

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063470.D
 Acq On : 10 Jul 2025 10:41
 Operator : MD/SY
 Sample : VU0710WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL02

Quant Time: Jul 11 04:46:10 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	120561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	216924	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	197625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	102292	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	77022	50.072	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.140%	
35) Dibromofluoromethane	5.277	113	58767	44.943	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 89.880%	
50) Toluene-d8	7.888	98	192861	45.248	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.500%#	
62) 4-Bromofluorobenzene	10.624	95	85991	46.124	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.240%	

Target Compounds				Qvalue		
3) Chloromethane	1.518	50	410	0.351	ug/l #	42
4) Vinyl Chloride	1.592	62	115	0.089	ug/l #	85
5) Bromomethane	1.853	94	422	0.465	ug/l #	19
6) Chloroethane	1.927	64	182	0.194	ug/l #	43
8) Diethyl Ether	2.579	74	40	0.046	ug/l	73
10) Methyl Iodide	2.718	142	301	0.233	ug/l #	37
11) Tert butyl alcohol	3.184	59	508	0.985	ug/l #	29
12) 1,1-Dichloroethene	2.576	96	102	0.089	ug/l #	1
13) Acrolein	2.476	56	115	1.580	ug/l #	77
14) Allyl chloride	2.907	41	123	0.045	ug/l #	57
15) Acrylonitrile	3.319	53	225	0.204	ug/l #	60
16) Acetone	2.621	43	777	0.602	ug/l #	89
17) Carbon Disulfide	2.775	76	978	0.356	ug/l #	83
18) Methyl Acetate	2.943	43	116	0.035	ug/l #	54
19) Methyl tert-butyl Ether	3.412	73	40	0.008	ug/l #	79
20) Methylene Chloride	3.029	84	2316	1.231	ug/l #	81
21) trans-1,2-Dichloroethene	3.348	96	193	0.156	ug/l #	1
22) Diisopropyl ether	4.004	45	20	0.004	ug/l #	48
23) Vinyl Acetate	3.965	43	63	0.017	ug/l #	73
24) 1,1-Dichloroethane	3.714	63	40	0.015	ug/l #	82
25) 2-Butanone	4.679	43	311	0.215	ug/l #	49
29) Tetrahydrofuran	5.052	42	46	0.050	ug/l #	32
30) Chloroform	5.071	83	65	0.023	ug/l #	19
31) Cyclohexane	5.361	56	2835	1.333	ug/l #	5
36) 1,1-Dichloropropene	5.361	75	11049	6.219	ug/l #	50
37) Ethyl Acetate	4.814	43	134	0.047	ug/l #	70
38) Carbon Tetrachloride	5.357	117	12847	6.562	ug/l #	17
39) Methylcyclohexane	6.479	83	21	0.010	ug/l #	19
40) Benzene	5.772	78	95	0.017	ug/l #	52
41) Methacrylonitrile	4.955	41	160	0.118	ug/l #	23
43) Isopropyl Acetate	5.894	43	107	0.028	ug/l #	61
45) 1,2-Dichloropropane	6.557	63	19	0.012	ug/l #	43
46) Dibromomethane	6.907	93	68	0.062	ug/l #	5
48) Methyl methacrylate	6.939	41	119	0.067	ug/l #	21
51) 4-Methyl-2-Pentanone	7.807	43	611	0.221	ug/l	95
52) Toluene	7.975	92	45	0.012	ug/l #	6

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 ALS Vial : 5 Sample Multiplier: 1

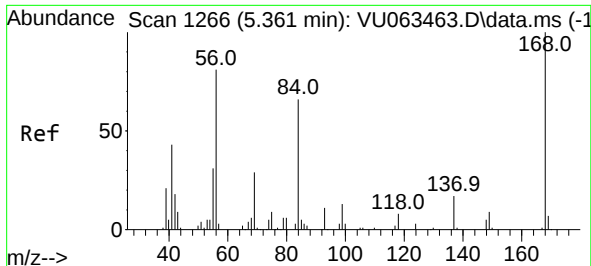
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL02

Quant Time: Jul 11 04:46:10 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)

53) t-1,3-Dichloropropene	8.219	75	66	0.033	ug/l #	43
56) Ethyl methacrylate	8.354	69	40	0.016	ug/l #	1
59) 2-Hexanone	8.701	43	1259	0.602	ug/l	86
65) Chlorobenzene	9.450	112	176	0.043	ug/l #	43
67) Ethyl Benzene	9.573	91	218	0.031	ug/l #	44
68) m/p-Xylenes	9.701	106	179	0.066	ug/l #	38
70) Styrene	10.135	104	93	0.021	ug/l #	25
73) Isopropylbenzene	10.476	105	147	0.021	ug/l #	49
74) N-amyl acetate	10.306	43	118	0.038	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.618	83	48	0.019	ug/l #	1
76) 1,2,3-Trichloropropane	10.624	75	46581	17.185	ug/l #	84
78) n-propylbenzene	10.907	91	748	0.093	ug/l	85
79) 2-Chlorotoluene	11.097	91	383	0.076	ug/l	85
80) 1,3,5-Trimethylbenzene	11.090	105	255	0.042	ug/l #	30
81) trans-1,4-Dichloro-2-b...	10.624	75	46581	85.710	ug/l #	12
82) 4-Chlorotoluene	11.097	91	383	0.067	ug/l	79
83) tert-Butylbenzene	11.402	119	280	0.048	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.473	105	363	0.061	ug/l #	50
85) sec-Butylbenzene	11.643	105	586	0.076	ug/l #	57
86) p-Isopropyltoluene	11.791	119	398	0.064	ug/l #	59
87) 1,3-Dichlorobenzene	11.749	146	299	0.091	ug/l #	83
88) 1,4-Dichlorobenzene	11.830	146	790	0.236	ug/l #	24
89) n-Butylbenzene	12.216	91	1447	0.250	ug/l #	62
91) 1,2-Dichlorobenzene	12.219	146	326	0.102	ug/l #	37
93) 1,2,4-Trichlorobenzene	13.849	180	575	0.280	ug/l #	76
95) Naphthalene	14.113	128	3575	0.532	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.338	180	726	0.360	ug/l	83

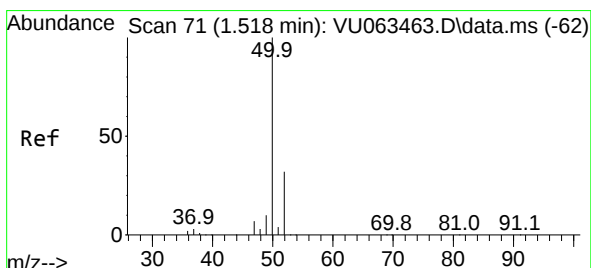
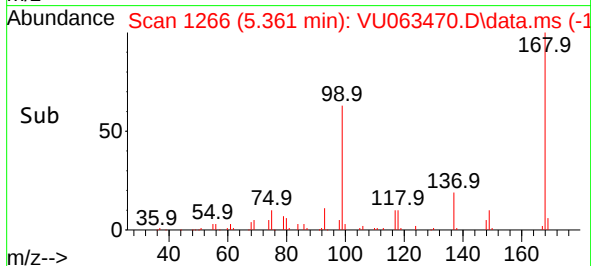
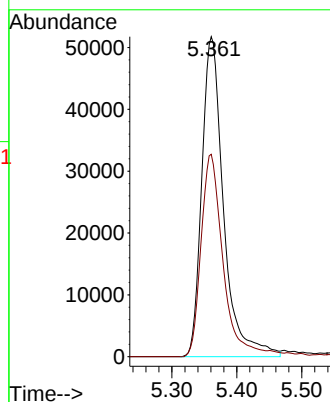
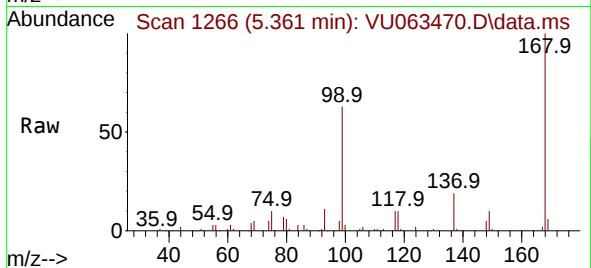
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.361 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063470.D
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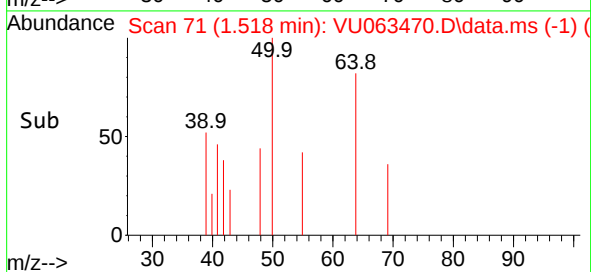
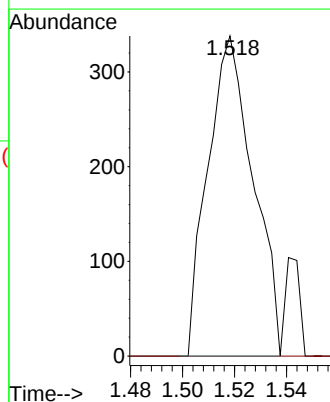
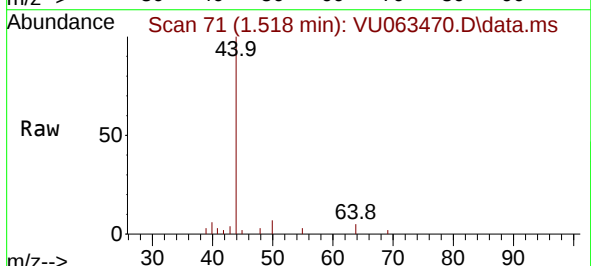
Instrument :
MSVOA_U
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VU0710WBL02

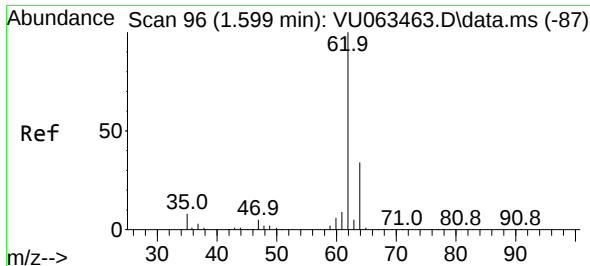
Tgt Ion:168 Resp: 120561
Ion Ratio Lower Upper
168 100
99 63.3 47.7 71.5



#3
Chloromethane
Concen: 0.351 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 50 Resp: 410
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

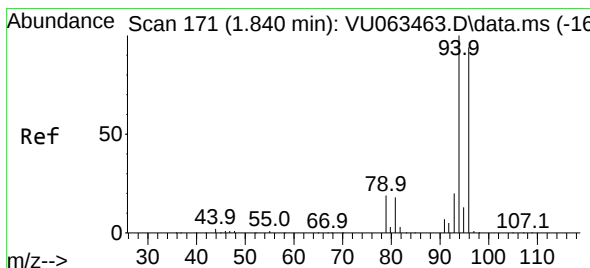
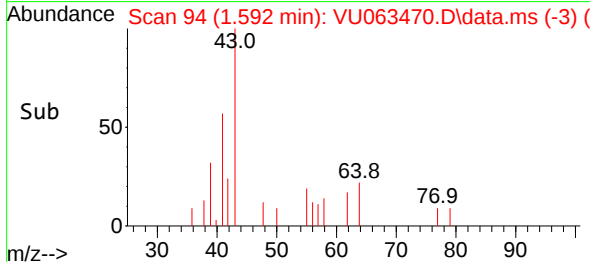
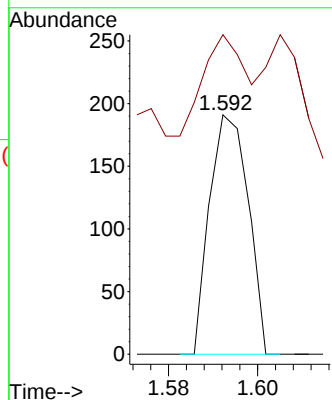
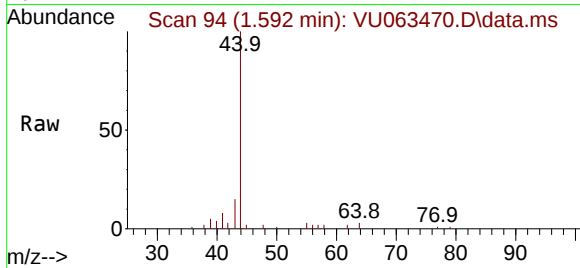




#4
 Vinyl Chloride
 Concen: 0.089 ug/l
 RT: 1.592 min Scan# 94
 Delta R.T. -0.007 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

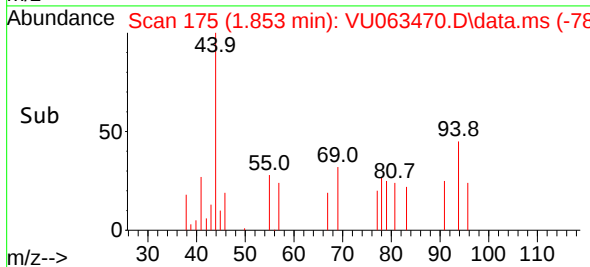
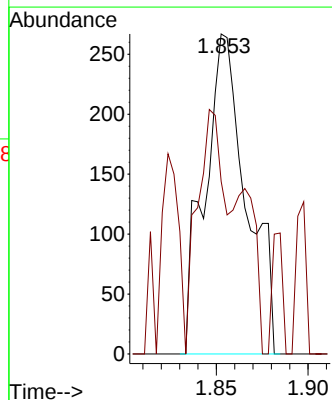
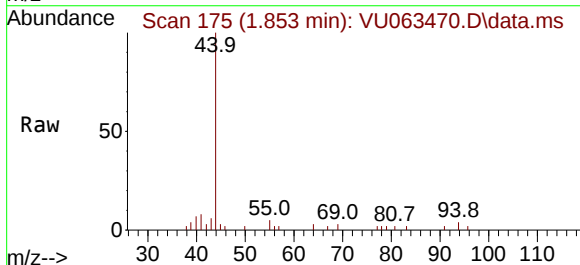
Instrument :
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 ClientSampleId :
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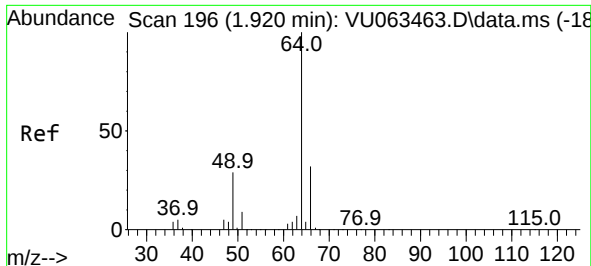
Tgt Ion: 62 Resp: 115
 Ion Ratio Lower Upper
 62 100
 64 42.4 26.9 40.3#



#5
 Bromomethane
 Concen: 0.465 ug/l
 RT: 1.853 min Scan# 175
 Delta R.T. 0.013 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

Tgt Ion: 94 Resp: 422
 Ion Ratio Lower Upper
 94 100
 96 16.1 75.5 113.3#

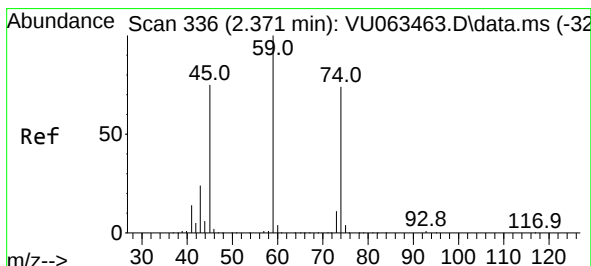
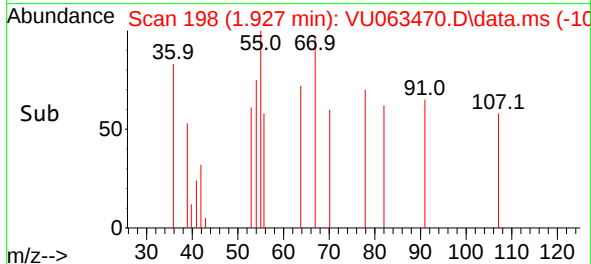
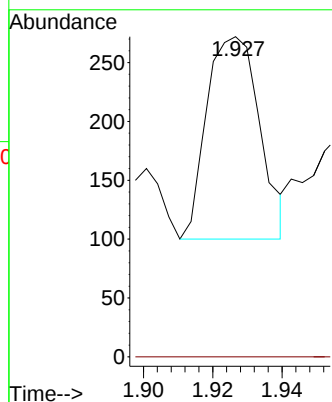
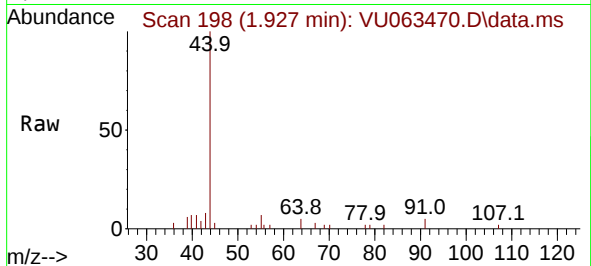




#6
Chloroethane
Concen: 0.194 ug/l
RT: 1.927 min Scan# 196
Delta R.T. 0.007 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

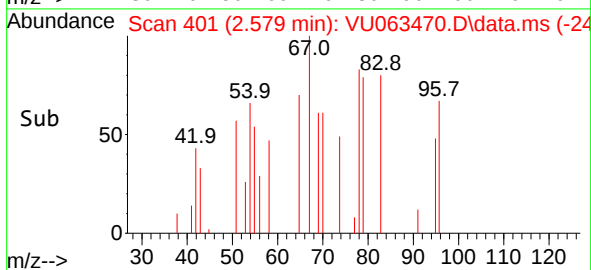
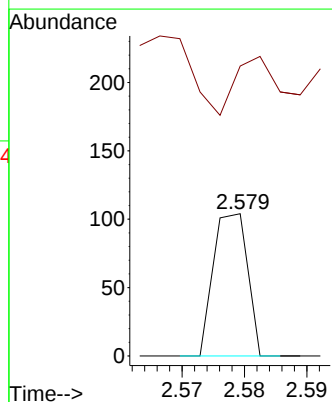
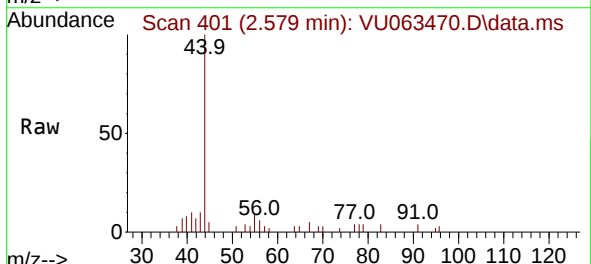
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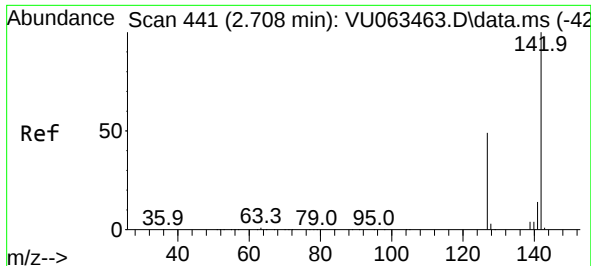
Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#8
Diethyl Ether
Concen: 0.046 ug/l
RT: 2.579 min Scan# 401
Delta R.T. 0.209 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

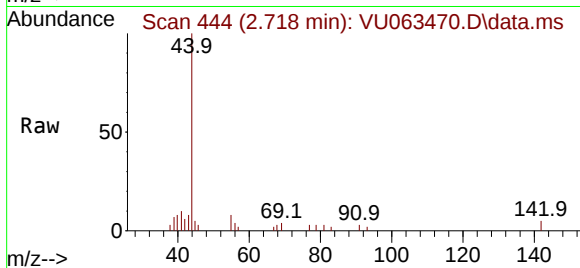
Tgt Ion: 74 Resp: 40
Ion Ratio Lower Upper
74 100
45 72.5 49.7 149.1



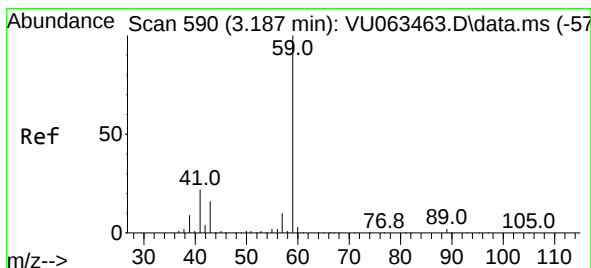
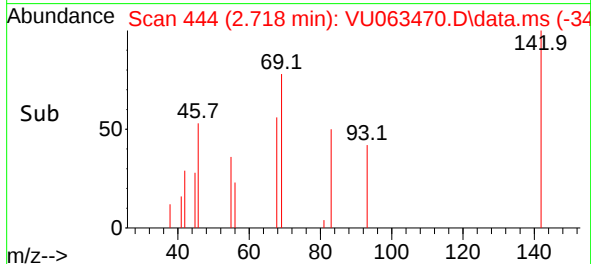
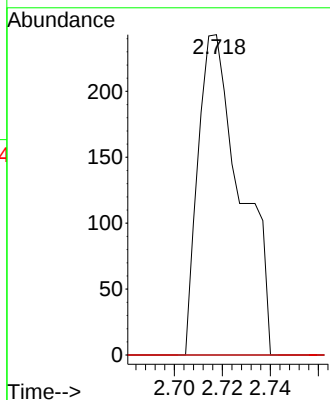


#10
Methyl Iodide
Concen: 0.233 ug/l
RT: 2.718 min Scan# 441
Delta R.T. 0.009 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Instrument :
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ClientSampleId :
VU0710WBL02

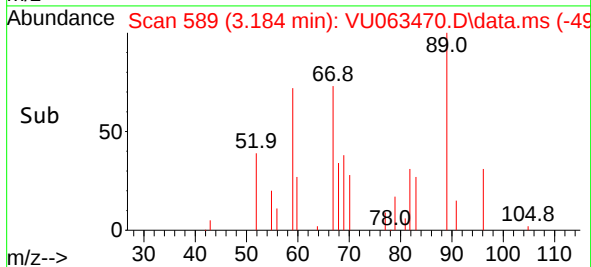
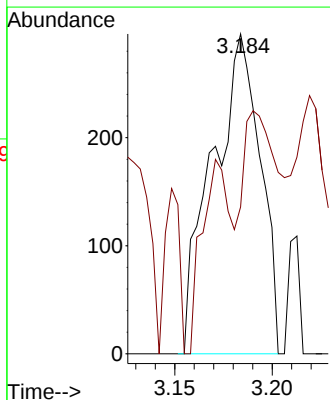
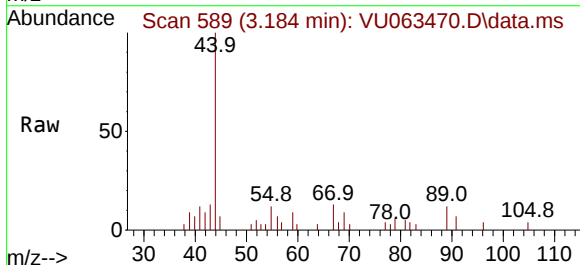


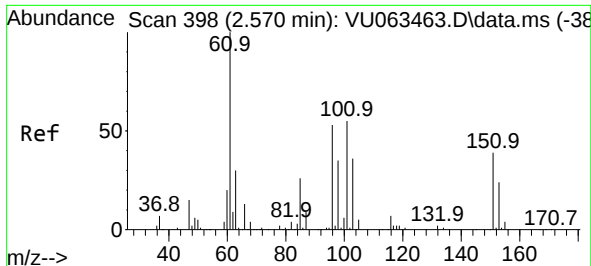
Tgt Ion:142 Resp: 301
Ion Ratio Lower Upper
142 100
127 0.0 38.2 57.4#
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.985 ug/l
RT: 3.184 min Scan# 589
Delta R.T. -0.003 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 59 Resp: 508
Ion Ratio Lower Upper
59 100
57 37.8 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 0.089 ug/l

RT: 2.576 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL02

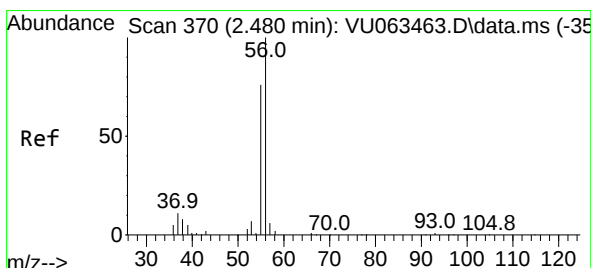
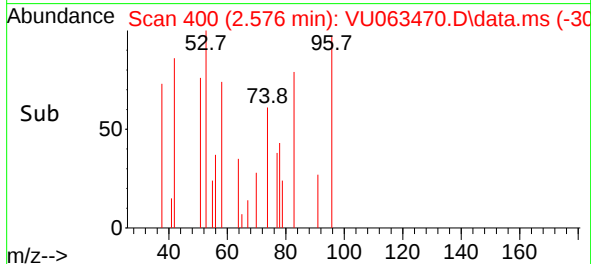
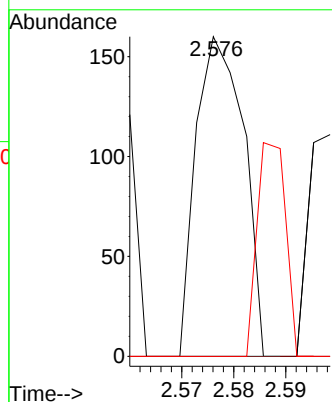
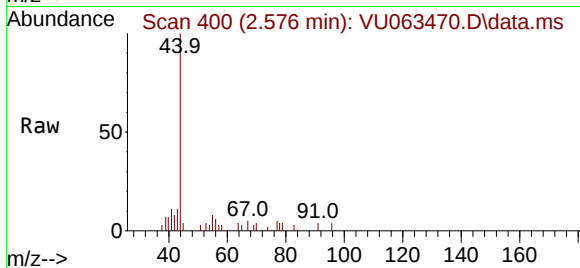
Tgt Ion: 96 Resp: 102

Ion Ratio Lower Upper

96 100

61 0.0 149.6 224.4#

98 0.0 52.0 78.0#



#13

Acrolein

Concen: 1.580 ug/l

RT: 2.476 min Scan# 369

Delta R.T. -0.003 min

Lab File: VU063470.D

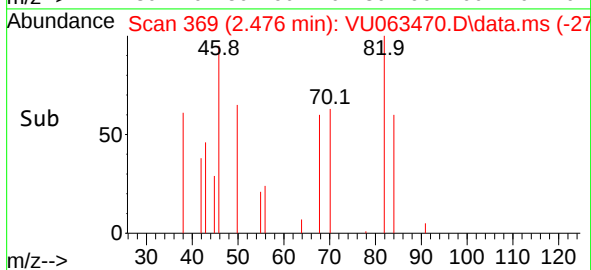
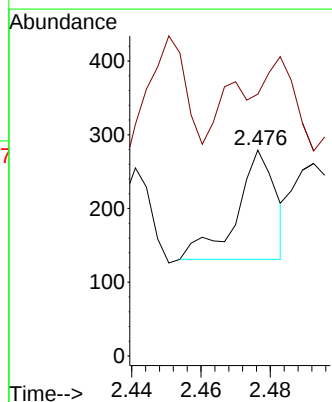
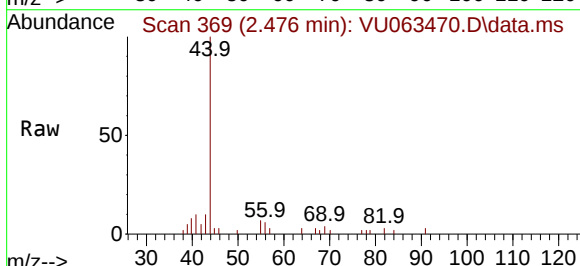
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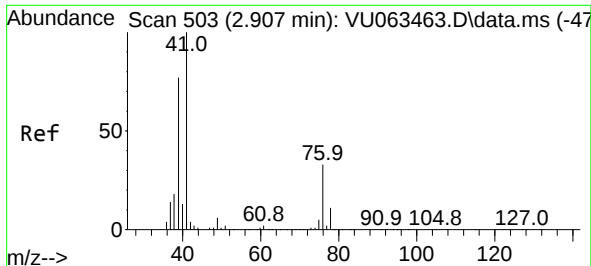
Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 94.8 60.2 90.2#

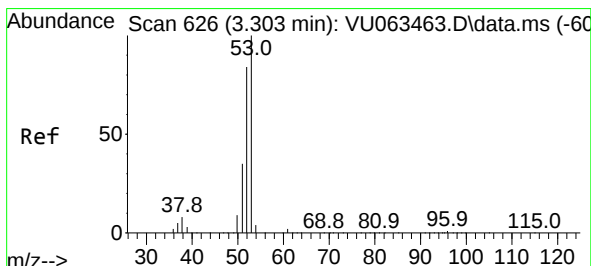
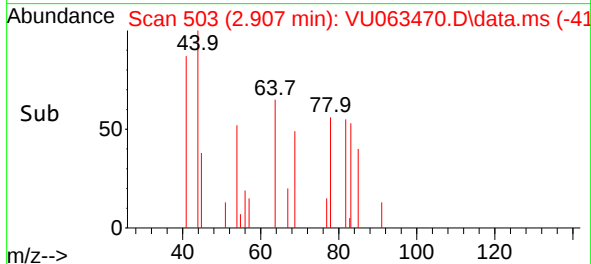
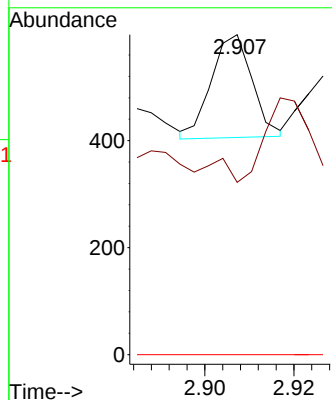
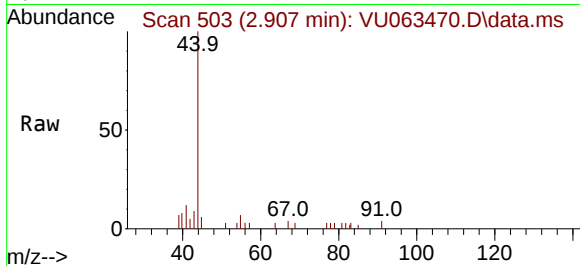




#14
 Allyl chloride
 Concen: 0.045 ug/l
 RT: 2.907 min Scan# 503
 Delta R.T. -0.000 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

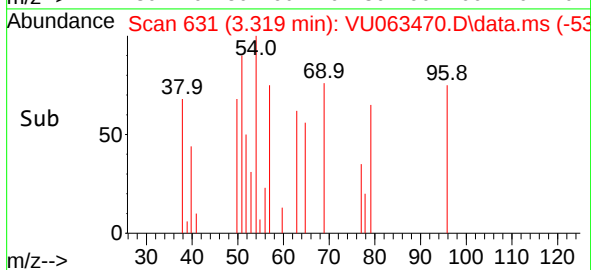
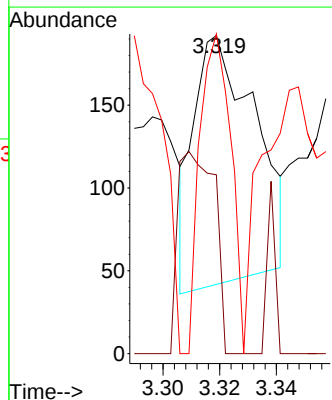
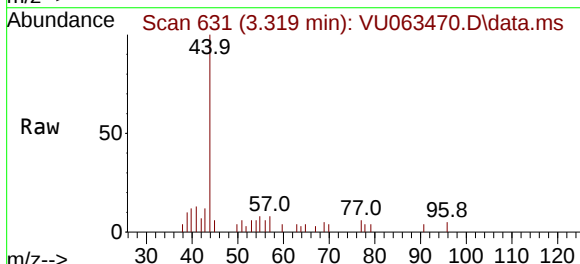
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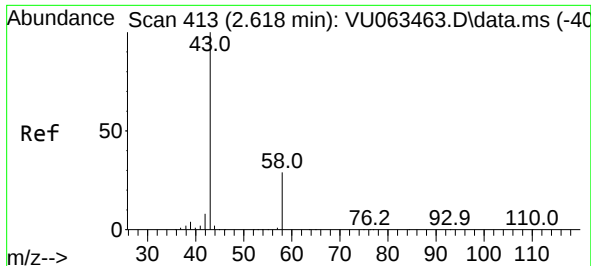
Tgt Ion: 41 Resp: 123
 Ion Ratio Lower Upper
 41 100
 39 98.4 53.9 80.9#
 76 0.0 23.1 34.7#



#15
 Acrylonitrile
 Concen: 0.204 ug/l
 RT: 3.319 min Scan# 631
 Delta R.T. 0.016 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

Tgt Ion: 53 Resp: 225
 Ion Ratio Lower Upper
 53 100
 52 48.9 65.0 97.4#
 51 64.9 28.8 43.2#

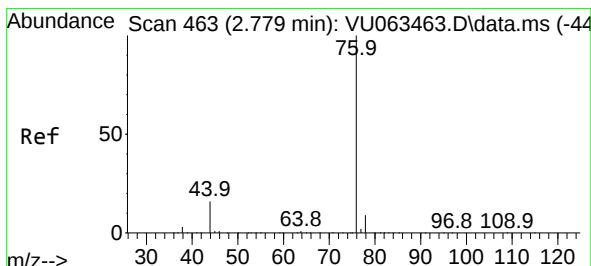
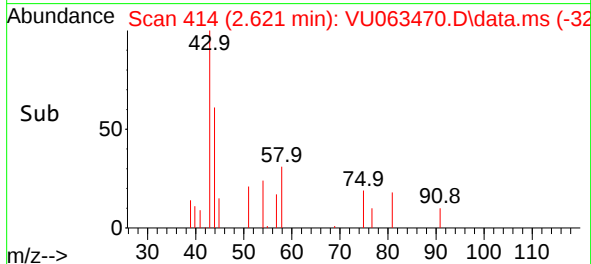
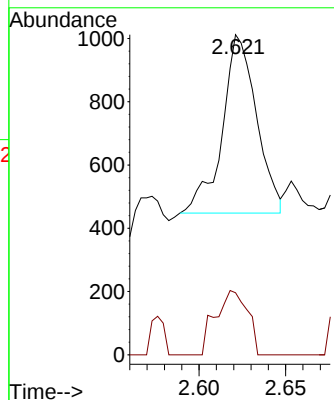
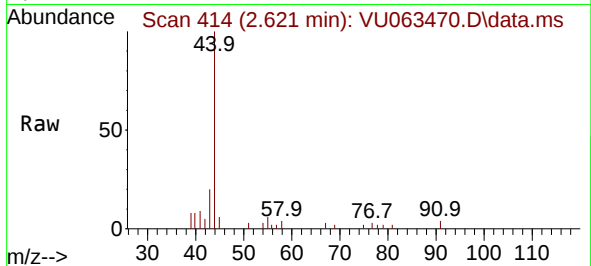




#16
Acetone
Concen: 0.602 ug/l
RT: 2.621 min Scan# 413
Delta R.T. 0.003 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

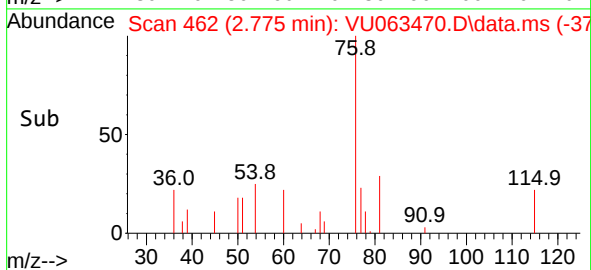
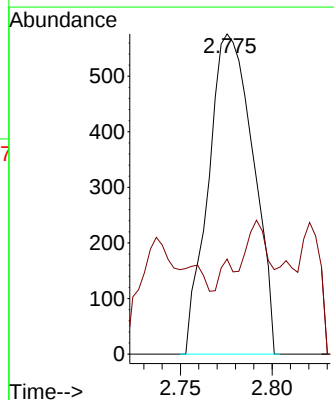
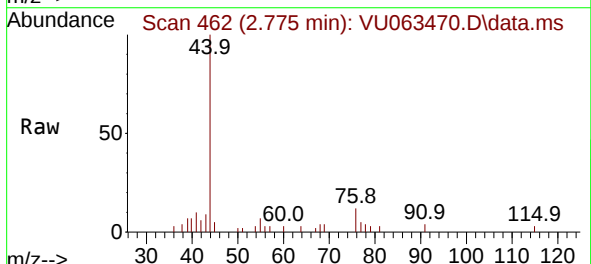
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

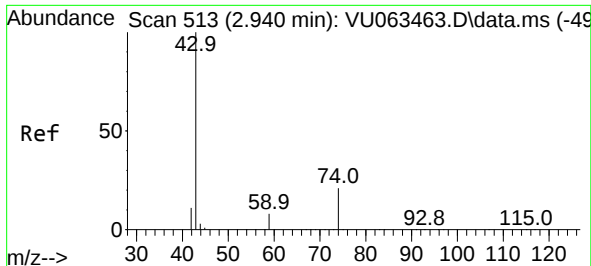
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 34.8 23.1 34.7#



#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 2.775 min Scan# 462
Delta R.T. -0.004 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 76 Resp: 978
Ion Ratio Lower Upper
76 100
78 3.3 7.5 11.3#

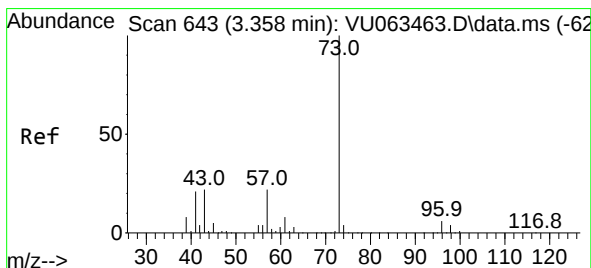
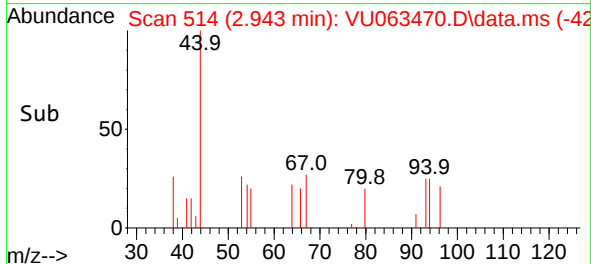
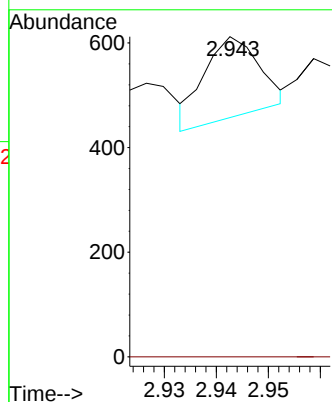
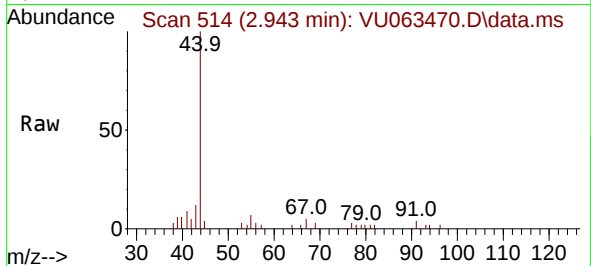




#18
Methyl Acetate
Concen: 0.035 ug/l
RT: 2.943 min Scan# 513
Delta R.T. 0.003 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

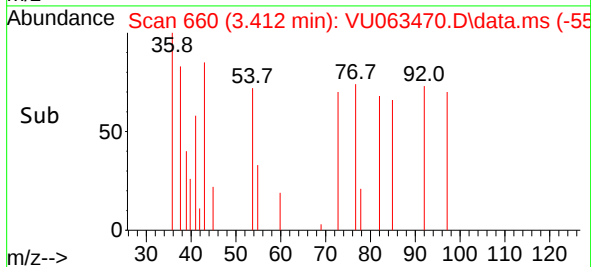
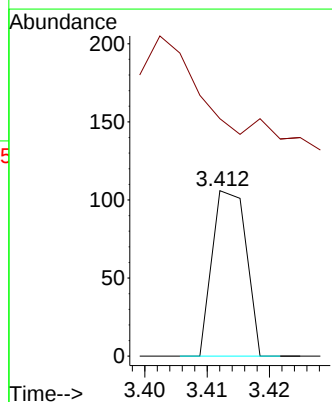
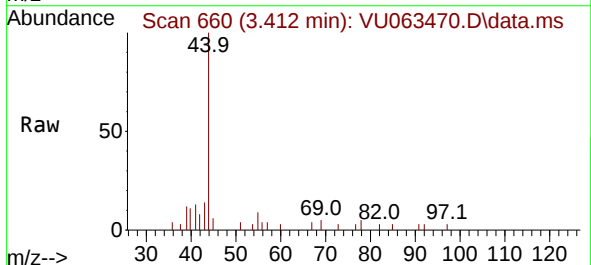
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

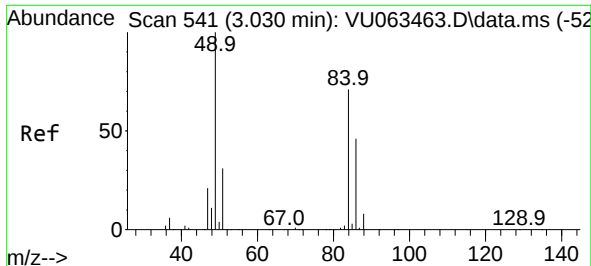
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#19
Methyl tert-butyl Ether
Concen: 0.008 ug/l
RT: 3.412 min Scan# 660
Delta R.T. 0.054 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 73 Resp: 40
Ion Ratio Lower Upper
73 100
57 12.3 17.8 26.6#

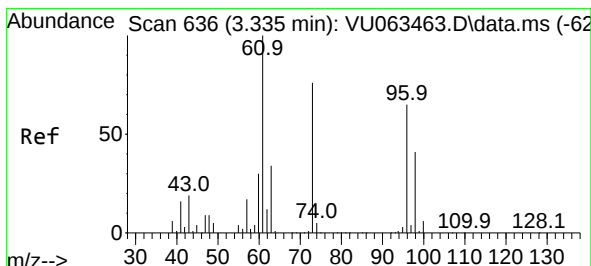
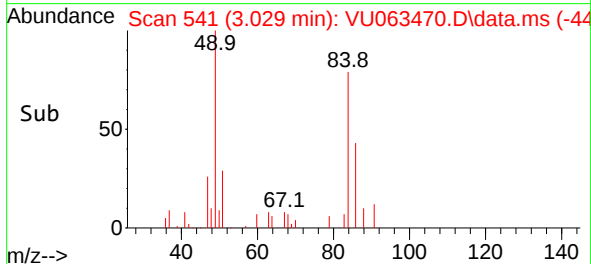
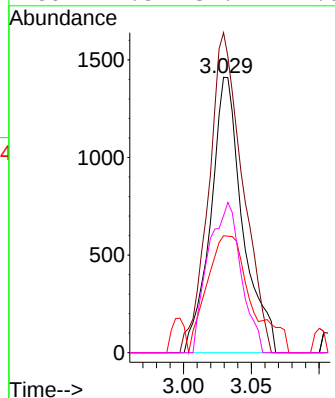
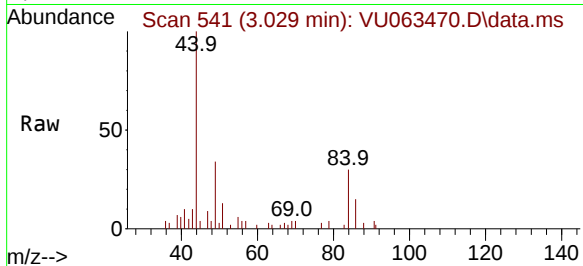




#20
Methylene Chloride
Concen: 1.231 ug/l
RT: 3.029 min Scan# 541
Delta R.T. -0.001 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

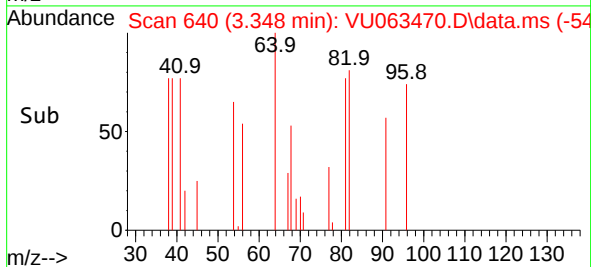
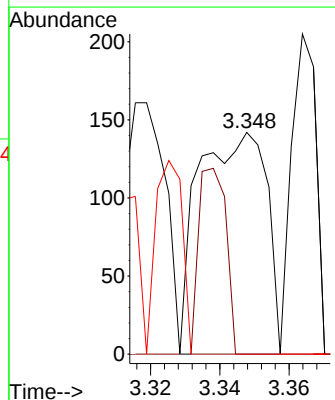
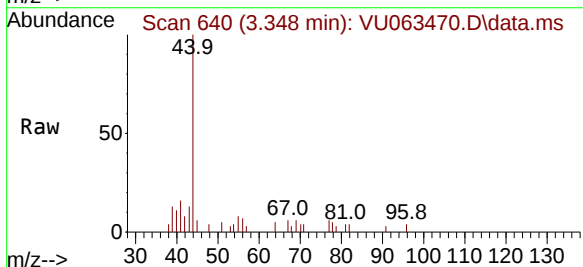
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

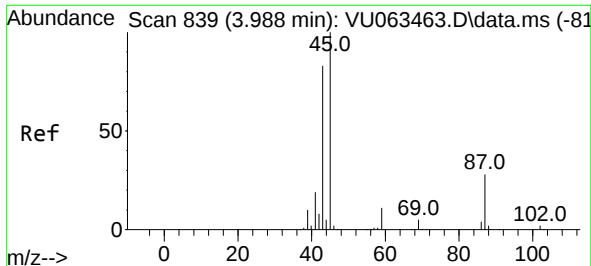
Tgt Ion:	84	Resp:	2316
Ion	Ratio	Lower	Upper
84	100		
49	116.2	112.1	168.1
51	33.3	34.4	51.6#
86	49.8	51.4	77.0#



#21
trans-1,2-Dichloroethene
Concen: 0.156 ug/l
RT: 3.348 min Scan# 640
Delta R.T. 0.013 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion:	96	Resp:	193
Ion	Ratio	Lower	Upper
96	100		
61	0.0	122.2	183.4#
98	0.0	49.9	74.9#

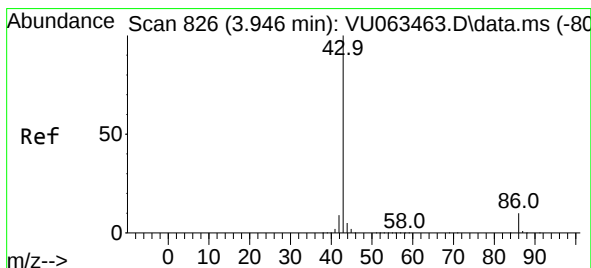
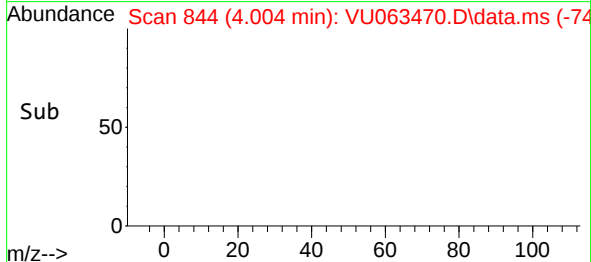
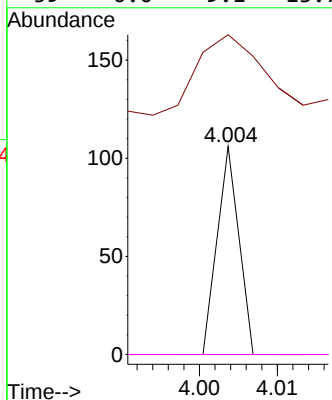
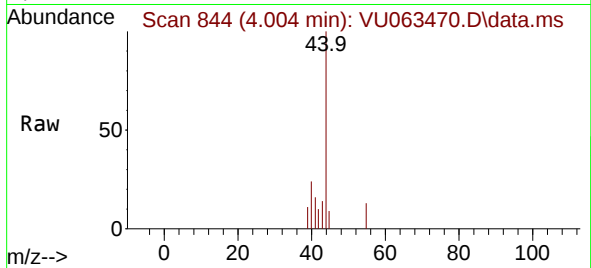




#22
Diisopropyl ether
Concen: 0.004 ug/l
RT: 4.004 min Scan# 844
Delta R.T. 0.016 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

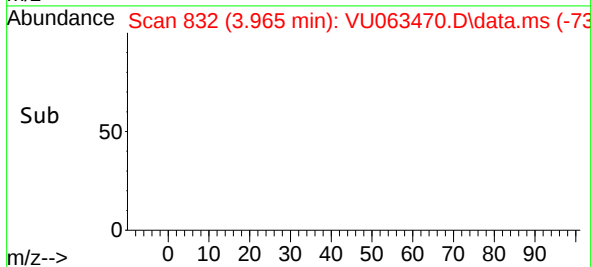
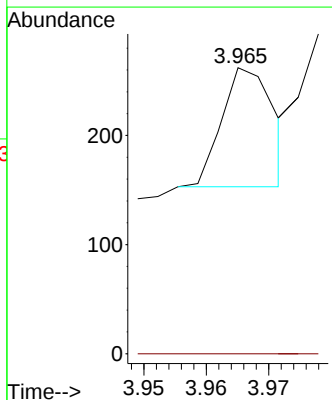
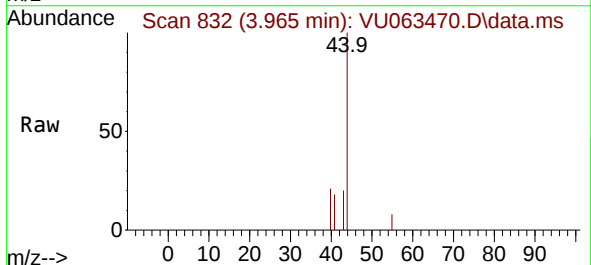
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

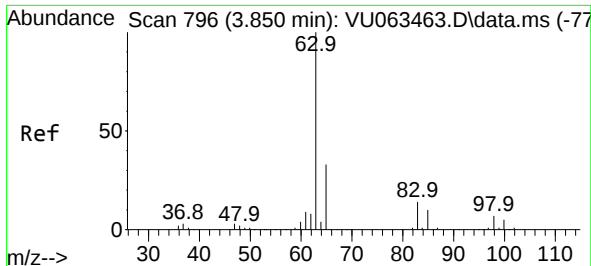
Tgt Ion:	45	Resp:	20
Ion	Ratio	Lower	Upper
45	100		
43	34.0	66.5	99.7#
87	0.0	22.6	33.8#
59	0.0	9.1	13.7#



#23
Vinyl Acetate
Concen: 0.017 ug/l
RT: 3.965 min Scan# 832
Delta R.T. 0.019 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.2#

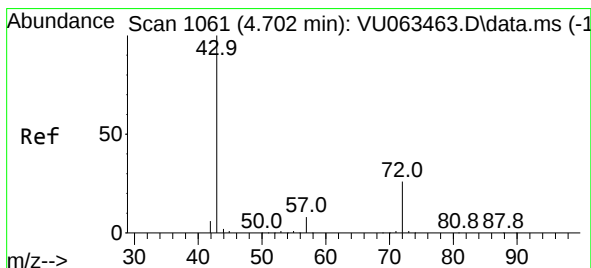
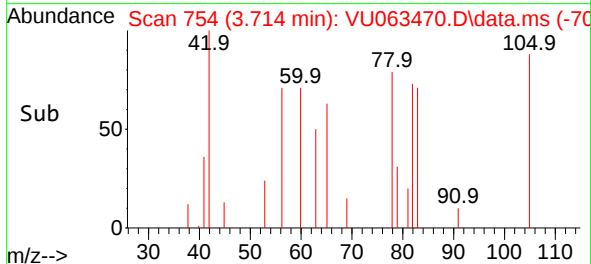
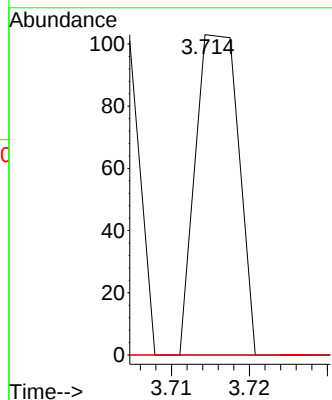
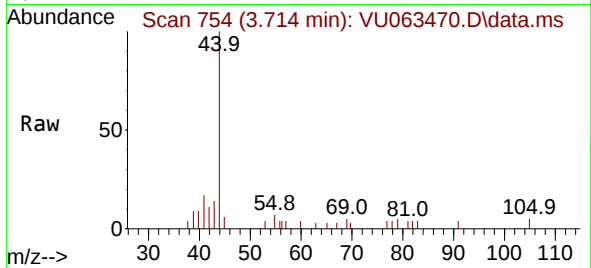




#24
1,1-Dichloroethane
Concen: 0.015 ug/l
RT: 3.714 min Scan# 71
Delta R.T. -0.135 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

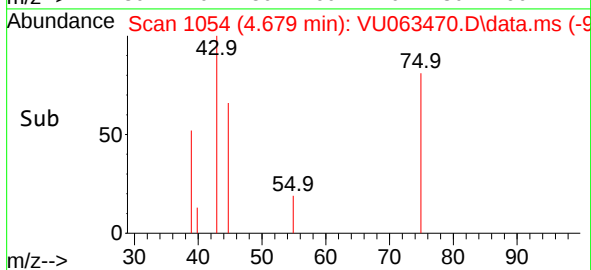
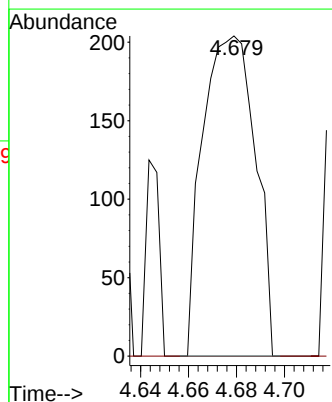
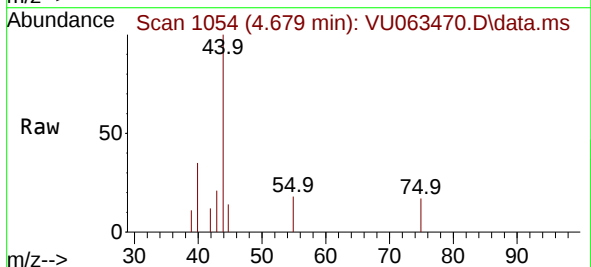
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

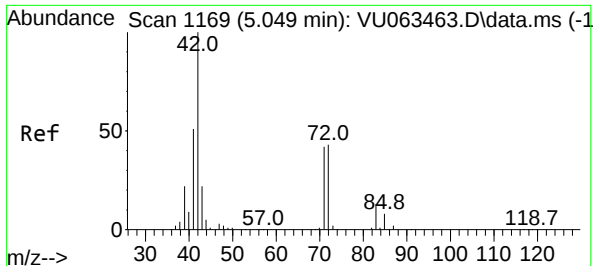
Tgt Ion: 63 Resp: 40
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.3 6.8#



#25
2-Butanone
Concen: 0.215 ug/l
RT: 4.679 min Scan# 1054
Delta R.T. -0.023 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.050 ug/l

RT: 5.052 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

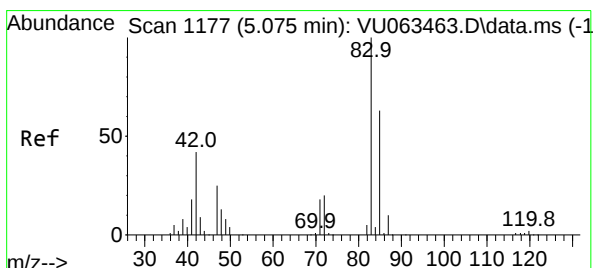
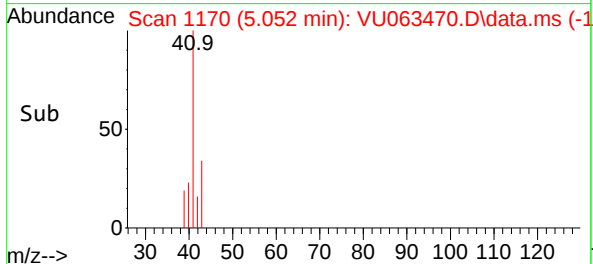
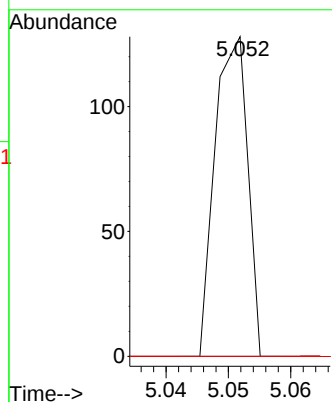
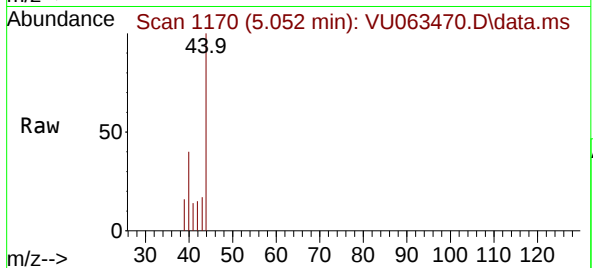
Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL02

Tgt Ion:	42	Resp:	46
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.2	54.4#
71	0.0	33.3	49.9#



#30

Chloroform

Concen: 0.023 ug/l

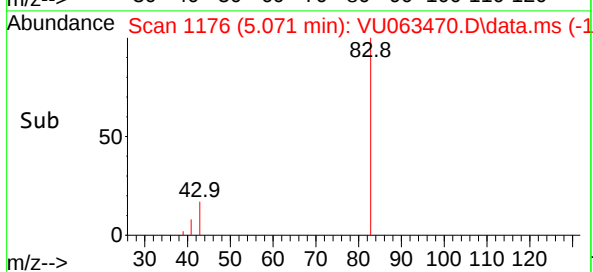
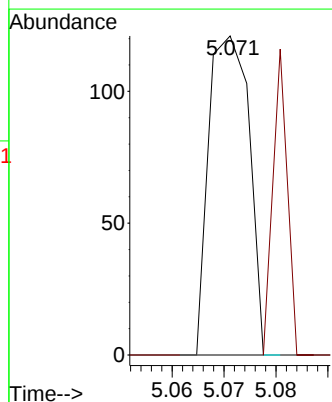
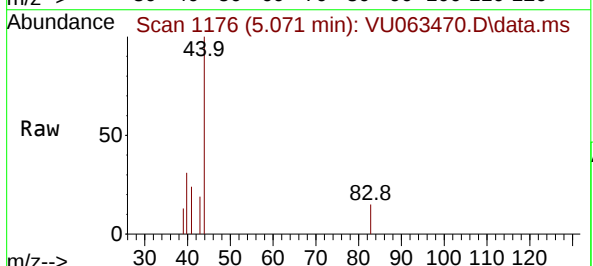
RT: 5.071 min Scan# 1176

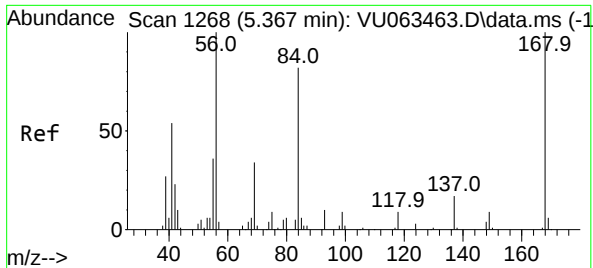
Delta R.T. -0.003 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

Tgt Ion:	83	Resp:	65
Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.7	76.1#

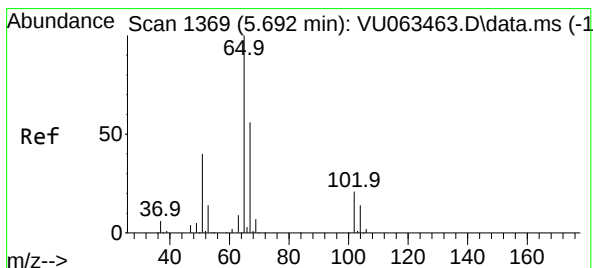
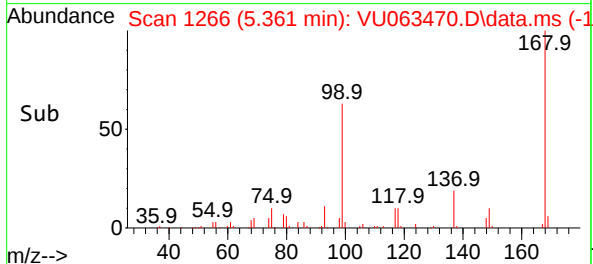
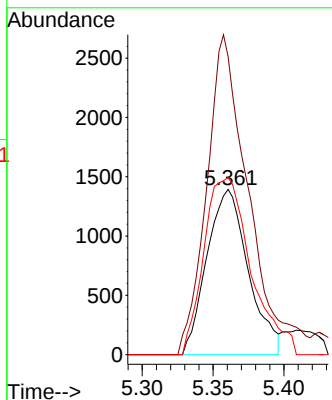
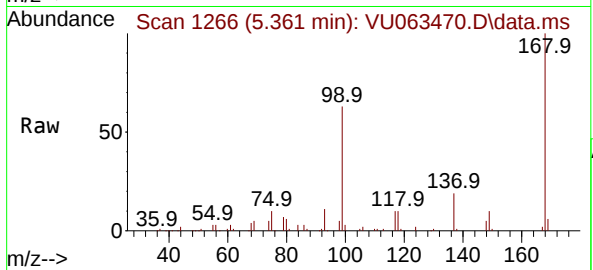




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 5.361 min Scan# 1266
Delta R.T. -0.007 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

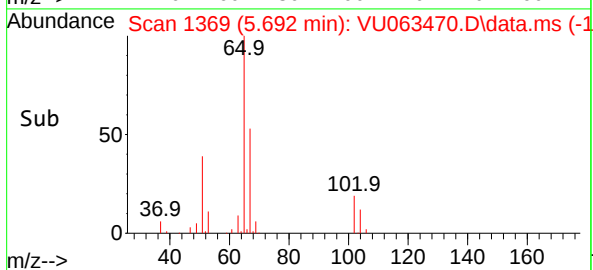
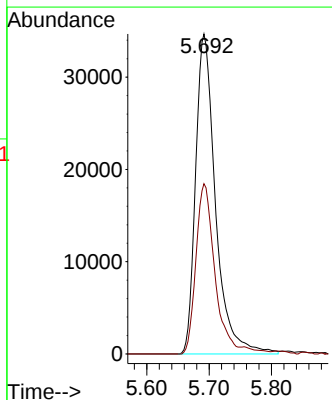
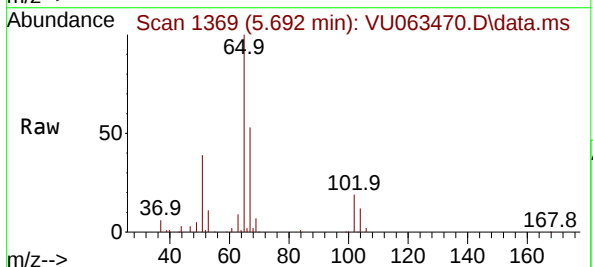
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

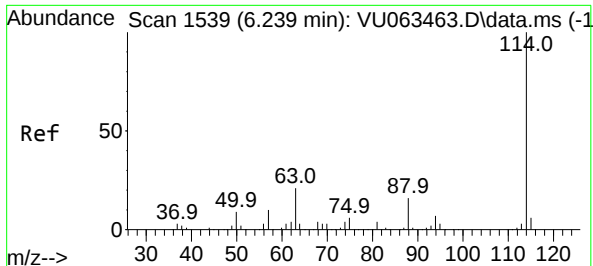
Tgt Ion:	56	Resp:	2835
Ion Ratio	Lower	Upper	
56	100		
69	180.4	27.0	40.4#
84	107.3	65.7	98.5#



#33
1,2-Dichloroethane-d4
Concen: 50.072 ug/l
RT: 5.692 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion:	65	Resp:	77022
Ion Ratio	Lower	Upper	
65	100		
67	49.9	0.0	107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.238 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL02

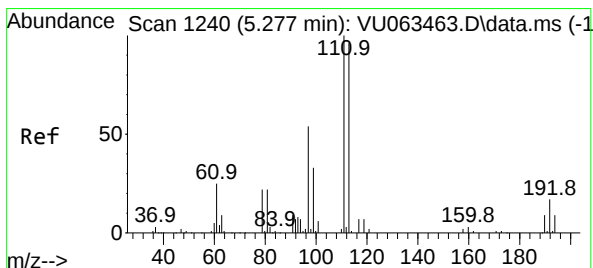
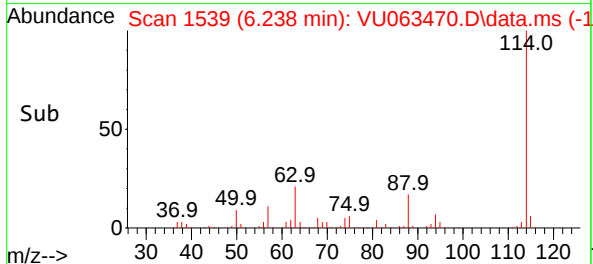
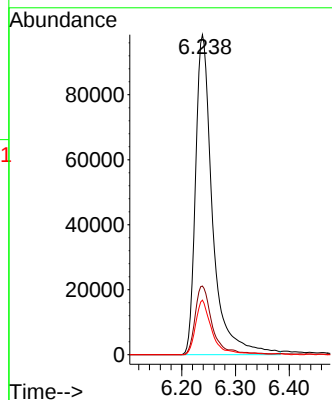
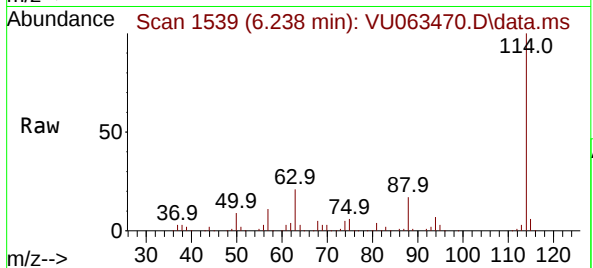
Tgt Ion:114 Resp: 216924

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

88 17.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 44.943 ug/l

RT: 5.277 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

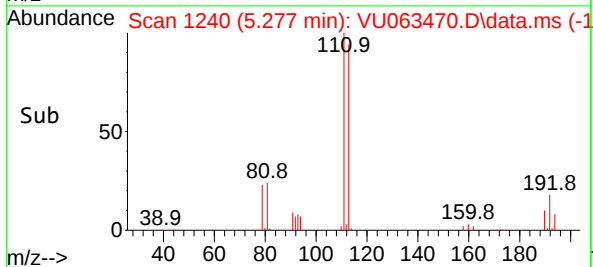
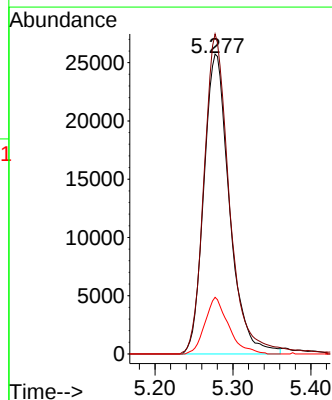
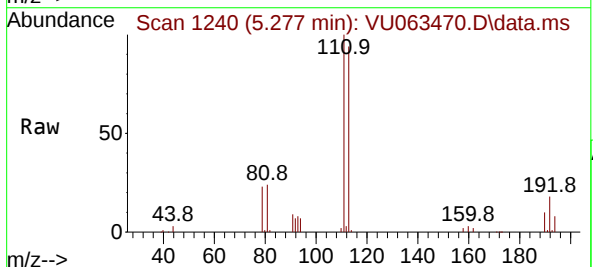
Tgt Ion:113 Resp: 58767

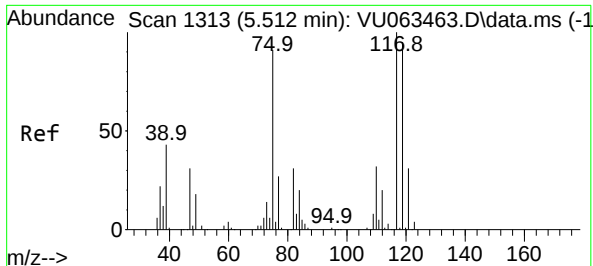
Ion Ratio Lower Upper

113 100

111 106.2 82.1 123.1

192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 6.219 ug/l

RT: 5.361 min Scan# 11049

Delta R.T. -0.151 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL02

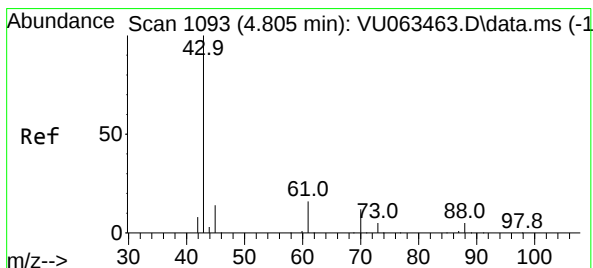
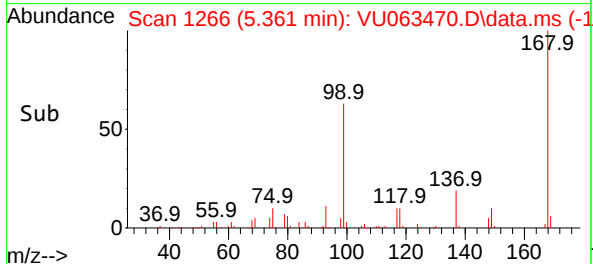
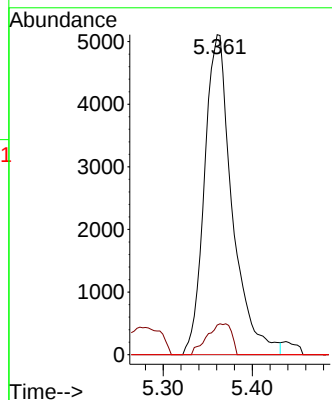
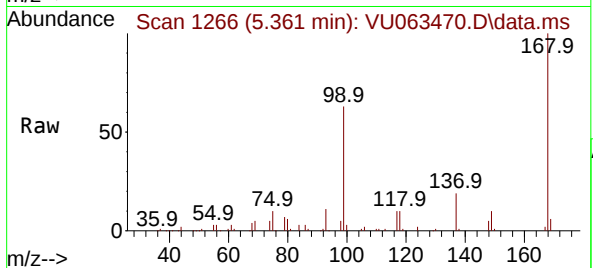
Tgt Ion: 75 Resp: 11049

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 23.9 35.9#



#37

Ethyl Acetate

Concen: 0.047 ug/l

RT: 4.814 min Scan# 1096

Delta R.T. 0.009 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

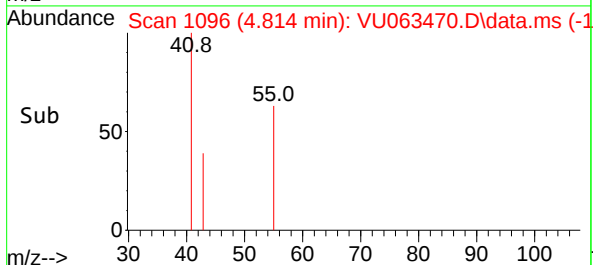
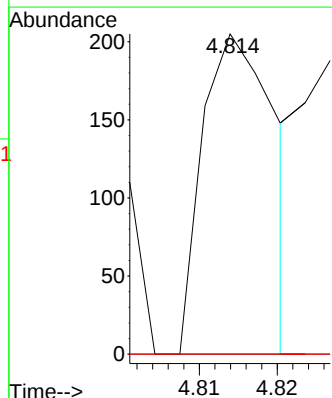
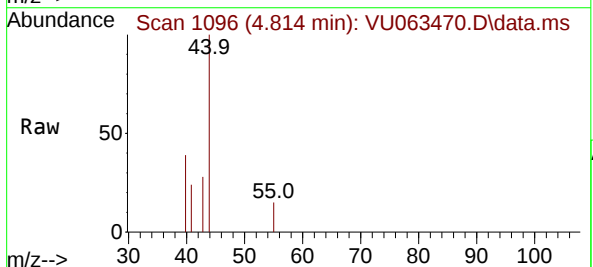
Tgt Ion: 43 Resp: 134

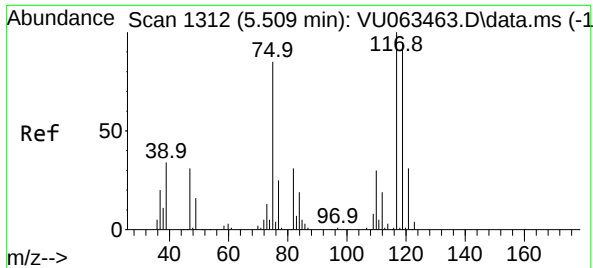
Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

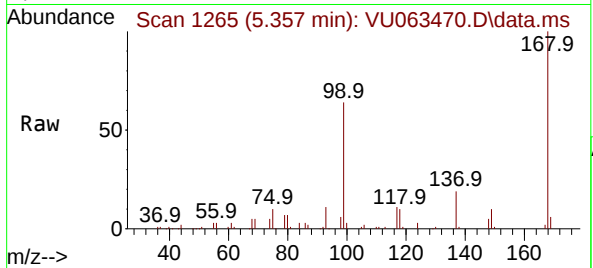
70 0.0 7.8 11.8#



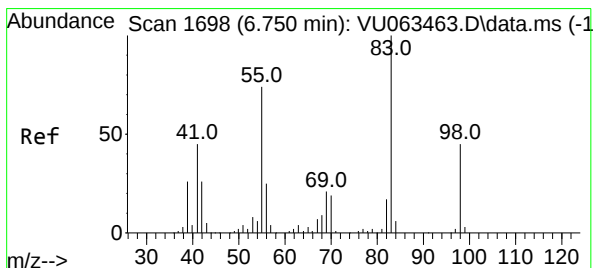
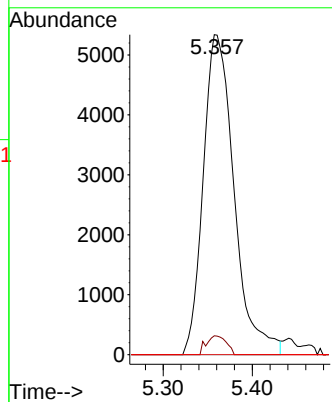
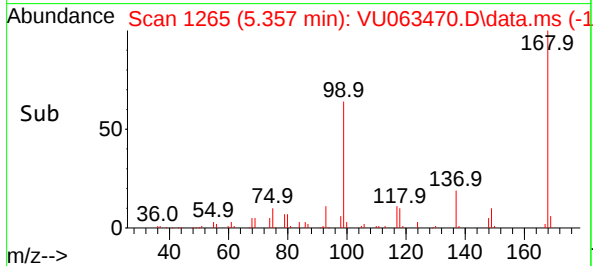


#38
Carbon Tetrachloride
Concen: 6.562 ug/l
RT: 5.357 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

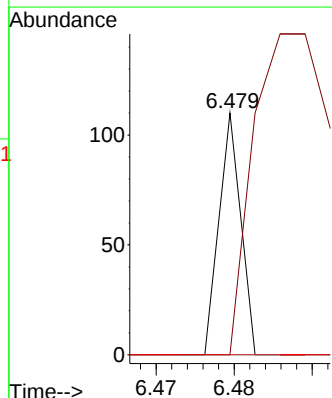
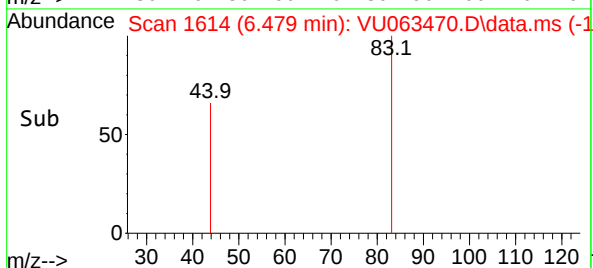
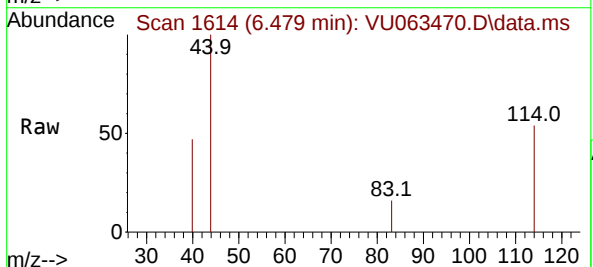


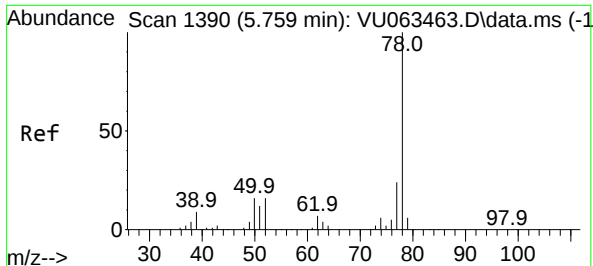
Tgt Ion:117 Resp: 12847
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 0.010 ug/l
RT: 6.479 min Scan# 1614
Delta R.T. -0.270 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 83 Resp: 21
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.2#
98 0.0 36.2 54.4#

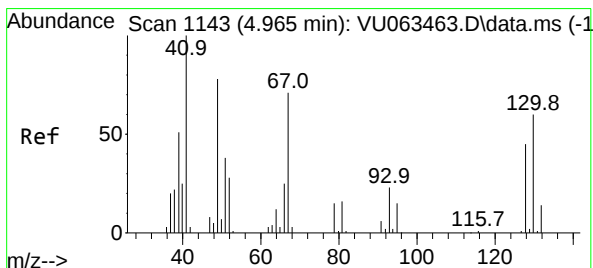
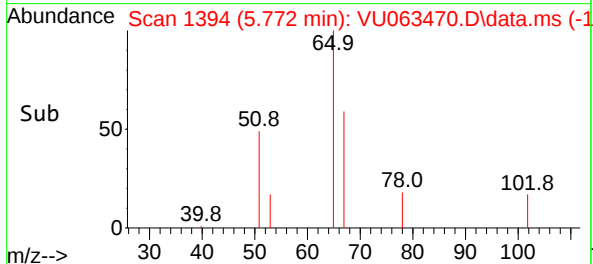
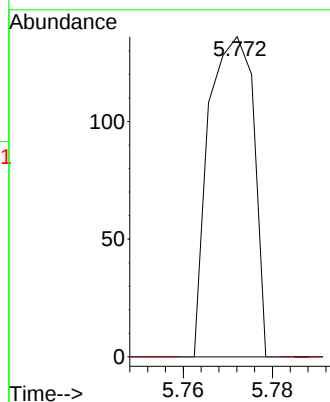
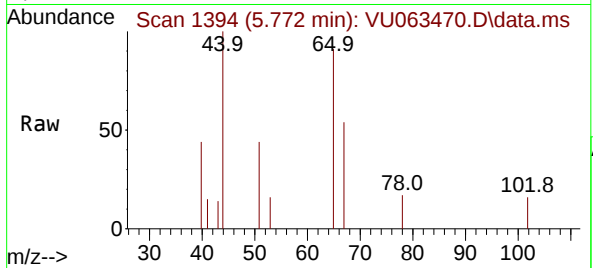




#40
Benzene
Concen: 0.017 ug/l
RT: 5.772 min Scan# 1140
Delta R.T. 0.013 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

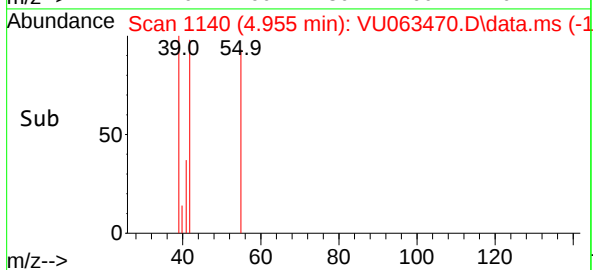
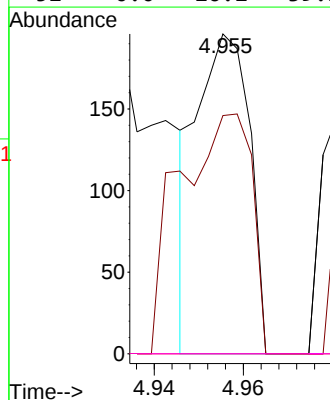
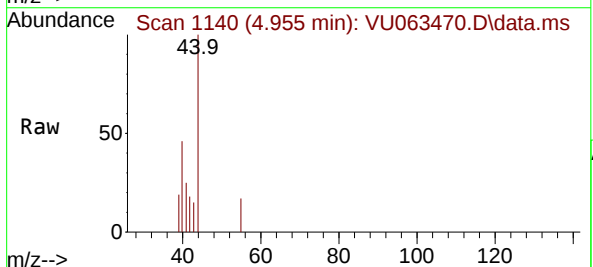
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

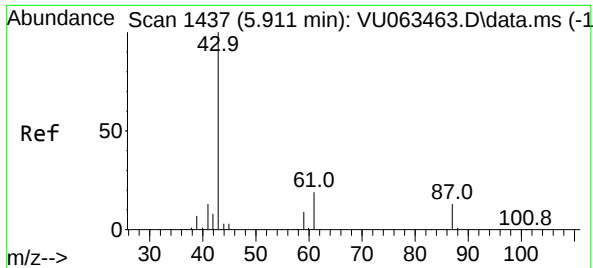
Tgt Ion: 78 Resp: 95
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.4#



#41
Methacrylonitrile
Concen: 0.118 ug/l
RT: 4.955 min Scan# 1140
Delta R.T. -0.010 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 41 Resp: 160
Ion Ratio Lower Upper
41 100
39 103.8 43.6 65.4#
67 0.0 62.8 94.2#
52 0.0 26.2 39.2#

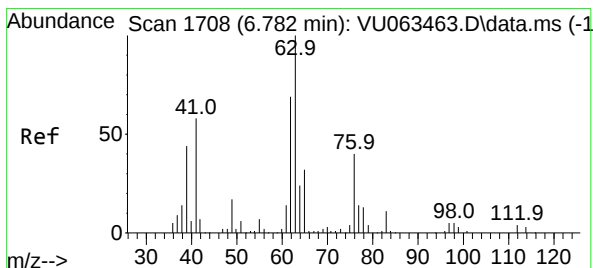
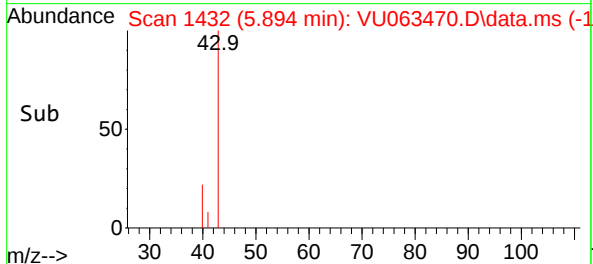
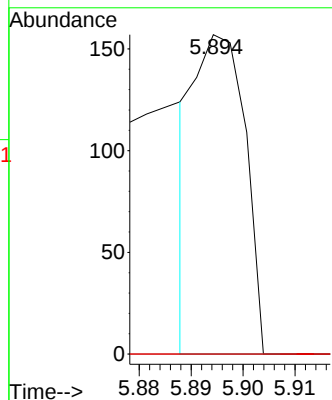
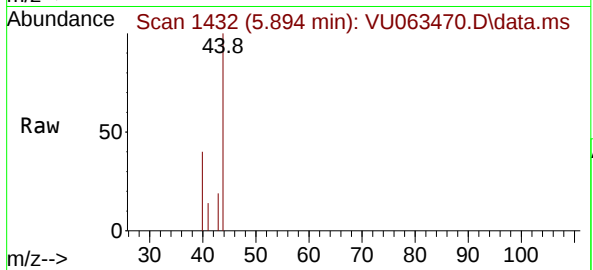




#43
Isopropyl Acetate
Concen: 0.028 ug/l
RT: 5.894 min Scan# 1437
Delta R.T. -0.016 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

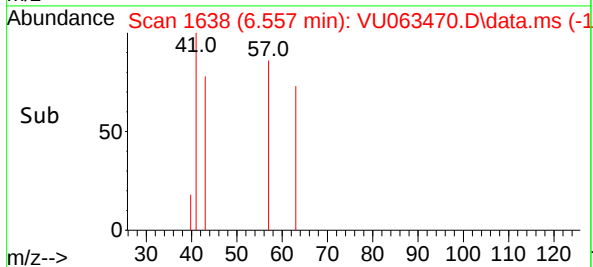
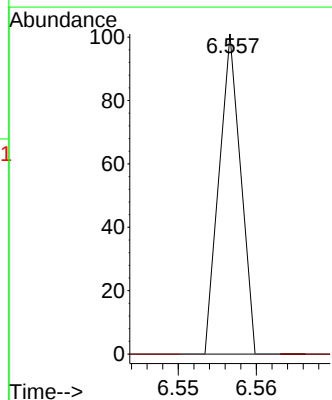
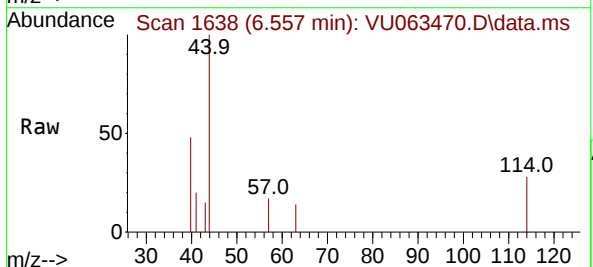
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

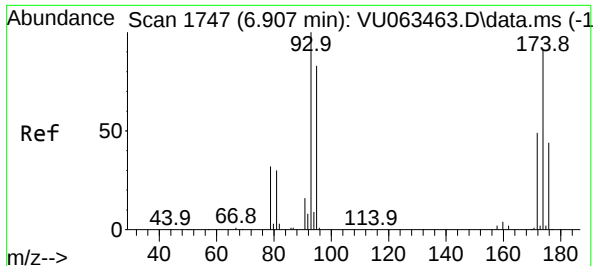
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.2#
87 0.0 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.012 ug/l
RT: 6.557 min Scan# 1638
Delta R.T. -0.225 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
65 0.0 25.3 37.9#

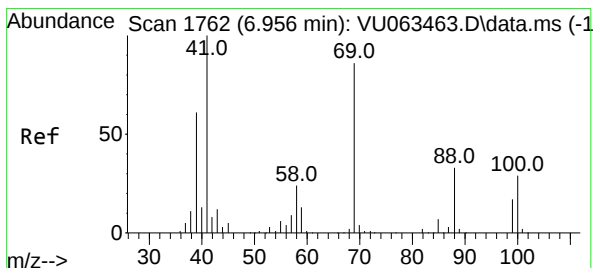
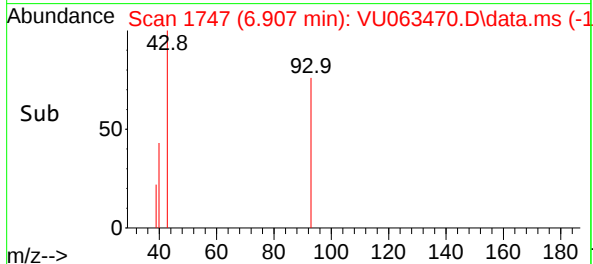
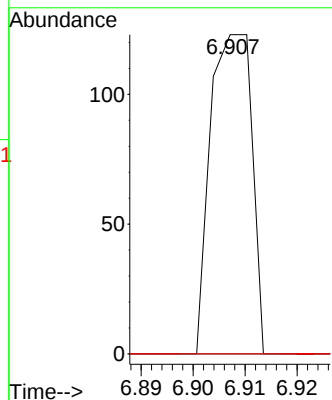
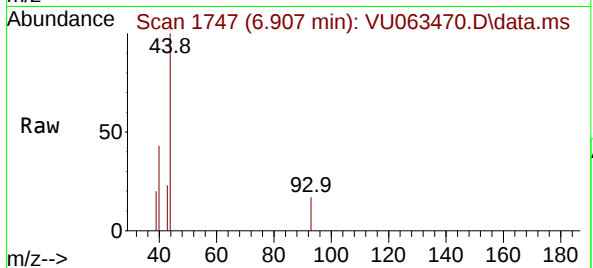




#46
Dibromomethane
Concen: 0.062 ug/l
RT: 6.907 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

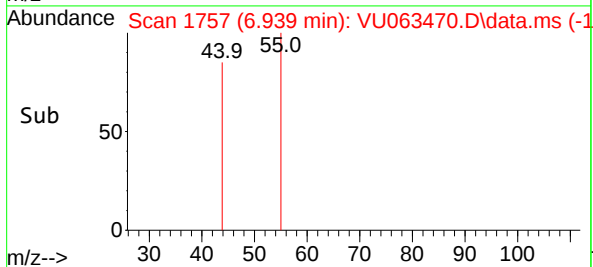
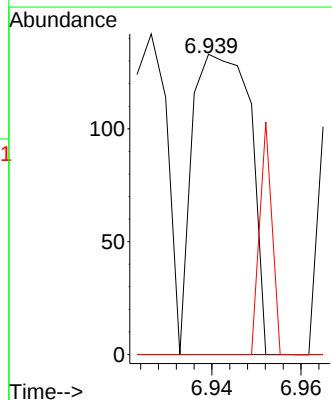
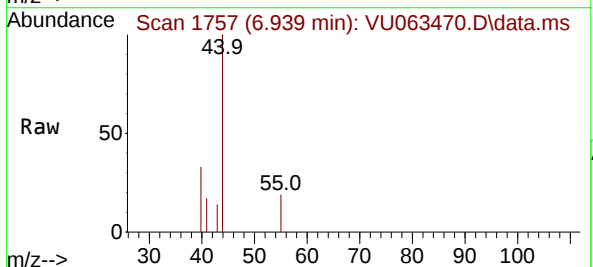
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

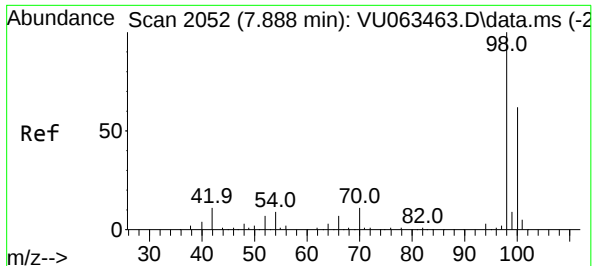
Tgt Ion: 93 Resp: 68
Ion Ratio Lower Upper
93 100
95 0.0 67.5 101.3#
174 0.0 73.1 109.7#



#48
Methyl methacrylate
Concen: 0.067 ug/l
RT: 6.939 min Scan# 1757
Delta R.T. -0.016 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 41 Resp: 119
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.8#
39 16.8 48.3 72.5#

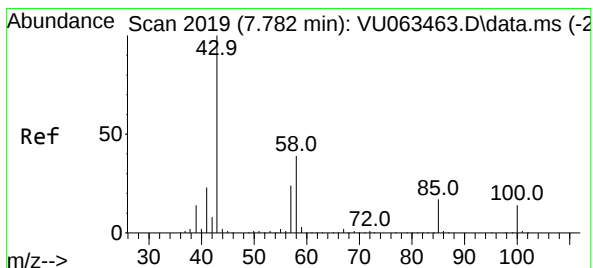
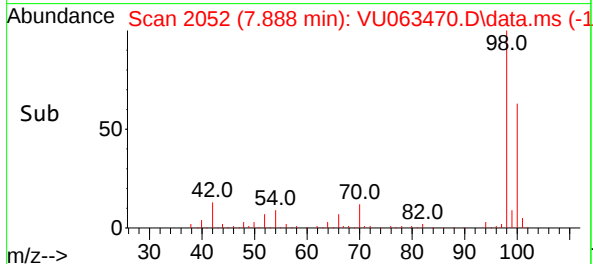
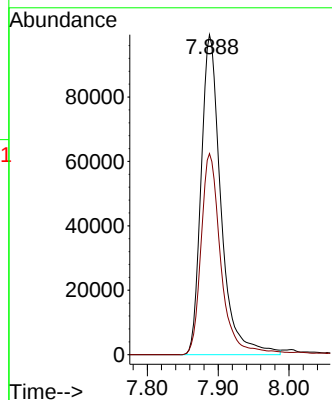
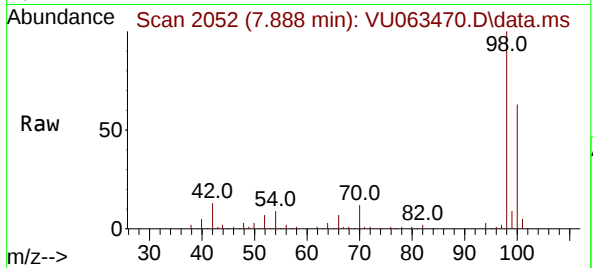




#50
Toluene-d8
Concen: 45.248 ug/l
RT: 7.888 min Scan# 2052
Delta R.T. -0.000 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

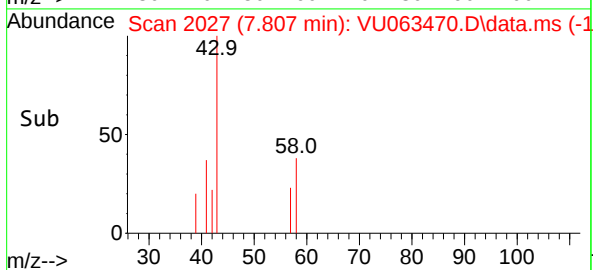
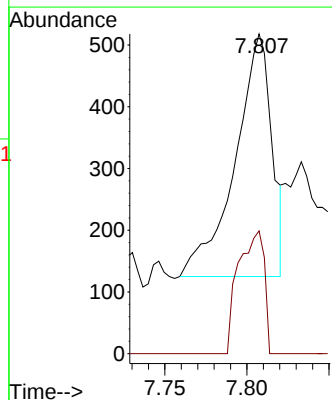
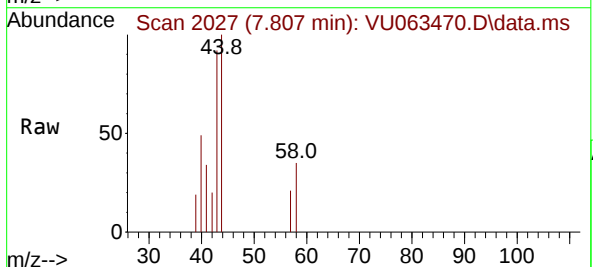
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

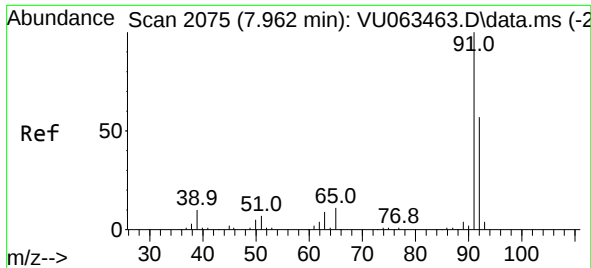
Tgt Ion: 98 Resp: 192861
Ion Ratio Lower Upper
98 100
100 63.2 48.1 72.1



#51
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 7.807 min Scan# 2027
Delta R.T. 0.025 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
58 35.5 31.0 46.4





#52

Toluene

Concen: 0.012 ug/l

RT: 7.975 min Scan# 2075

Delta R.T. 0.013 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_U

ClientSampleId :

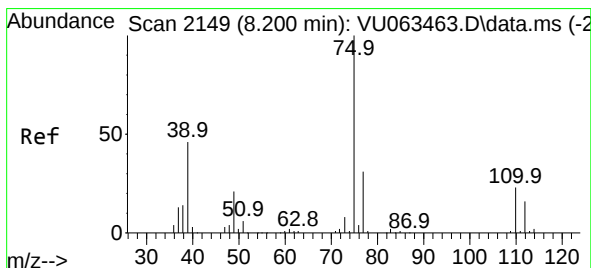
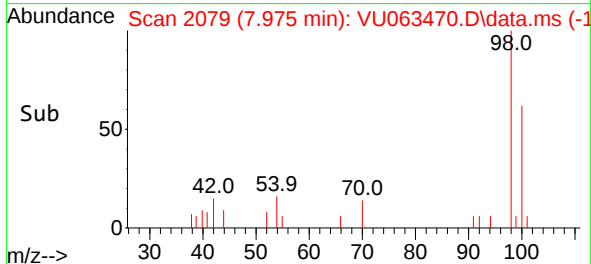
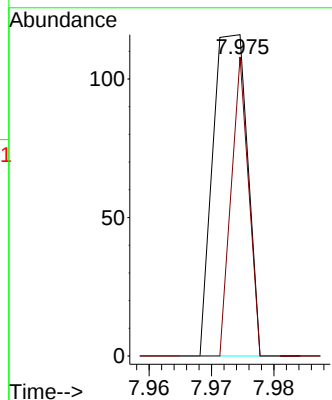
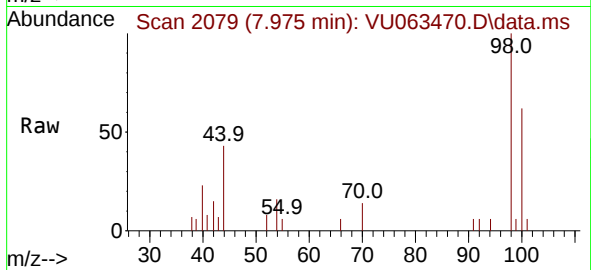
VU0710WBL02

Tgt Ion: 92 Resp: 45

Ion Ratio Lower Upper

92 100

91 46.7 144.5 216.7#



#53

t-1,3-Dichloropropene

Concen: 0.033 ug/l

RT: 8.219 min Scan# 2155

Delta R.T. 0.019 min

Lab File: VU063470.D

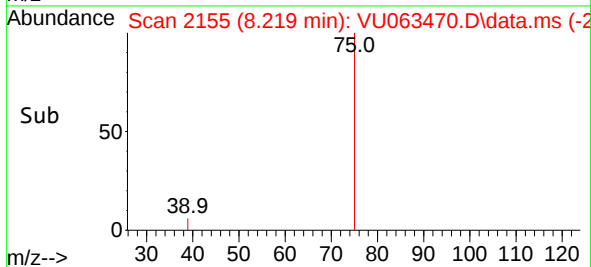
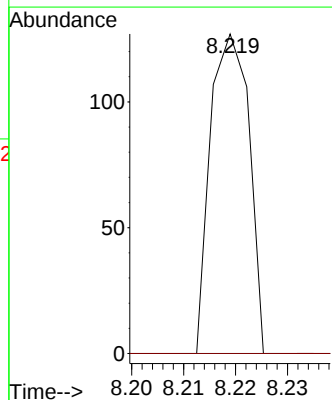
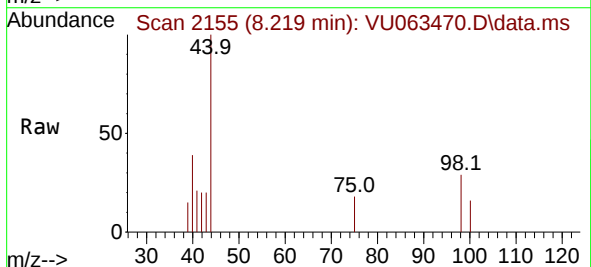
Acq: 10 Jul 2025 10:41

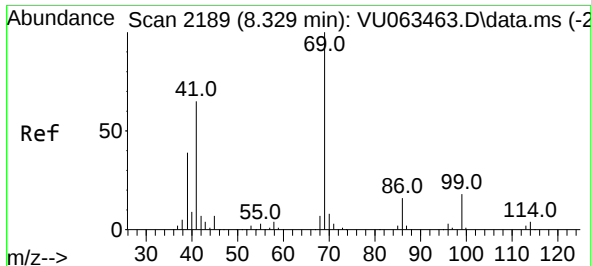
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

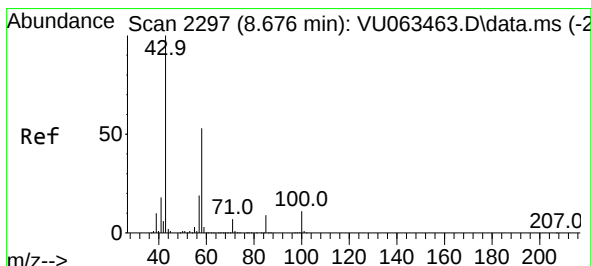
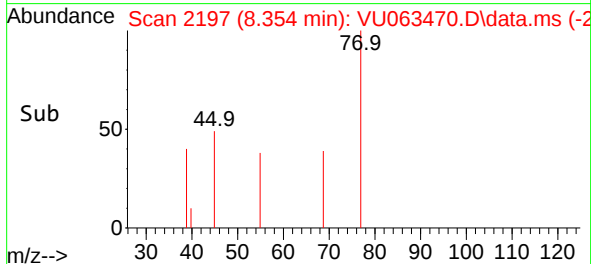
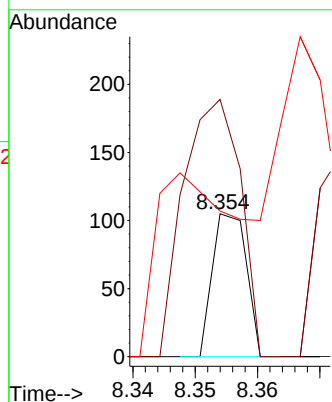
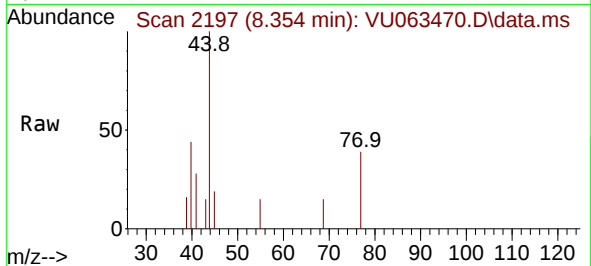




#56
Ethyl methacrylate
Concen: 0.016 ug/l
RT: 8.354 min Scan# 2189
Delta R.T. 0.025 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

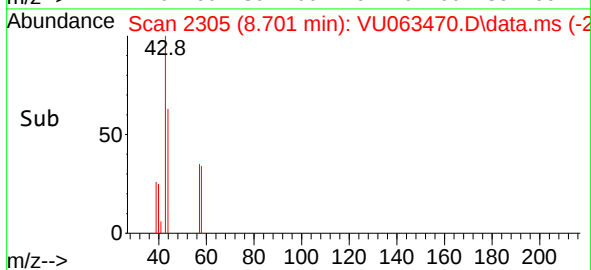
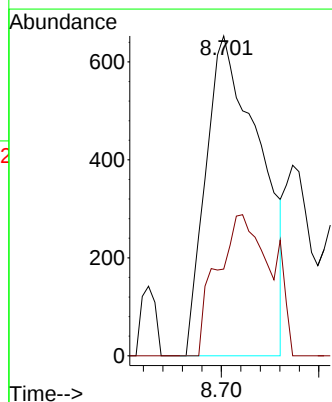
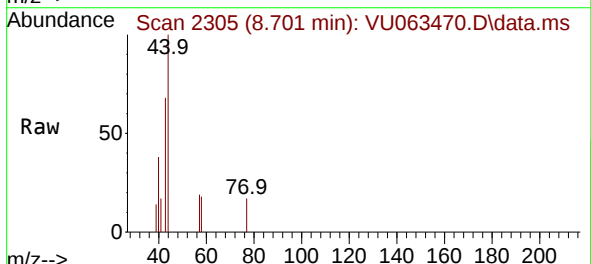
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

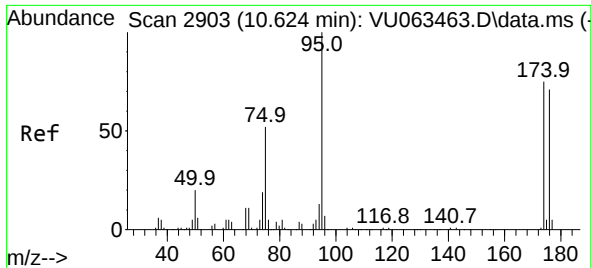
Tgt Ion: 69 Resp: 40
Ion Ratio Lower Upper
69 100
41 300.0 53.0 79.6#
39 282.5 31.0 46.4#



#59
2-Hexanone
Concen: 0.602 ug/l
RT: 8.701 min Scan# 2305
Delta R.T. 0.025 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
58 43.9 26.9 80.7

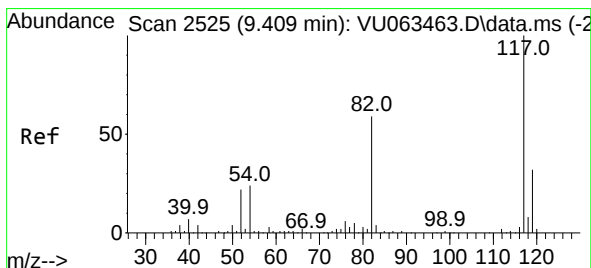
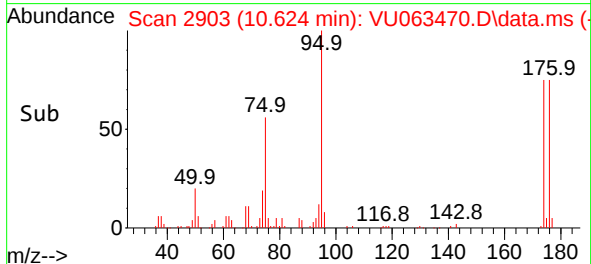
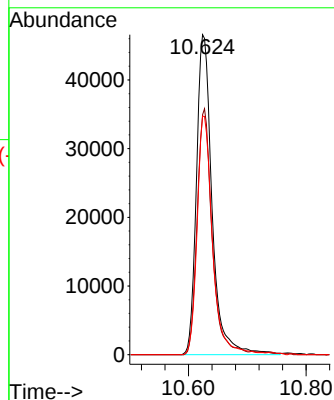
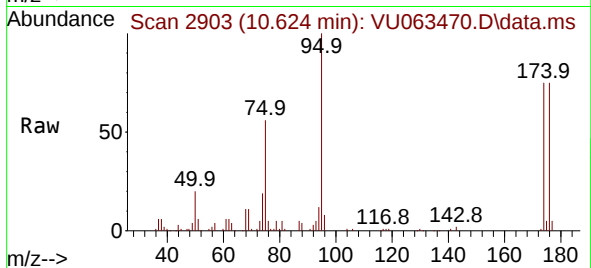




#62
4-Bromofluorobenzene
Concen: 46.124 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

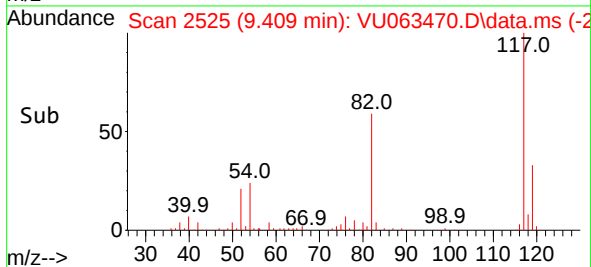
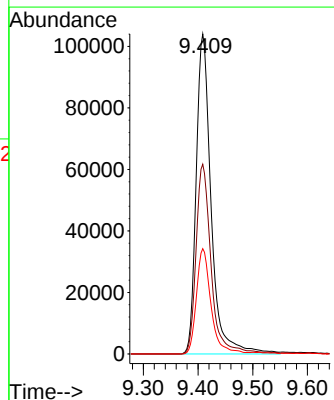
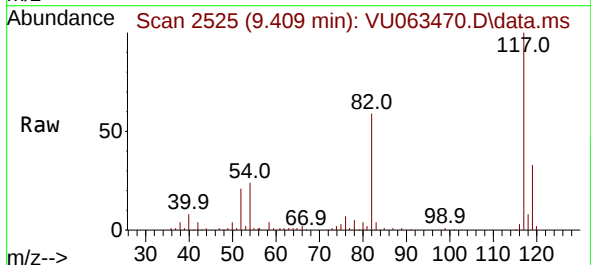
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

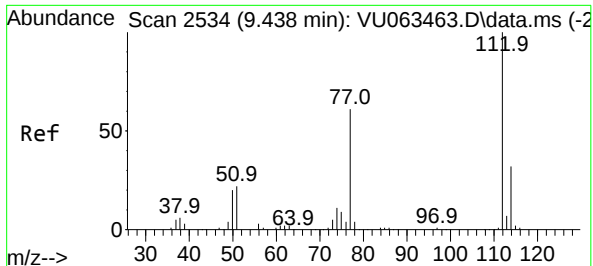
Tgt Ion: 95 Resp: 85991
Ion Ratio Lower Upper
95 100
174 73.7 0.0 153.6
176 73.3 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.409 min Scan# 2525
Delta R.T. -0.000 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 117 Resp: 197625
Ion Ratio Lower Upper
117 100
82 59.3 47.1 70.7
119 32.9 25.4 38.0

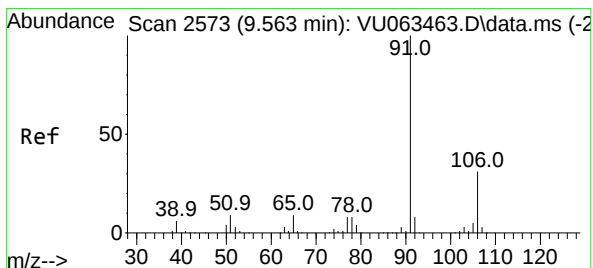
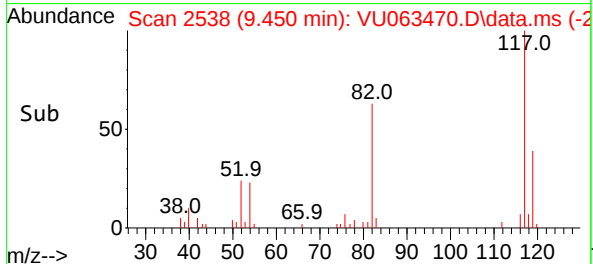
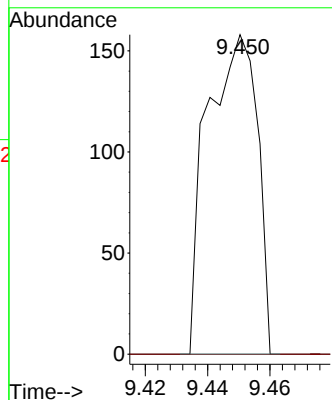
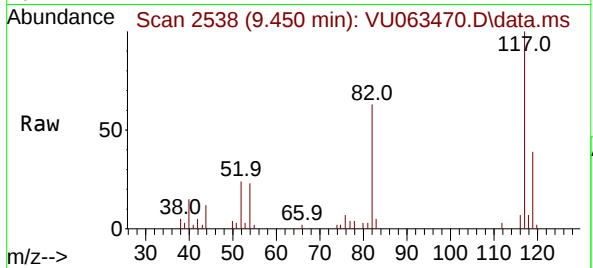




#65
Chlorobenzene
Concen: 0.043 ug/l
RT: 9.450 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

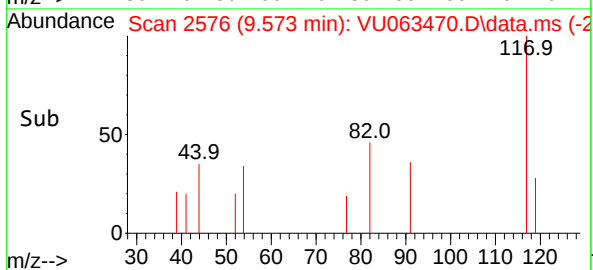
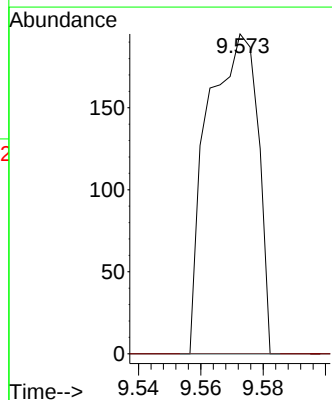
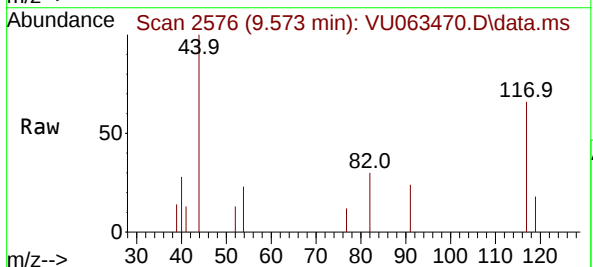
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

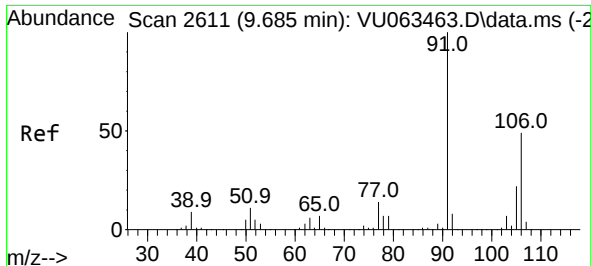
Tgt Ion:112 Resp: 176
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



#67
Ethyl Benzene
Concen: 0.031 ug/l
RT: 9.573 min Scan# 2576
Delta R.T. 0.009 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 218
Ion Ratio Lower Upper
91 100
106 0.0 24.5 36.7#

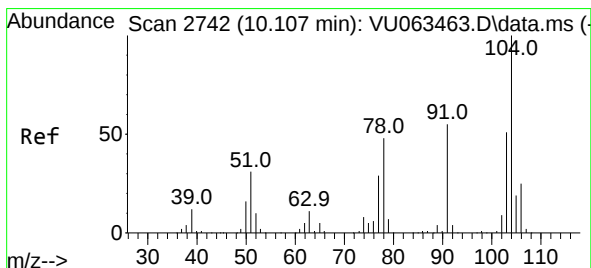
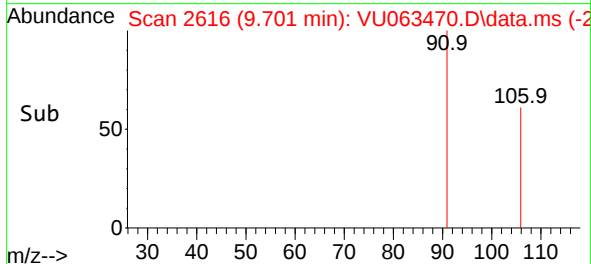
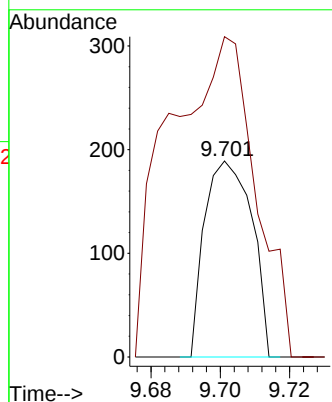
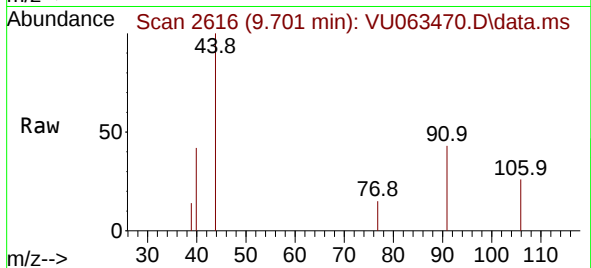




#68
m/p-Xylenes
Concen: 0.066 ug/l
RT: 9.701 min Scan# 20
Delta R.T. 0.016 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

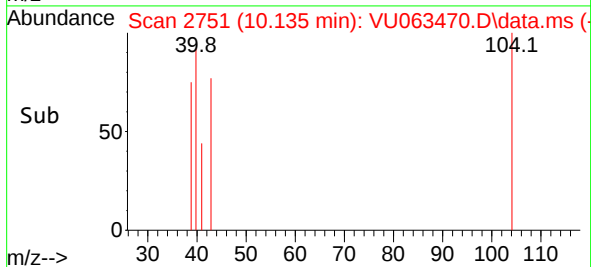
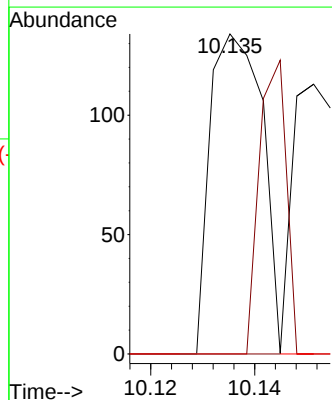
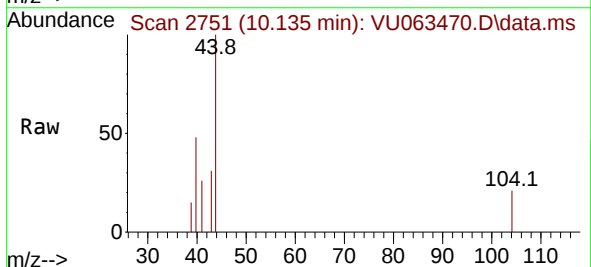
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

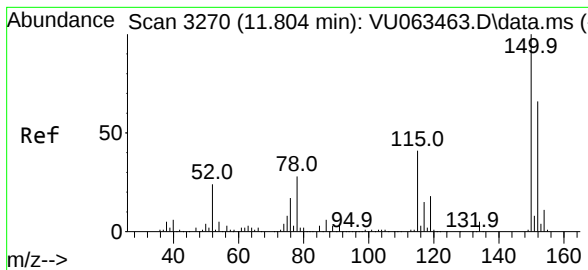
Tgt Ion:106 Resp: 179
Ion Ratio Lower Upper
106 100
91 299.4 163.6 245.4#



#70
Styrene
Concen: 0.021 ug/l
RT: 10.135 min Scan# 2751
Delta R.T. 0.029 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion:104 Resp: 93
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.0#
103 0.0 44.3 66.5#

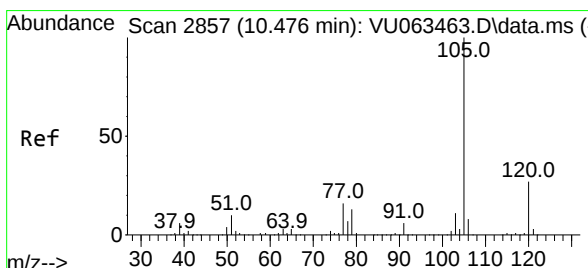
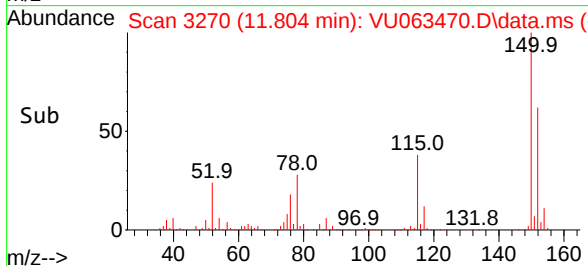
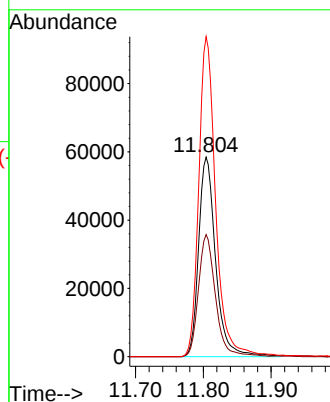
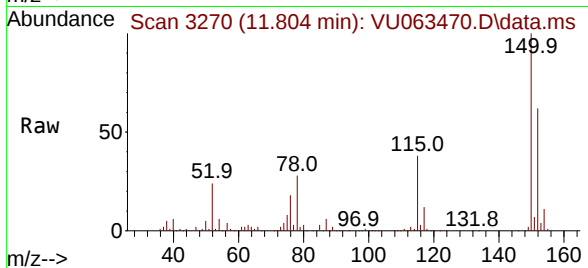




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.804 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

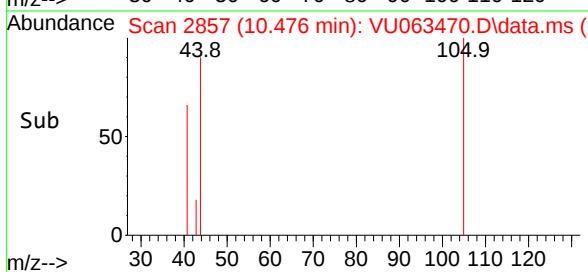
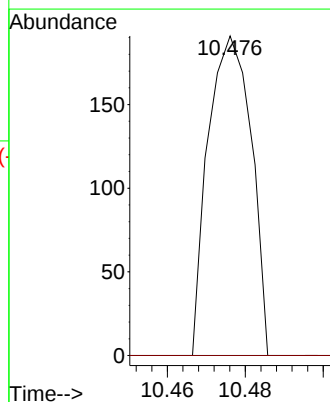
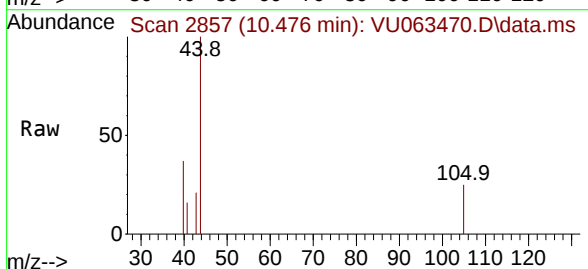
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL02

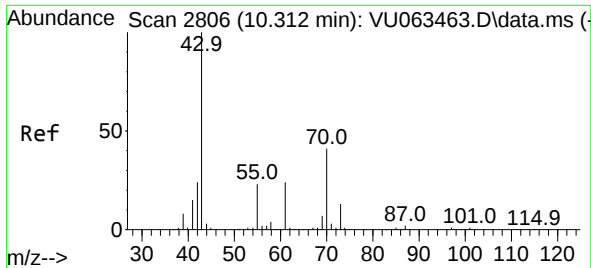
Tgt Ion:152 Resp: 102292
 Ion Ratio Lower Upper
 152 100
 115 61.0 43.4 130.2
 150 158.5 0.0 341.4



#73
 Isopropylbenzene
 Concen: 0.021 ug/l
 RT: 10.476 min Scan# 2857
 Delta R.T. -0.000 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

Tgt Ion:105 Resp: 147
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.1 39.1#

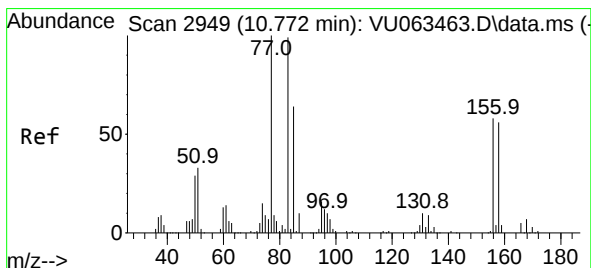
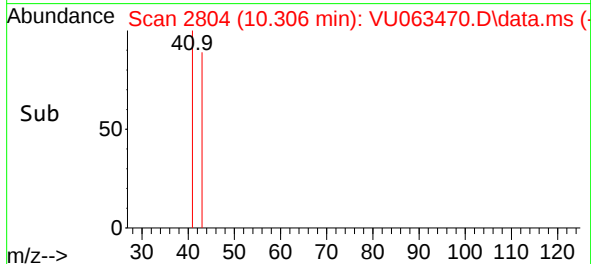
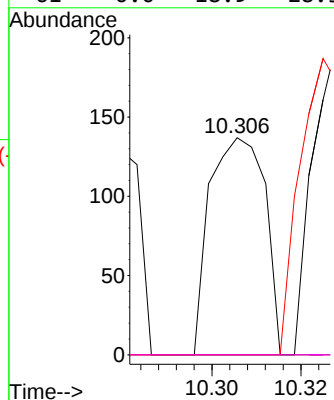
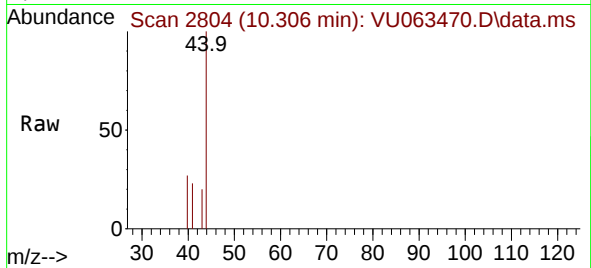




#74
N-amy1 acetate
Concen: 0.038 ug/l
RT: 10.306 min Scan# 218
Delta R.T. -0.007 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

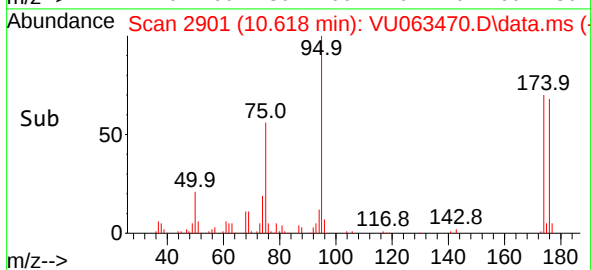
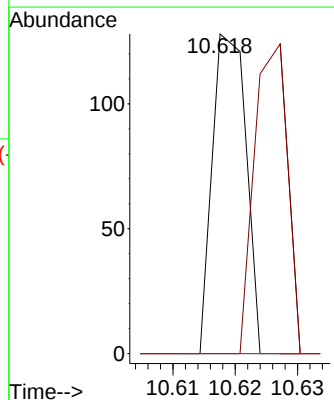
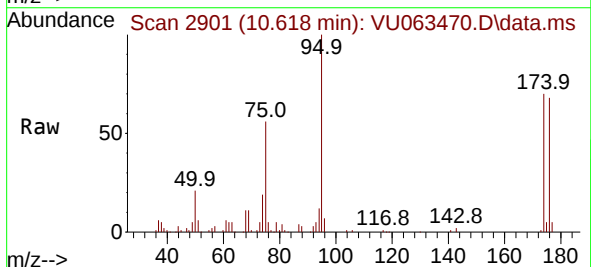
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

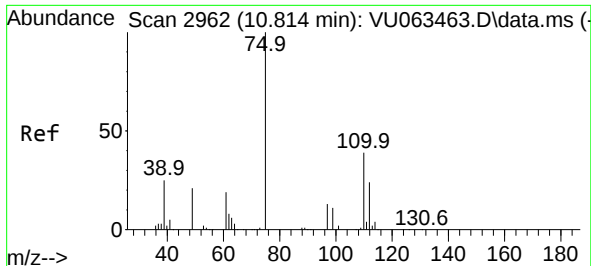
Tgt Ion:	43	Resp:	118
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.6	48.8#
55	138.1	18.6	27.8#
61	0.0	18.9	28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.019 ug/l
RT: 10.618 min Scan# 2901
Delta R.T. -0.155 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion:	83	Resp:	48
Ion	Ratio	Lower	Upper
83	100		
131	95.8	4.8	14.3#
85	0.0	32.3	96.8#

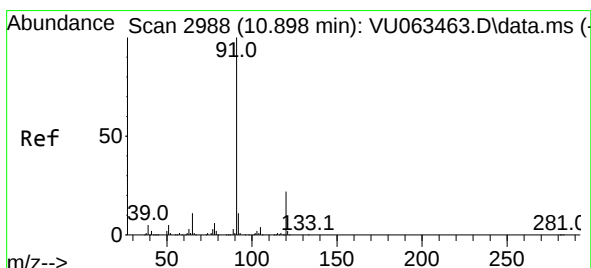
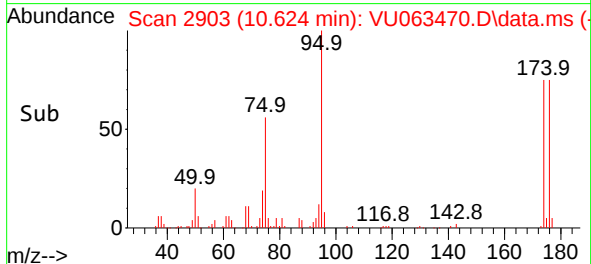
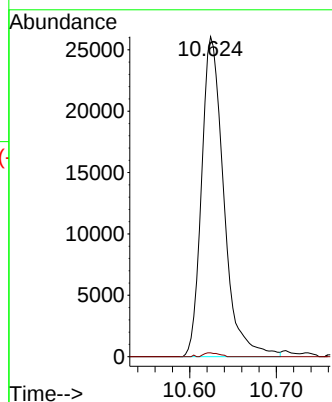
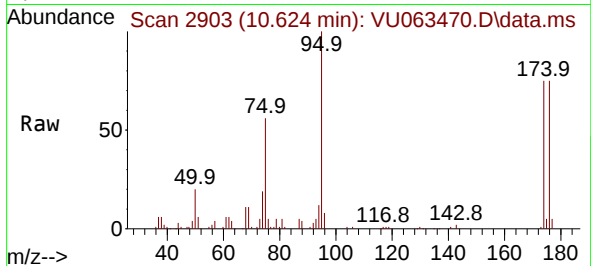




#76
1,2,3-Trichloropropane
Concen: 17.185 ug/l
RT: 10.624 min Scan# 2962
Delta R.T. -0.190 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

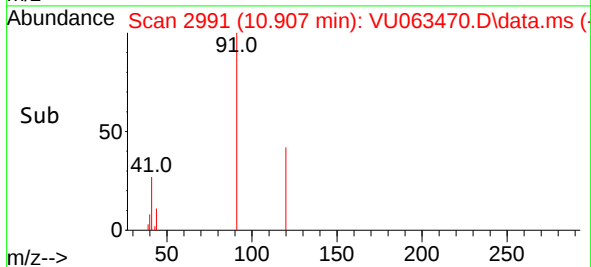
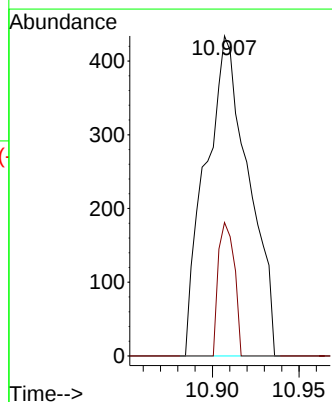
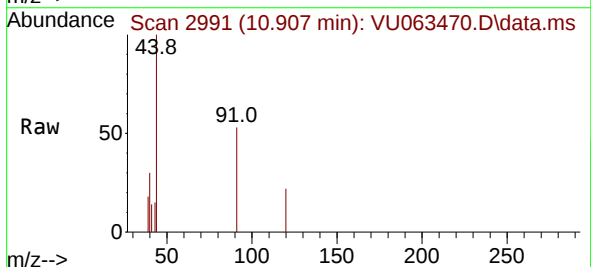
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

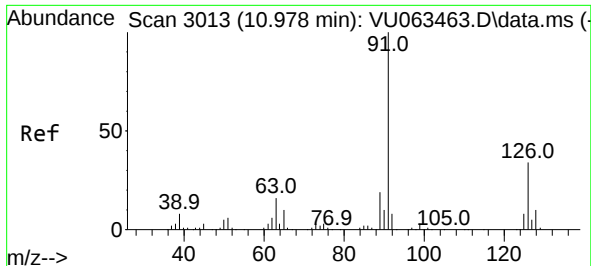
Tgt Ion: 75 Resp: 46581
Ion Ratio Lower Upper
75 100
77 0.8 3.1 9.4#



#78
n-propylbenzene
Concen: 0.093 ug/l
RT: 10.907 min Scan# 2991
Delta R.T. 0.009 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 748
Ion Ratio Lower Upper
91 100
120 15.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.076 ug/l

RT: 11.097 min Scan# 3013

Delta R.T. 0.119 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_U

ClientSampleId :

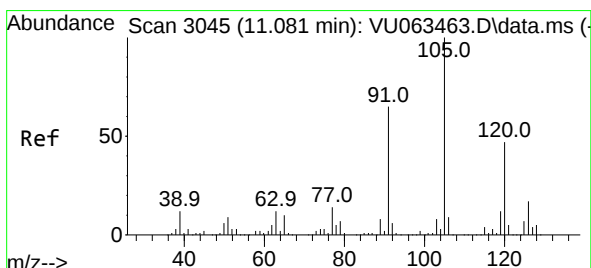
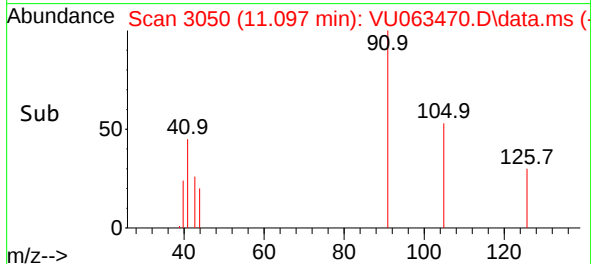
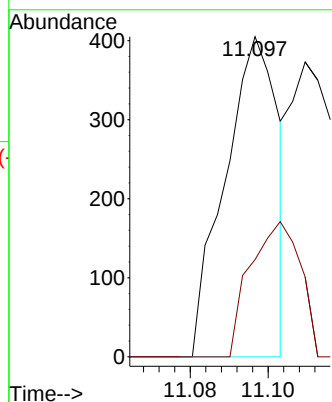
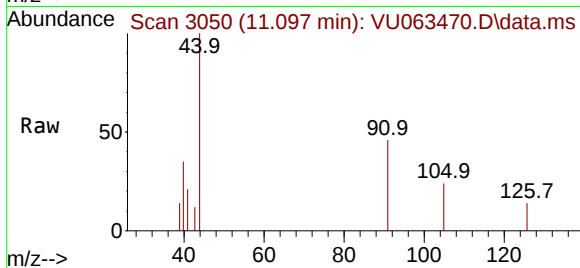
VU0710WBL02

Tgt Ion: 91 Resp: 383

Ion Ratio Lower Upper

91 100

126 39.9 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 0.042 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.009 min

Lab File: VU063470.D

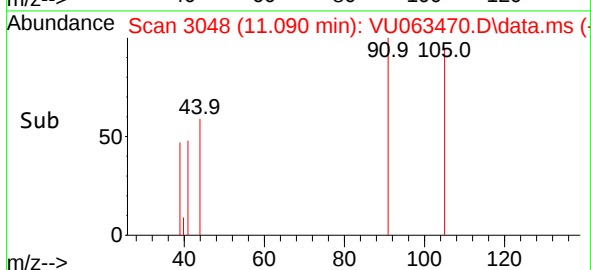
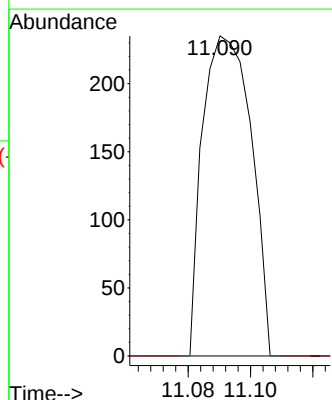
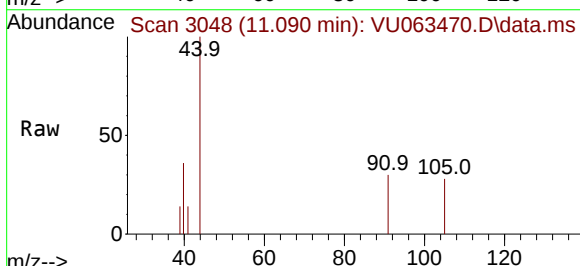
Acq: 10 Jul 2025 10:41

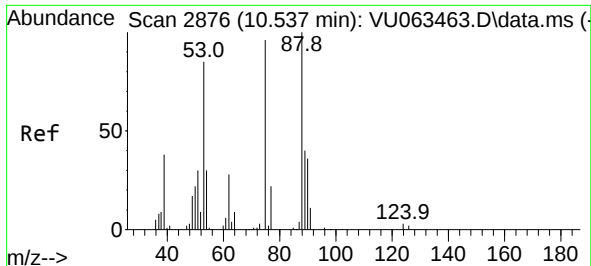
Tgt Ion: 105 Resp: 255

Ion Ratio Lower Upper

105 100

120 0.0 23.4 70.2#

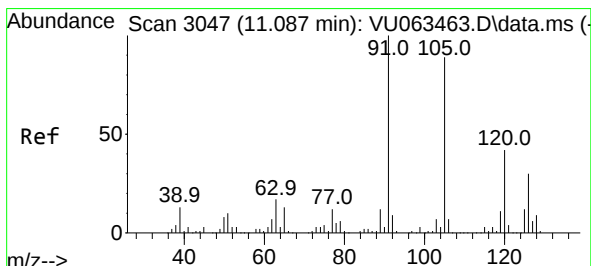
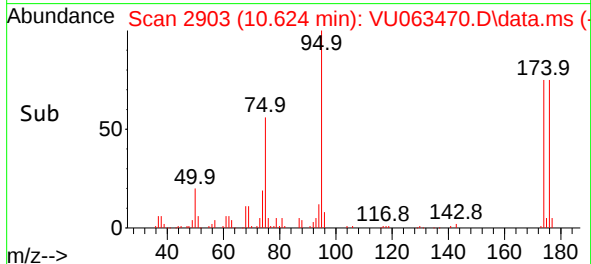
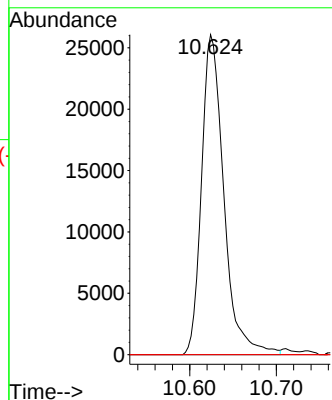
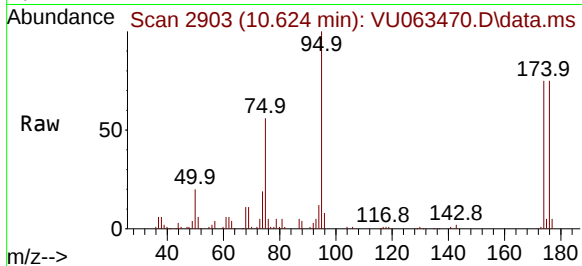




#81
trans-1,4-Dichloro-2-butene
Concen: 85.710 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. 0.087 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

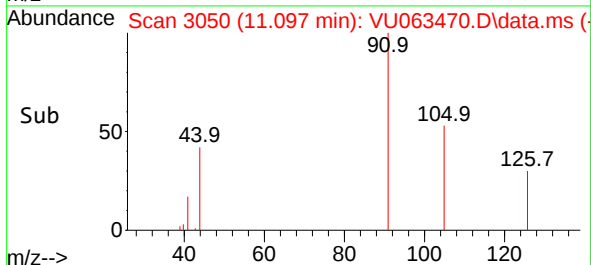
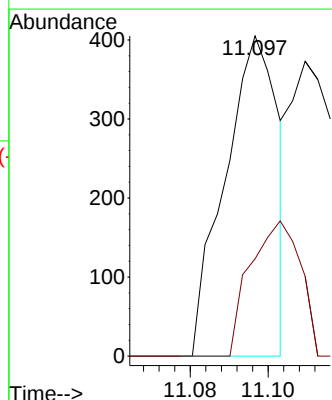
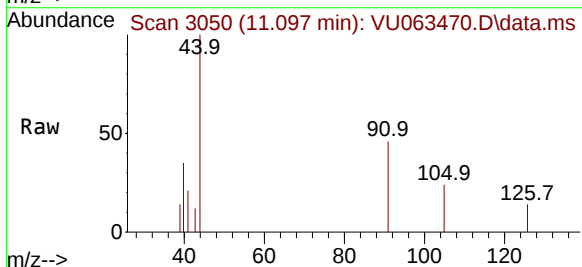
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

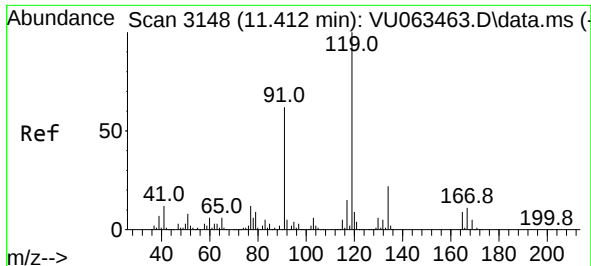
Tgt Ion: 75 Resp: 46581
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 36.3 54.5#



#82
4-Chlorotoluene
Concen: 0.067 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.009 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 383
Ion Ratio Lower Upper
91 100
126 39.9 14.4 43.2

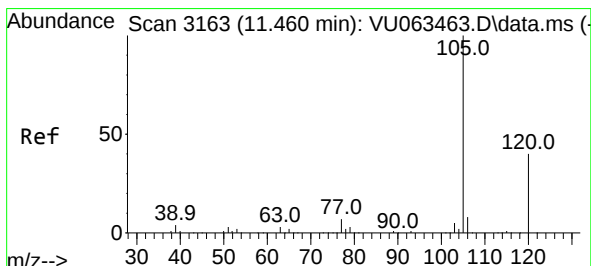
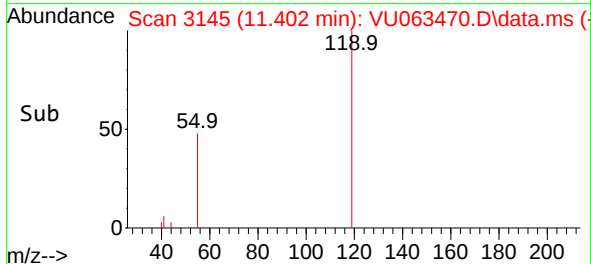
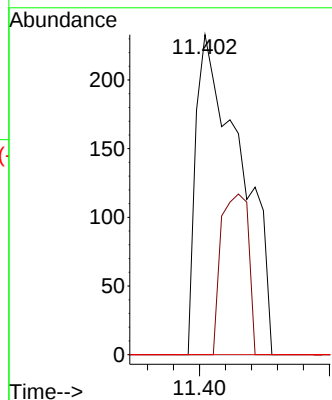
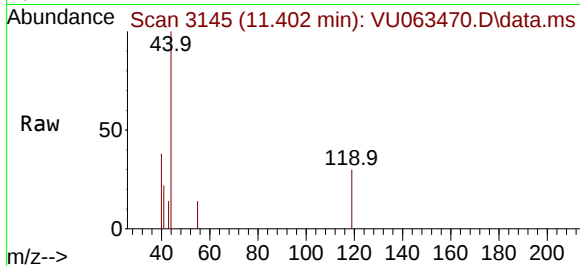




#83
 tert-Butylbenzene
 Concen: 0.048 ug/l
 RT: 11.402 min Scan# 3145
 Delta R.T. -0.010 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

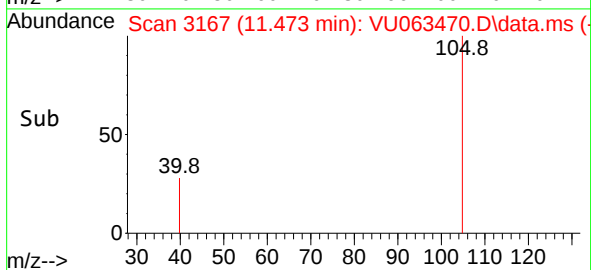
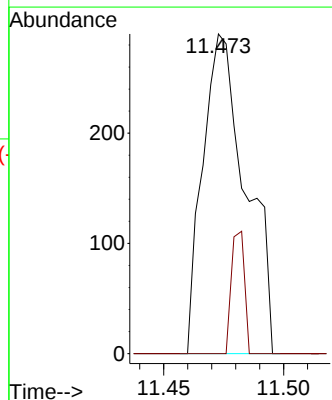
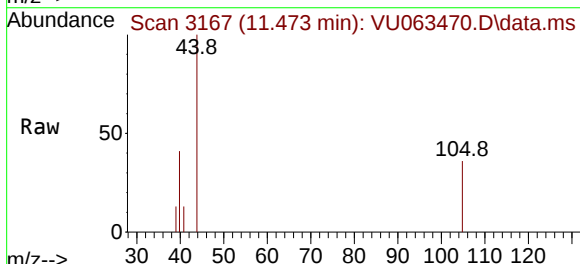
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL02

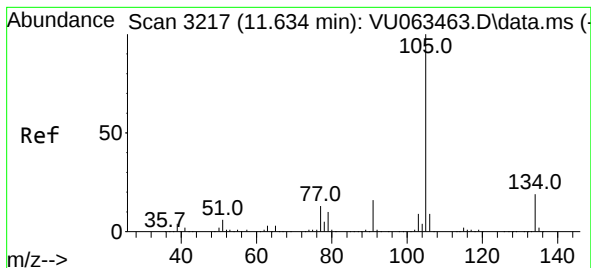
Tgt Ion:	119	Resp:	280
Ion	Ratio	Lower	Upper
119	100		
91	30.4	30.3	91.0
134	0.0	11.2	33.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.061 ug/l
 RT: 11.473 min Scan# 3167
 Delta R.T. 0.013 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

Tgt Ion:	105	Resp:	363
Ion	Ratio	Lower	Upper
105	100		
120	11.6	22.1	66.3#





#85

sec-Butylbenzene

Concen: 0.076 ug/l

RT: 11.643 min Scan# 3217

Delta R.T. 0.009 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_U

ClientSampleId :

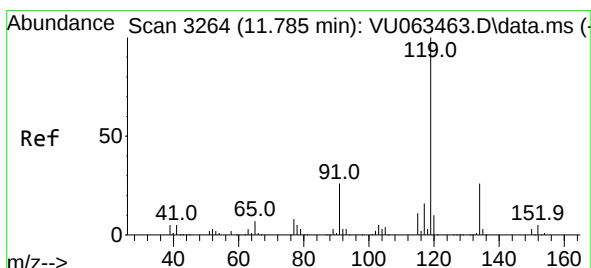
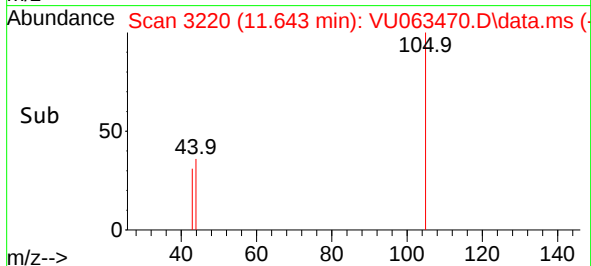
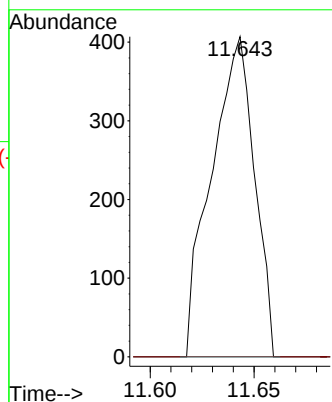
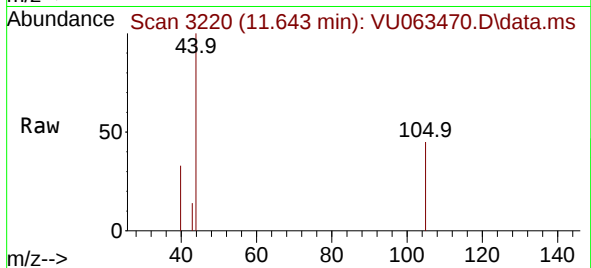
VU0710WBL02

Tgt Ion:105 Resp: 586

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#



#86

p-Isopropyltoluene

Concen: 0.064 ug/l

RT: 11.791 min Scan# 3266

Delta R.T. 0.006 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

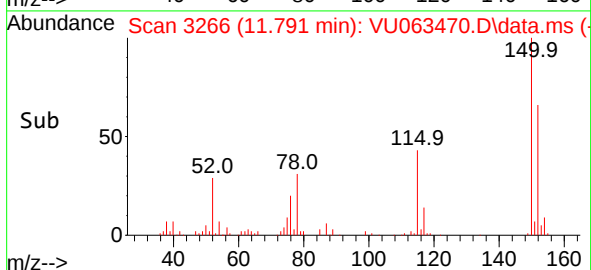
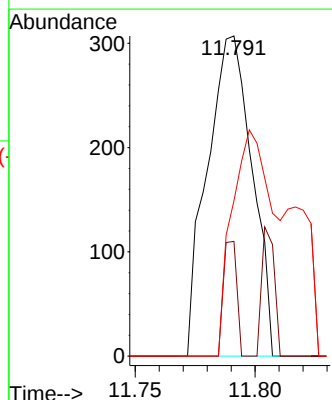
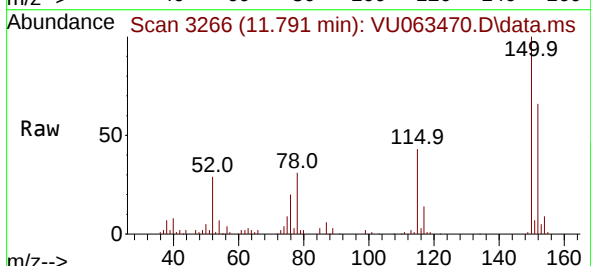
Tgt Ion:119 Resp: 398

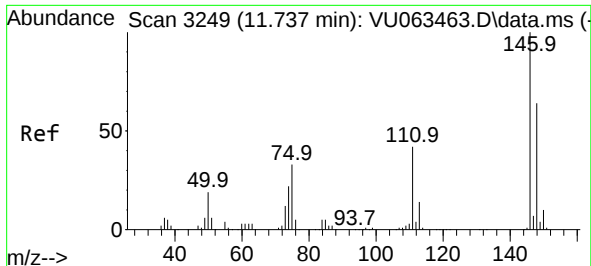
Ion Ratio Lower Upper

119 100

134 10.6 13.0 38.9#

91 0.0 13.0 38.9#

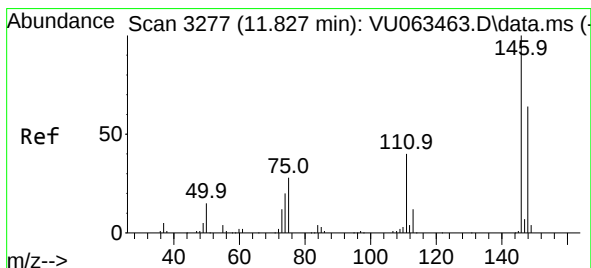
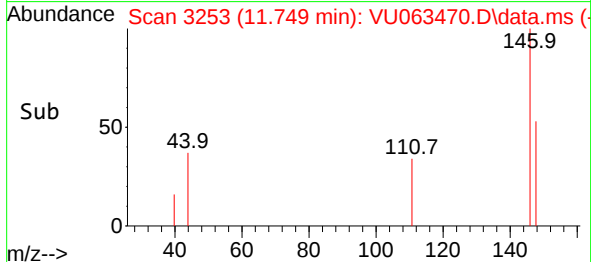
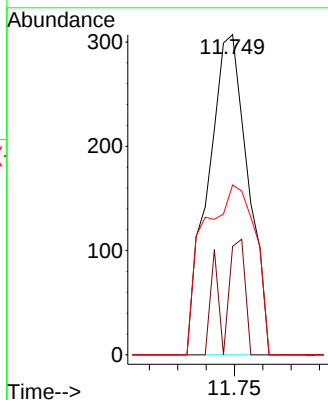
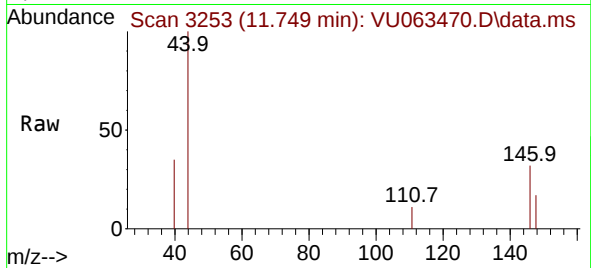




#87
 1,3-Dichlorobenzene
 Concen: 0.091 ug/l
 RT: 11.749 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

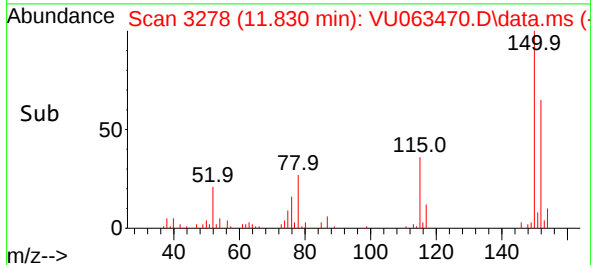
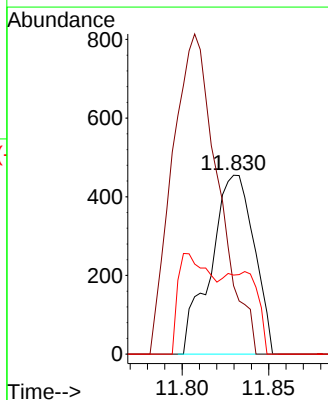
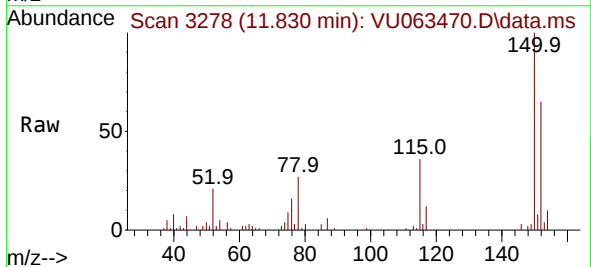
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL02

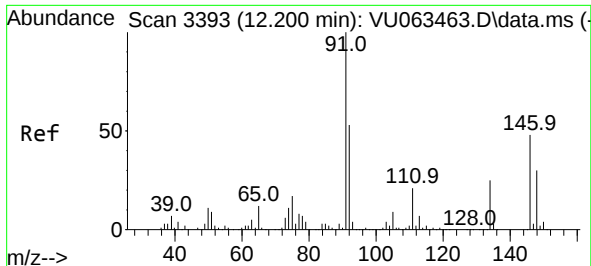
Tgt Ion:146 Resp: 299
 Ion Ratio Lower Upper
 146 100
 111 20.4 20.9 62.7#
 148 68.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 0.236 ug/l
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.003 min
 Lab File: VU063470.D
 Acq: 10 Jul 2025 10:41

Tgt Ion:146 Resp: 790
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.4#
 148 0.0 31.9 95.9#

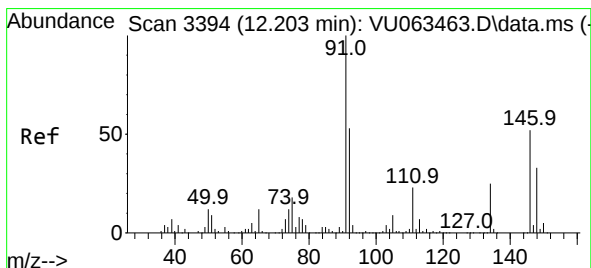
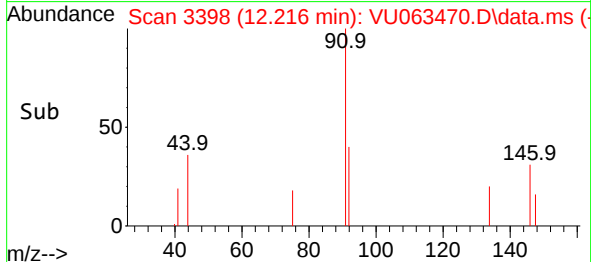
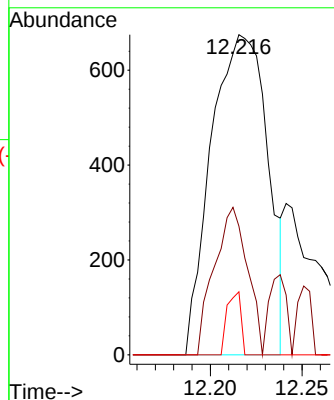
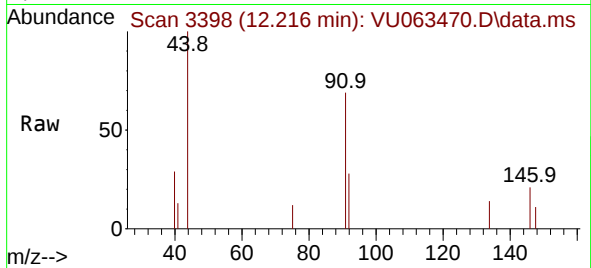




#89
n-Butylbenzene
Concen: 0.250 ug/l
RT: 12.216 min Scan# 3398
Delta R.T. 0.016 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

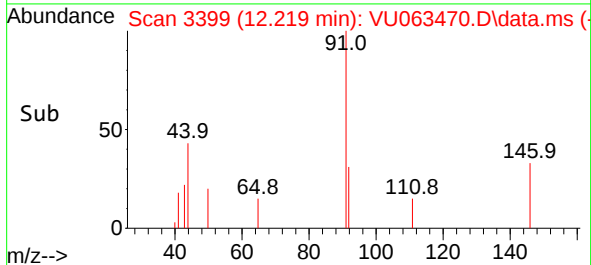
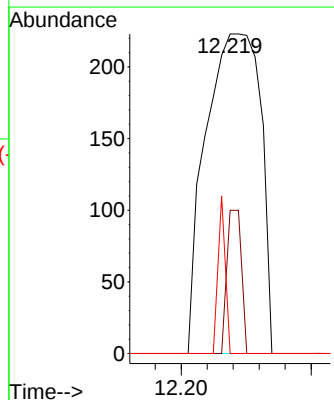
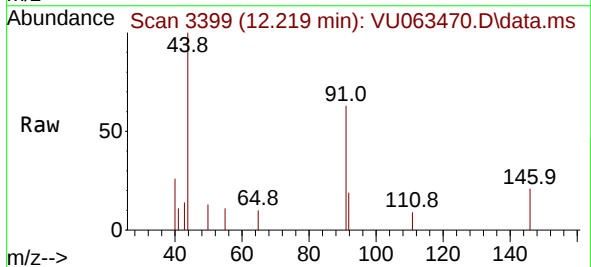
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

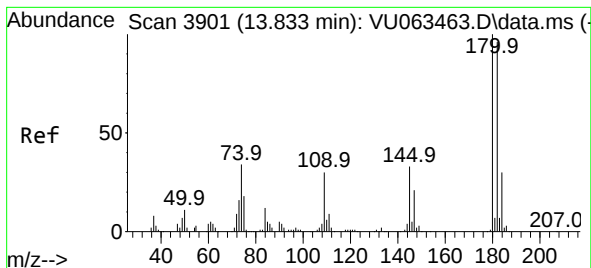
Tgt Ion: 91 Resp: 1447
Ion Ratio Lower Upper
91 100
92 27.0 26.4 79.2
134 4.8 12.4 37.0#



#91
1,2-Dichlorobenzene
Concen: 0.102 ug/l
RT: 12.219 min Scan# 3399
Delta R.T. 0.016 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Tgt Ion:146 Resp: 326
Ion Ratio Lower Upper
146 100
111 12.0 21.9 65.5#
148 6.4 31.6 95.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.280 ug/l

RT: 13.849 min Scan# 3906

Delta R.T. 0.016 min

Lab File: VU063470.D

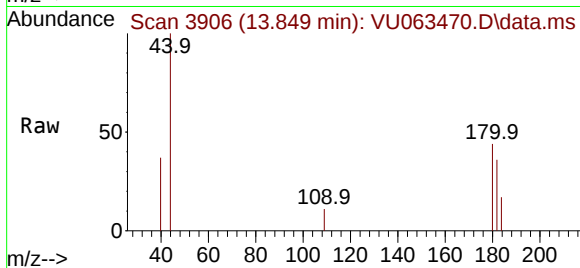
Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL02



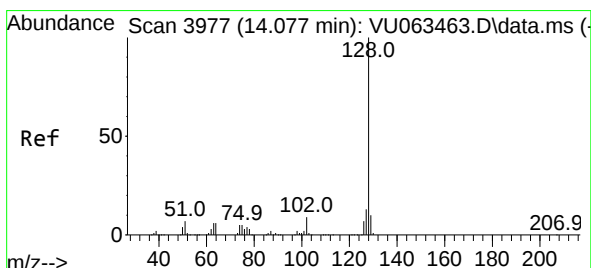
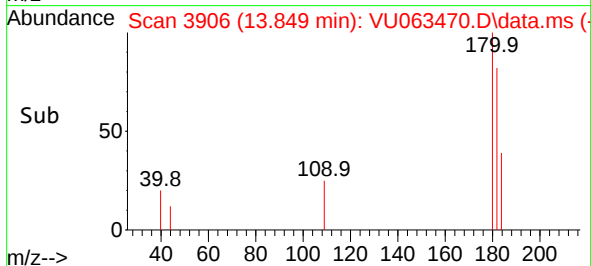
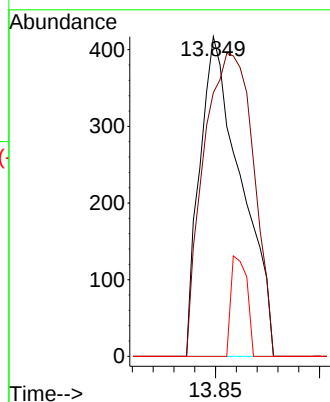
Tgt Ion:180 Resp: 575

Ion Ratio Lower Upper

180 100

182 113.9 47.7 143.1

145 12.0 16.6 49.7#



#95

Naphthalene

Concen: 0.532 ug/l

RT: 14.113 min Scan# 3988

Delta R.T. 0.035 min

Lab File: VU063470.D

Acq: 10 Jul 2025 10:41

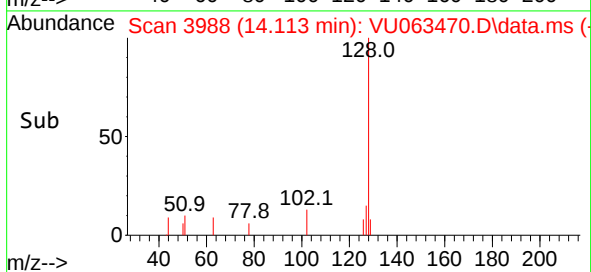
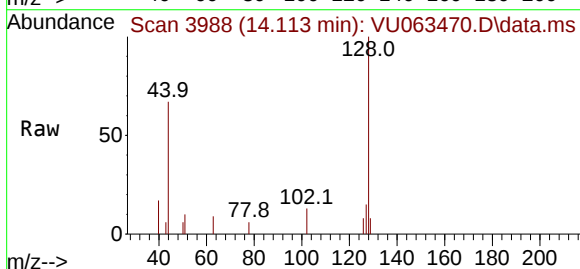
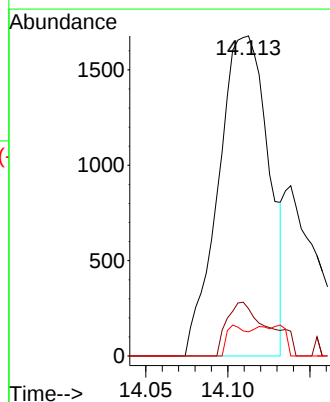
Tgt Ion:128 Resp: 3575

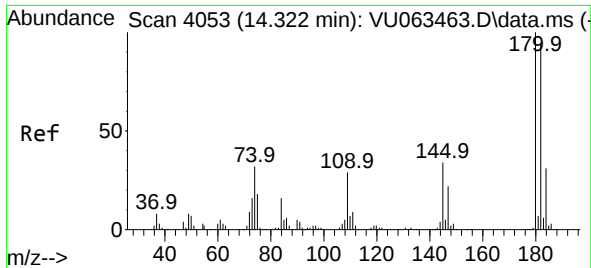
Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 3.8 8.6 12.8#





#96
1,2,3-Trichlorobenzene
Concen: 0.360 ug/l
RT: 14.338 min Scan# 4058
Delta R.T. 0.016 min
Lab File: VU063470.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL02

Tgt Ion:	180	Resp:	726
Ion Ratio	Lower	Upper	
180	100		
182	73.0	47.8	143.3
145	33.7	17.2	51.5

