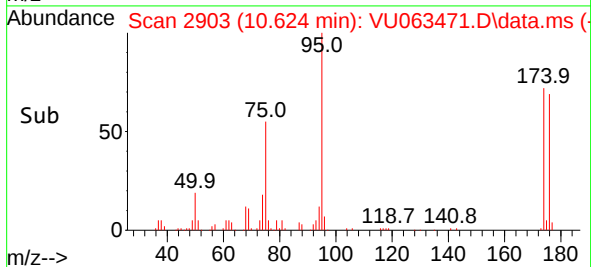
Tgt Ion:105 Resp: 139
Ion Ratio Lower Upper
105 100
120 0.0 23.4 70.2#

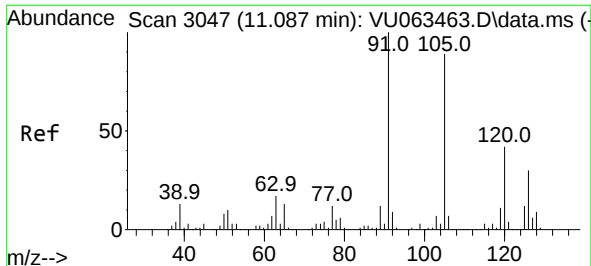


#81
trans-1,4-Dichloro-2-butene
Concen: 91.269 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. 0.087 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06



Tgt Ion: 75 Resp: 51440
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 36.3 54.5#

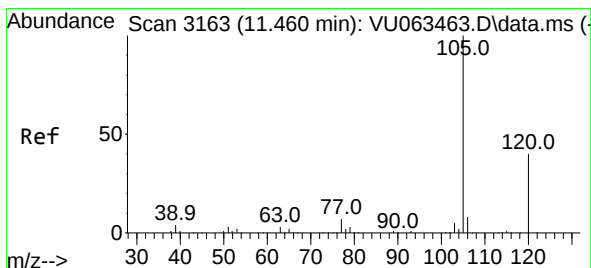
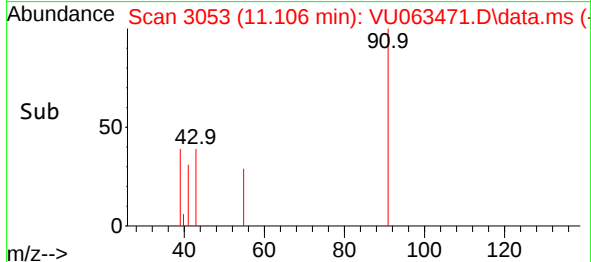
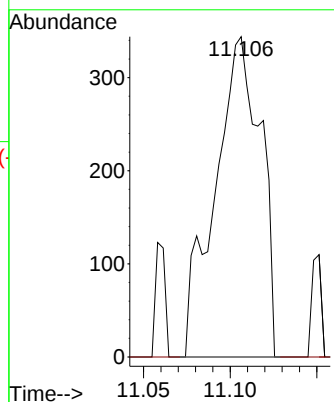
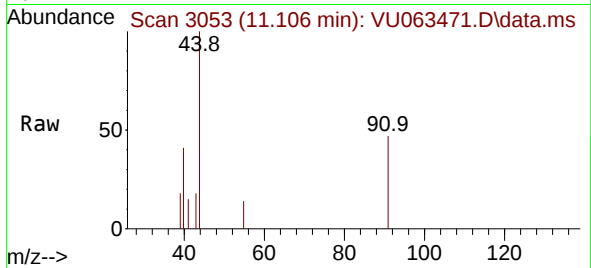




#82
4-Chlorotoluene
Concen: 0.106 ug/l
RT: 11.106 min Scan# 3047
Delta R.T. 0.019 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

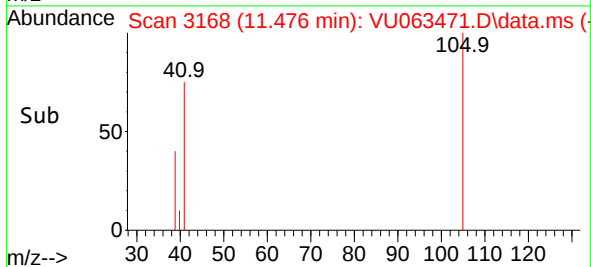
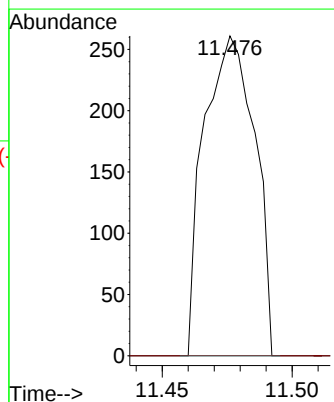
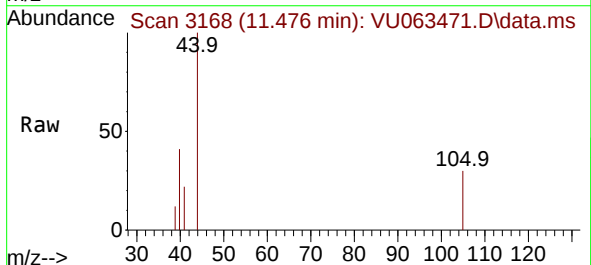
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

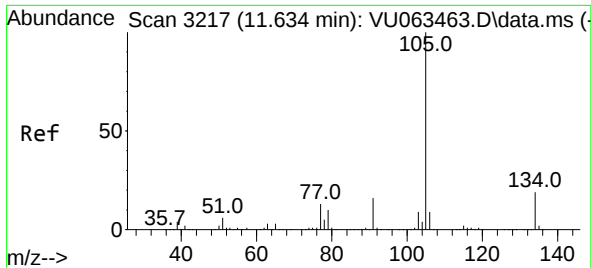
Tgt Ion: 91 Resp: 631
Ion Ratio Lower Upper
91 100
126 0.0 14.4 43.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.057 ug/l
RT: 11.476 min Scan# 3168
Delta R.T. 0.016 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 105 Resp: 354
Ion Ratio Lower Upper
105 100
120 0.0 22.1 66.3#

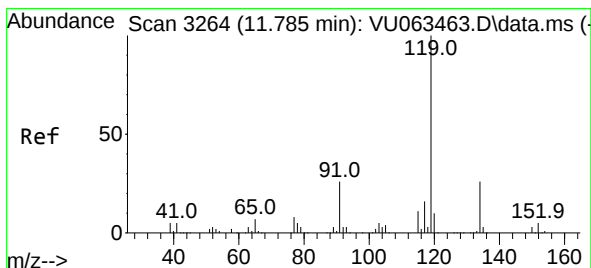
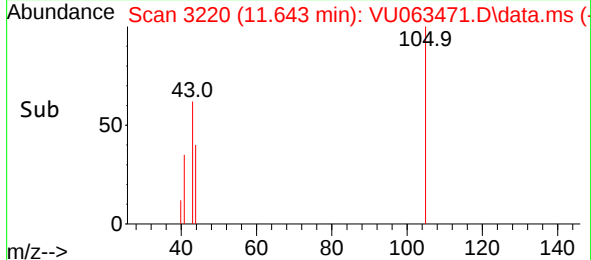
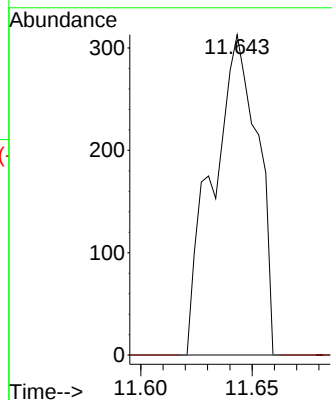
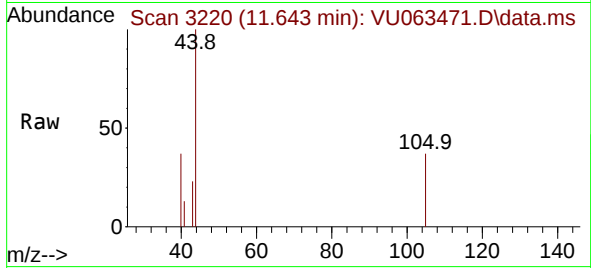




#85
 sec-Butylbenzene
 Concen: 0.055 ug/l
 RT: 11.643 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

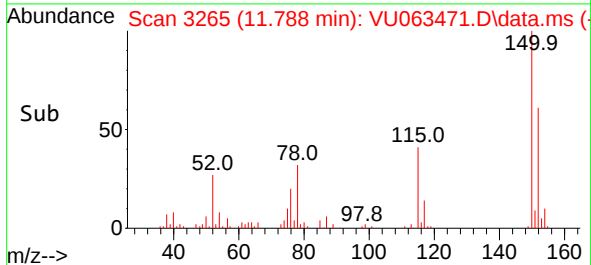
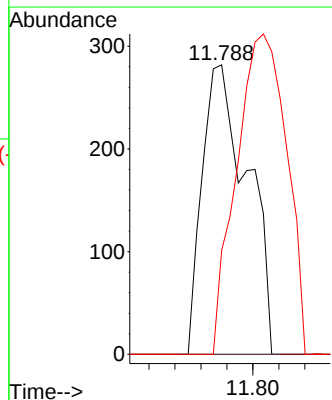
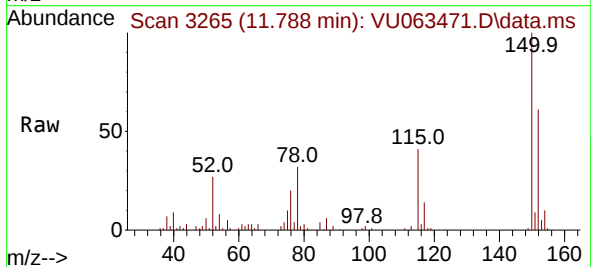
Instrument :
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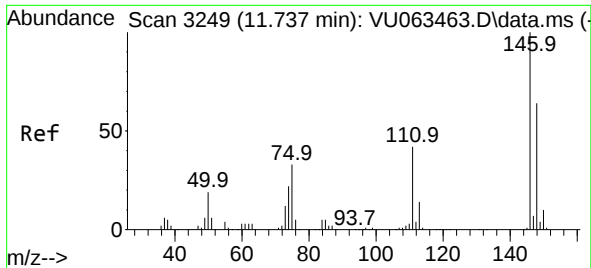
Tgt Ion:105 Resp: 442
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#



#86
 p-Isopropyltoluene
 Concen: 0.053 ug/l
 RT: 11.788 min Scan# 3265
 Delta R.T. 0.003 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

Tgt Ion:119 Resp: 341
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 38.9#
 91 122.3 13.0 38.9#

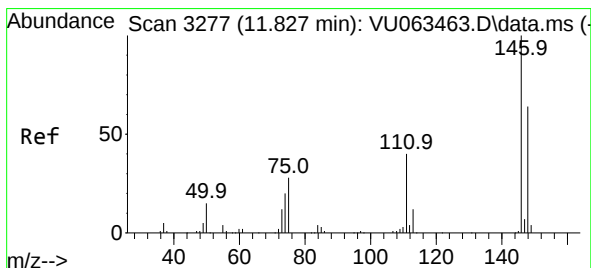
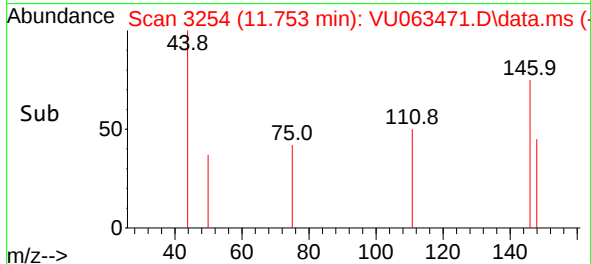
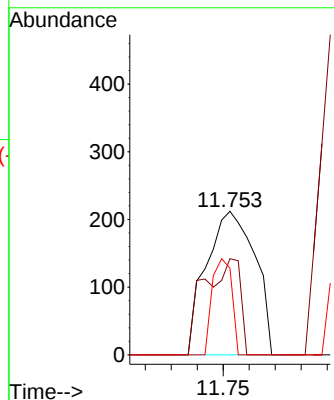
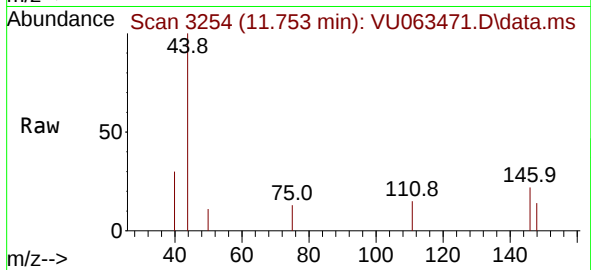




#87
 1,3-Dichlorobenzene
 Concen: 0.081 ug/l
 RT: 11.753 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

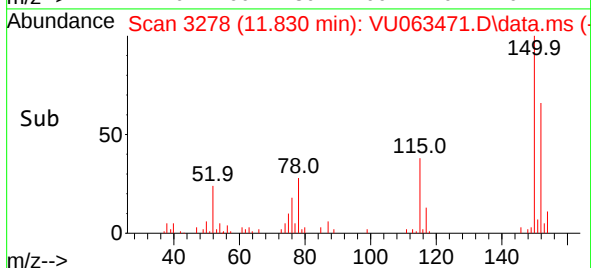
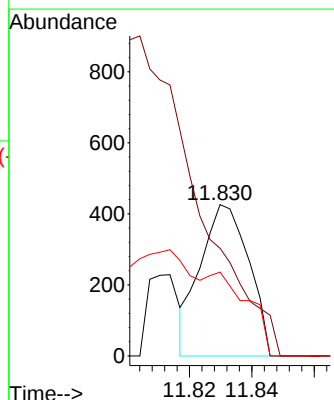
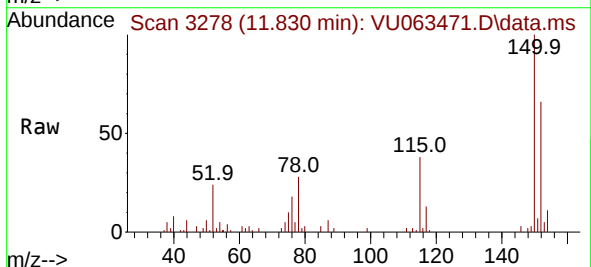
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL03

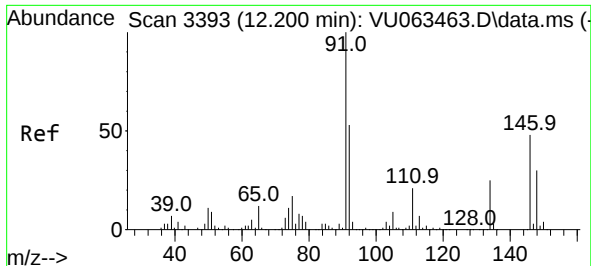
Tgt Ion:146 Resp: 277
 Ion Ratio Lower Upper
 146 100
 111 49.8 20.9 62.7
 148 27.1 31.9 95.9#



#88
 1,4-Dichlorobenzene
 Concen: 0.132 ug/l
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.003 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

Tgt Ion:146 Resp: 459
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.4#
 148 0.0 31.9 95.9#

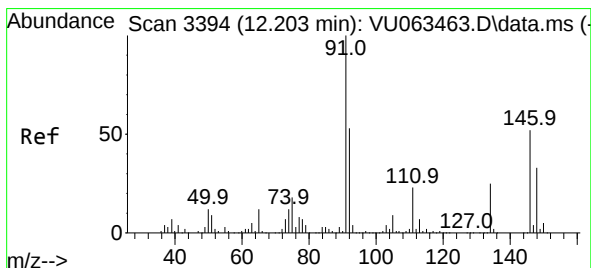
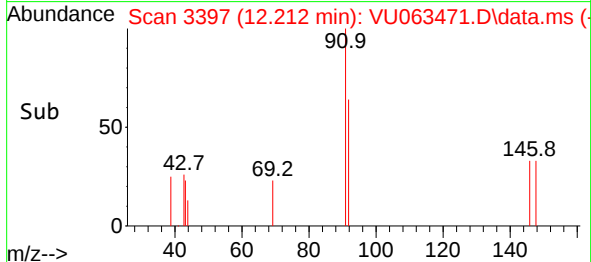
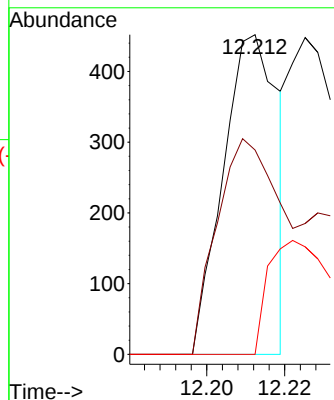
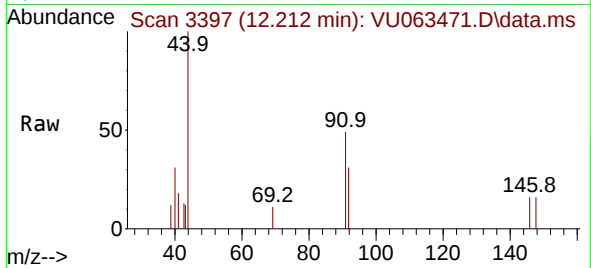




#89
n-Butylbenzene
Concen: 0.074 ug/l
RT: 12.212 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

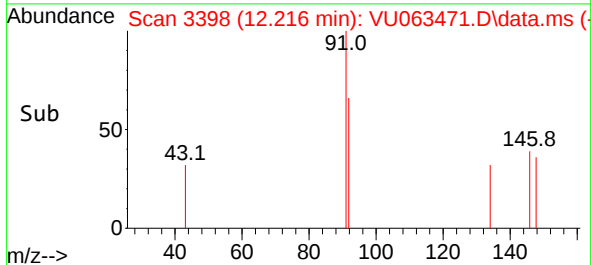
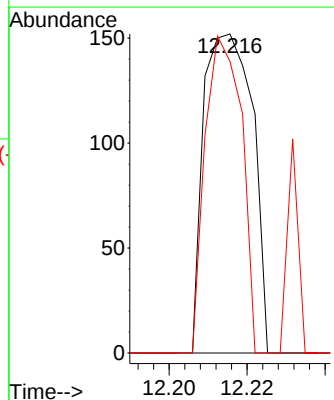
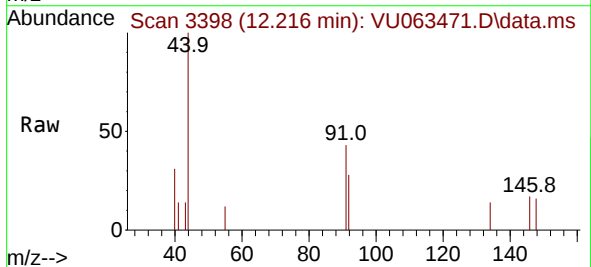
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL03

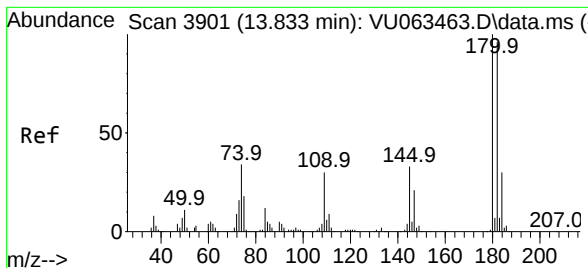
Tgt Ion: 91 Resp: 442
Ion Ratio Lower Upper
91 100
92 87.1 26.4 79.2#
134 36.2 12.4 37.0



#91
1,2-Dichlorobenzene
Concen: 0.040 ug/l
RT: 12.216 min Scan# 3398
Delta R.T. 0.013 min
Lab File: VU063471.D
Acq: 10 Jul 2025 11:06

Tgt Ion: 146 Resp: 132
Ion Ratio Lower Upper
146 100
111 0.0 21.9 65.5#
148 74.2 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.202 ug/l

RT: 13.862 min Scan# 3910

Delta R.T. 0.029 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

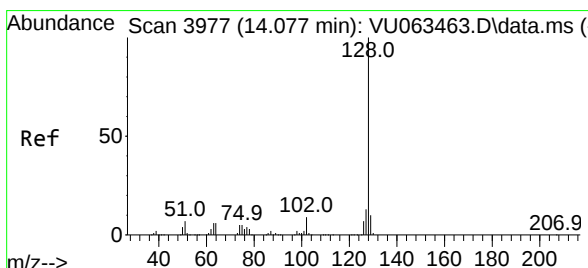
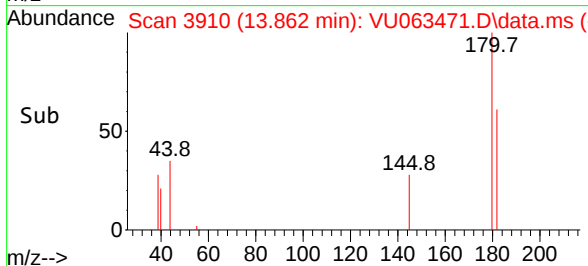
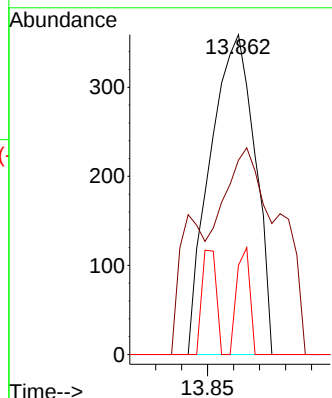
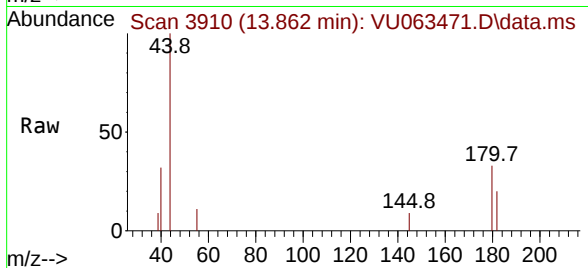
Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL03

Tgt Ion:180	Resp:	430
Ion Ratio	Lower	Upper
180	100	
182	85.1	47.7 143.1
145	9.8	16.6 49.7#



#95

Naphthalene

Concen: 0.448 ug/l

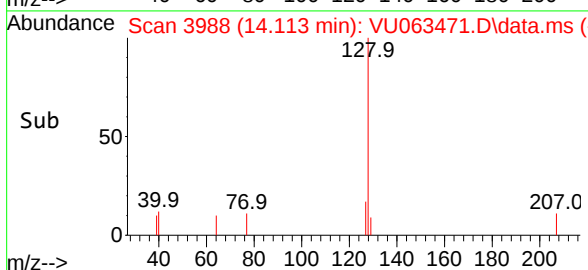
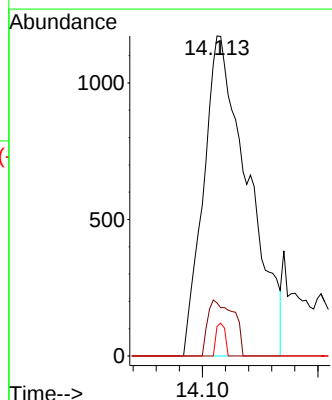
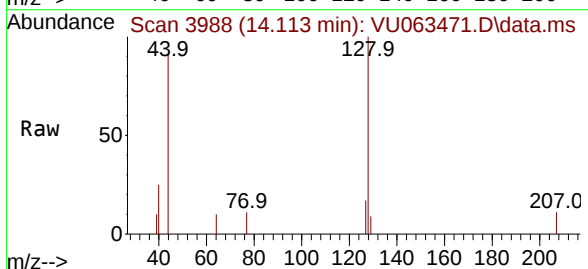
RT: 14.113 min Scan# 3988

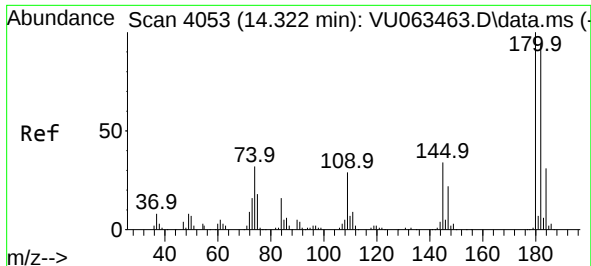
Delta R.T. 0.035 min

Lab File: VU063471.D

Acq: 10 Jul 2025 11:06

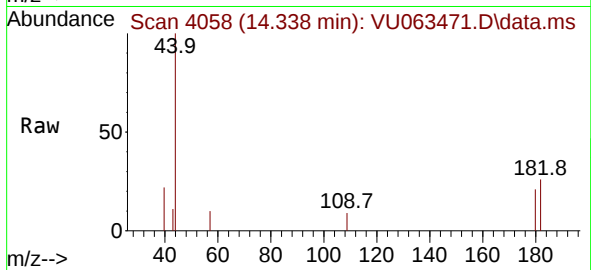
Tgt Ion:128	Resp:	3126
Ion Ratio	Lower	Upper
128	100	
127	10.1	10.2 15.4#
129	2.0	8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.153 ug/l
 RT: 14.338 min Scan# 4058
 Delta R.T. 0.016 min
 Lab File: VU063471.D
 Acq: 10 Jul 2025 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL03



Tgt Ion:	180	Resp:	321
Ion	Ratio	Lower	Upper
180	100		
182	122.7	47.8	143.3
145	23.4	17.2	51.5

