

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063501.D
 Acq On : 14 Jul 2025 10:35
 Operator : MD/SY
 Sample : VU0714WBL01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0714WBL01

Quant Time: Jul 15 01:30:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 15 01:29:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	103971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	187966	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	169521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	83892	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	70829	53.393	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.780%	
35) Dibromofluoromethane	5.277	113	55049	48.586	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.180%	
50) Toluene-d8	7.888	98	174580	47.269	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.540%	
62) 4-Bromofluorobenzene	10.624	95	77814	48.168	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.340%	

Target Compounds					Qvalue	
3) Chloromethane	1.518	50	183	0.182	ug/l #	73
4) Vinyl Chloride	1.596	62	59	0.053	ug/l #	63
5) Bromomethane	1.859	94	301	0.385	ug/l #	2
6) Chloroethane	1.920	64	368	0.455	ug/l #	43
8) Diethyl Ether	2.129	74	19	0.025	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.782	101	20	0.019	ug/l #	1
10) Methyl Iodide	2.718	142	203	0.182	ug/l #	49
11) Tert butyl alcohol	3.194	59	156	0.351	ug/l #	53
12) 1,1-Dichloroethene	2.570	96	121	0.122	ug/l #	1
13) Acrolein	2.480	56	22	0.350	ug/l #	1
14) Allyl chloride	2.895	41	72	0.030	ug/l #	79
15) Acrylonitrile	3.300	53	50	0.052	ug/l #	1
16) Acetone	2.621	43	410	0.368	ug/l #	59
17) Carbon Disulfide	2.779	76	804	0.339	ug/l	97
18) Methyl Acetate	2.930	43	206	0.072	ug/l #	54
20) Methylene Chloride	3.036	84	180	0.111	ug/l #	45
21) trans-1,2-Dichloroethene	3.341	96	285	0.267	ug/l #	41
23) Vinyl Acetate	3.943	43	119	0.038	ug/l #	73
25) 2-Butanone	4.689	43	65	0.052	ug/l #	49
29) Tetrahydrofuran	5.107	42	42	0.053	ug/l #	32
31) Cyclohexane	5.367	56	2731	1.489	ug/l #	17
36) 1,1-Dichloropropene	5.361	75	9582	6.224	ug/l #	49
37) Ethyl Acetate	4.785	43	62	0.025	ug/l #	70
38) Carbon Tetrachloride	5.361	117	11092	6.539	ug/l #	16
41) Methacrylonitrile	4.978	41	42	0.036	ug/l #	1
43) Isopropyl Acetate	5.885	43	69	0.021	ug/l #	61
45) 1,2-Dichloropropane	6.679	63	21	0.016	ug/l #	43
48) Methyl methacrylate	6.955	41	68	0.044	ug/l #	12
51) 4-Methyl-2-Pentanone	7.808	43	892	0.372	ug/l #	59
59) 2-Hexanone	8.717	43	1168	0.644	ug/l	63
65) Chlorobenzene	9.438	112	187	0.053	ug/l #	43
67) Ethyl Benzene	5.573	91	148	0.024	ug/l #	44
68) m/p-Xylenes	9.698	106	168	0.073	ug/l #	59
73) Isopropylbenzene	10.470	105	94	0.016	ug/l #	49
74) N-amyl acetate	10.306	43	45	0.018	ug/l #	44
76) 1,2,3-Trichloropropane	10.624	75	43916	19.755	ug/l #	84

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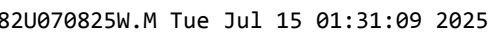
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 15 01:29:09 2025
 Response via : Initial Calibration

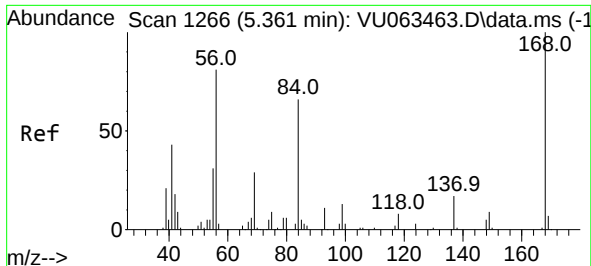
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Bromobenzene	10.782	156	64	0.046	ug/l #	1
78) n-propylbenzene	10.914	91	521	0.079	ug/l #	53
79) 2-Chlorotoluene	10.981	91	325	0.078	ug/l #	65
80) 1,3,5-Trimethylbenzene	11.087	105	121	0.024	ug/l #	30
81) trans-1,4-Dichloro-2-b...	10.624	75	43916	98.530	ug/l #	12
82) 4-Chlorotoluene	11.110	91	546	0.116	ug/l #	46
83) tert-Butylbenzene	11.412	119	77	0.016	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.476	105	281	0.057	ug/l #	32
85) sec-Butylbenzene	11.637	105	498	0.079	ug/l #	57
86) p-Isopropyltoluene	11.788	119	314	0.061	ug/l #	21
87) 1,3-Dichlorobenzene	11.740	146	315	0.117	ug/l	71
88) 1,4-Dichlorobenzene	11.833	146	512	0.186	ug/l	80
89) n-Butylbenzene	12.216	91	1223	0.258	ug/l #	88
91) 1,2-Dichlorobenzene	12.222	146	226	0.086	ug/l #	40
93) 1,2,4-Trichlorobenzene	13.852	180	705	0.419	ug/l #	56
95) Naphthalene	14.100	128	1486	0.269	ug/l #	88
96) 1,2,3-Trichlorobenzene	14.338	180	557	0.337	ug/l #	72

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

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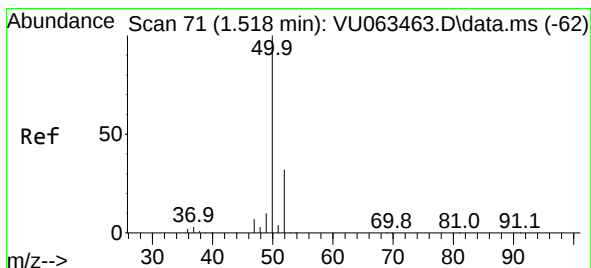
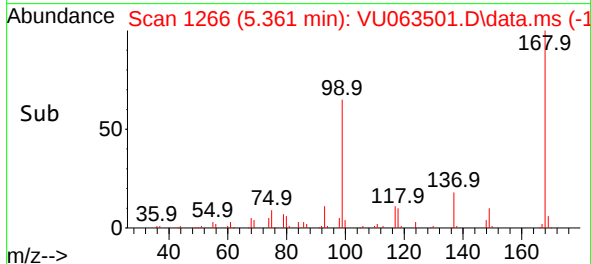
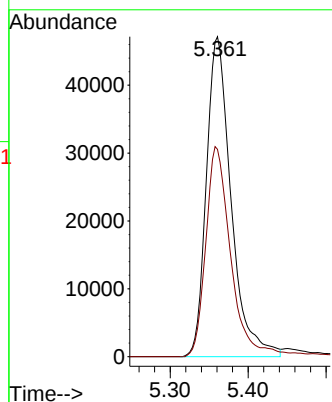
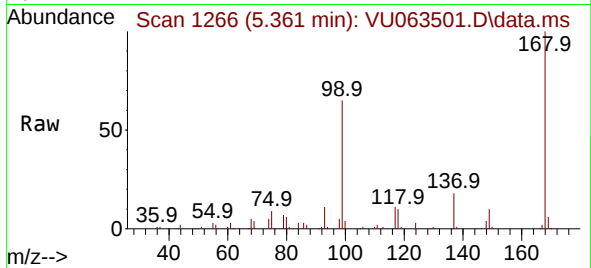




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.361 min Scan# 11
Delta R.T. -0.000 min
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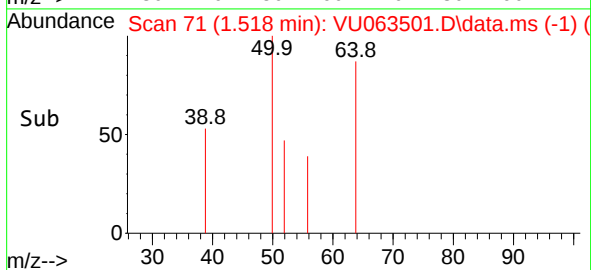
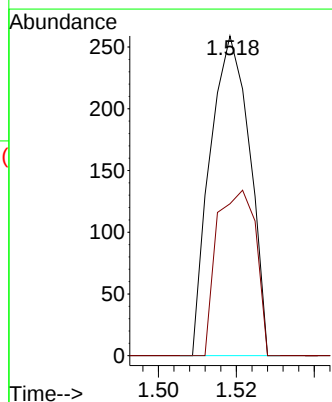
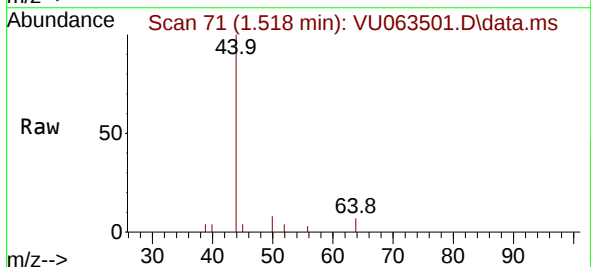
Instrument :
MSVOA_U
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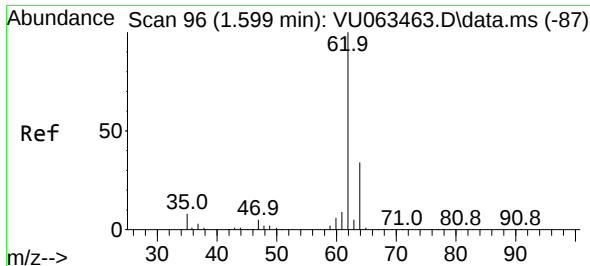
Tgt Ion:168 Resp: 103971
Ion Ratio Lower Upper
168 100
99 64.8 47.7 71.5



#3
Chloromethane
Concen: 0.182 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 50 Resp: 183
Ion Ratio Lower Upper
50 100
52 47.5 25.8 38.8#

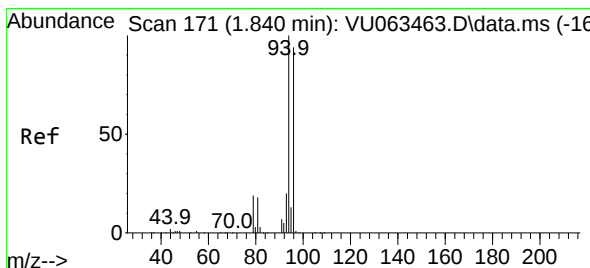
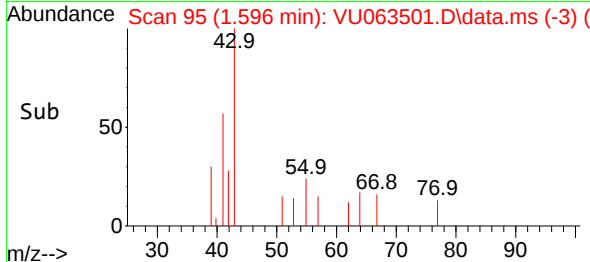
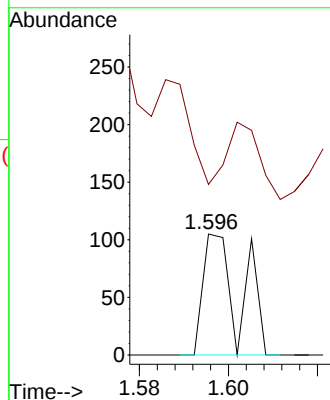
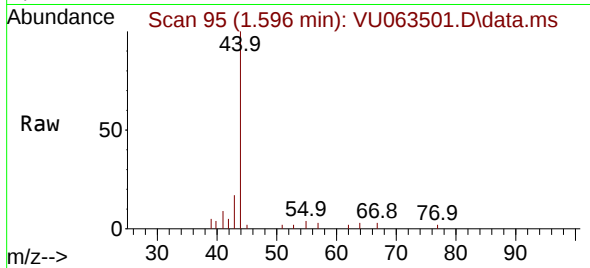




#4
 Vinyl Chloride
 Concen: 0.053 ug/l
 RT: 1.596 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063501.D
 Acq: 14 Jul 2025 10:35

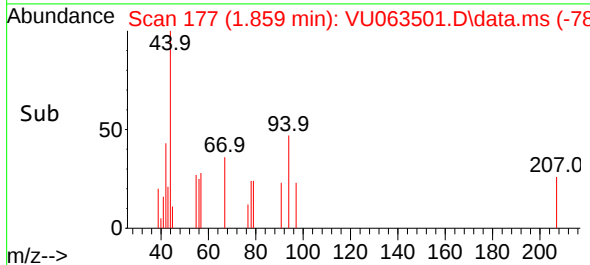
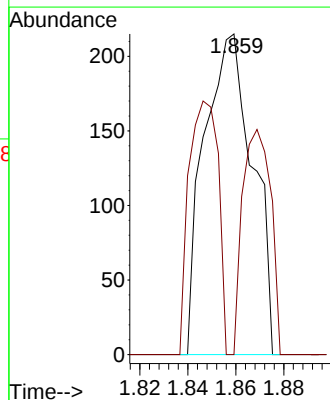
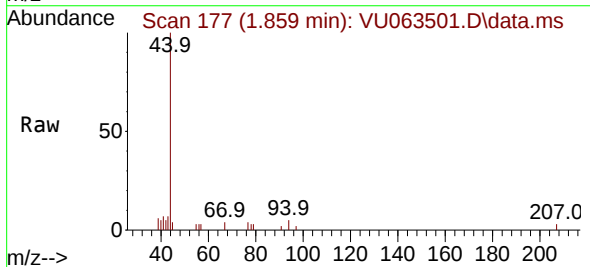
Instrument :
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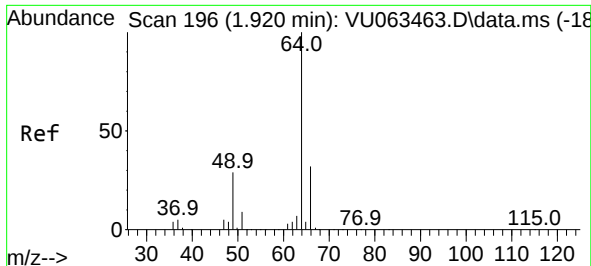
Tgt Ion: 62 Resp: 59
 Ion Ratio Lower Upper
 62 100
 64 12.4 26.9 40.3#



#5
 Bromomethane
 Concen: 0.385 ug/l
 RT: 1.859 min Scan# 177
 Delta R.T. 0.019 min
 Lab File: VU063501.D
 Acq: 14 Jul 2025 10:35

Tgt Ion: 94 Resp: 301
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.5 113.3#

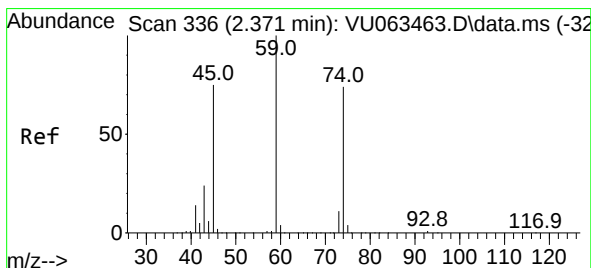
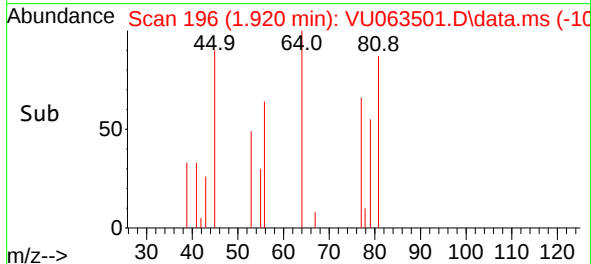
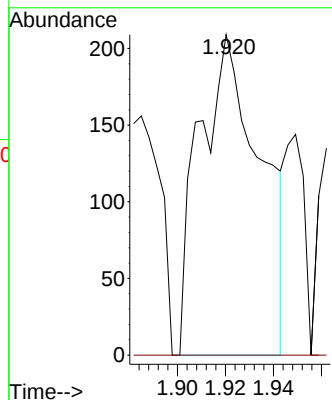
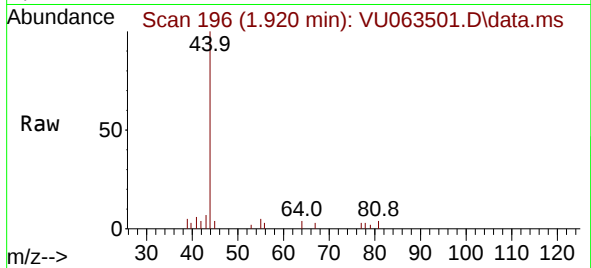




#6
Chloroethane
Concen: 0.455 ug/l
RT: 1.920 min Scan# 196
Delta R.T. 0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

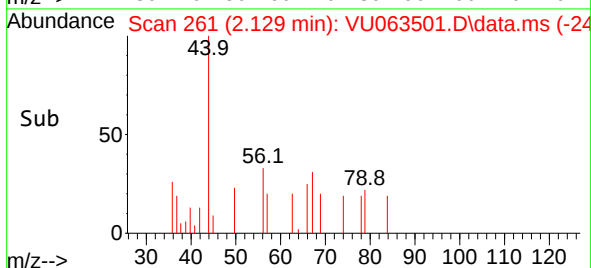
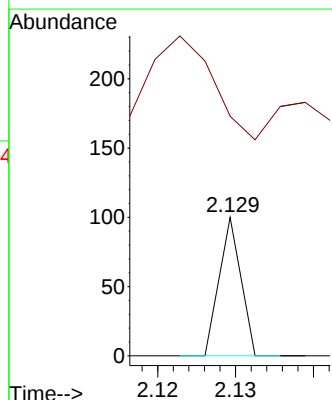
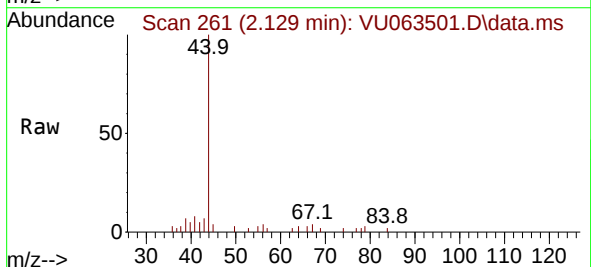
Instrument :
MSVOA_U
ClientSampleId :
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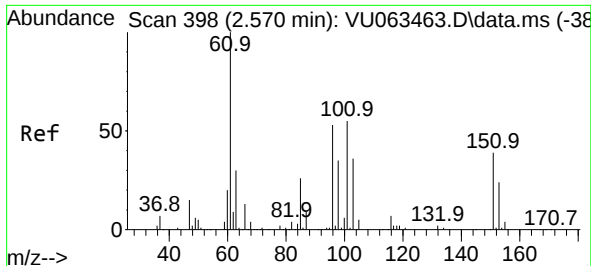
Tgt Ion: 64 Resp: 368
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#8
Diethyl Ether
Concen: 0.025 ug/l
RT: 2.129 min Scan# 261
Delta R.T. -0.241 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 478.9 49.7 149.1#

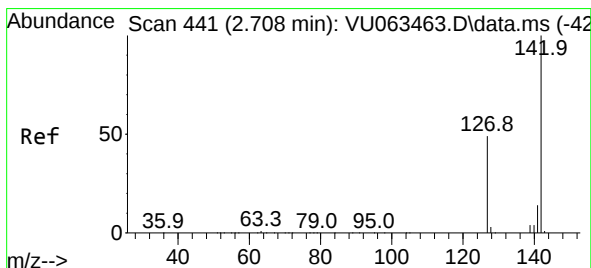
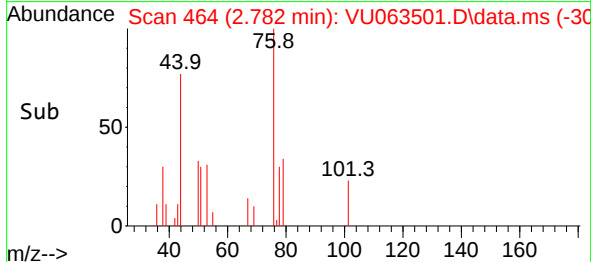
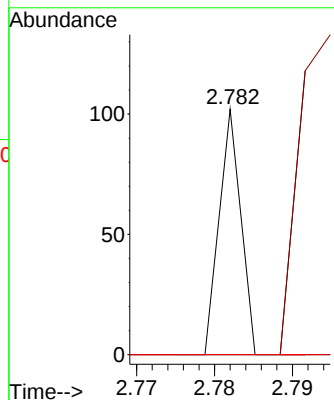
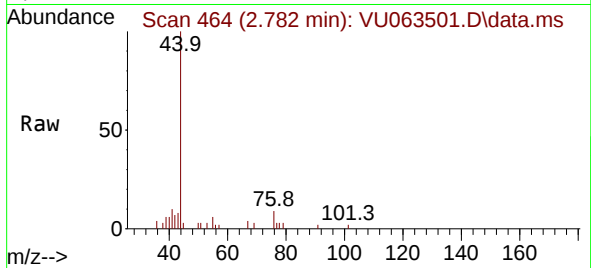




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.019 ug/l
RT: 2.782 min Scan# 410
Delta R.T. 0.212 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

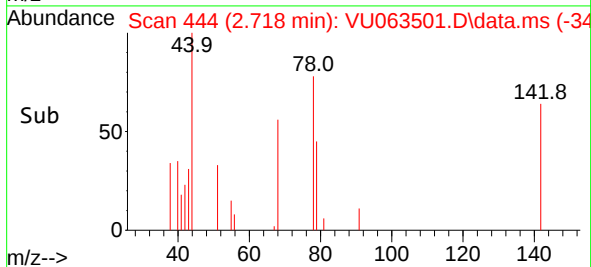
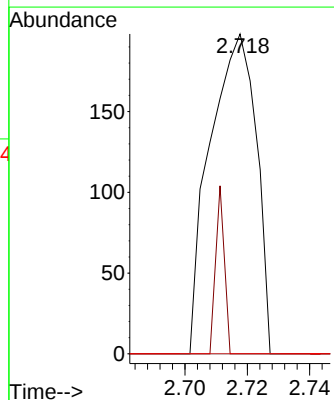
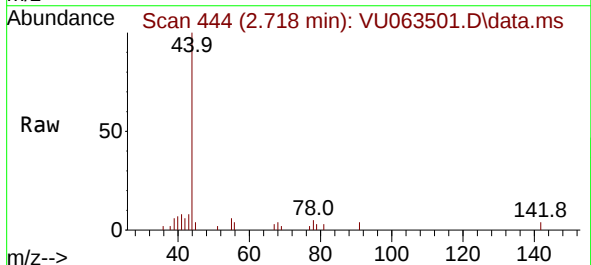
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ClientSampleId :
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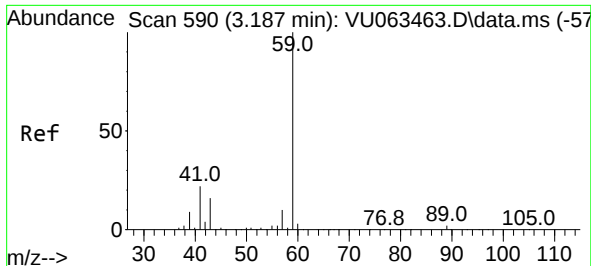
Tgt Ion:101 Resp: 20
Ion Ratio Lower Upper
101 100
85 345.0 39.6 59.4#
151 0.0 57.2 85.8#



#10
Methyl Iodide
Concen: 0.182 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.010 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 9.9 38.2 57.4#
141 0.0 11.1 16.7#

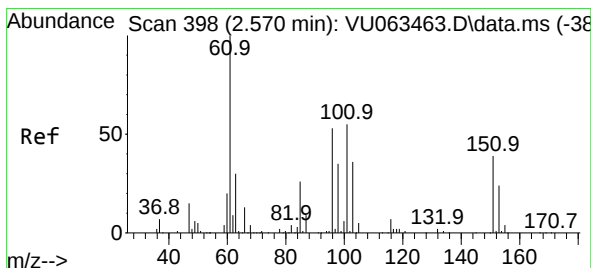
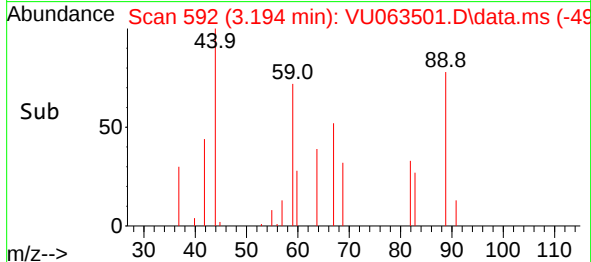
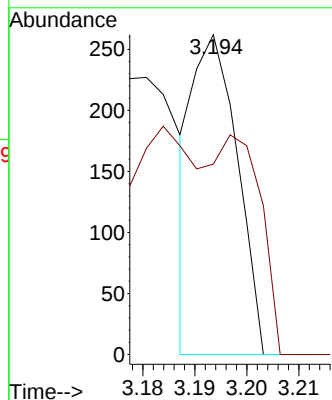
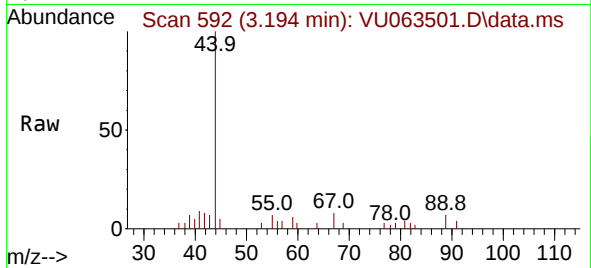




#11
Tert butyl alcohol
Concen: 0.351 ug/l
RT: 3.194 min Scan# 591
Delta R.T. 0.006 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

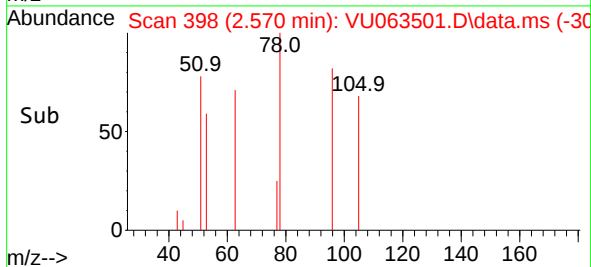
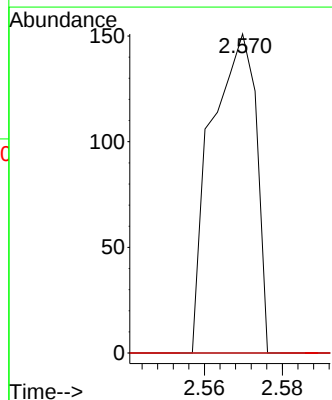
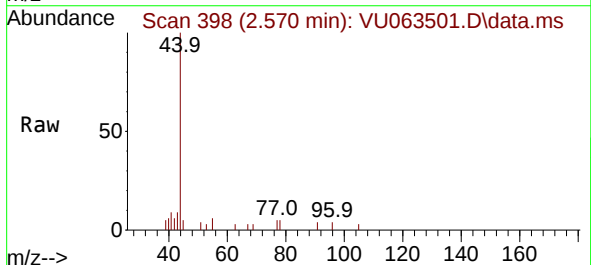
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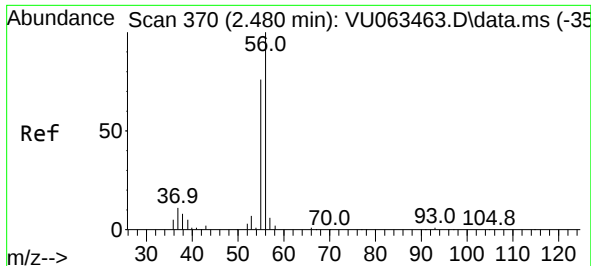
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 28.8 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.122 ug/l
RT: 2.570 min Scan# 398
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 96 Resp: 121
Ion Ratio Lower Upper
96 100
61 0.0 149.6 224.4#
98 0.0 52.0 78.0#

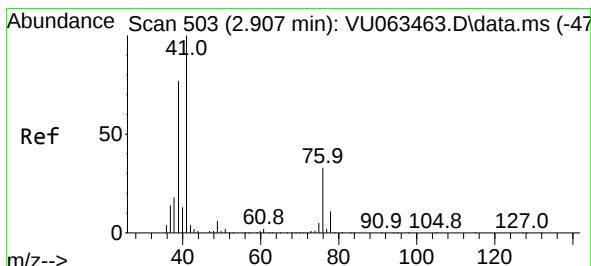
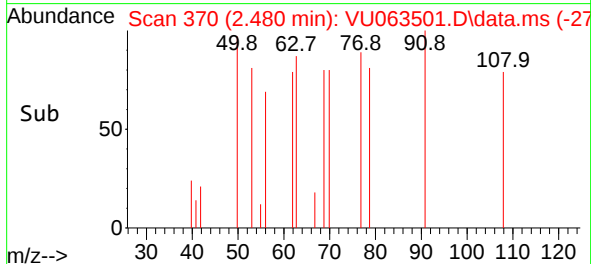
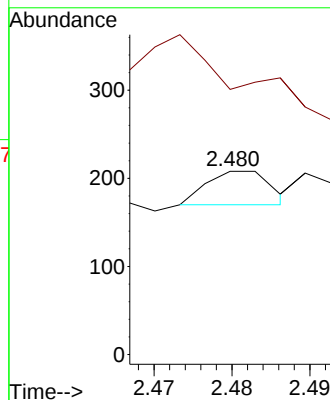
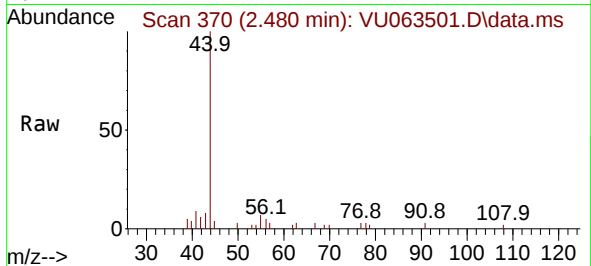




#13
Acrolein
Concen: 0.350 ug/l
RT: 2.480 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

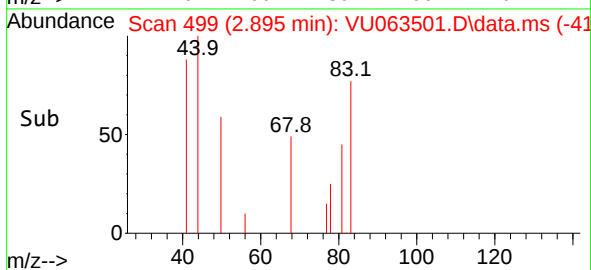
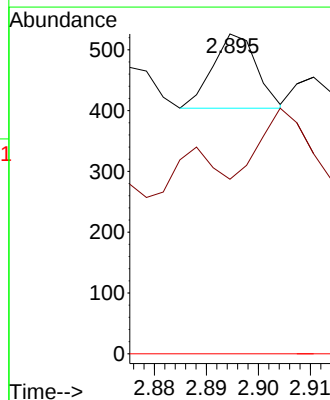
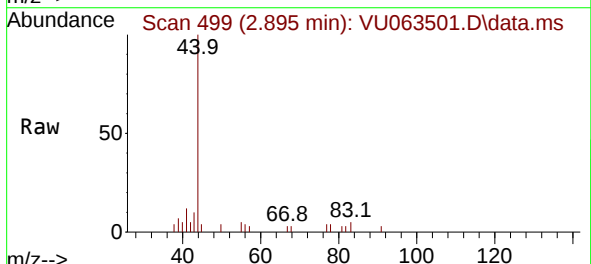
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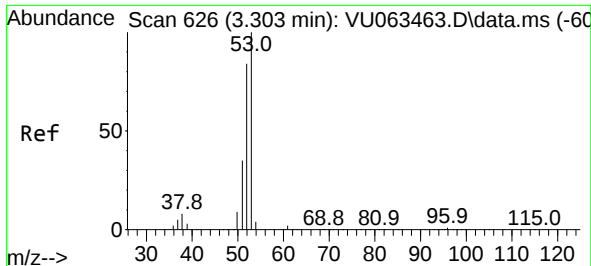
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 1013.6 60.2 90.2#



#14
Allyl chloride
Concen: 0.030 ug/l
RT: 2.895 min Scan# 499
Delta R.T. -0.013 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 62.5 53.9 80.9
76 0.0 23.1 34.7#

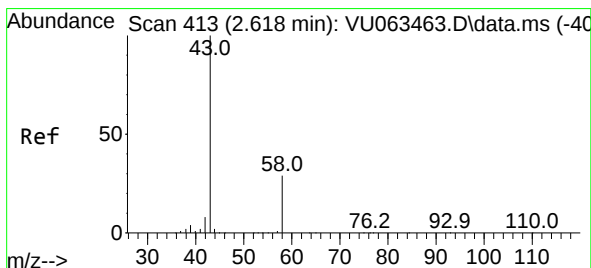
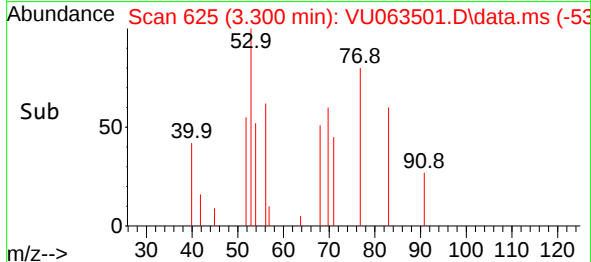
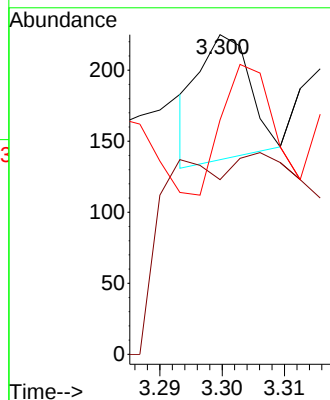
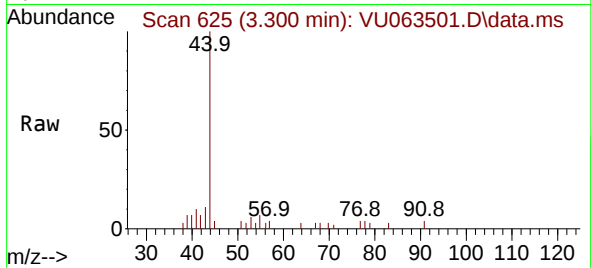




#15
Acrylonitrile
Concen: 0.052 ug/l
RT: 3.300 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

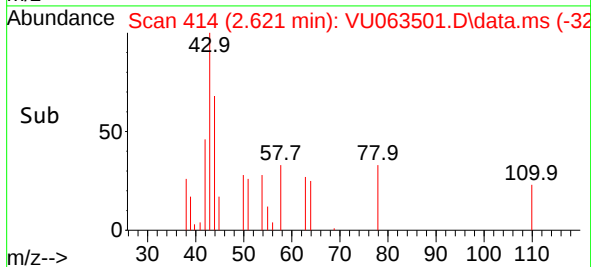
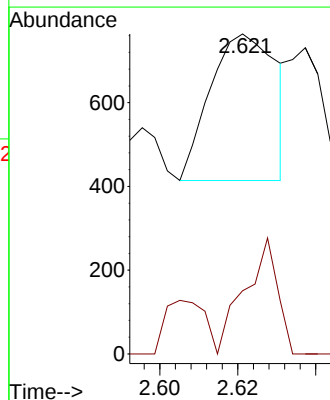
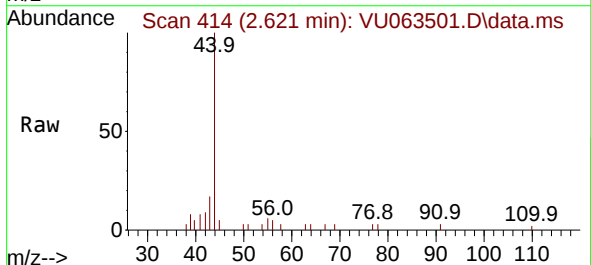
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

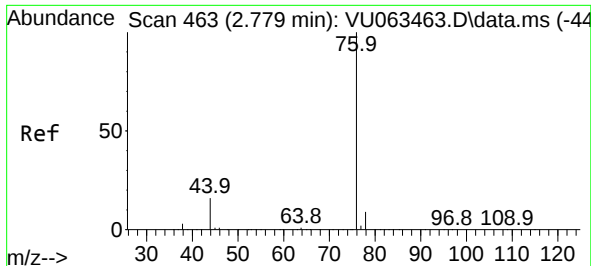
Tgt Ion: 53 Resp: 50
Ion Ratio Lower Upper
53 100
52 194.0 65.0 97.4#
51 170.0 28.8 43.2#



#16
Acetone
Concen: 0.368 ug/l
RT: 2.621 min Scan# 414
Delta R.T. 0.003 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
58 6.9 23.1 34.7#

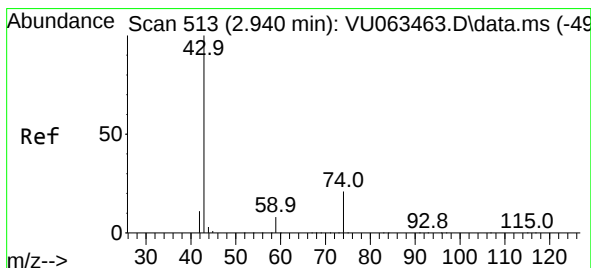
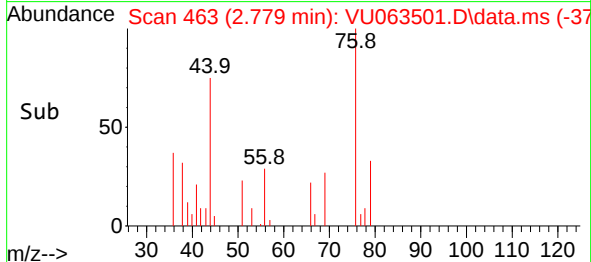
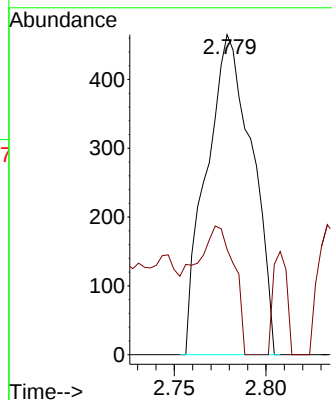
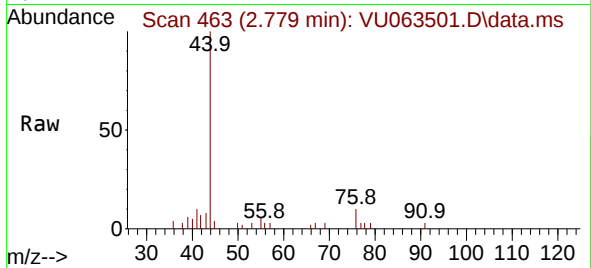




#17
Carbon Disulfide
Concen: 0.339 ug/l
RT: 2.779 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

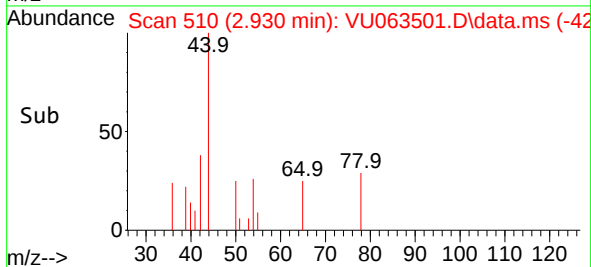
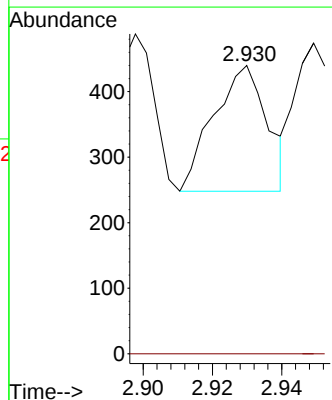
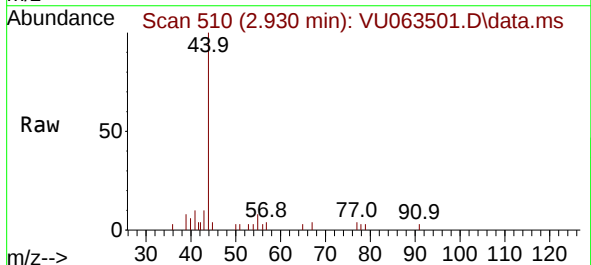
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

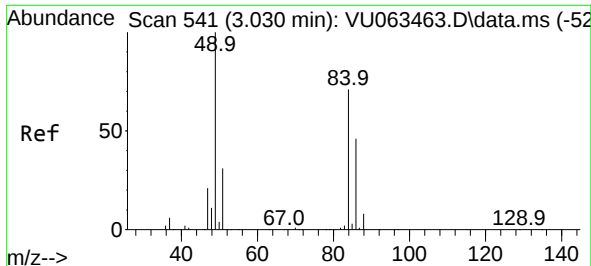
Tgt Ion: 76 Resp: 804
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3



#18
Methyl Acetate
Concen: 0.072 ug/l
RT: 2.930 min Scan# 510
Delta R.T. -0.010 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#

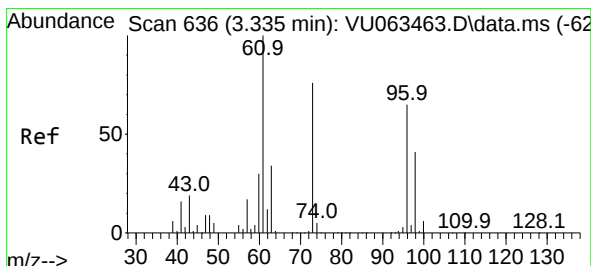
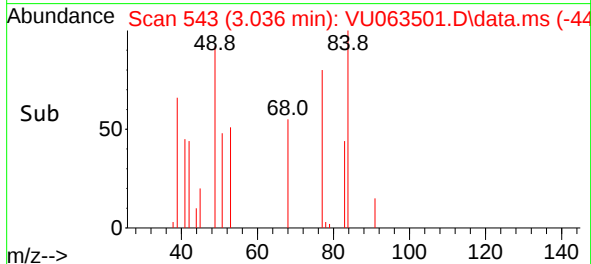
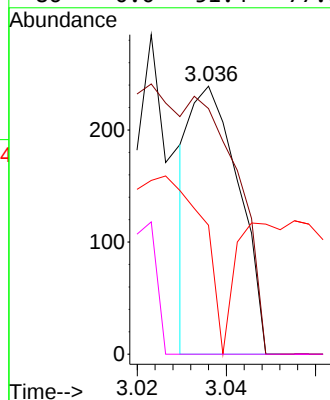
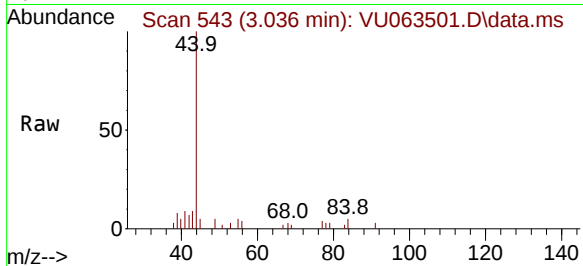




#20
Methylene Chloride
Concen: 0.111 ug/l
RT: 3.036 min Scan# 541
Delta R.T. 0.006 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

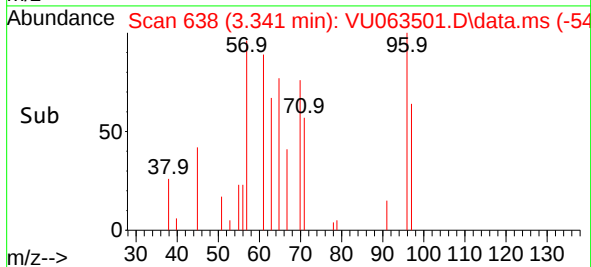
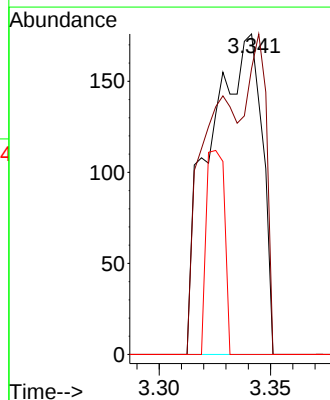
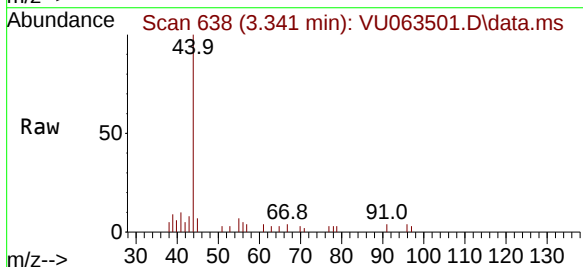
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

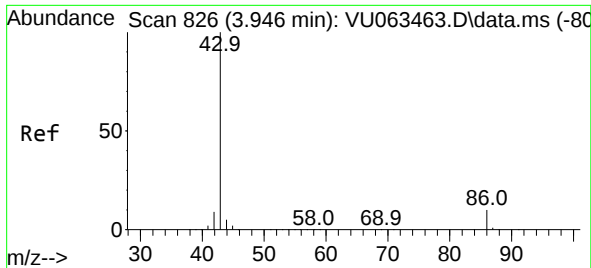
Tgt Ion:	84	Resp:	180
Ion	Ratio	Lower	Upper
84	100		
49	91.6	112.1	168.1#
51	1.7	34.4	51.6#
86	0.0	51.4	77.0#



#21
trans-1,2-Dichloroethene
Concen: 0.267 ug/l
RT: 3.341 min Scan# 638
Delta R.T. 0.006 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion:	96	Resp:	285
Ion	Ratio	Lower	Upper
96	100		
61	89.2	122.2	183.4#
98	0.0	49.9	74.9#

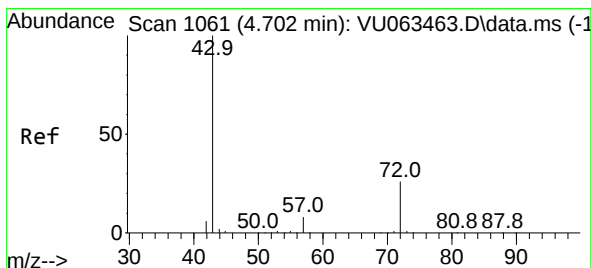
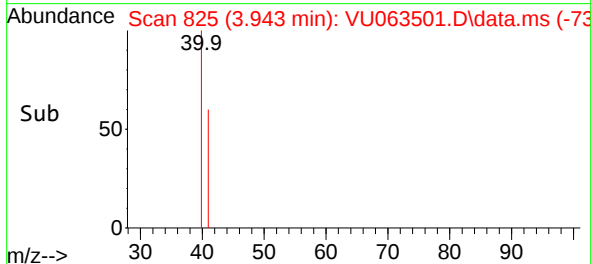
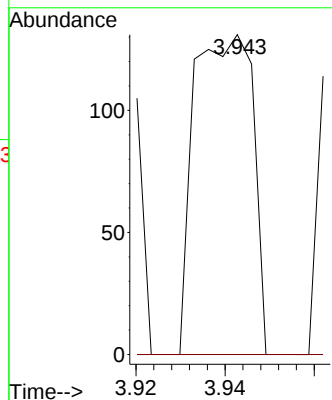
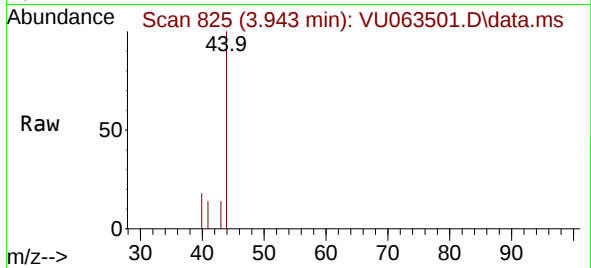




#23
 Vinyl Acetate
 Concen: 0.038 ug/l
 RT: 3.943 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU063501.D
 Acq: 14 Jul 2025 10:35

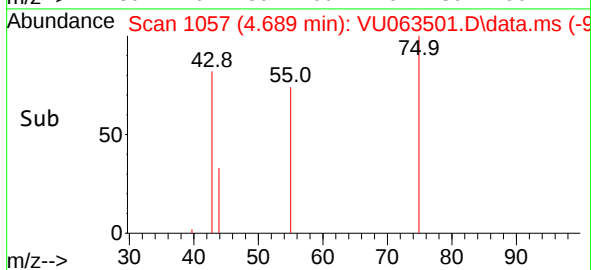
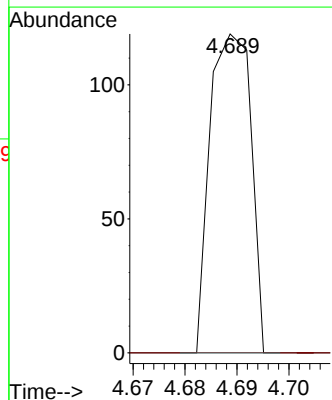
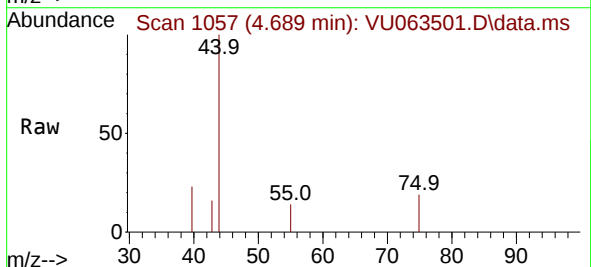
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0714WBL01

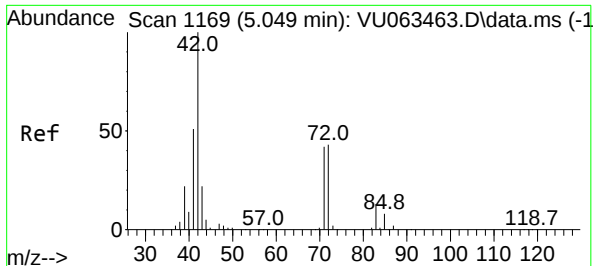
Tgt Ion: 43 Resp: 119
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#25
 2-Butanone
 Concen: 0.052 ug/l
 RT: 4.689 min Scan# 1057
 Delta R.T. -0.013 min
 Lab File: VU063501.D
 Acq: 14 Jul 2025 10:35

Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.053 ug/l

RT: 5.107 min Scan# 1169

Delta R.T. 0.058 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

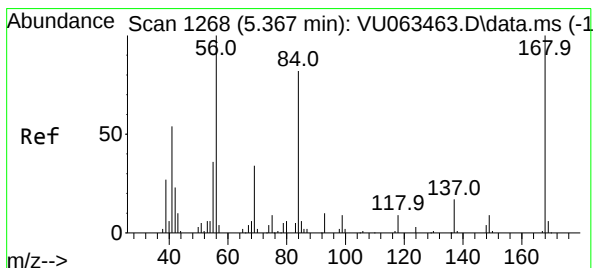
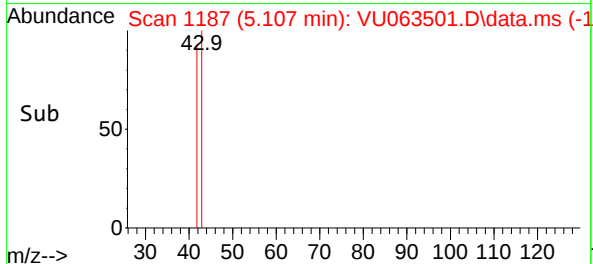
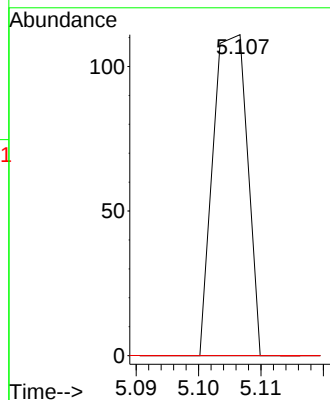
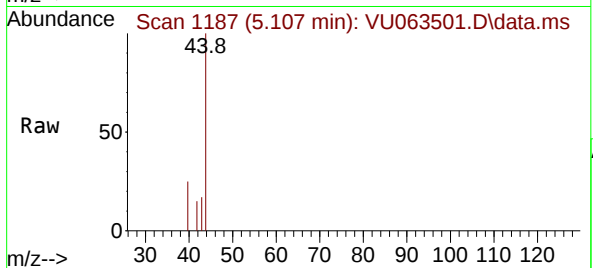
Instrument :

MSVOA_U

ClientSampleId :

VU0714WBL01

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



#31

Cyclohexane

Concen: 1.489 ug/l

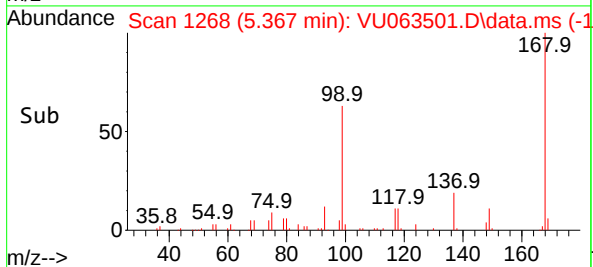
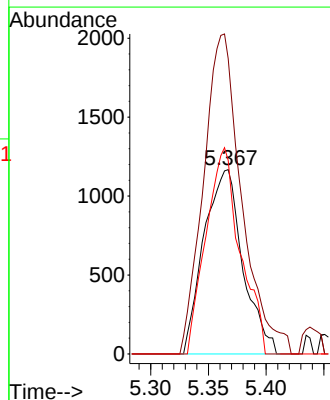
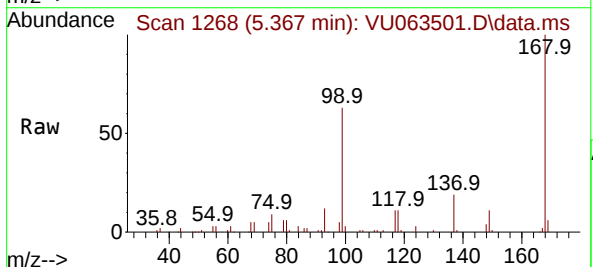
RT: 5.367 min Scan# 1268

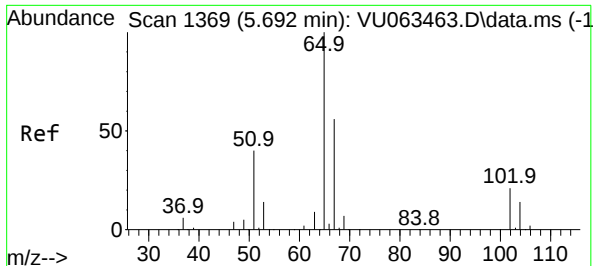
Delta R.T. -0.000 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Tgt Ion:	56	Resp:	2731
Ion	Ratio	Lower	Upper
56	100		
69	160.3	27.0	40.4#
84	105.1	65.7	98.5#





#33

1,2-Dichloroethane-d4

Concen: 53.393 ug/l

RT: 5.692 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Instrument :

MSVOA_U

ClientSampleId :

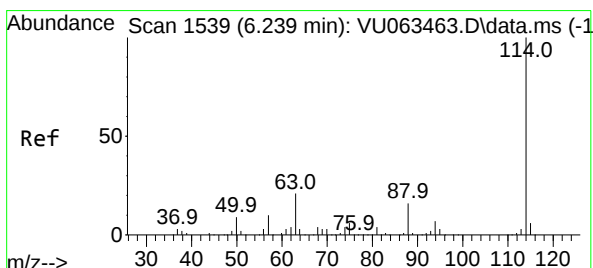
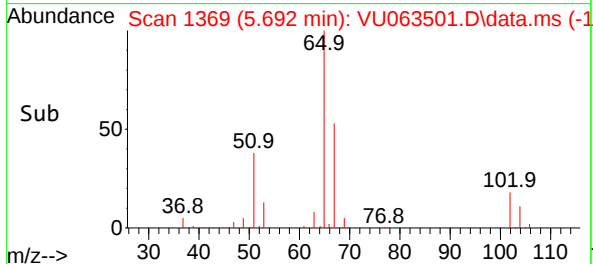
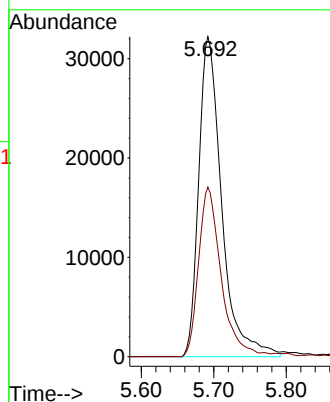
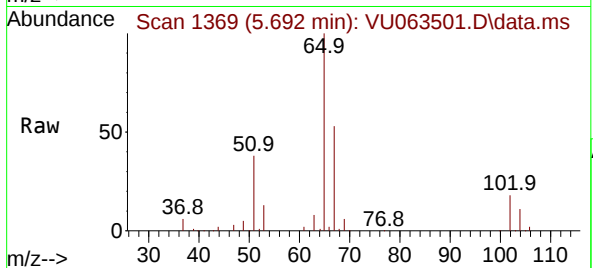
VU0714WBL01

Tgt Ion: 65 Resp: 70829

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.238 min Scan# 1539

Delta R.T. -0.000 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

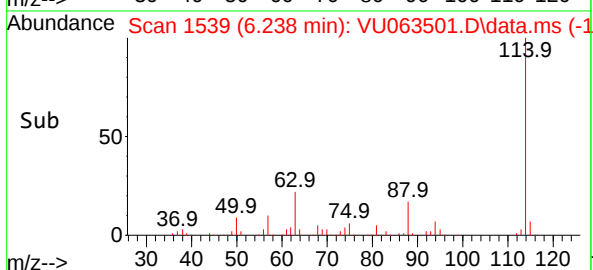
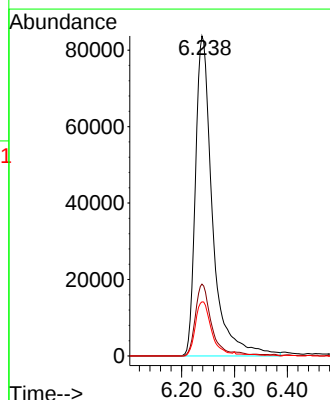
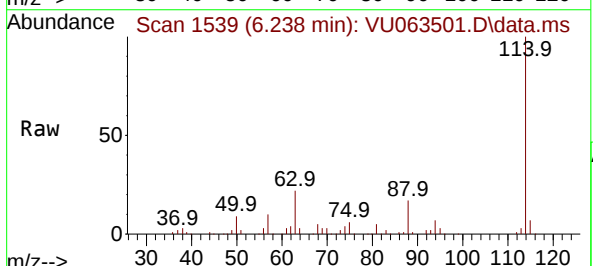
Tgt Ion: 114 Resp: 187966

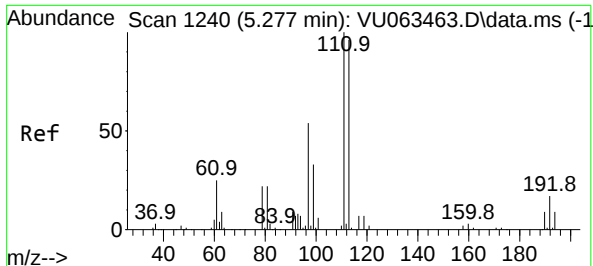
Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.6

88 16.9 0.0 32.0

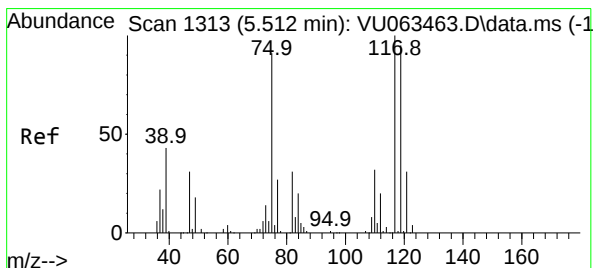
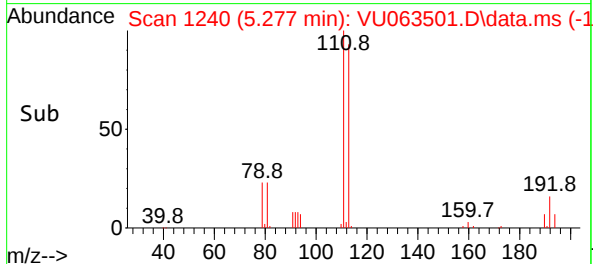
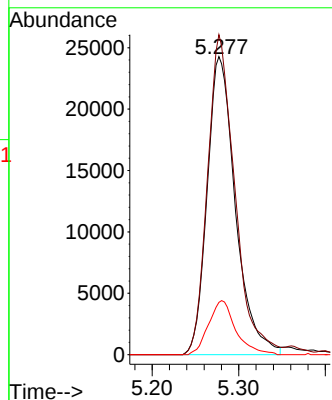
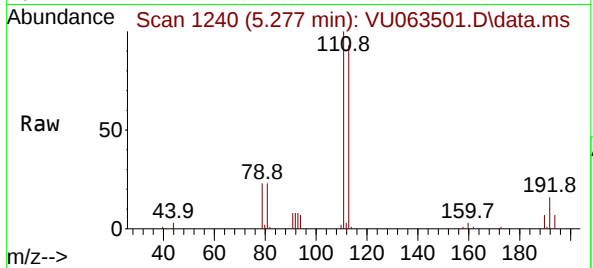




#35
Dibromofluoromethane
Concen: 48.586 ug/l
RT: 5.277 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

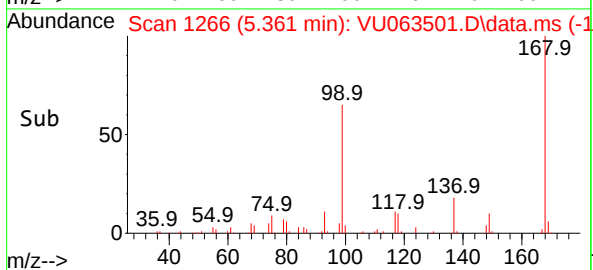
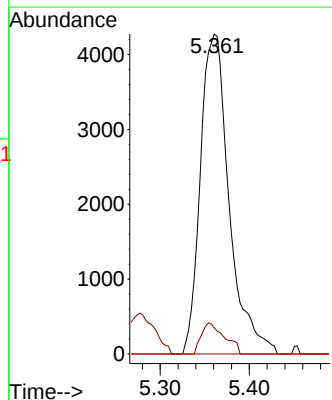
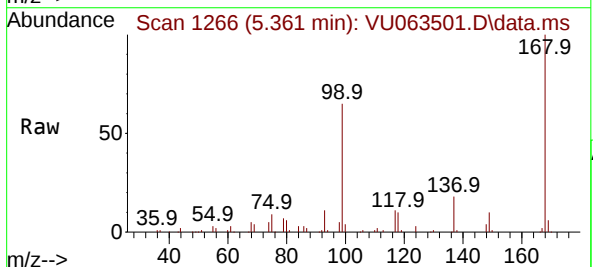
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

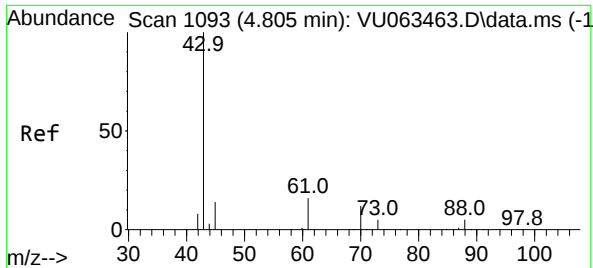
Tgt Ion:113 Resp: 55049
Ion Ratio Lower Upper
113 100
111 104.2 82.1 123.1
192 17.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 6.224 ug/l
RT: 5.361 min Scan# 1266
Delta R.T. -0.151 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 75 Resp: 9582
Ion Ratio Lower Upper
75 100
110 7.8 17.3 52.0#
77 0.0 23.9 35.9#





#37

Ethyl Acetate

Concen: 0.025 ug/l

RT: 4.785 min Scan# 1

Delta R.T. -0.019 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

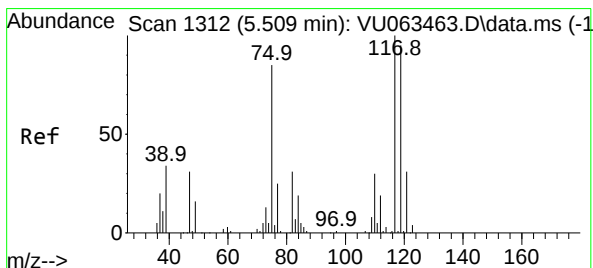
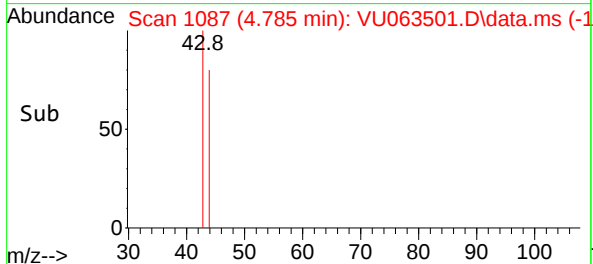
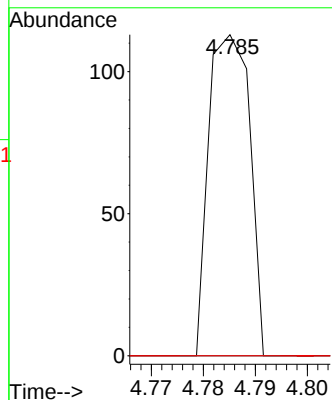
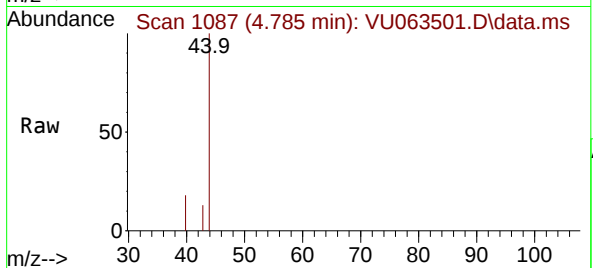
Instrument :

MSVOA_U

ClientSampleId :

VU0714WBL01

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	7.8	11.8#



#38

Carbon Tetrachloride

Concen: 6.539 ug/l

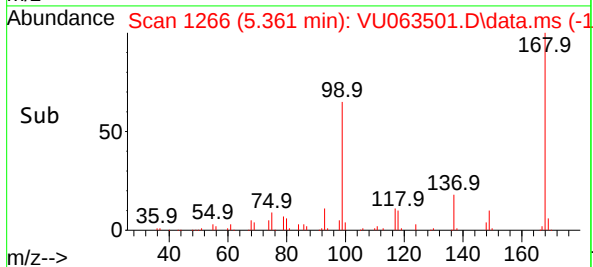
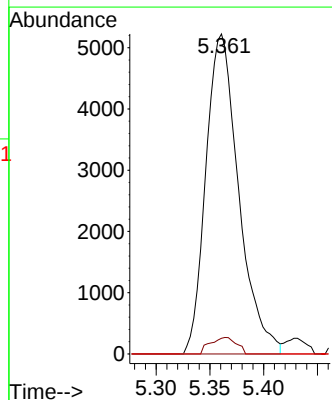
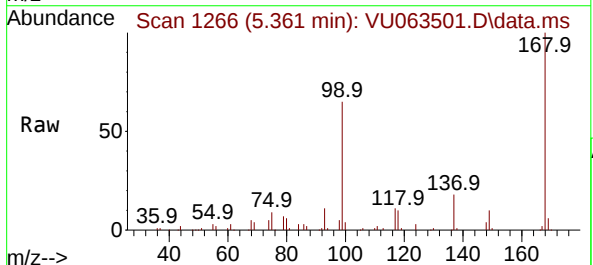
RT: 5.361 min Scan# 1266

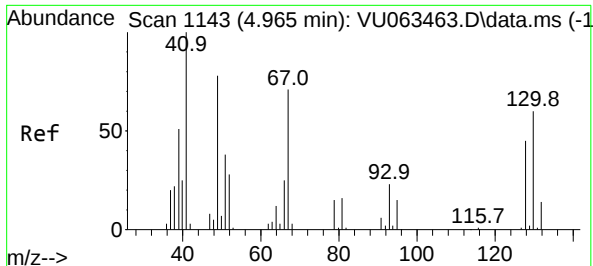
Delta R.T. -0.148 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Tgt Ion:	117	Resp:	11092
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.1	114.1#
121	0.0	25.0	37.4#

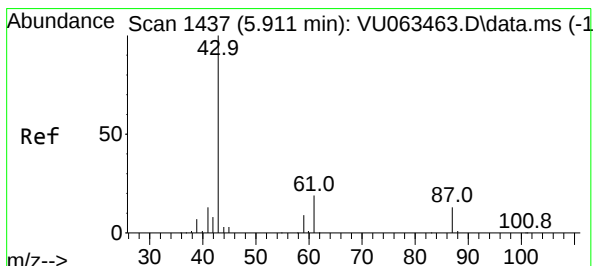
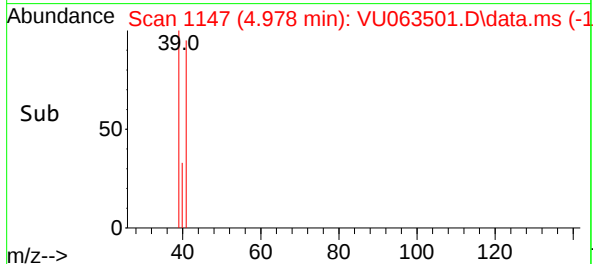
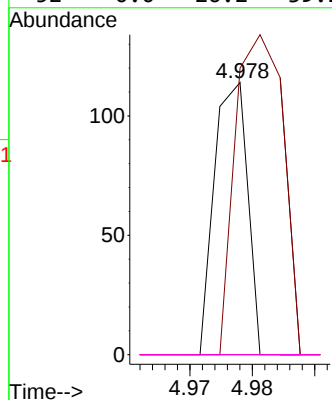
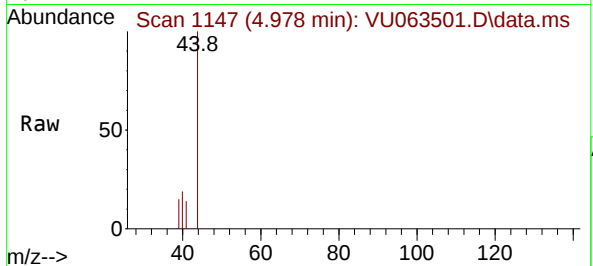




#41
Methacrylonitrile
Concen: 0.036 ug/l
RT: 4.978 min Scan# 1147
Delta R.T. 0.013 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

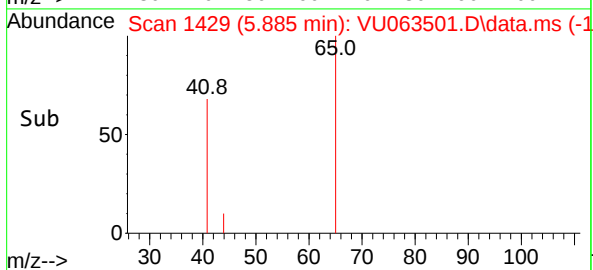
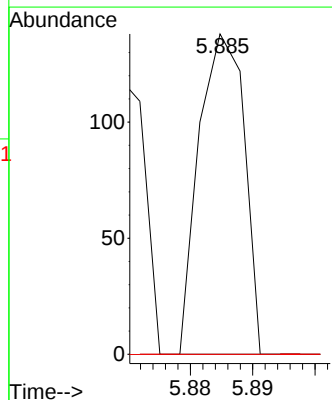
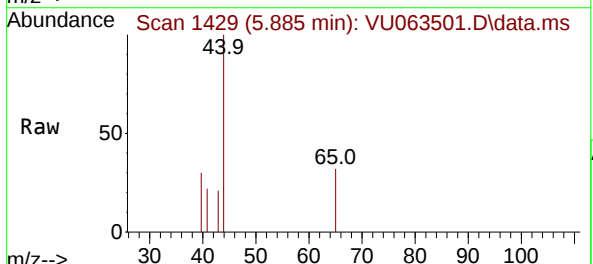
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

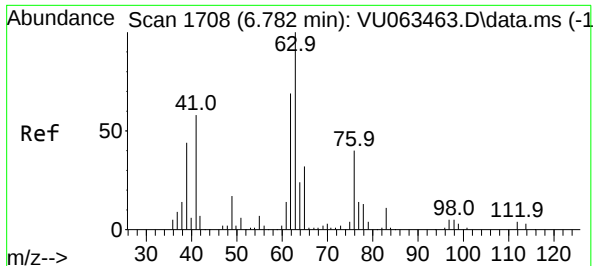
Tgt Ion:	41	Resp:	42
Ion	Ratio	Lower	Upper
41	100		
39	169.0	43.6	65.4#
67	0.0	62.8	94.2#
52	0.0	26.2	39.2#



#43
Isopropyl Acetate
Concen: 0.021 ug/l
RT: 5.885 min Scan# 1429
Delta R.T. -0.026 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion:	43	Resp:	69
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: 0.016 ug/l

RT: 6.679 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Instrument :

MSVOA_U

ClientSampleId :

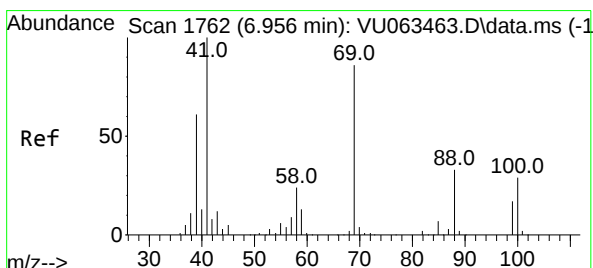
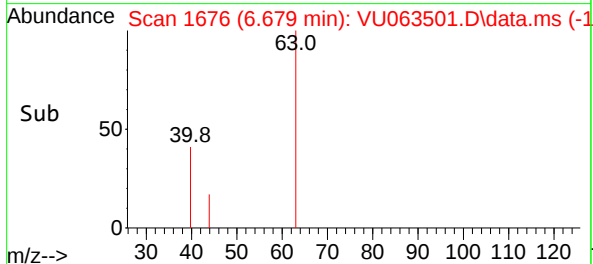
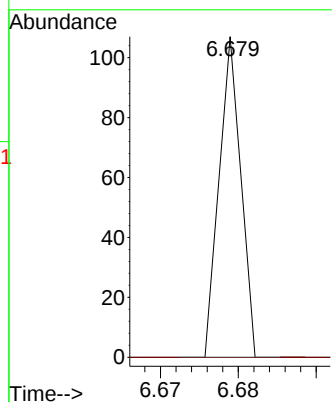
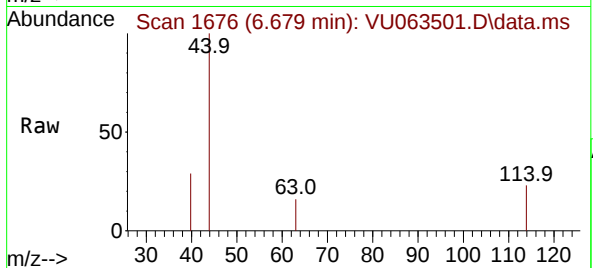
VU0714WBL01

Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

65 0.0 25.3 37.9#



#48

Methyl methacrylate

Concen: 0.044 ug/l

RT: 6.955 min Scan# 1762

Delta R.T. -0.000 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

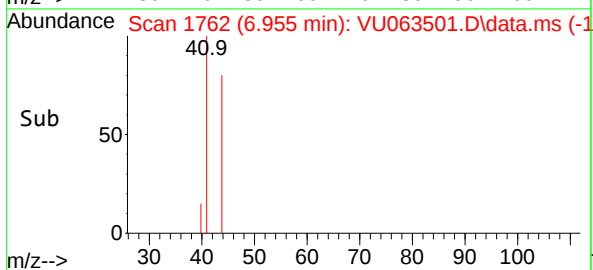
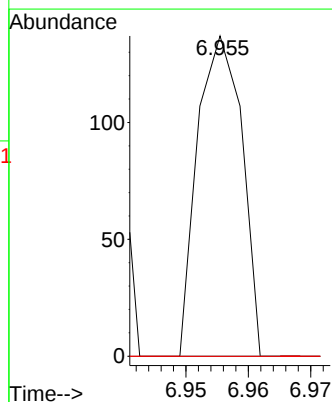
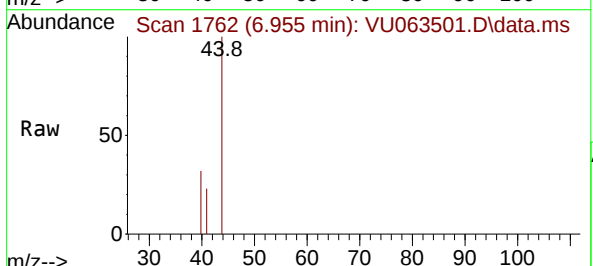
Tgt Ion: 41 Resp: 68

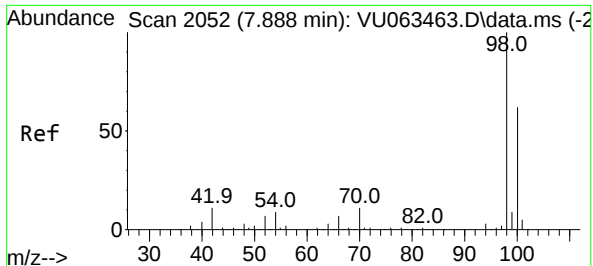
Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.8#

39 0.0 48.3 72.5#

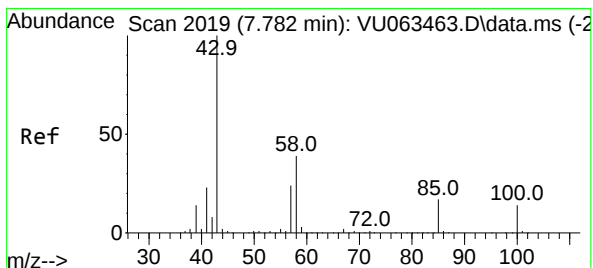
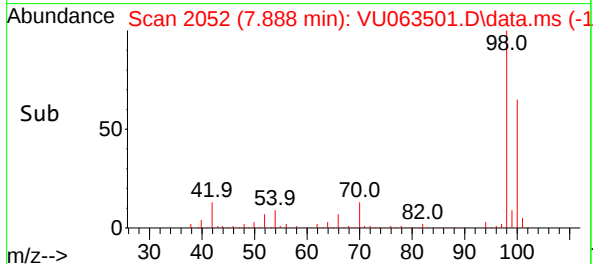
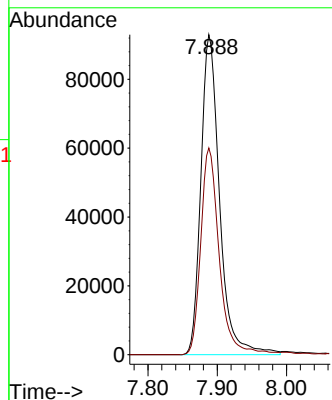
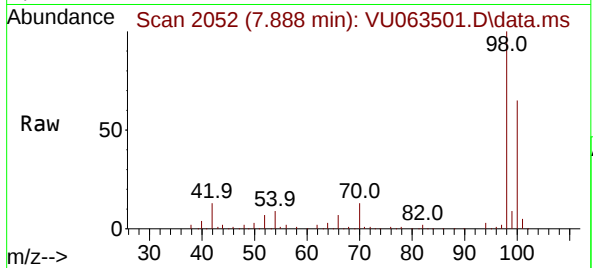




#50
Toluene-d8
Concen: 47.269 ug/l
RT: 7.888 min Scan# 2052
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

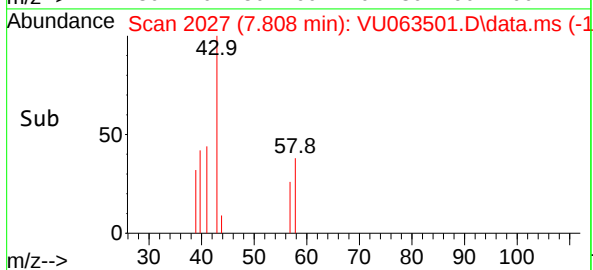
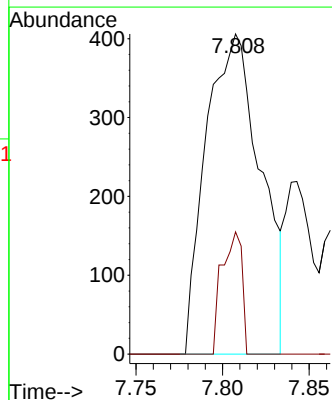
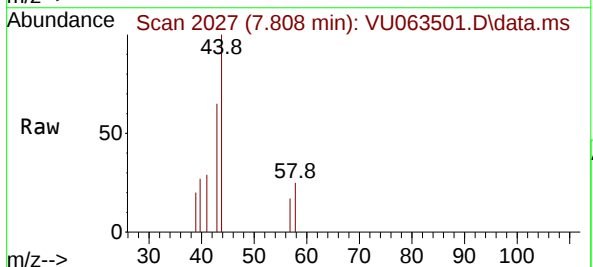
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

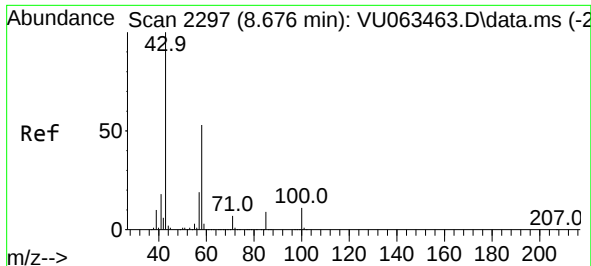
Tgt Ion: 98 Resp: 174580
Ion Ratio Lower Upper
98 100
100 63.9 48.1 72.1



#51
4-Methyl-2-Pentanone
Concen: 0.372 ug/l
RT: 7.808 min Scan# 2027
Delta R.T. 0.026 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

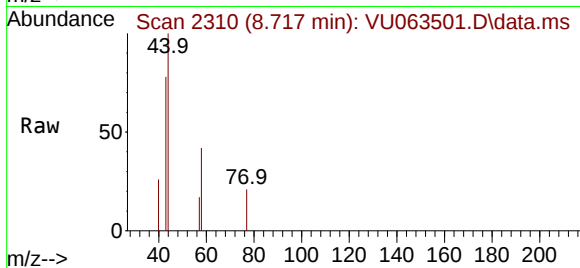
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 14.0 31.0 46.4#



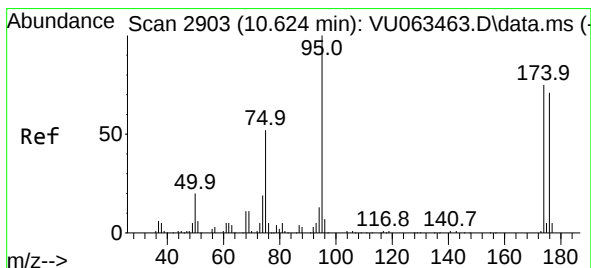
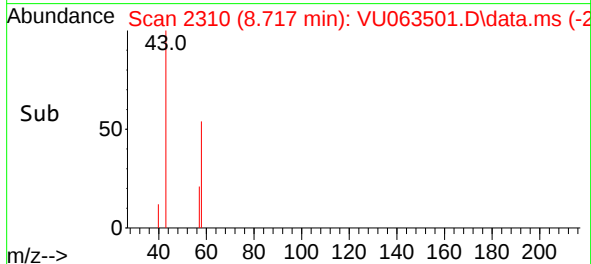
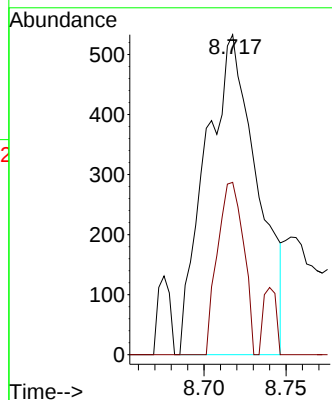


#59
2-Hexanone
Concen: 0.644 ug/l
RT: 8.717 min Scan# 211
Delta R.T. 0.042 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

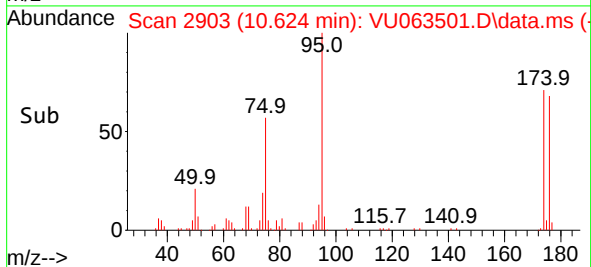
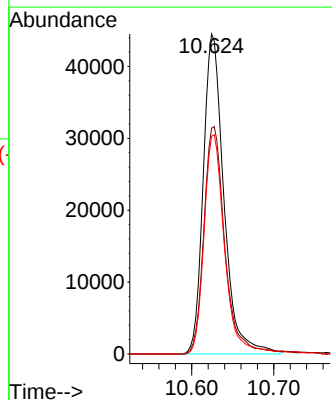
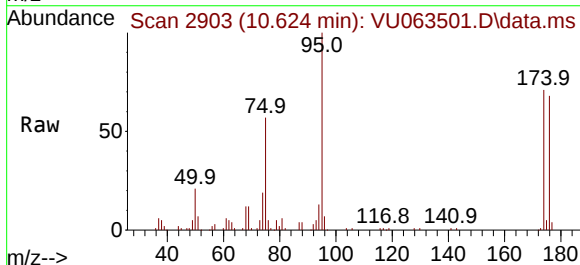


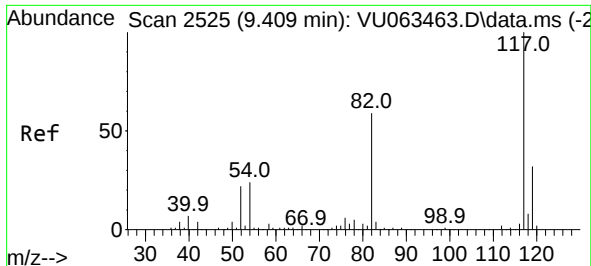
Tgt Ion: 43 Resp: 1168
Ion Ratio Lower Upper
43 100
58 27.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.168 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 95 Resp: 77814
Ion Ratio Lower Upper
95 100
174 72.7 0.0 153.6
176 67.9 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.409 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Instrument :

MSVOA_U

ClientSampleId :

VU0714WBL01

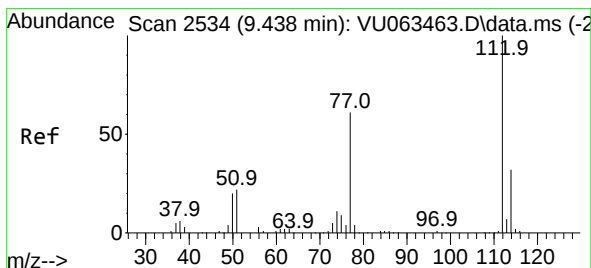
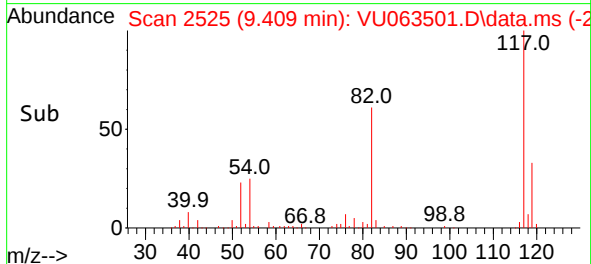
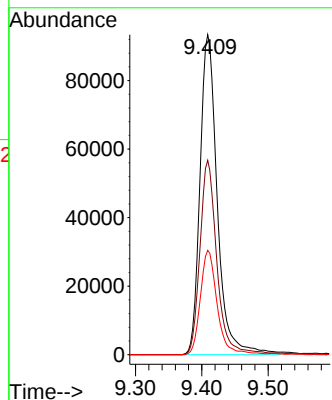
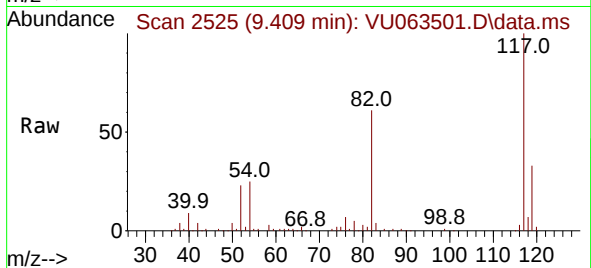
Tgt Ion:117 Resp: 169521

Ion Ratio Lower Upper

117 100

82 60.8 47.1 70.7

119 32.6 25.4 38.0



#65

Chlorobenzene

Concen: 0.053 ug/l

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU063501.D

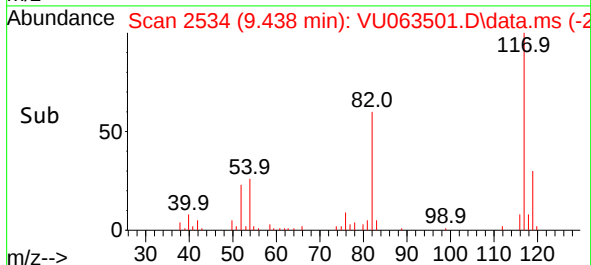
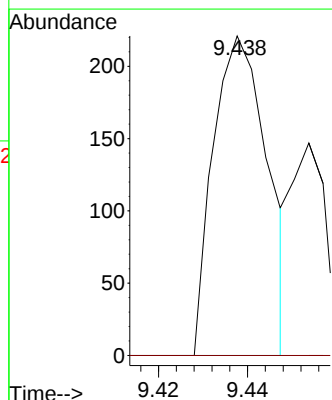
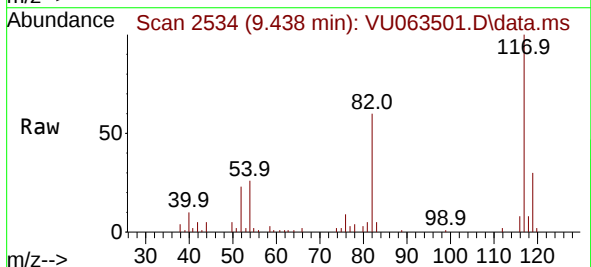
Acq: 14 Jul 2025 10:35

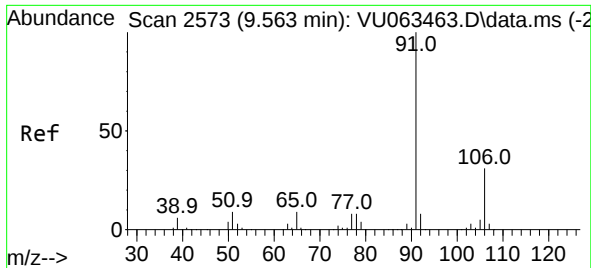
Tgt Ion:112 Resp: 187

Ion Ratio Lower Upper

112 100

114 0.0 25.5 38.3#





#67

Ethyl Benzene

Concen: 0.024 ug/l

RT: 9.573 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Instrument :

MSVOA_U

ClientSampleId :

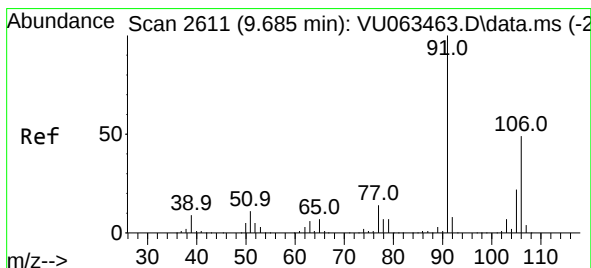
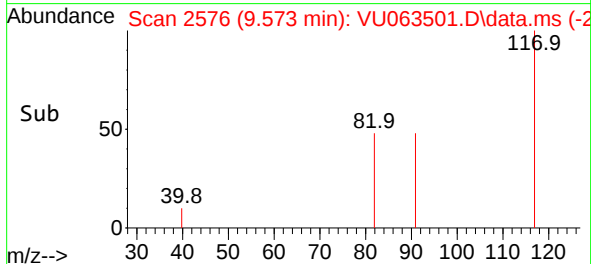
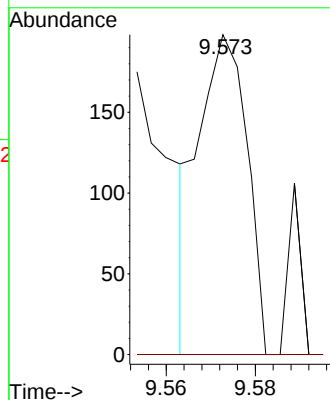
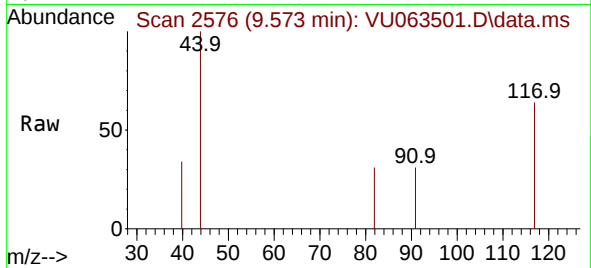
VU0714WBL01

Tgt Ion: 91 Resp: 148

Ion Ratio Lower Upper

91 100

106 0.0 24.5 36.7#



#68

m/p-Xylenes

Concen: 0.073 ug/l

RT: 9.698 min Scan# 2615

Delta R.T. 0.013 min

Lab File: VU063501.D

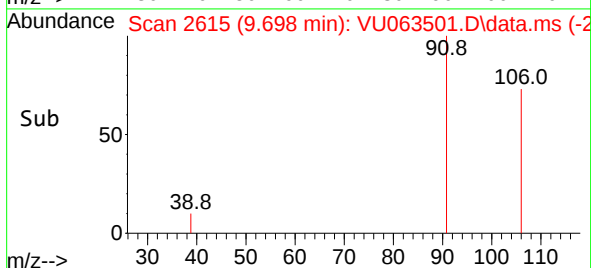
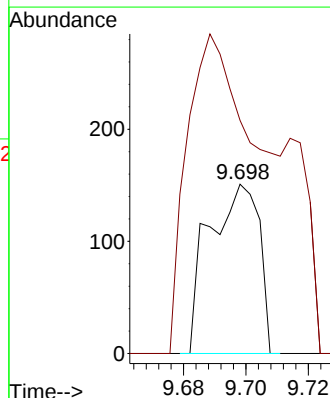
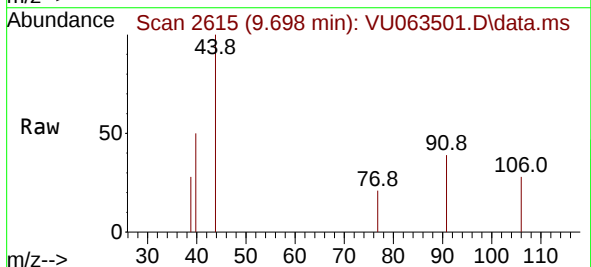
Acq: 14 Jul 2025 10:35

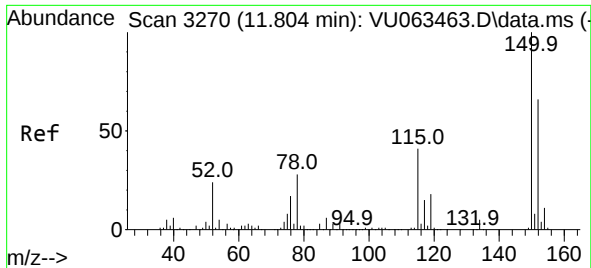
Tgt Ion:106 Resp: 168

Ion Ratio Lower Upper

106 100

91 267.9 163.6 245.4#

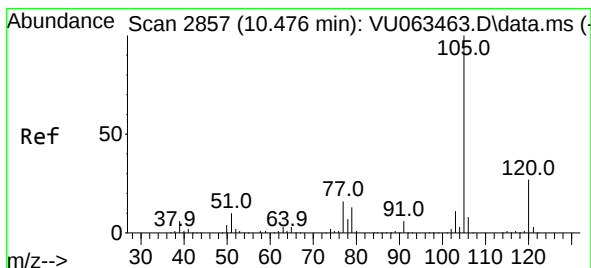
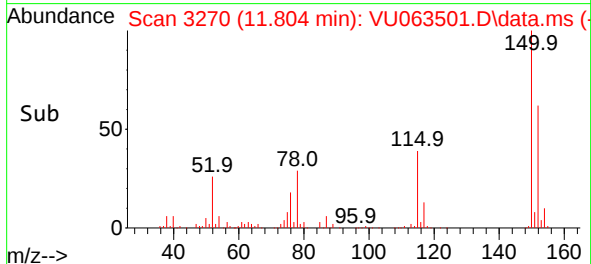
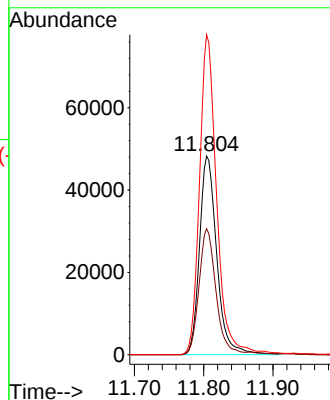
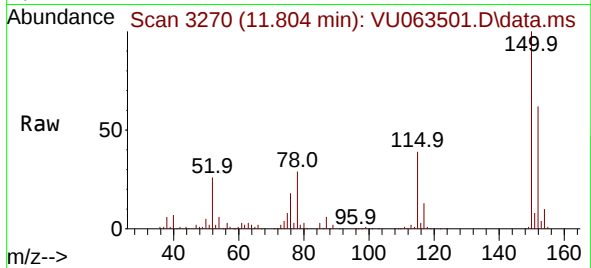




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.804 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

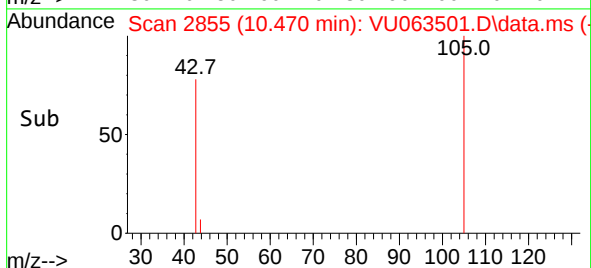
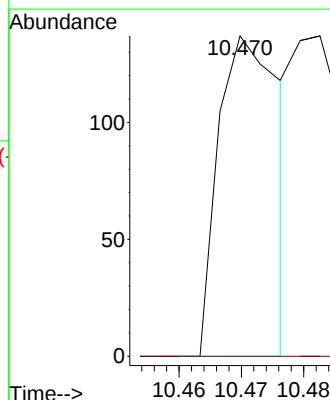
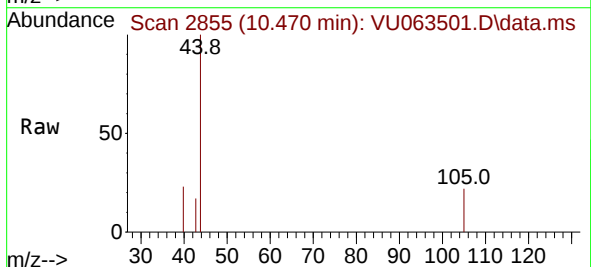
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

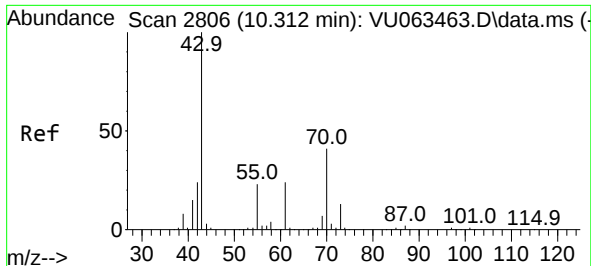
Tgt Ion:152 Resp: 83892
Ion Ratio Lower Upper
152 100
115 61.9 43.4 130.2
150 158.0 0.0 341.4



#73
Isopropylbenzene
Concen: 0.016 ug/l
RT: 10.470 min Scan# 2855
Delta R.T. -0.007 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion:105 Resp: 94
Ion Ratio Lower Upper
105 100
120 0.0 13.1 39.1#

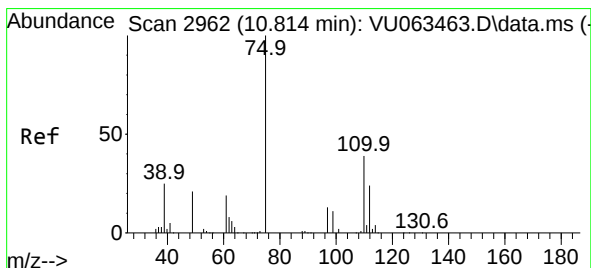
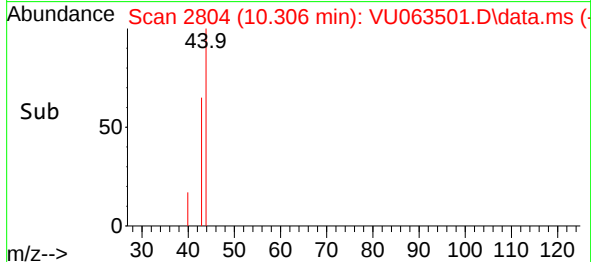
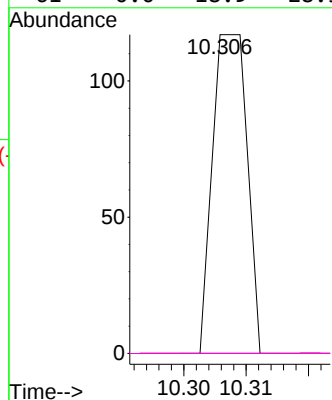
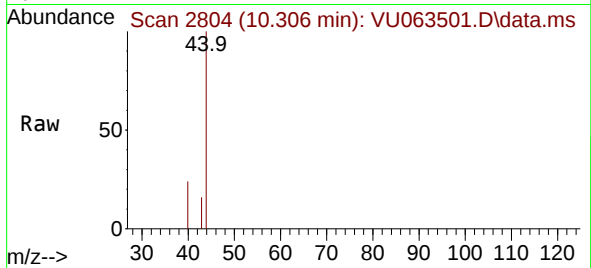




#74
N-ethyl acetate
Concen: 0.018 ug/l
RT: 10.306 min Scan# 2804
Delta R.T. -0.007 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

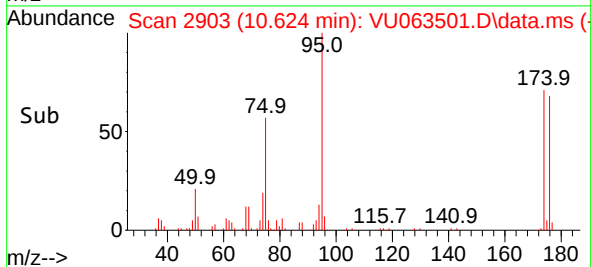
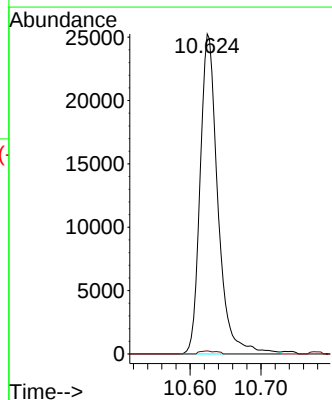
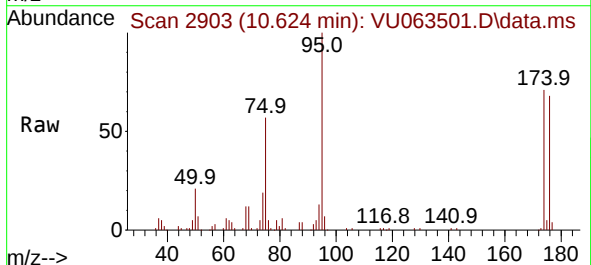
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

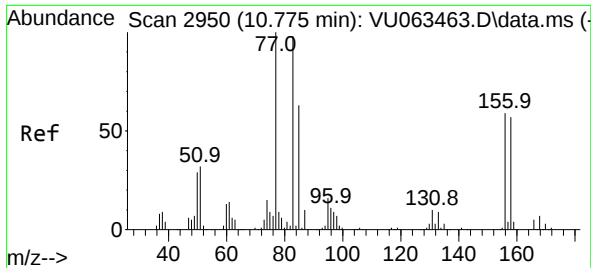
Tgt Ion: 43	Resp:	45
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.6 48.8#
55	0.0	18.6 27.8#
61	0.0	18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 19.755 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.190 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 75	Resp:	43916
Ion	Ratio	Lower Upper
75	100	
77	0.9	3.1 9.4#

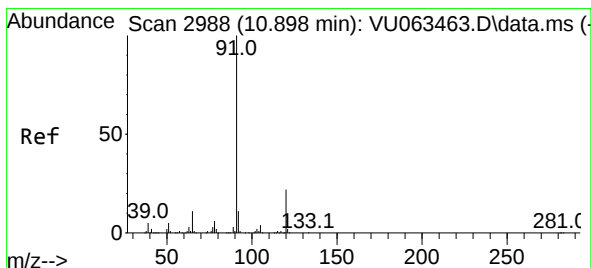
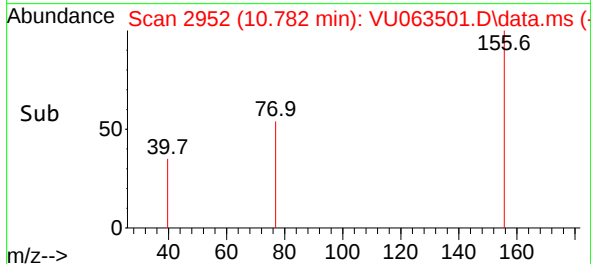
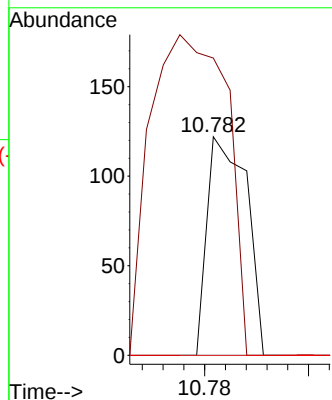
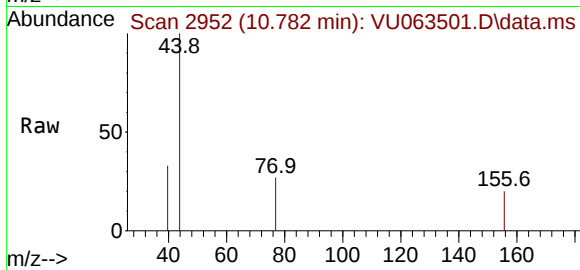




#77
Bromobenzene
Concen: 0.046 ug/l
RT: 10.782 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

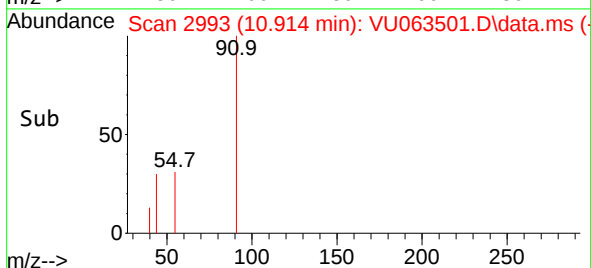
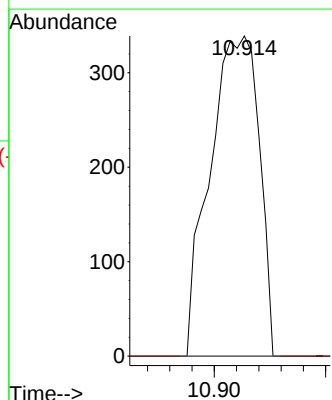
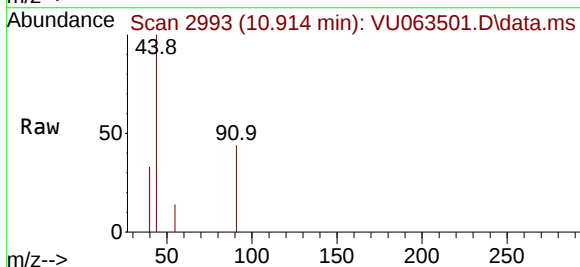
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

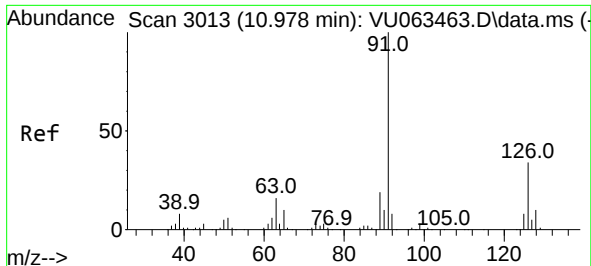
Tgt Ion:156 Resp: 64
Ion Ratio Lower Upper
156 100
77 285.9 78.2 234.6#
158 0.0 46.8 140.4#



#78
n-propylbenzene
Concen: 0.079 ug/l
RT: 10.914 min Scan# 2993
Delta R.T. 0.016 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 91 Resp: 521
Ion Ratio Lower Upper
91 100
120 0.0 11.5 34.4#





#79

2-Chlorotoluene

Concen: 0.078 ug/l

RT: 10.981 min Scan# 3013

Delta R.T. 0.003 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Instrument :

MSVOA_U

ClientSampleId :

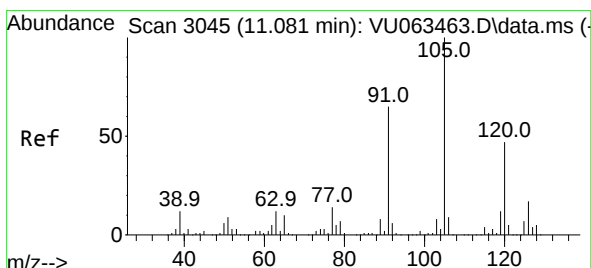
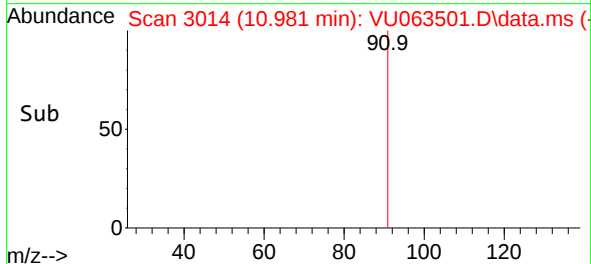
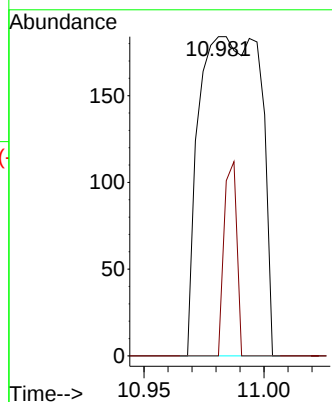
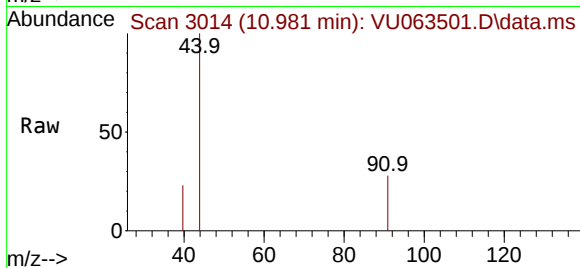
VU0714WBL01

Tgt Ion: 91 Resp: 325

Ion Ratio Lower Upper

91 100

126 12.6 15.9 47.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.024 ug/l

RT: 11.087 min Scan# 3047

Delta R.T. 0.006 min

Lab File: VU063501.D

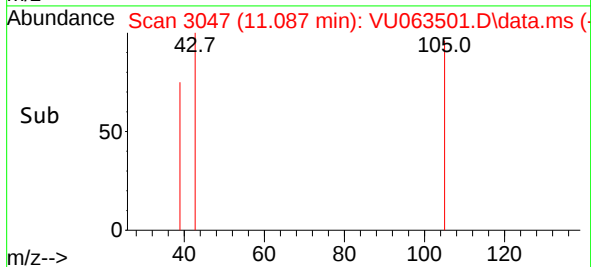
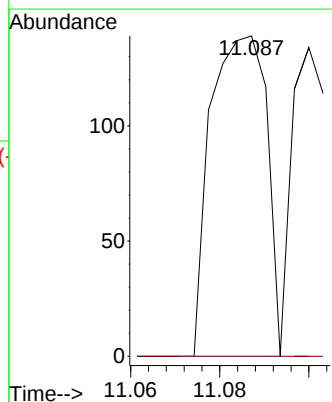
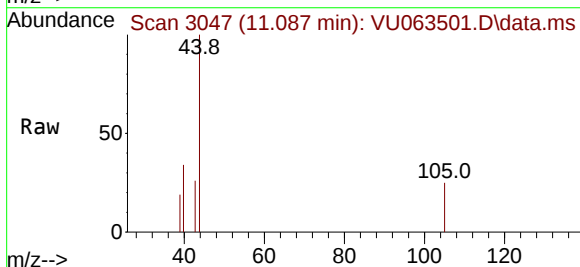
Acq: 14 Jul 2025 10:35

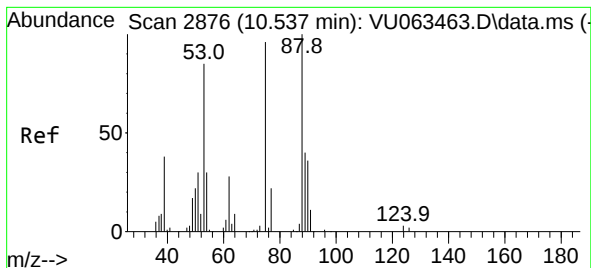
Tgt Ion: 105 Resp: 121

Ion Ratio Lower Upper

105 100

120 0.0 23.4 70.2#

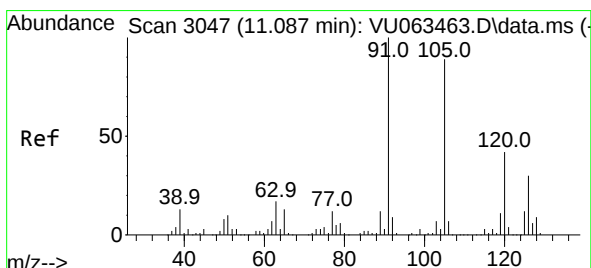
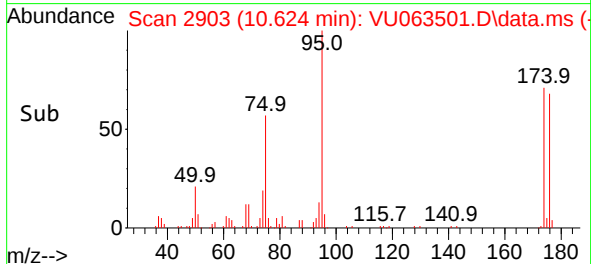
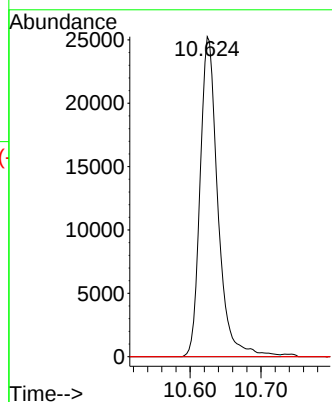
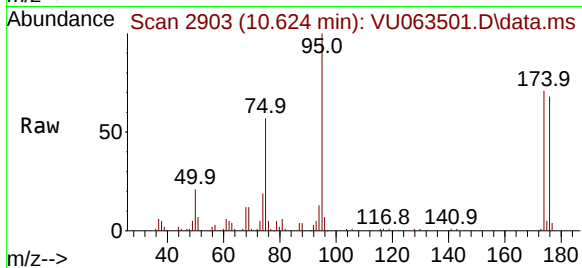




#81
trans-1,4-Dichloro-2-butene
Concen: 98.530 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. 0.087 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

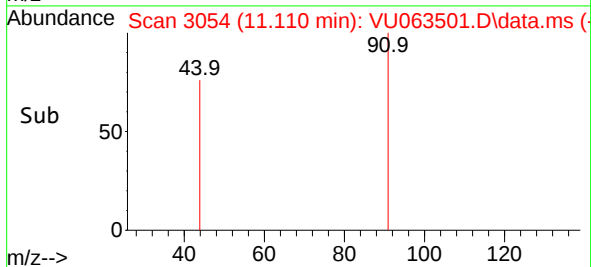
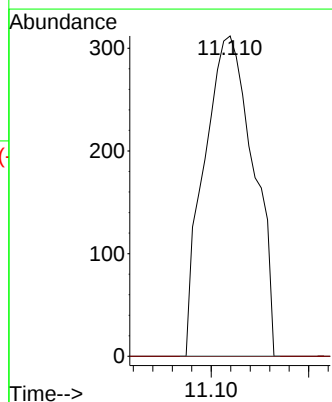
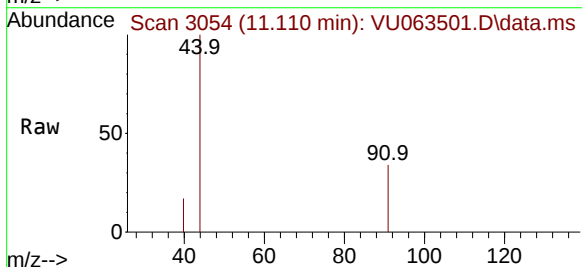
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

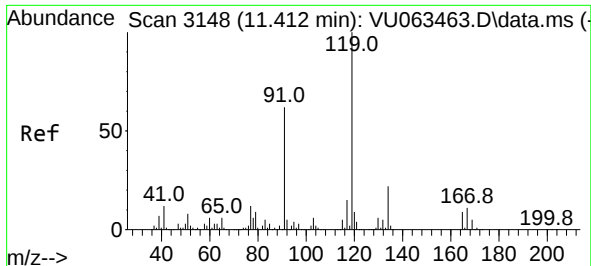
Tgt Ion: 75 Resp: 43916
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 36.3 54.5#



#82
4-Chlorotoluene
Concen: 0.116 ug/l
RT: 11.110 min Scan# 3054
Delta R.T. 0.022 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion: 91 Resp: 546
Ion Ratio Lower Upper
91 100
126 0.0 14.4 43.2#

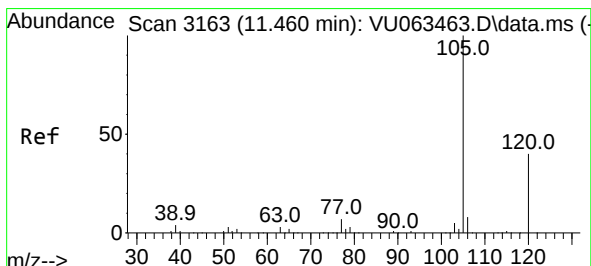
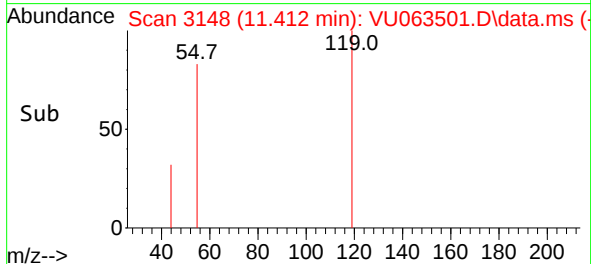
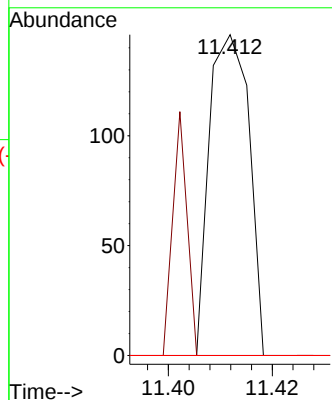
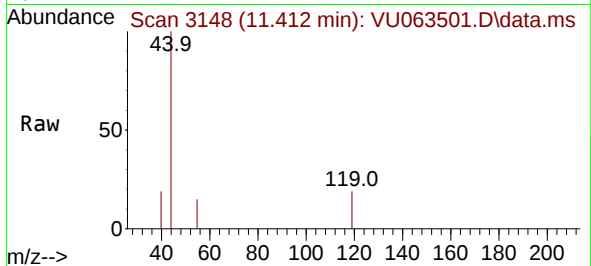




#83
tert-Butylbenzene
Concen: 0.016 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

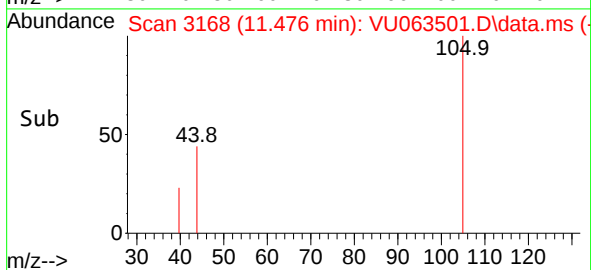
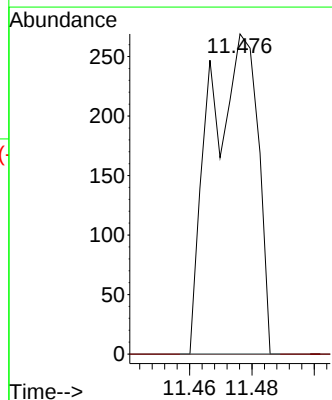
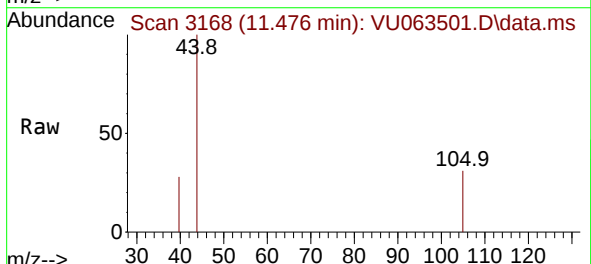
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

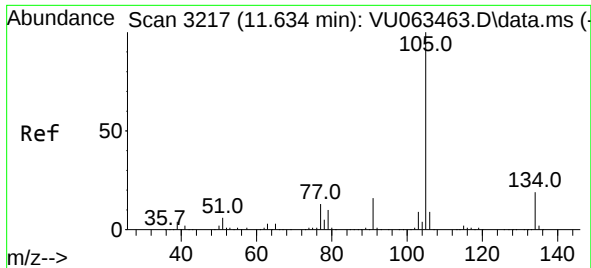
Tgt Ion:119 Resp: 77
Ion Ratio Lower Upper
119 100
91 27.3 30.3 91.0#
134 0.0 11.2 33.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.057 ug/l
RT: 11.476 min Scan# 3168
Delta R.T. 0.016 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

Tgt Ion:105 Resp: 281
Ion Ratio Lower Upper
105 100
120 0.0 22.1 66.3#

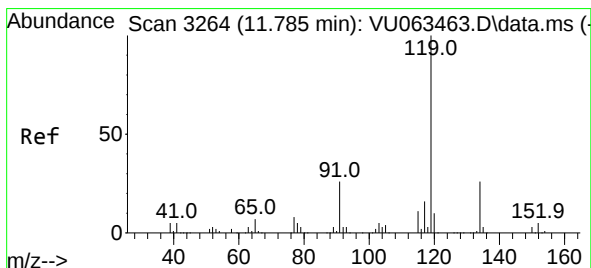
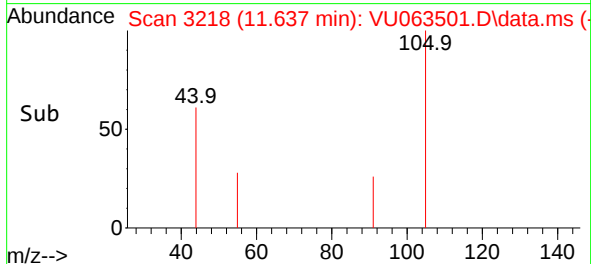
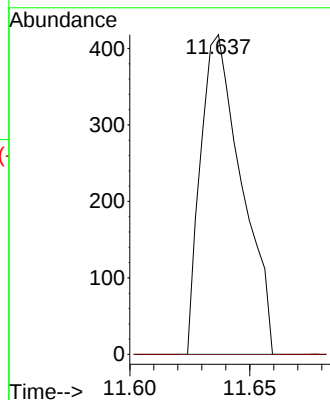
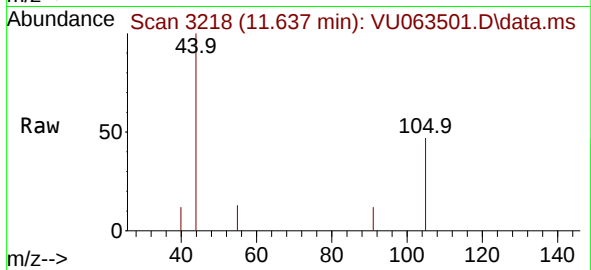




#85
 sec-Butylbenzene
 Concen: 0.079 ug/l
 RT: 11.637 min Scan# 3218
 Delta R.T. 0.003 min
 Lab File: VU063501.D
 Acq: 14 Jul 2025 10:35

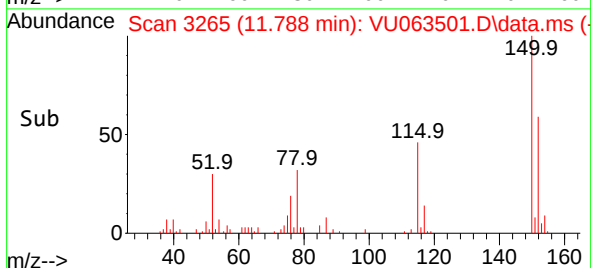
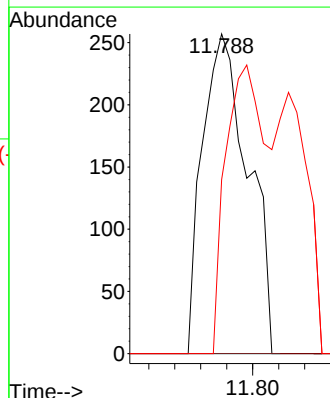
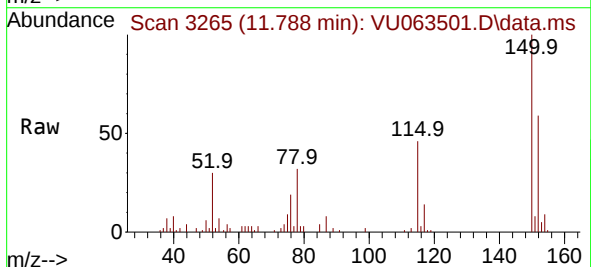
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0714WBL01

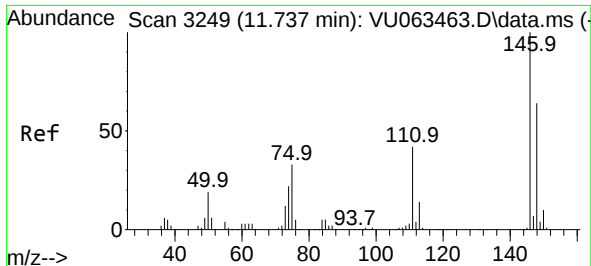
Tgt Ion:105 Resp: 498
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#



#86
 p-Isopropyltoluene
 Concen: 0.061 ug/l
 RT: 11.788 min Scan# 3265
 Delta R.T. 0.003 min
 Lab File: VU063501.D
 Acq: 14 Jul 2025 10:35

Tgt Ion:119 Resp: 314
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 38.9#
 91 80.6 13.0 38.9#





#87

1,3-Dichlorobenzene

Concen: 0.117 ug/l

RT: 11.740 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Instrument :

MSVOA_U

ClientSampleId :

VU0714WBL01

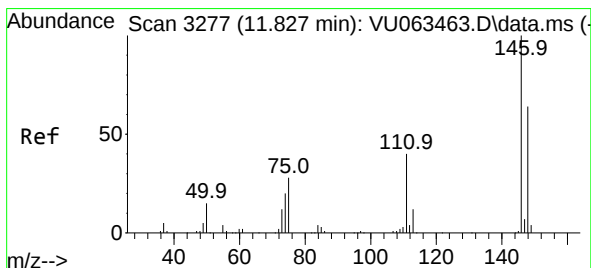
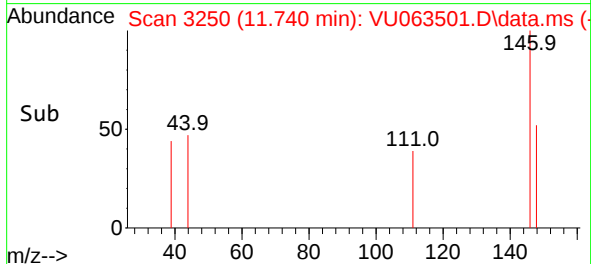
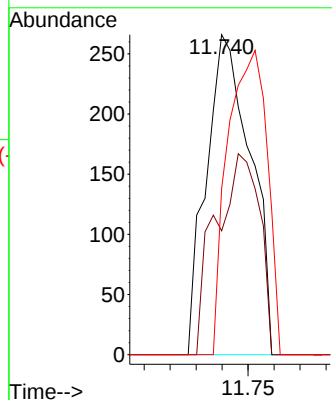
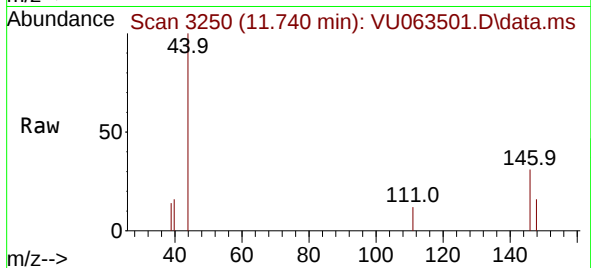
Tgt Ion:146 Resp: 315

Ion Ratio Lower Upper

146 100

111 62.2 20.9 62.7

148 84.4 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 0.186 ug/l

RT: 11.833 min Scan# 3279

Delta R.T. 0.006 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

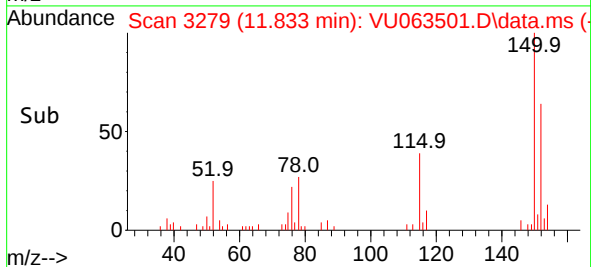
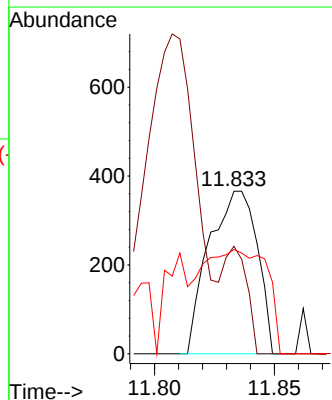
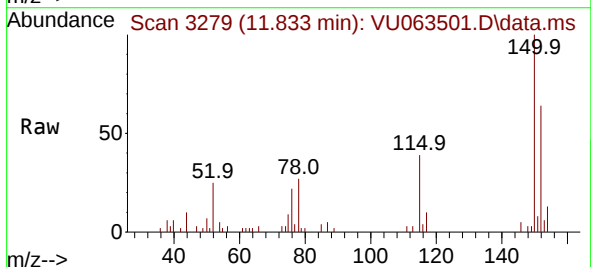
Tgt Ion:146 Resp: 512

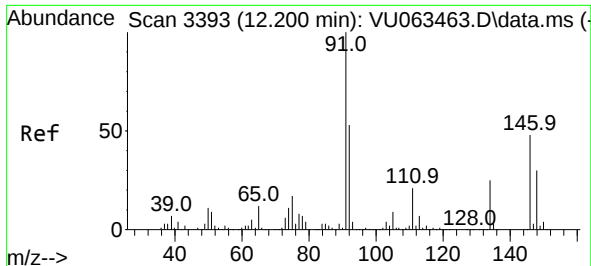
Ion Ratio Lower Upper

146 100

111 30.5 20.8 62.4

148 80.5 31.9 95.9





#89

n-Butylbenzene

Concen: 0.258 ug/l

RT: 12.216 min Scan# 31

Delta R.T. 0.016 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

Instrument :

MSVOA_U

ClientSampleId :

VU0714WBL01

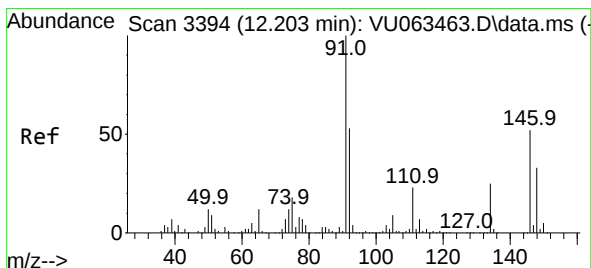
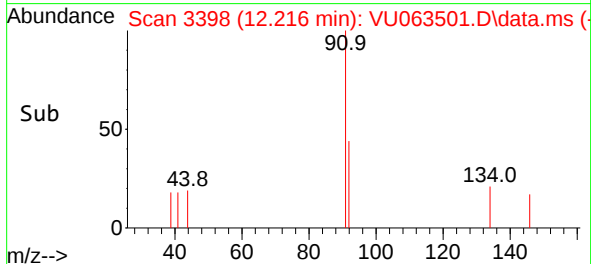
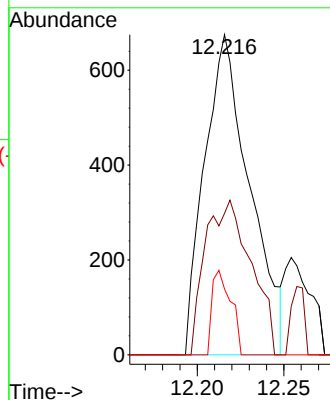
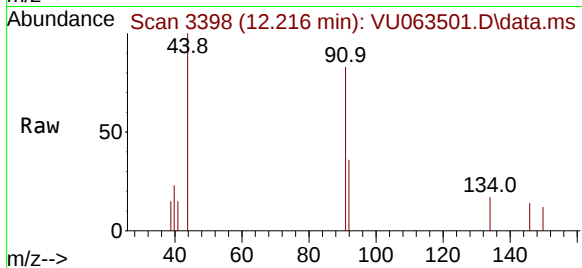
Tgt Ion: 91 Resp: 1223

Ion Ratio Lower Upper

91 100

92 49.0 26.4 79.2

134 11.0 12.4 37.0#



#91

1,2-Dichlorobenzene

Concen: 0.086 ug/l

RT: 12.222 min Scan# 3400

Delta R.T. 0.019 min

Lab File: VU063501.D

Acq: 14 Jul 2025 10:35

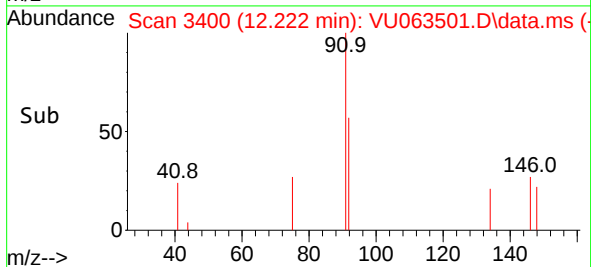
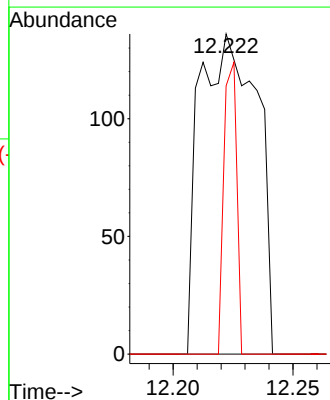
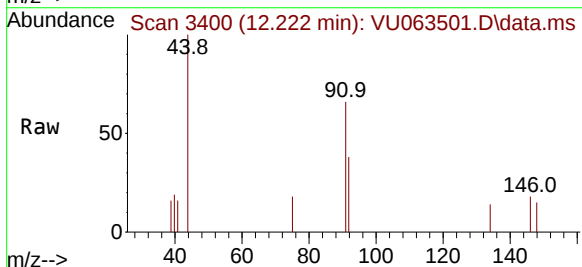
Tgt Ion:146 Resp: 226

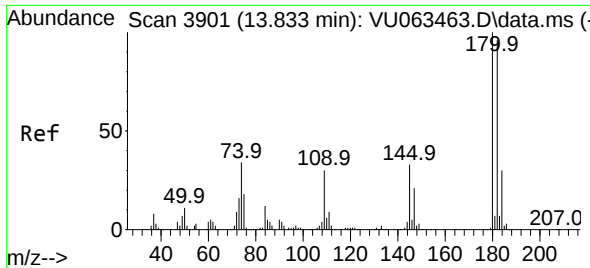
Ion Ratio Lower Upper

146 100

111 0.0 21.9 65.5#

148 20.4 31.6 95.0#

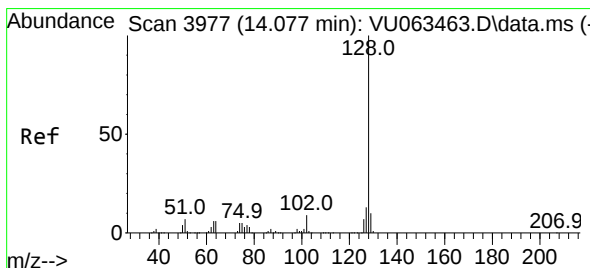
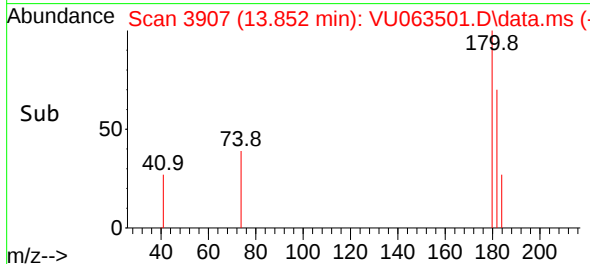
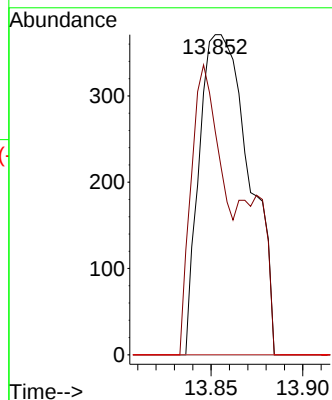
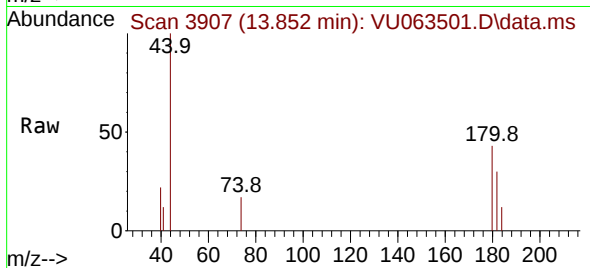




#93
1,2,4-Trichlorobenzene
Concen: 0.419 ug/l
RT: 13.852 min Scan# 3907
Delta R.T. 0.019 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

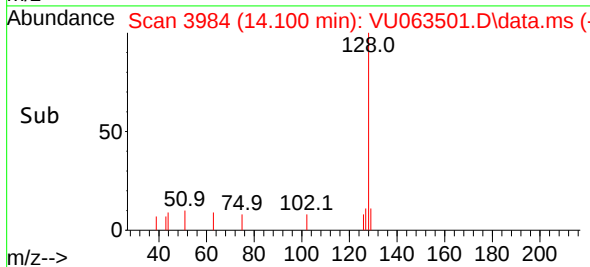
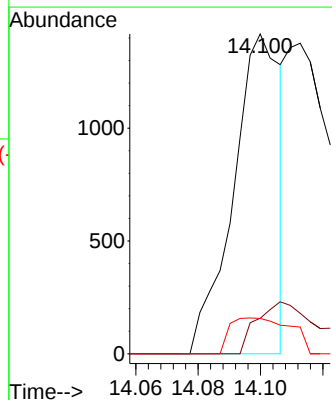
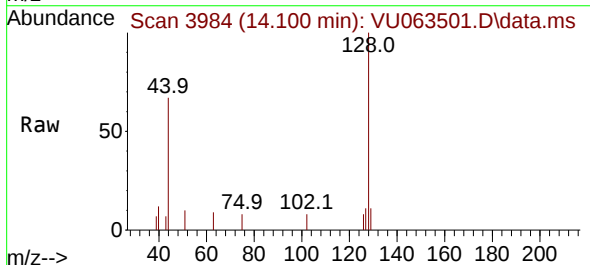
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL01

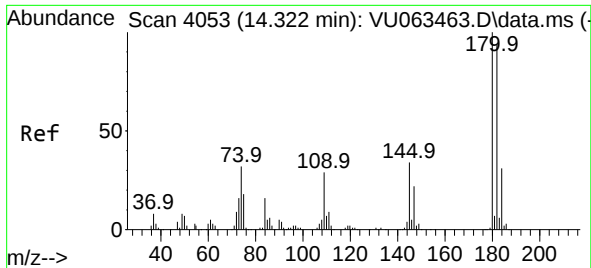
Tgt Ion:180 Resp: 705
Ion Ratio Lower Upper
180 100
182 57.0 47.7 143.1
145 0.0 16.6 49.7#



#95
Naphthalene
Concen: 0.269 ug/l
RT: 14.100 min Scan# 3984
Delta R.T. 0.022 min
Lab File: VU063501.D
Acq: 14 Jul 2025 10:35

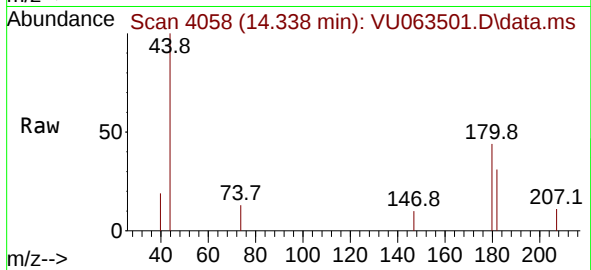
Tgt Ion:128 Resp: 1486
Ion Ratio Lower Upper
128 100
127 17.8 10.2 15.4#
129 14.5 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.337 ug/l
 RT: 14.338 min Scan# 4058
 Delta R.T. 0.016 min
 Lab File: VU063501.D
 Acq: 14 Jul 2025 10:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0714WBL01



Tgt Ion:180 Resp: 557
 Ion Ratio Lower Upper
 180 100
 182 114.4 47.8 143.3
 145 3.6 17.2 51.5#

