

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063472.D
 Acq On : 10 Jul 2025 11:27
 Operator : MD/SY
 Sample : VU0710WBL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL04

Quant Time: Jul 11 04:47:42 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	5.357	168	116471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	203764	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	185746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	96537	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	75847	51.040	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.080%	
35) Dibromofluoromethane	5.274	113	60236	49.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.080%	
50) Toluene-d8	7.888	98	192081	47.976	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.960%	
62) 4-Bromofluorobenzene	10.624	95	85975	49.093	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.180%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.538	85	19	0.021	ug/l #	43
3) Chloromethane	1.522	50	307	0.272	ug/l #	42
4) Vinyl Chloride	1.596	62	78	0.062	ug/l #	62
5) Bromomethane	1.850	94	113	0.129	ug/l #	48
6) Chloroethane	1.920	64	256	0.282	ug/l #	43
8) Diethyl Ether	2.383	74	41	0.049	ug/l #	1
10) Methyl Iodide	2.711	142	334	0.268	ug/l #	37
11) Tert butyl alcohol	3.174	59	606	1.216	ug/l #	30
12) 1,1-Dichloroethene	2.567	96	121	0.109	ug/l #	1
13) Acrolein	2.480	56	106	1.507	ug/l #	1
14) Allyl chloride	2.904	41	244	0.092	ug/l #	54
15) Acrylonitrile	3.306	53	123	0.115	ug/l #	1
16) Acetone	2.618	43	1254	1.006	ug/l #	87
17) Carbon Disulfide	2.779	76	801	0.302	ug/l #	75
18) Methyl Acetate	2.940	43	269	0.084	ug/l #	54
19) Methyl tert-butyl Ether	3.341	73	67	0.014	ug/l #	54
20) Methylene Chloride	3.030	84	2354	1.295	ug/l #	87
21) trans-1,2-Dichloroethene	3.348	96	104	0.087	ug/l #	34
22) Diisopropyl ether	3.830	45	67	0.015	ug/l #	32
23) Vinyl Acetate	3.959	43	349	0.100	ug/l #	73
24) 1,1-Dichloroethane	3.663	63	68	0.027	ug/l #	82
25) 2-Butanone	4.685	43	21	0.015	ug/l #	49
29) Tetrahydrofuran	5.042	42	41	0.046	ug/l #	32
30) Chloroform	5.219	83	19	0.007	ug/l #	19
31) Cyclohexane	5.357	56	3046	1.482	ug/l #	8
36) 1,1-Dichloropropene	5.354	75	10416	6.241	ug/l #	50
37) Ethyl Acetate	4.795	43	183	0.068	ug/l #	70
38) Carbon Tetrachloride	5.361	117	12307	6.693	ug/l #	17
40) Benzene	5.795	78	21	0.004	ug/l #	52
41) Methacrylonitrile	4.956	41	136	0.107	ug/l #	21
43) Isopropyl Acetate	5.910	43	114	0.032	ug/l #	61
45) 1,2-Dichloropropane	6.499	63	20	0.014	ug/l #	43
48) Methyl methacrylate	6.923	41	181	0.109	ug/l #	17
51) 4-Methyl-2-Pentanone	7.772	43	63	0.024	ug/l #	36
52) Toluene	7.968	92	20	0.006	ug/l #	1
56) Ethyl methacrylate	8.499	69	86	0.037	ug/l #	73

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
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 ALS Vial : 7 Sample Multiplier: 1

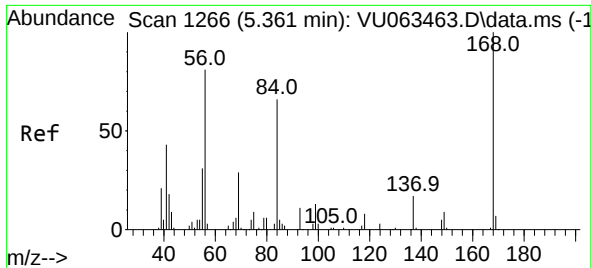
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL04

Quant Time: Jul 11 04:47:42 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)

59) 2-Hexanone	8.701	43	569	0.290	ug/l	97
65) Chlorobenzene	9.441	112	161	0.042	ug/l #	43
67) Ethyl Benzene	9.557	91	94	0.014	ug/l #	44
73) Isopropylbenzene	10.483	105	111	0.017	ug/l #	49
74) N-amyl acetate	10.303	43	52	0.018	ug/l #	1
76) 1,2,3-Trichloropropane	10.624	75	45799	17.904	ug/l #	84
78) n-propylbenzene	10.901	91	224	0.029	ug/l #	53
79) 2-Chlorotoluene	10.991	91	120	0.025	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.097	105	51	0.009	ug/l #	30
81) trans-1,4-Dichloro-2-b...	10.624	75	45799	89.295	ug/l #	12
82) 4-Chlorotoluene	11.110	91	373	0.069	ug/l #	46
83) tert-Butylbenzene	11.415	119	40	0.007	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.467	105	63	0.011	ug/l #	32
85) sec-Butylbenzene	11.637	105	157	0.022	ug/l #	57
86) p-Isopropyltoluene	11.782	119	353	0.060	ug/l #	41
87) 1,3-Dichlorobenzene	11.749	146	297	0.096	ug/l #	36
88) 1,4-Dichlorobenzene	11.823	146	511	0.162	ug/l #	51
89) n-Butylbenzene	12.219	91	682	0.125	ug/l #	82
91) 1,2-Dichlorobenzene	12.206	146	97	0.032	ug/l #	24
93) 1,2,4-Trichlorobenzene	13.855	180	535	0.276	ug/l #	52
95) Naphthalene	14.116	128	3135	0.494	ug/l #	78
96) 1,2,3-Trichlorobenzene	14.331	180	321	0.169	ug/l	61

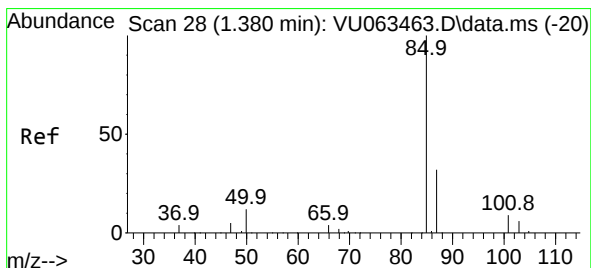
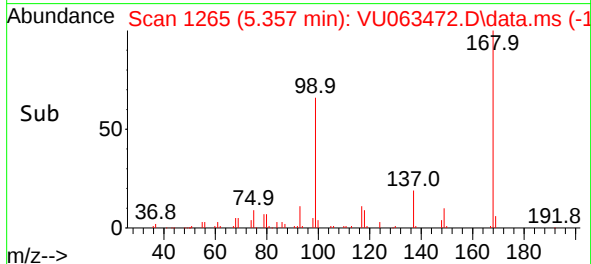
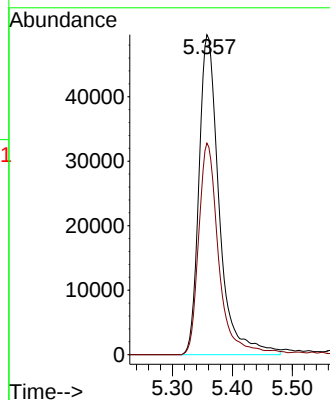
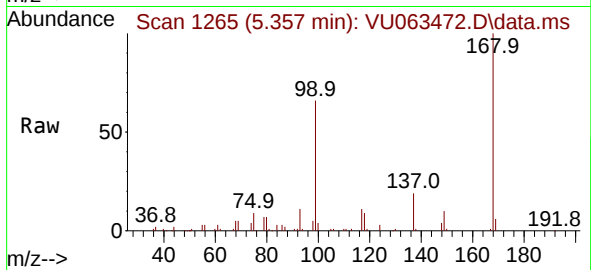
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.357 min Scan# 11
Delta R.T. -0.004 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

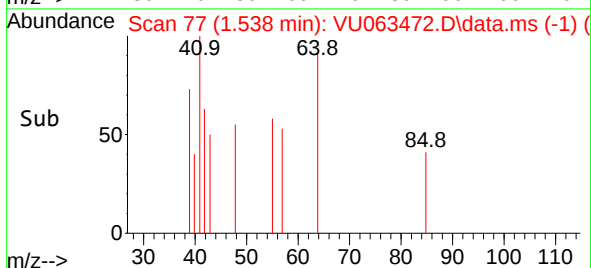
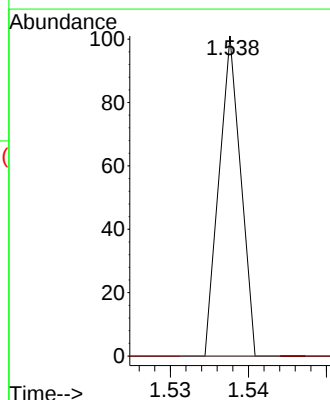
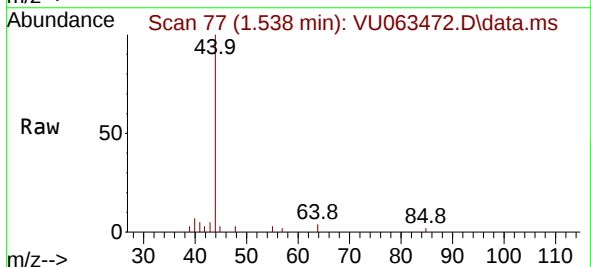
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

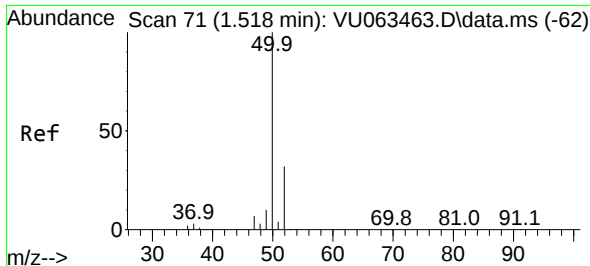
Tgt Ion:168 Resp: 116471
Ion Ratio Lower Upper
168 100
99 66.1 47.7 71.5



#2
Dichlorodifluoromethane
Concen: 0.021 ug/l
RT: 1.538 min Scan# 77
Delta R.T. 0.157 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

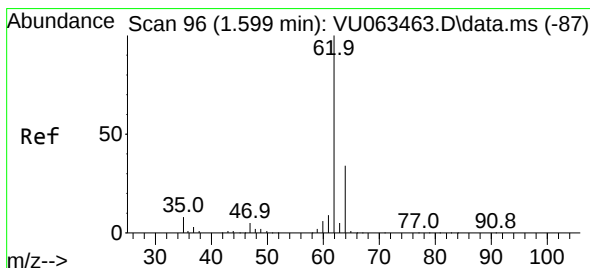
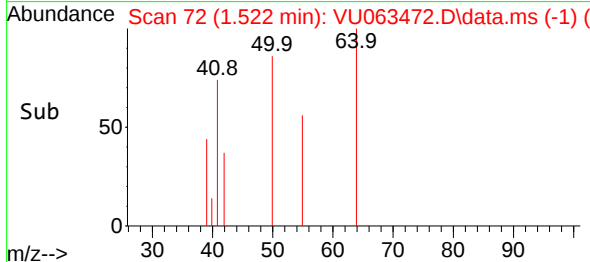
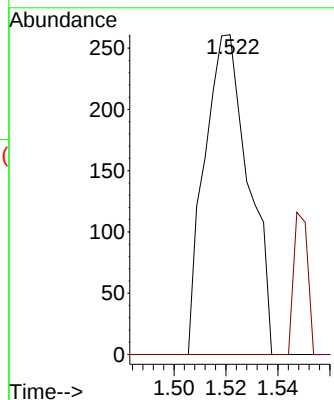
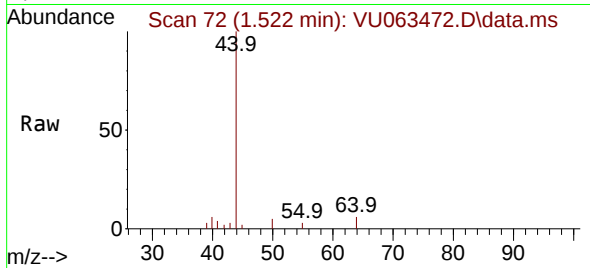




#3
Chloromethane
Concen: 0.272 ug/l
RT: 1.522 min Scan# 71
Delta R.T. 0.004 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

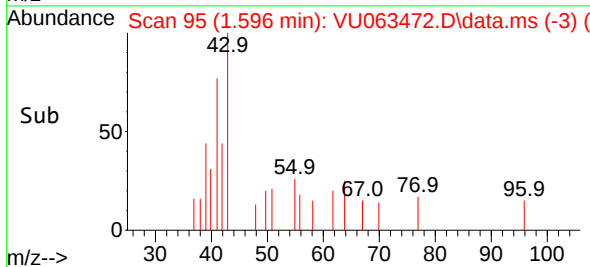
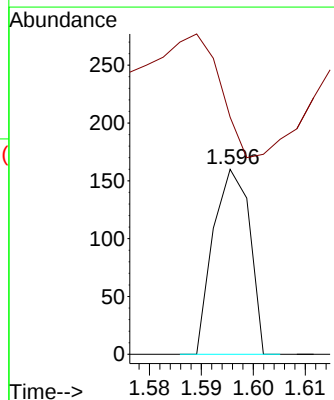
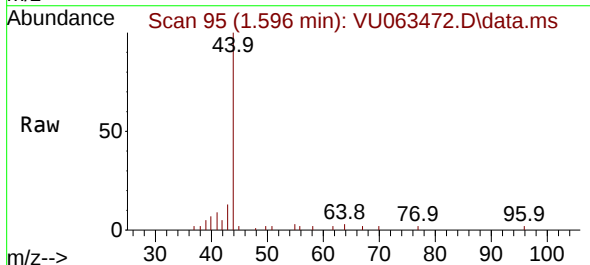
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

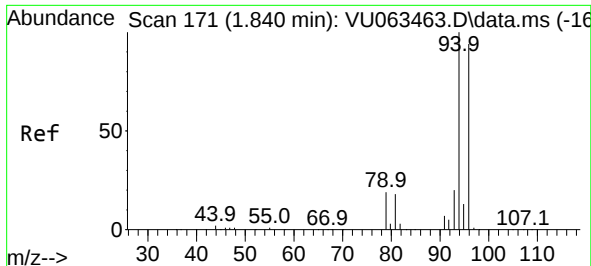
Tgt Ion: 50 Resp: 307
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



#4
Vinyl Chloride
Concen: 0.062 ug/l
RT: 1.596 min Scan# 95
Delta R.T. -0.003 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 62 Resp: 78
Ion Ratio Lower Upper
62 100
64 11.9 26.9 40.3#

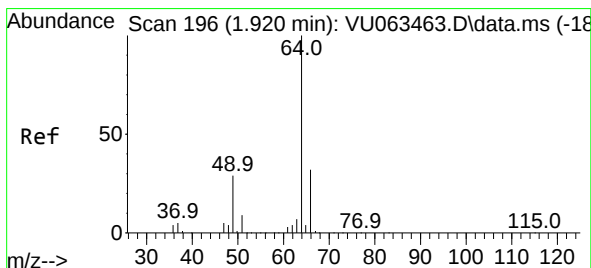
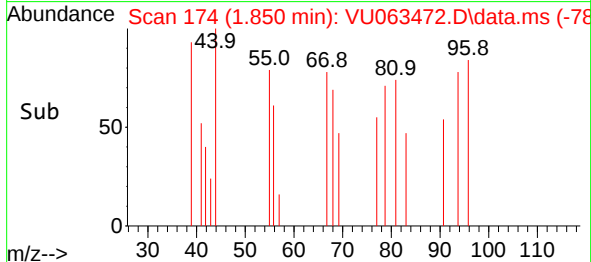
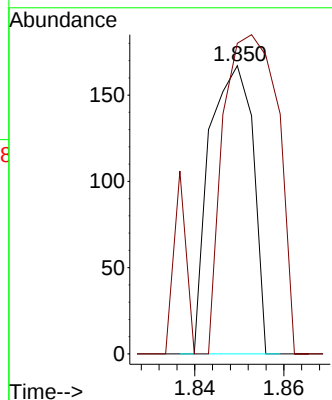
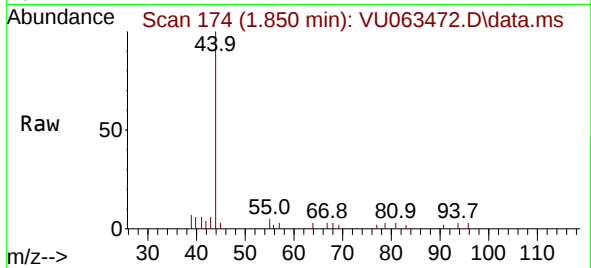




#5
Bromomethane
Concen: 0.129 ug/l
RT: 1.850 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

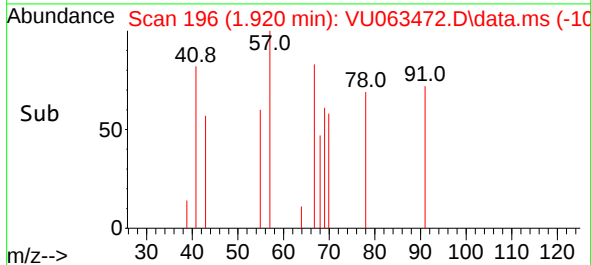
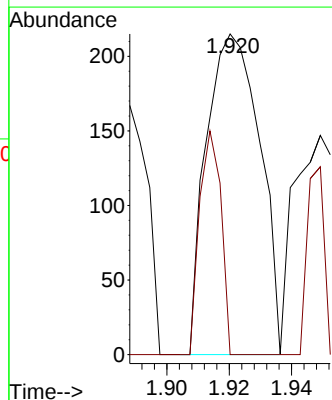
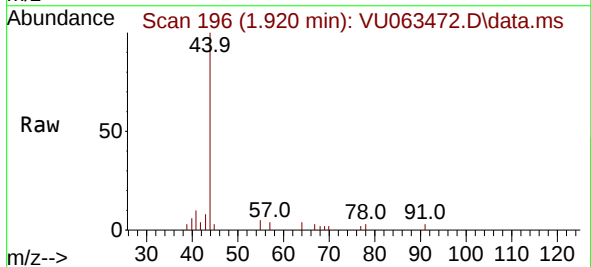
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

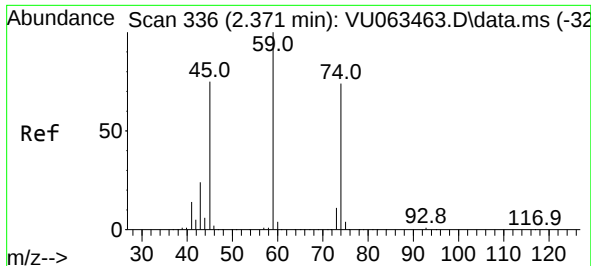
Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 44.3 75.5 113.3#



#6
Chloroethane
Concen: 0.282 ug/l
RT: 1.920 min Scan# 196
Delta R.T. 0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

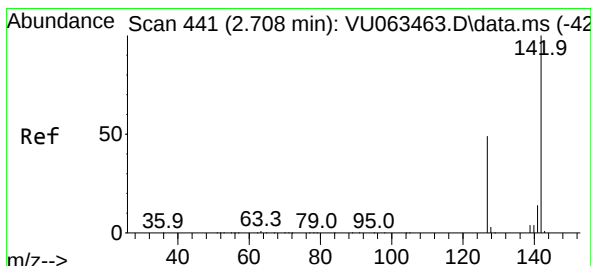
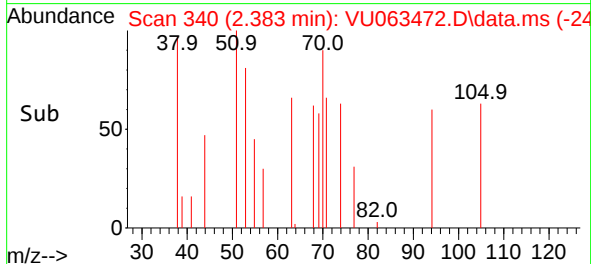
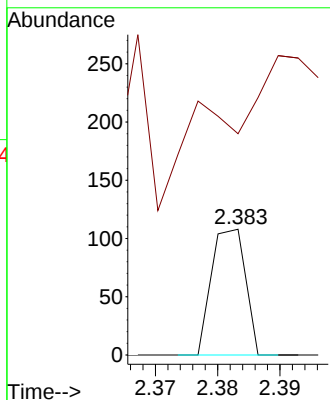
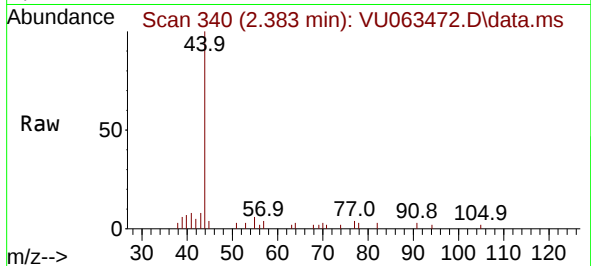




#8
 Diethyl Ether
 Concen: 0.049 ug/l
 RT: 2.383 min Scan# 341
 Delta R.T. 0.013 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

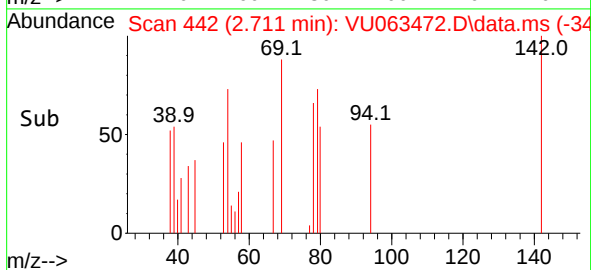
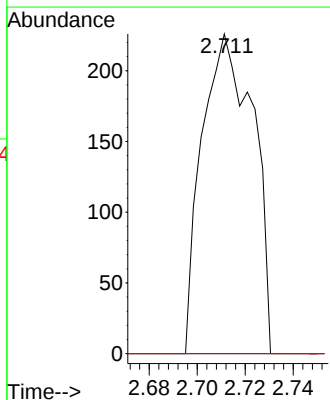
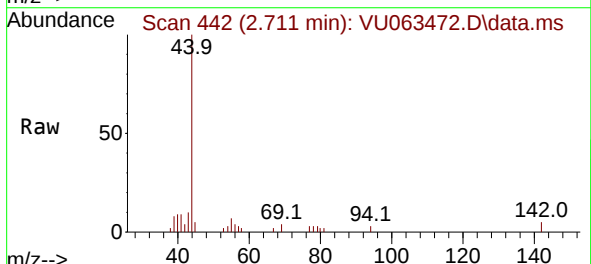
Instrument :
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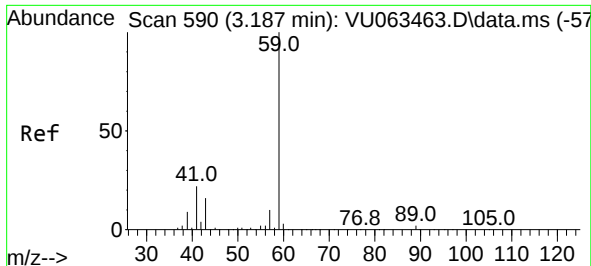
Tgt Ion: 74 Resp: 41
 Ion Ratio Lower Upper
 74 100
 45 426.8 49.7 149.1#



#10
 Methyl Iodide
 Concen: 0.268 ug/l
 RT: 2.711 min Scan# 442
 Delta R.T. 0.003 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

Tgt Ion: 142 Resp: 334
 Ion Ratio Lower Upper
 142 100
 127 0.0 38.2 57.4#
 141 0.0 11.1 16.7#

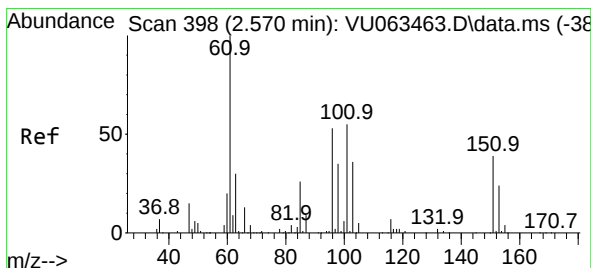
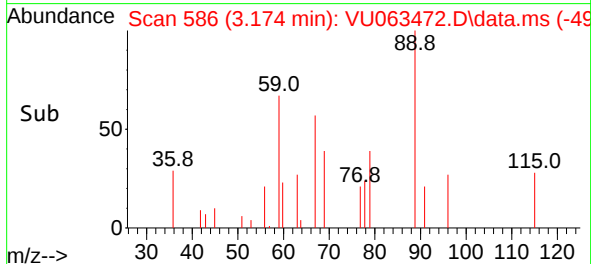
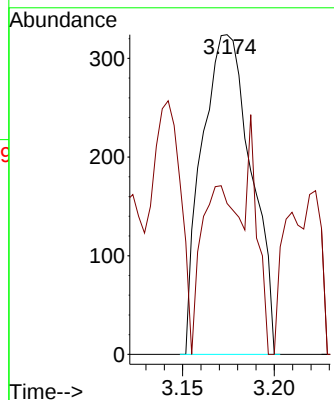
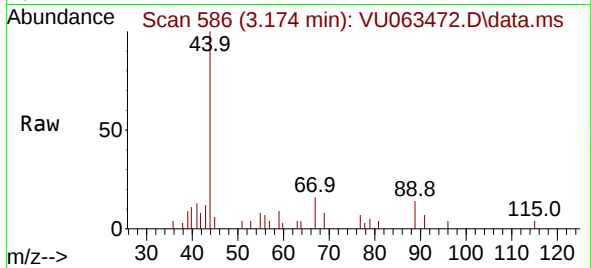




#11
Tert butyl alcohol
Concen: 1.216 ug/l
RT: 3.174 min Scan# 590
Delta R.T. -0.013 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

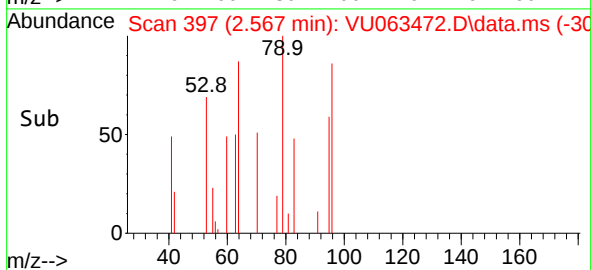
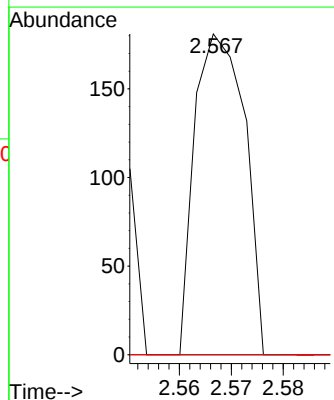
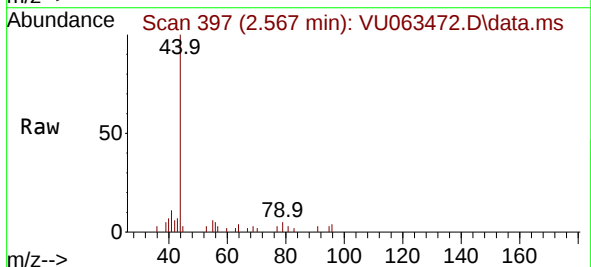
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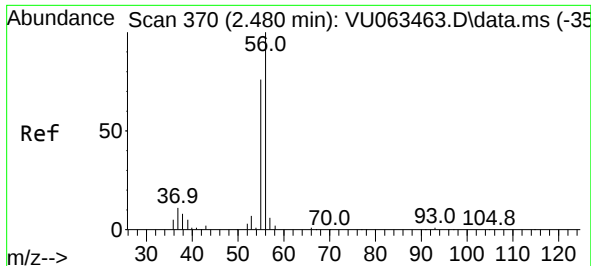
Tgt Ion: 59 Resp: 606
Ion Ratio Lower Upper
59 100
57 37.5 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.109 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

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: 1.507 ug/l

RT: 2.480 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

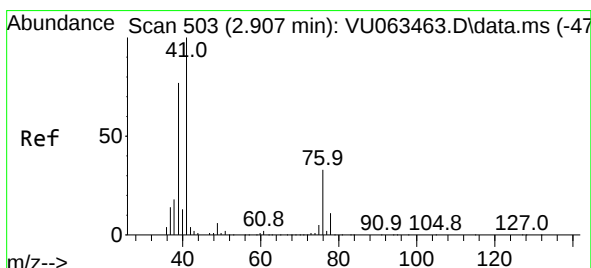
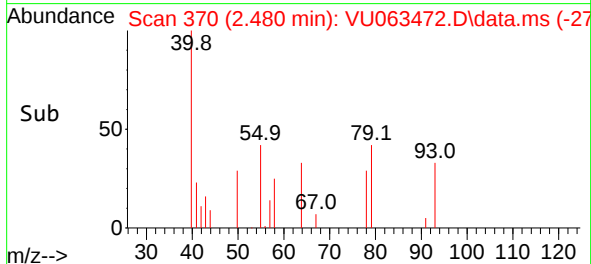
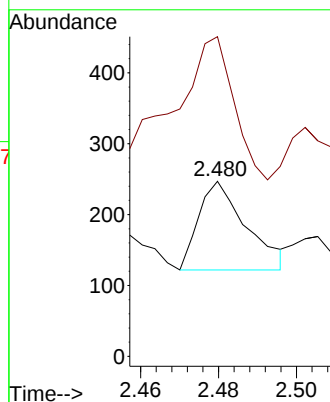
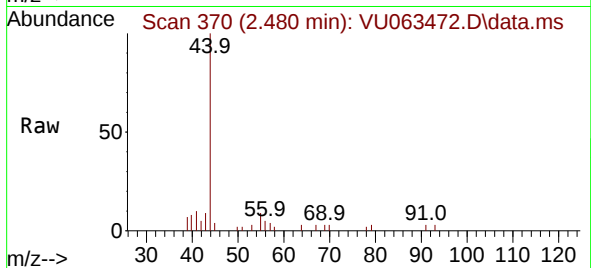
VU0710WBL04

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 271.7 60.2 90.2#



#14

Allyl chloride

Concen: 0.092 ug/l

RT: 2.904 min Scan# 502

Delta R.T. -0.003 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

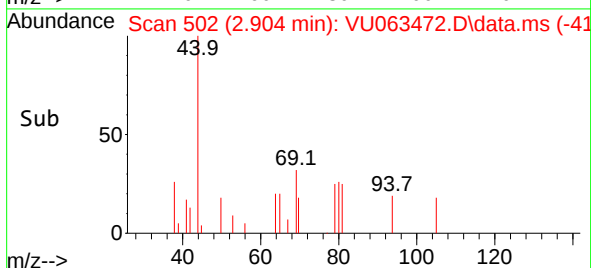
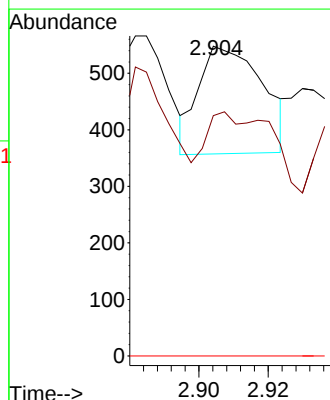
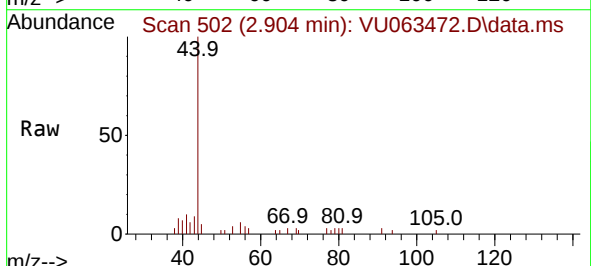
Tgt Ion: 41 Resp: 244

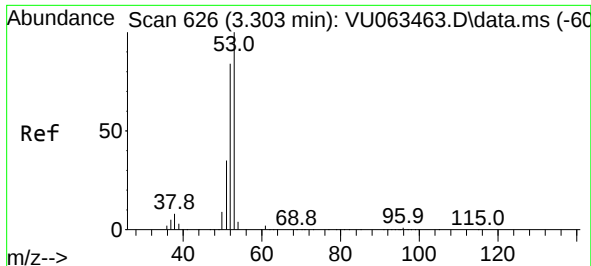
Ion Ratio Lower Upper

41 100

39 101.2 53.9 80.9#

76 0.0 23.1 34.7#

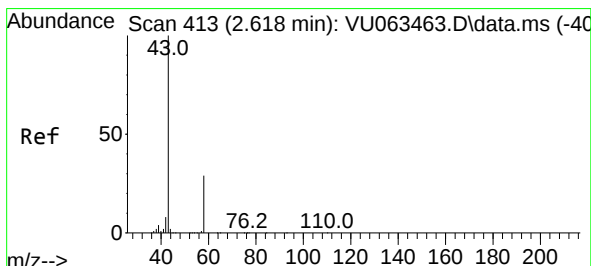
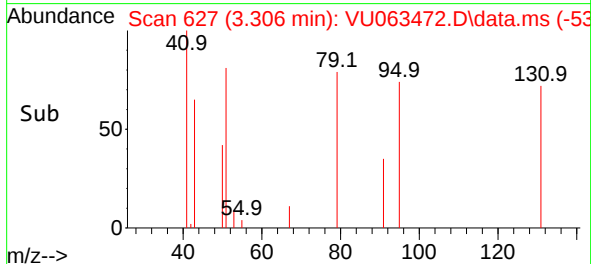
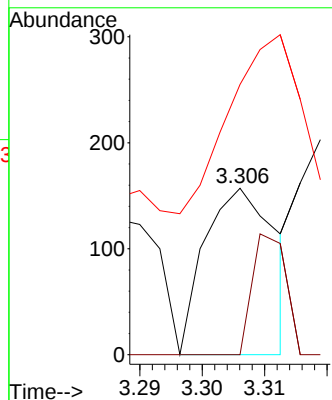
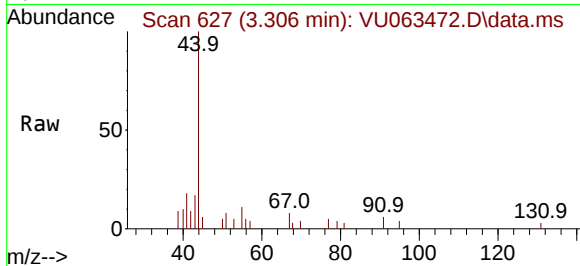




#15
Acrylonitrile
Concen: 0.115 ug/l
RT: 3.306 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

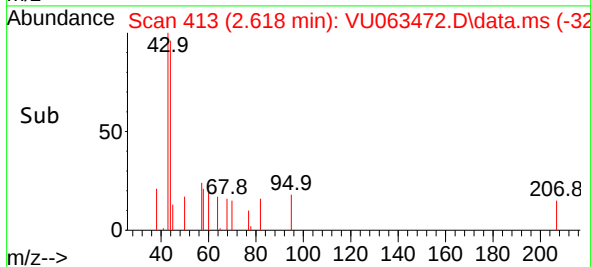
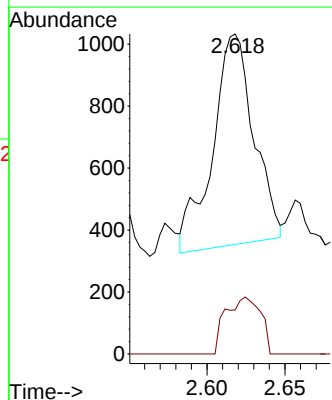
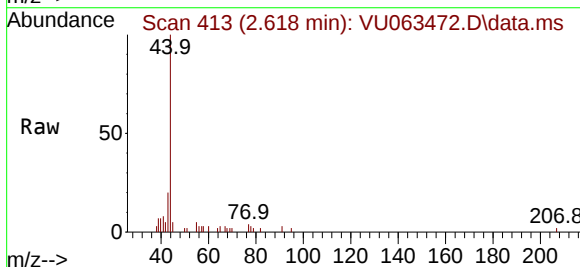
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

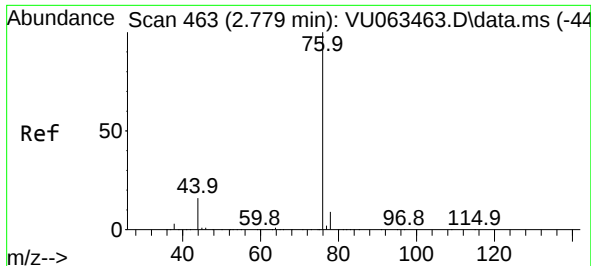
Tgt Ion: 53 Resp: 123
Ion Ratio Lower Upper
53 100
52 34.1 65.0 97.4#
51 312.2 28.8 43.2#



#16
Acetone
Concen: 1.006 ug/l
RT: 2.618 min Scan# 413
Delta R.T. -0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 43 Resp: 1254
Ion Ratio Lower Upper
43 100
58 22.0 23.1 34.7#

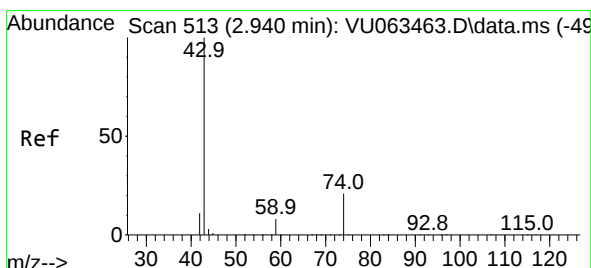
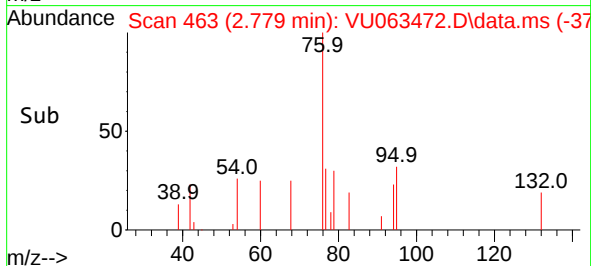
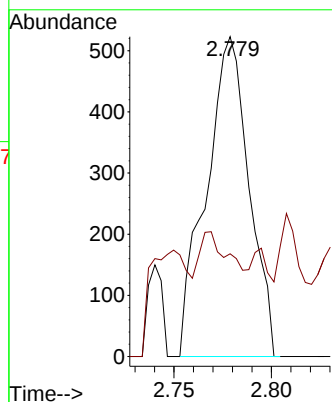
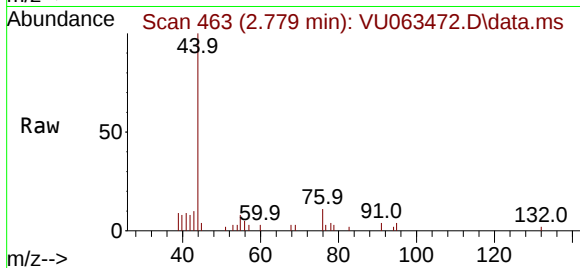




#17
Carbon Disulfide
Concen: 0.302 ug/l
RT: 2.779 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

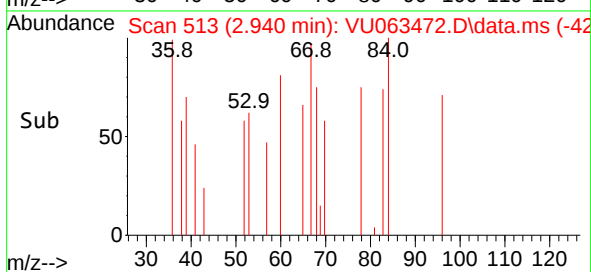
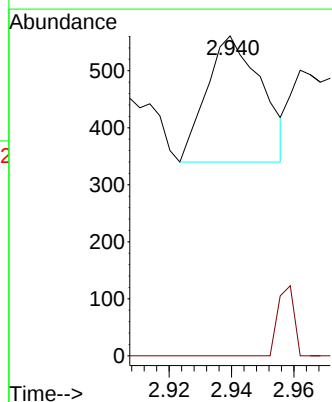
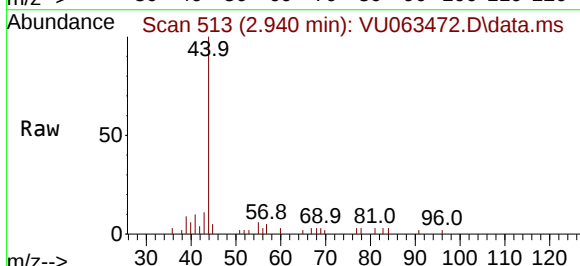
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

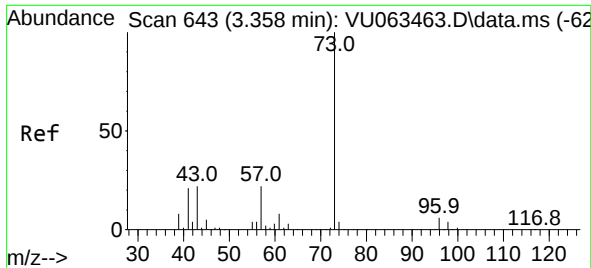
Tgt Ion: 76 Resp: 801
Ion Ratio Lower Upper
76 100
78 0.4 7.5 11.3#



#18
Methyl Acetate
Concen: 0.084 ug/l
RT: 2.940 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#

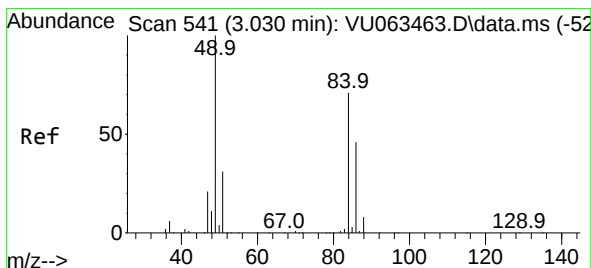
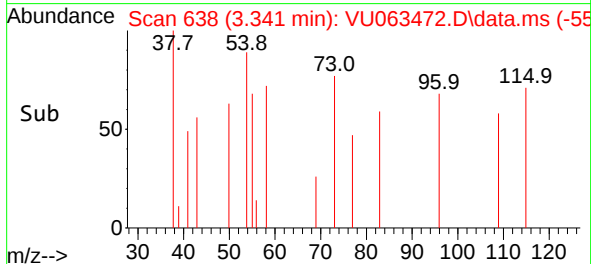
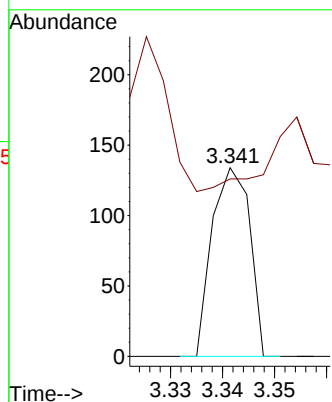
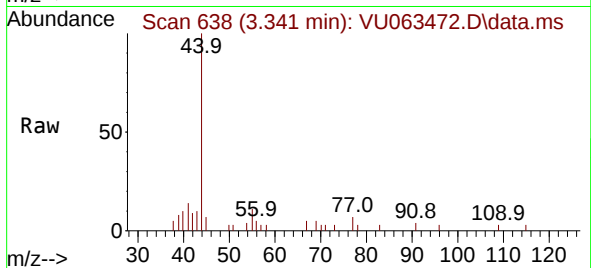




#19
Methyl tert-butyl Ether
Concen: 0.014 ug/l
RT: 3.341 min Scan# 61
Delta R.T. -0.017 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

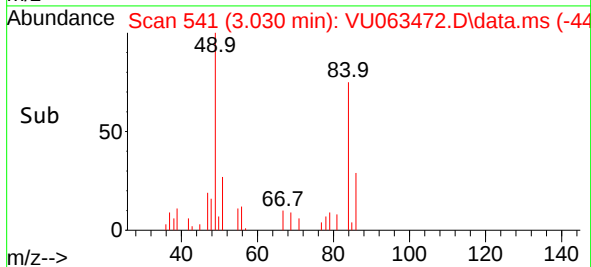
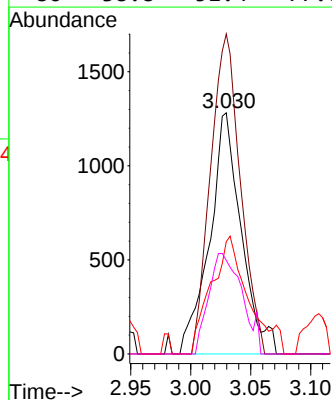
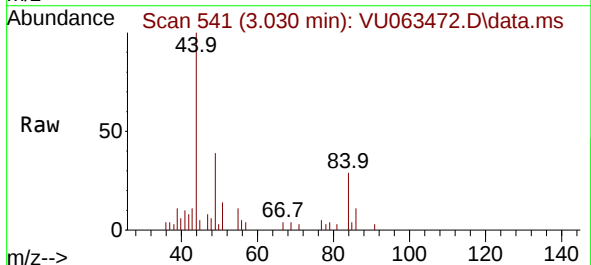
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

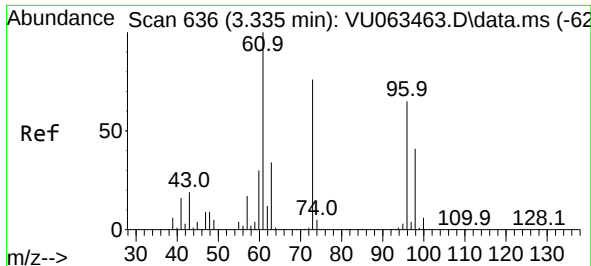
Tgt Ion: 73 Resp: 67
Ion Ratio Lower Upper
73 100
57 0.0 17.8 26.6#



#20
Methylene Chloride
Concen: 1.295 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 84 Resp: 2354
Ion Ratio Lower Upper
84 100
49 132.7 112.1 168.1
51 46.6 34.4 51.6
86 38.8 51.4 77.0#

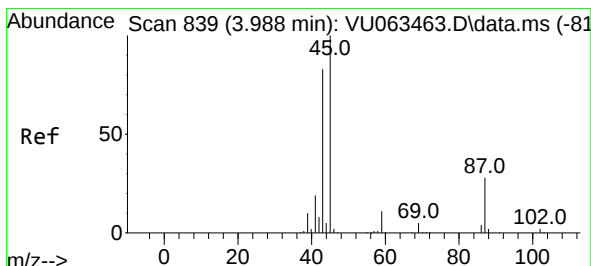
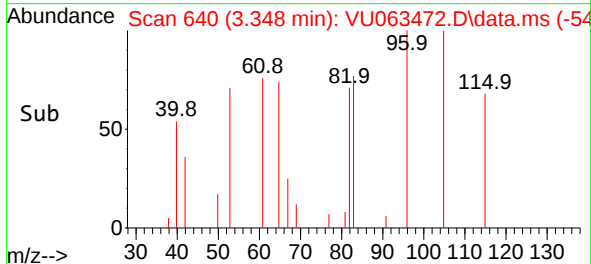
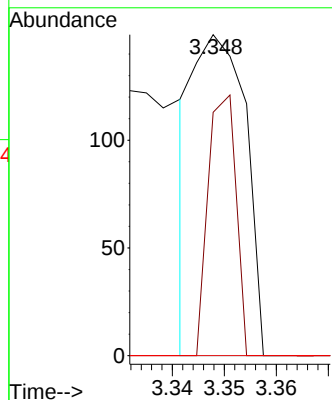
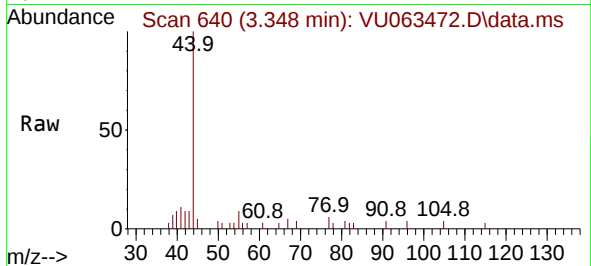




#21
trans-1,2-Dichloroethene
Concen: 0.087 ug/l
RT: 3.348 min Scan# 64
Delta R.T. 0.013 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

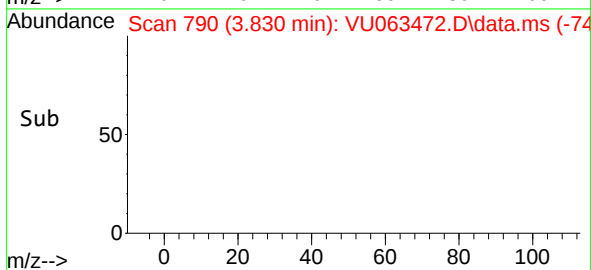
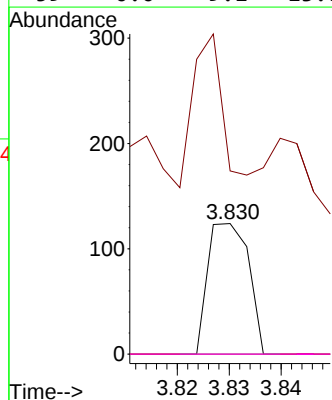
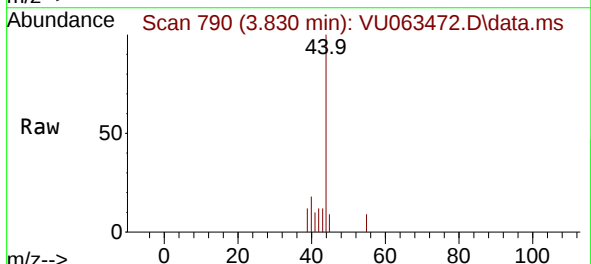
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

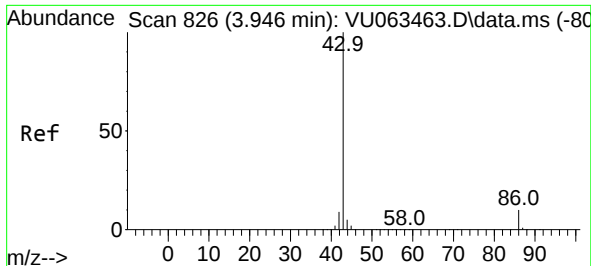
Tgt Ion: 96 Resp: 104
Ion Ratio Lower Upper
96 100
61 75.8 122.2 183.4#
98 0.0 49.9 74.9#



#22
Diisopropyl ether
Concen: 0.015 ug/l
RT: 3.830 min Scan# 790
Delta R.T. -0.158 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 45 Resp: 67
Ion Ratio Lower Upper
45 100
43 12.9 66.5 99.7#
87 0.0 22.6 33.8#
59 0.0 9.1 13.7#

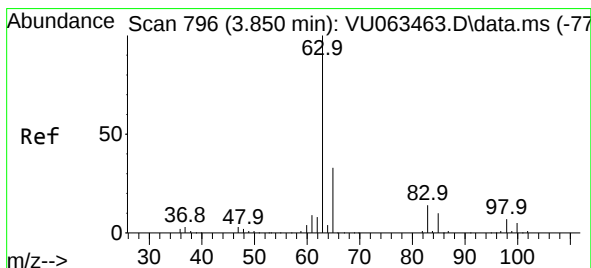
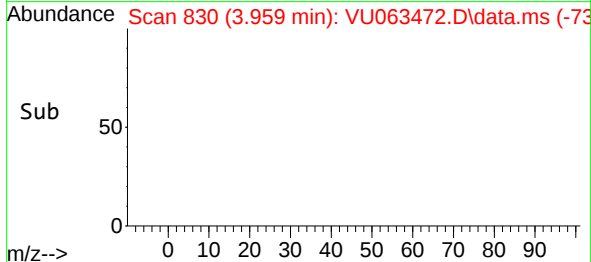
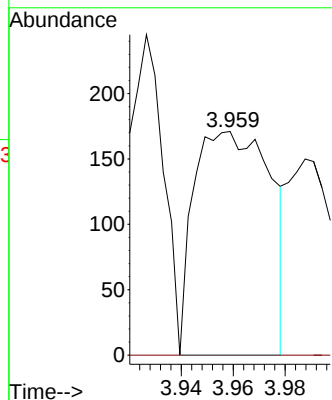
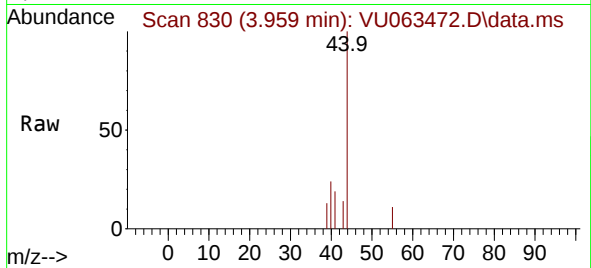




#23
 Vinyl Acetate
 Concen: 0.100 ug/l
 RT: 3.959 min Scan# 81
 Delta R.T. 0.013 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

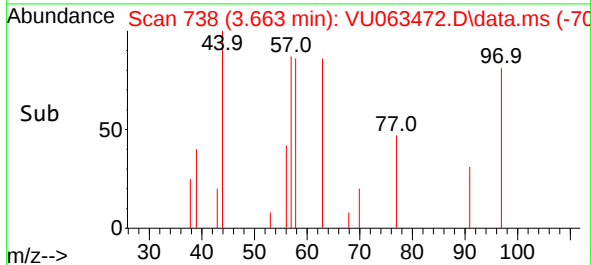
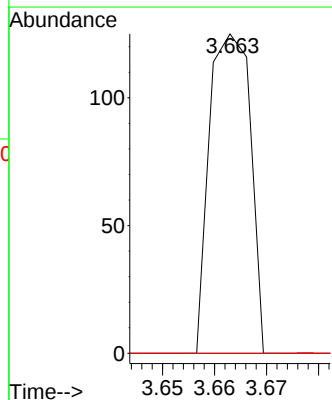
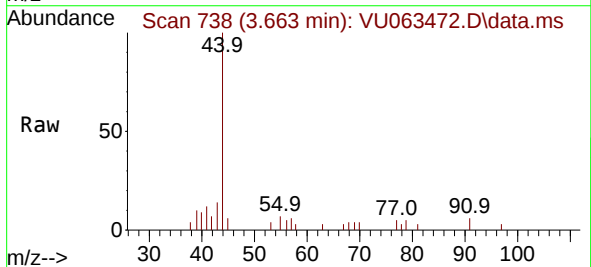
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL04

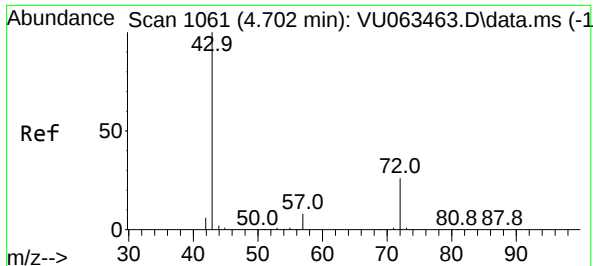
Tgt Ion: 43 Resp: 349
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#24
 1,1-Dichloroethane
 Concen: 0.027 ug/l
 RT: 3.663 min Scan# 738
 Delta R.T. -0.187 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

Tgt Ion: 63 Resp: 68
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.9#
 100 0.0 2.3 6.8#





#25

2-Butanone

Concen: 0.015 ug/l

RT: 4.685 min Scan# 1056

Delta R.T. -0.016 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

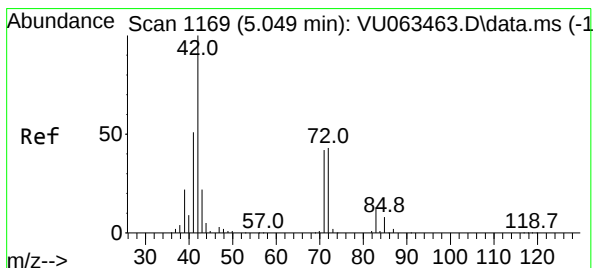
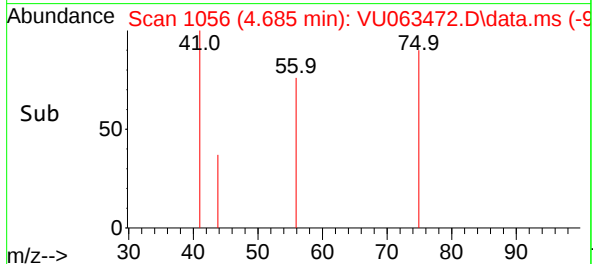
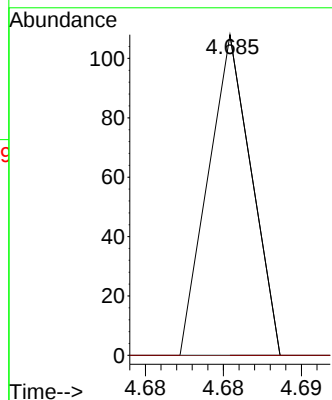
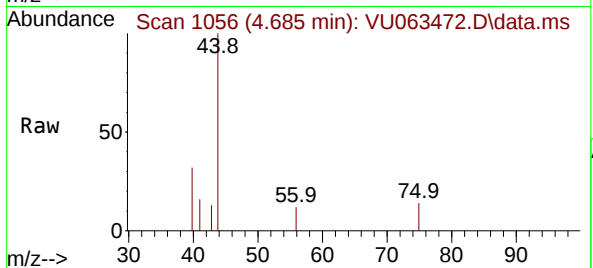
VU0710WBL04

Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#29

Tetrahydrofuran

Concen: 0.046 ug/l

RT: 5.042 min Scan# 1167

Delta R.T. -0.007 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

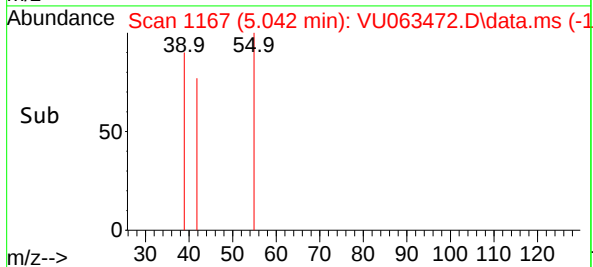
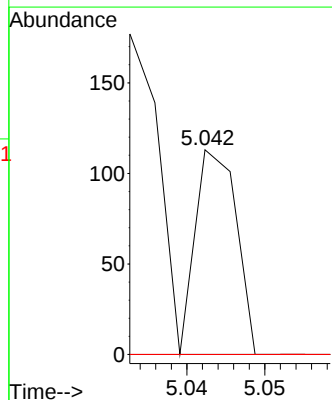
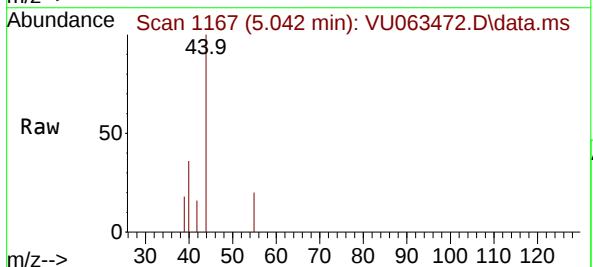
Tgt Ion: 42 Resp: 41

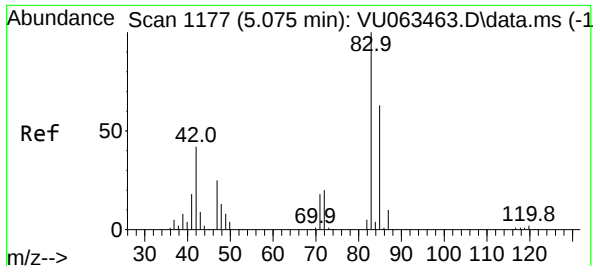
Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

71 0.0 33.3 49.9#





#30

Chloroform

Concen: 0.007 ug/l

RT: 5.219 min Scan# 1177

Delta R.T. 0.145 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

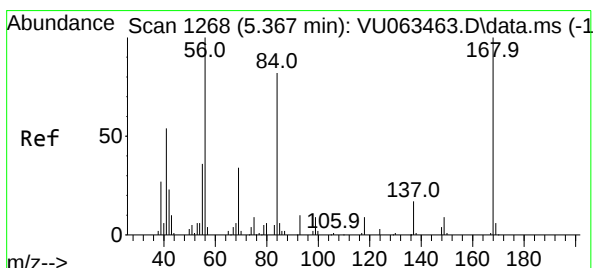
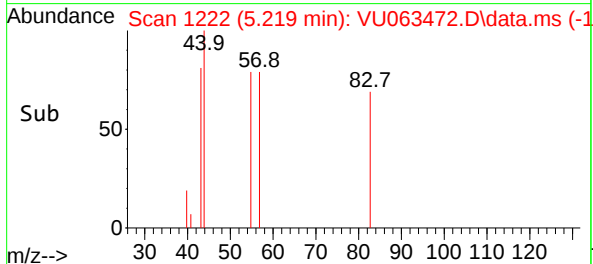
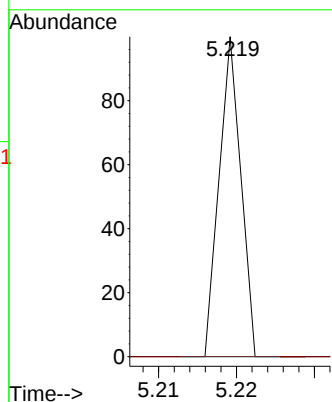
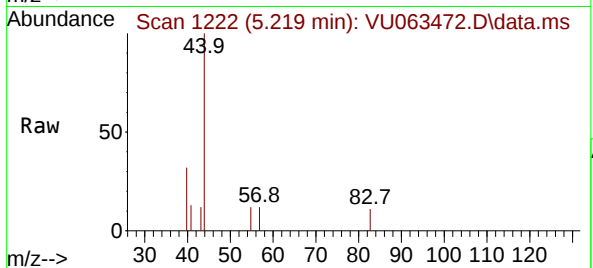
VU0710WBL04

Tgt Ion: 83 Resp: 19

Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#



#31

Cyclohexane

Concen: 1.482 ug/l

RT: 5.357 min Scan# 1265

Delta R.T. -0.010 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

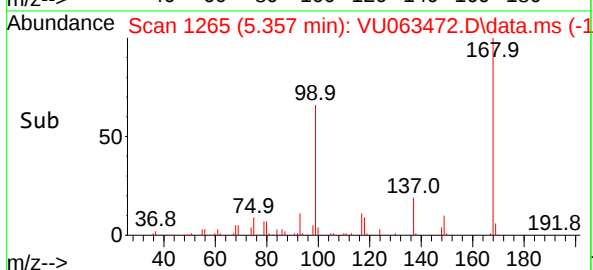
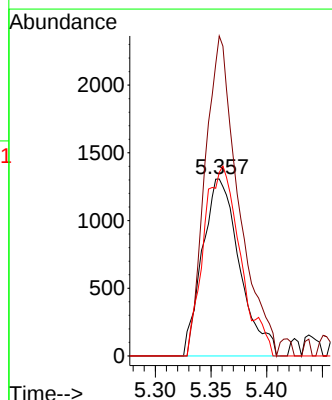
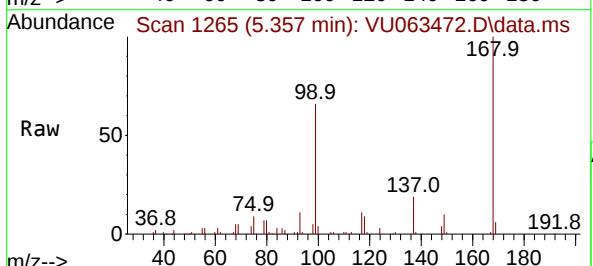
Tgt Ion: 56 Resp: 3046

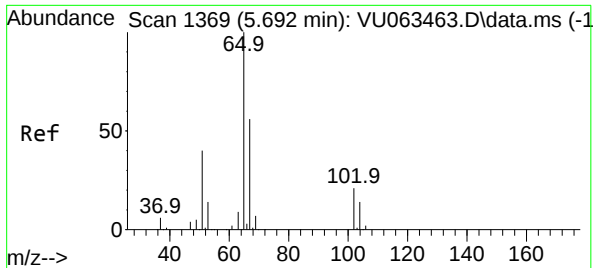
Ion Ratio Lower Upper

56 100

69 180.8 27.0 40.4#

84 103.7 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 51.040 ug/l

RT: 5.692 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

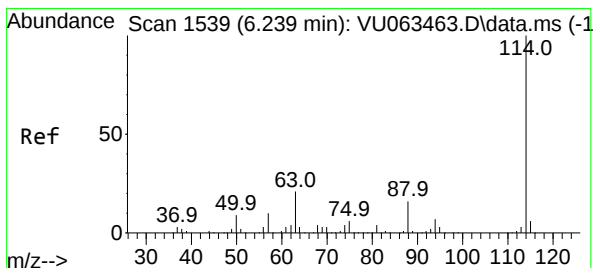
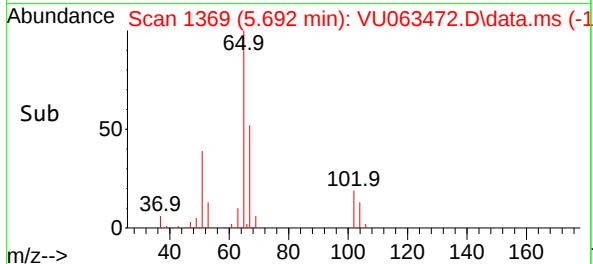
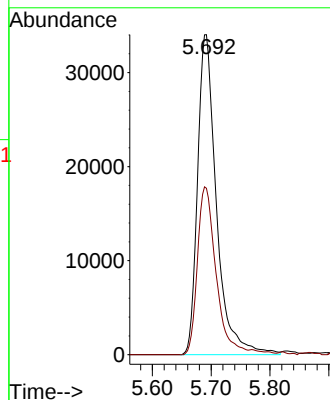
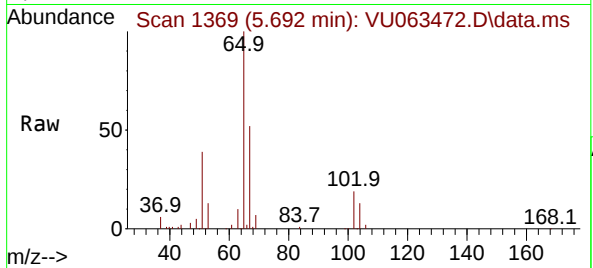
VU0710WBL04

Tgt Ion: 65 Resp: 75847

Ion Ratio Lower Upper

65 100

67 51.5 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: VU063472.D

Acq: 10 Jul 2025 11:27

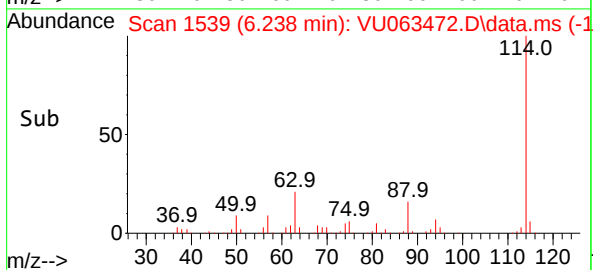
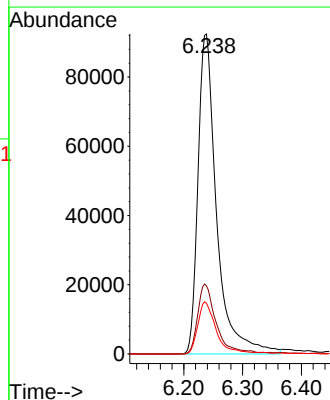
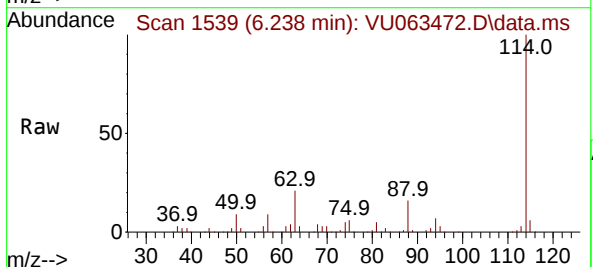
Tgt Ion: 114 Resp: 203764

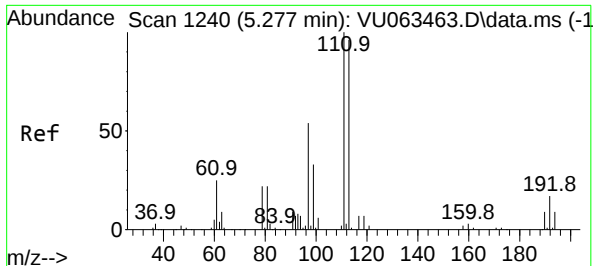
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.042 ug/l

RT: 5.274 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL04

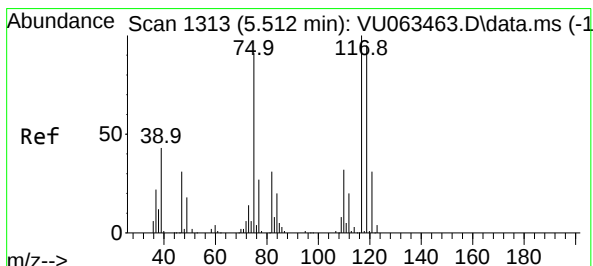
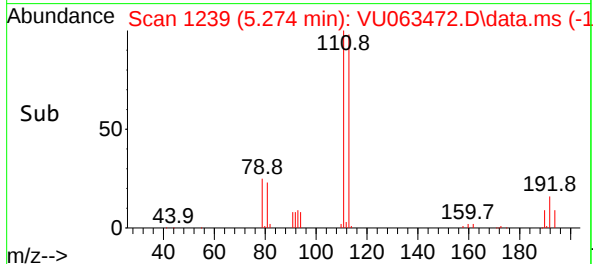
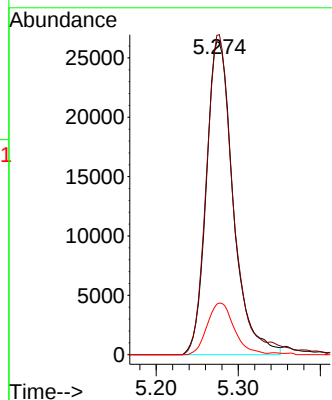
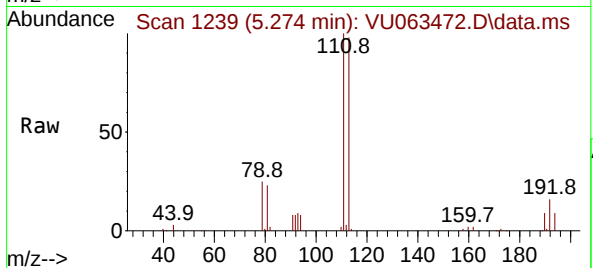
Tgt Ion:113 Resp: 60236

Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

192 16.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 6.241 ug/l

RT: 5.354 min Scan# 1264

Delta R.T. -0.158 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

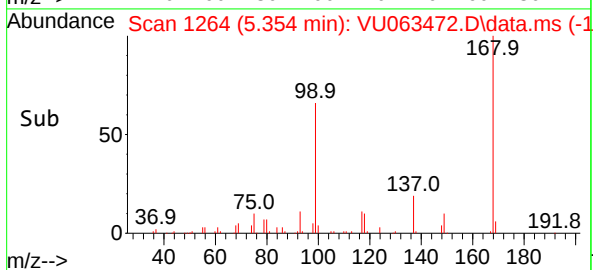
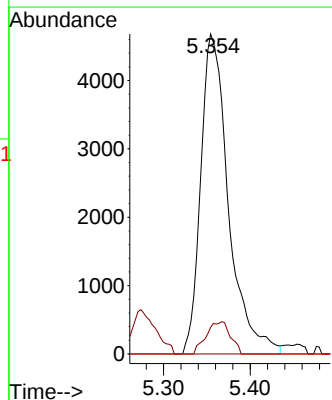
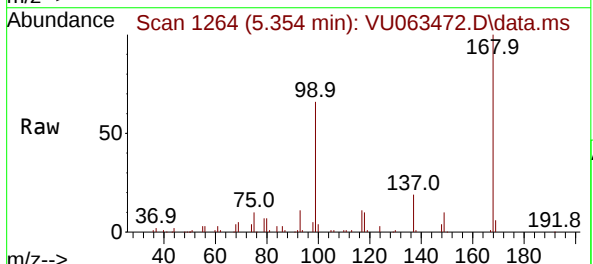
Tgt Ion: 75 Resp: 10416

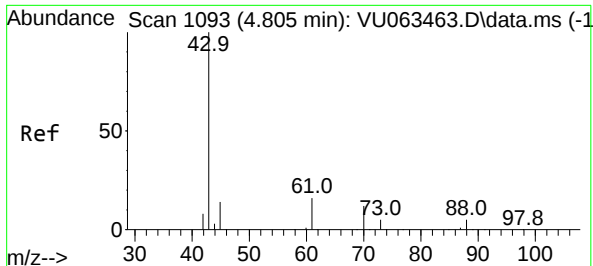
Ion Ratio Lower Upper

75 100

110 8.8 17.3 52.0#

77 0.0 23.9 35.9#





#37

Ethyl Acetate

Concen: 0.068 ug/l

RT: 4.795 min Scan# 1090

Delta R.T. -0.010 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL04

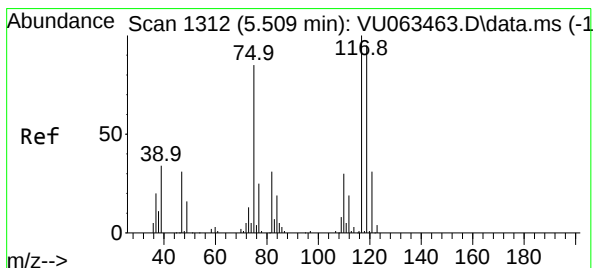
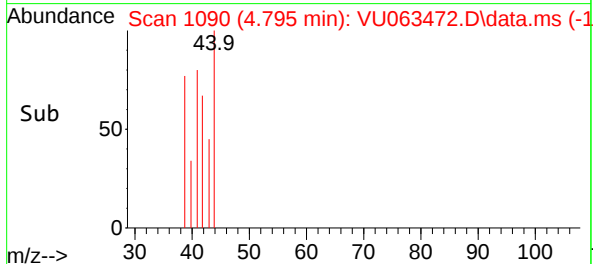
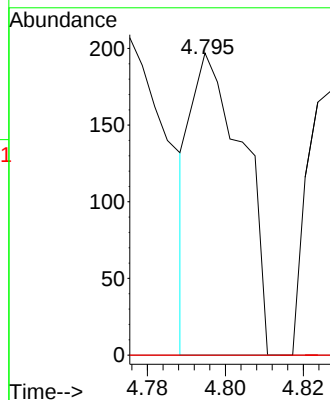
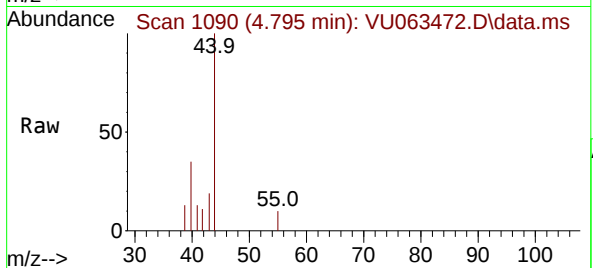
Tgt Ion: 43 Resp: 183

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 6.693 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. -0.148 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

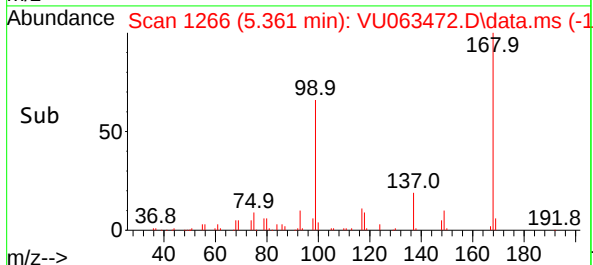
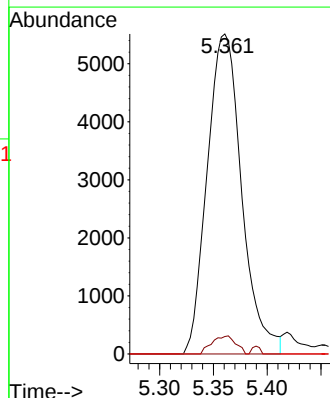
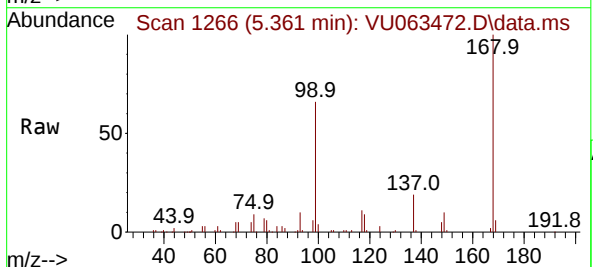
Tgt Ion: 117 Resp: 12307

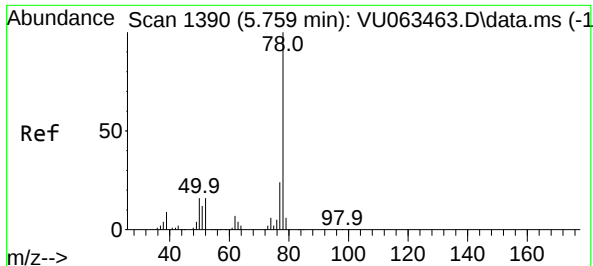
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 25.0 37.4#

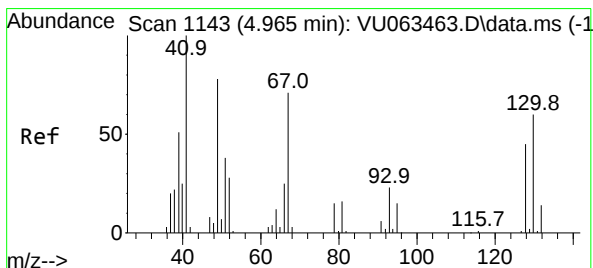
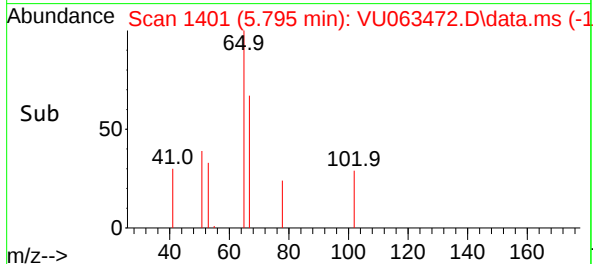
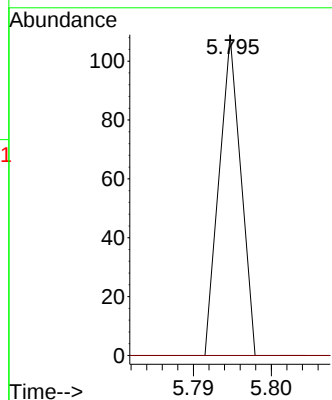
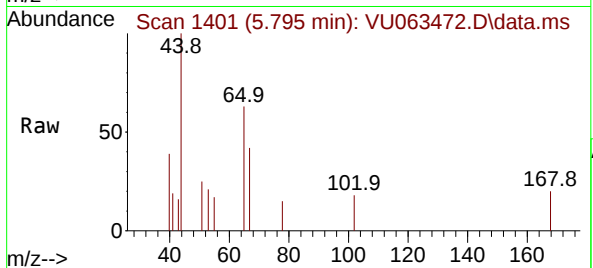




#40
Benzene
Concen: 0.004 ug/l
RT: 5.795 min Scan# 1401
Delta R.T. 0.035 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

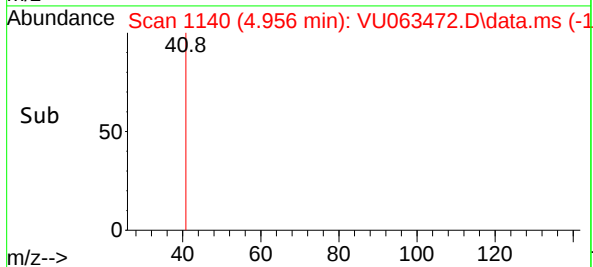
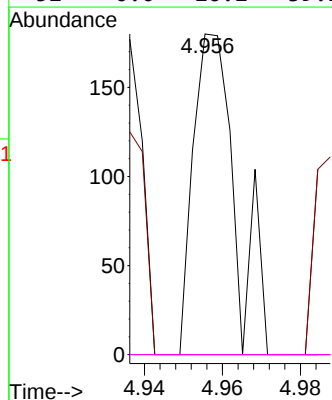
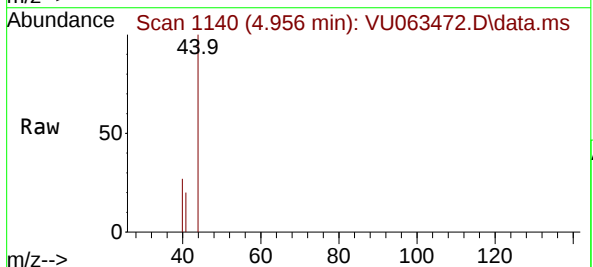
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

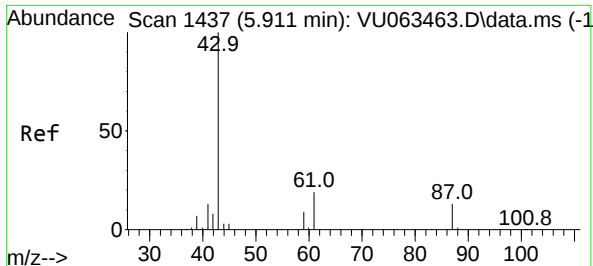
Tgt Ion: 78 Resp: 21
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.4#



#41
Methacrylonitrile
Concen: 0.107 ug/l
RT: 4.956 min Scan# 1140
Delta R.T. -0.010 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 41 Resp: 136
Ion Ratio Lower Upper
41 100
39 0.0 43.6 65.4#
67 0.0 62.8 94.2#
52 0.0 26.2 39.2#





#43

Isopropyl Acetate

Concen: 0.032 ug/l

RT: 5.910 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL04

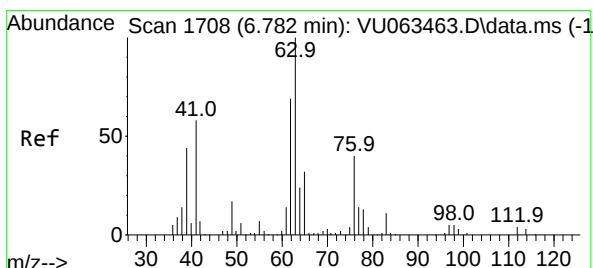
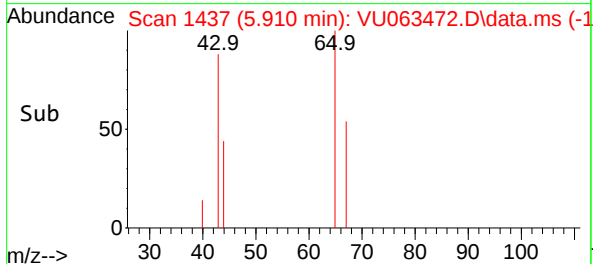
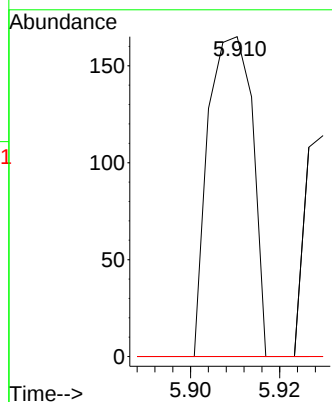
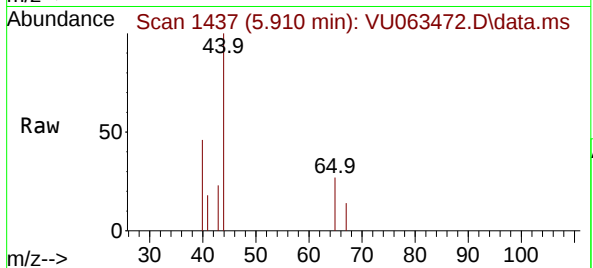
Tgt Ion: 43 Resp: 114

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: 0.014 ug/l

RT: 6.499 min Scan# 1620

Delta R.T. -0.283 min

Lab File: VU063472.D

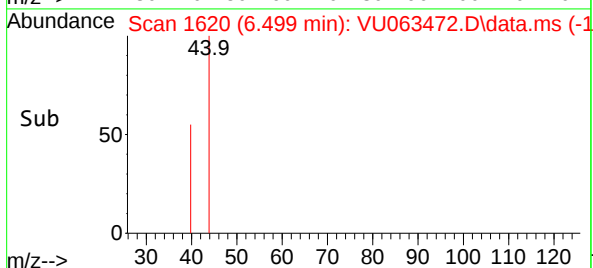
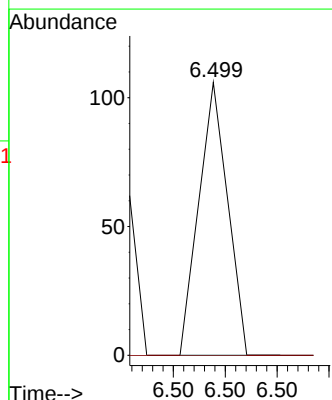
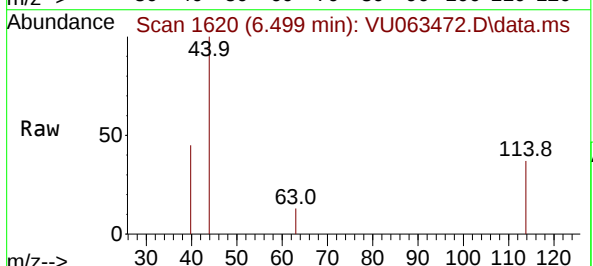
Acq: 10 Jul 2025 11:27

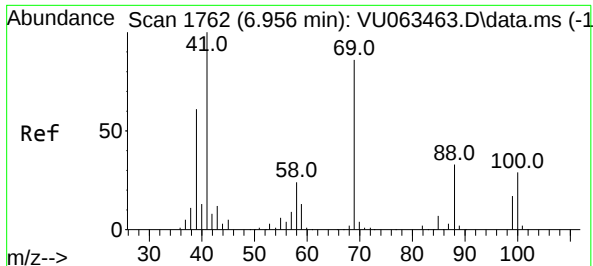
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

65 0.0 25.3 37.9#





#48

Methyl methacrylate

Concen: 0.109 ug/l

RT: 6.923 min Scan# 1

Delta R.T. -0.032 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL04

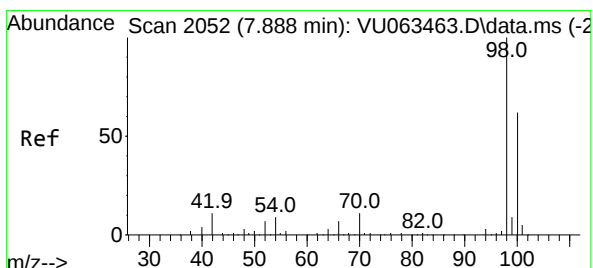
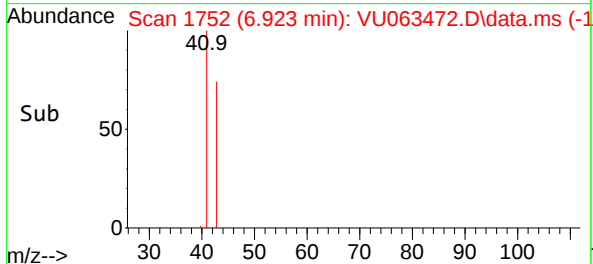
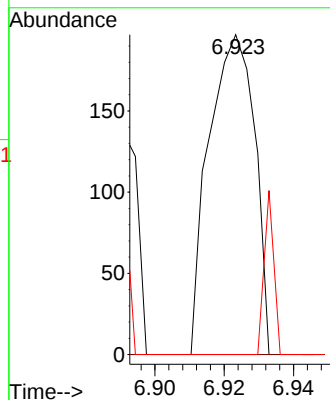
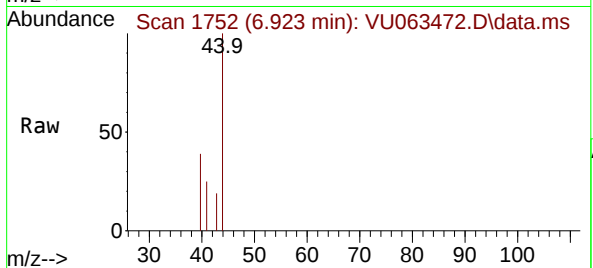
Tgt Ion: 41 Resp: 181

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.8#

39 10.5 48.3 72.5#



#50

Toluene-d8

Concen: 47.976 ug/l

RT: 7.888 min Scan# 2052

Delta R.T. -0.000 min

Lab File: VU063472.D

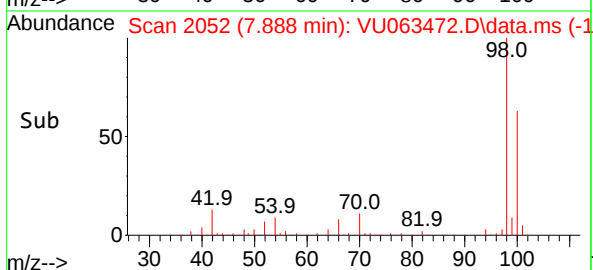
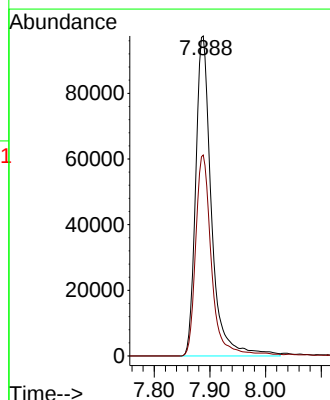
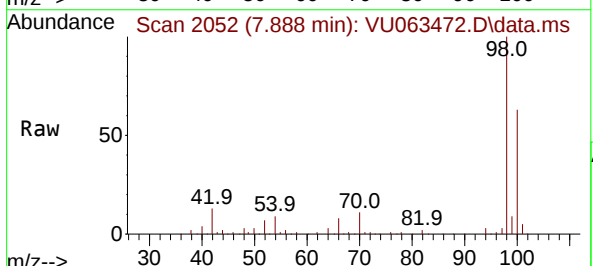
Acq: 10 Jul 2025 11:27

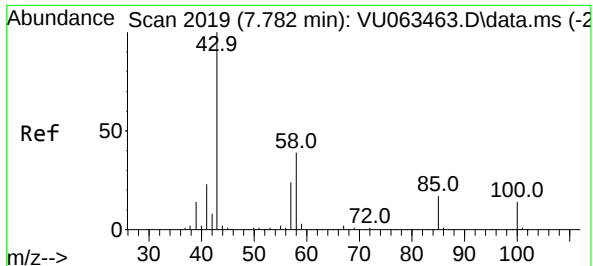
Tgt Ion: 98 Resp: 192081

Ion Ratio Lower Upper

98 100

100 62.5 48.1 72.1





#51

4-Methyl-2-Pentanone

Concen: 0.024 ug/l

RT: 7.772 min Scan# 2019

Delta R.T. -0.010 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

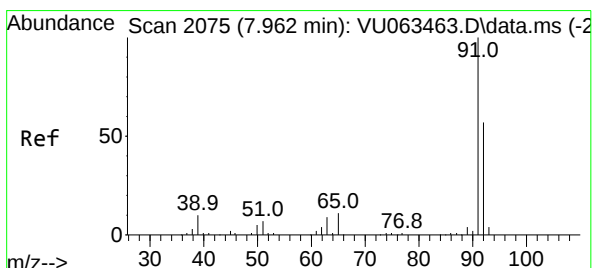
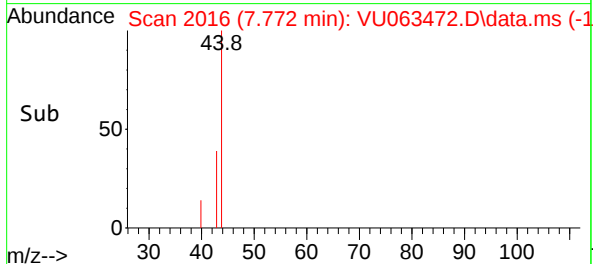
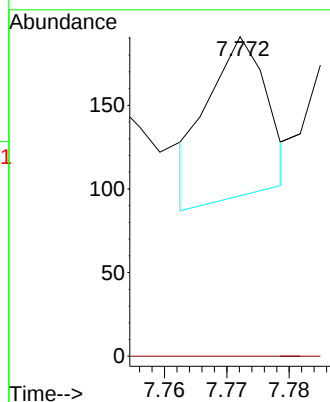
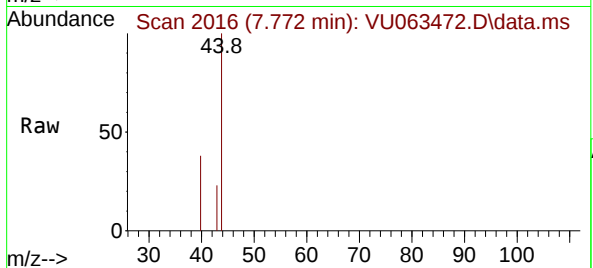
VU0710WBL04

Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.4#



#52

Toluene

Concen: 0.006 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.006 min

Lab File: VU063472.D

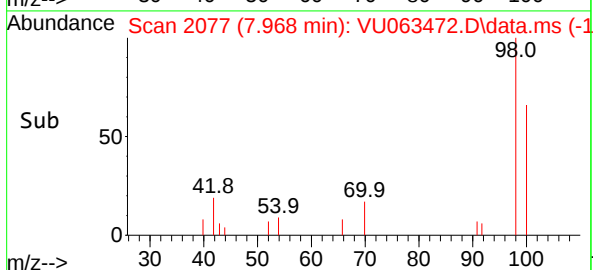
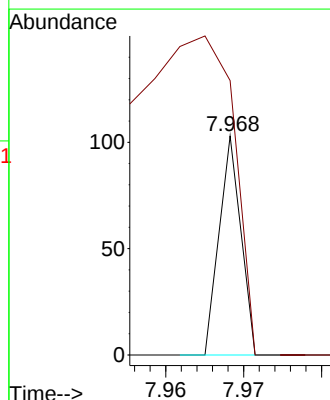
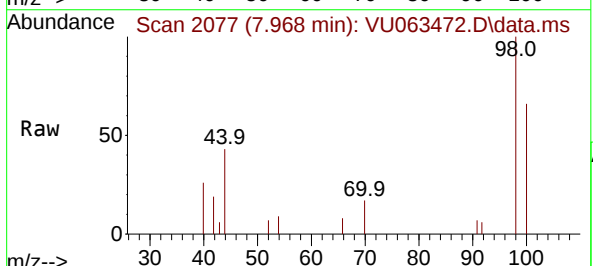
Acq: 10 Jul 2025 11:27

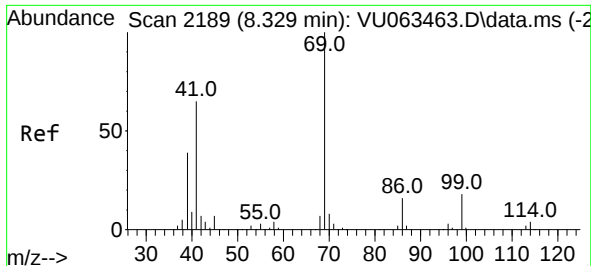
Tgt Ion: 92 Resp: 20

Ion Ratio Lower Upper

92 100

91 990.0 144.5 216.7#

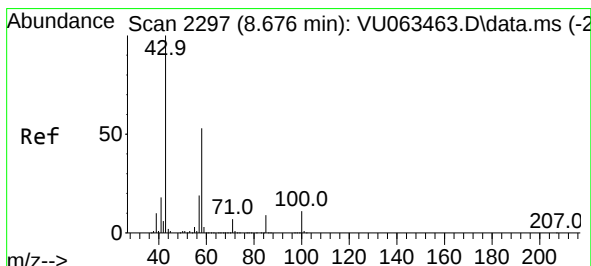
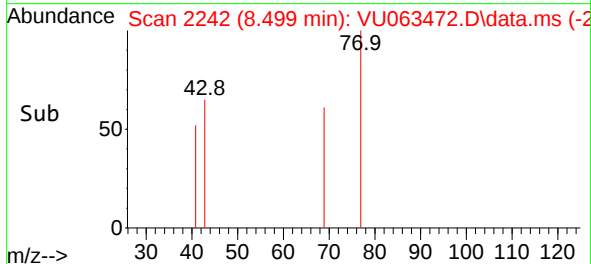
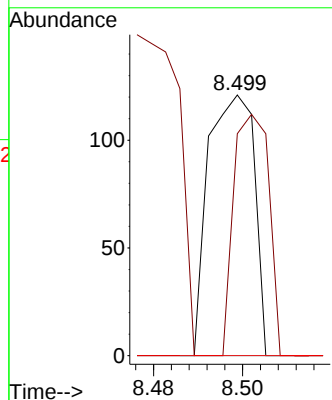
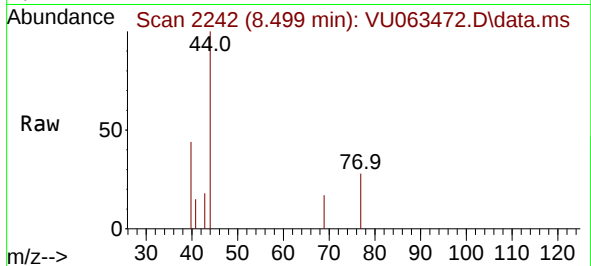




#56
Ethyl methacrylate
Concen: 0.037 ug/l
RT: 8.499 min Scan# 2189
Delta R.T. 0.170 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

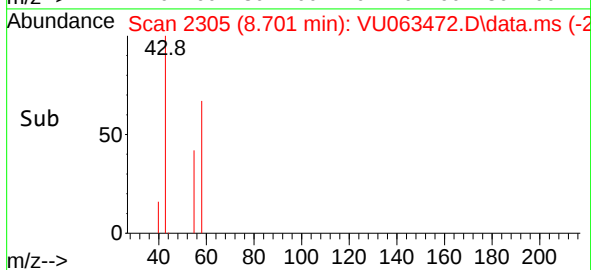
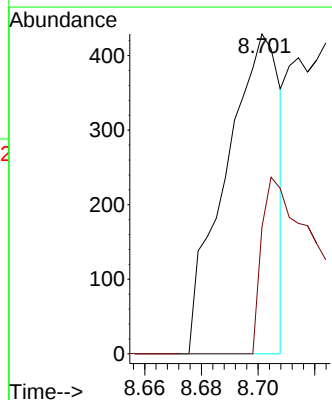
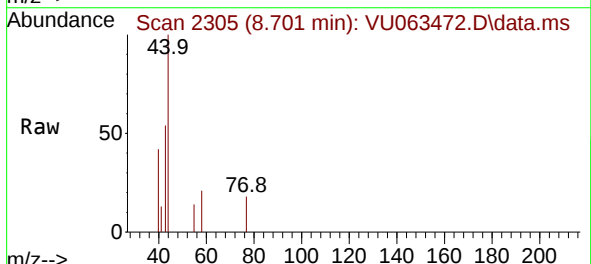
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

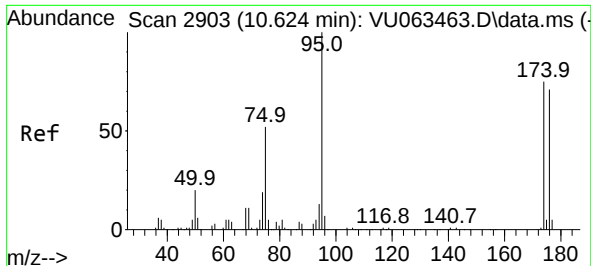
Tgt Ion: 69 Resp: 86
Ion Ratio Lower Upper
69 100
41 70.9 53.0 79.6
39 0.0 31.0 46.4#



#59
2-Hexanone
Concen: 0.290 ug/l
RT: 8.701 min Scan# 2305
Delta R.T. 0.026 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
58 55.9 26.9 80.7

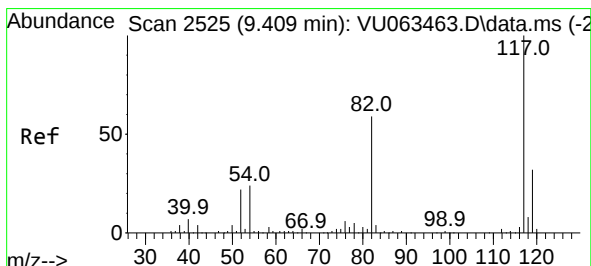
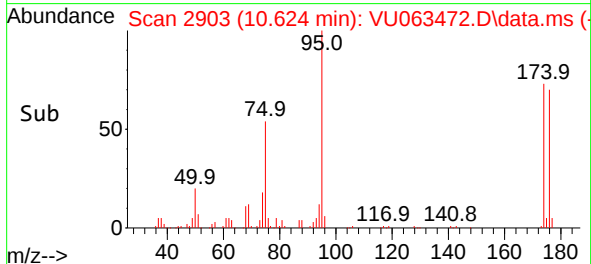
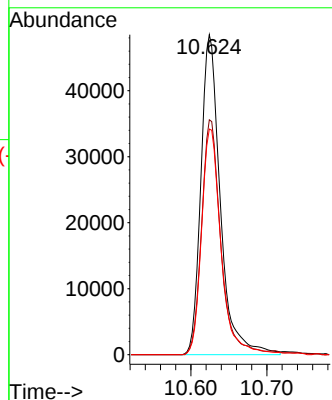
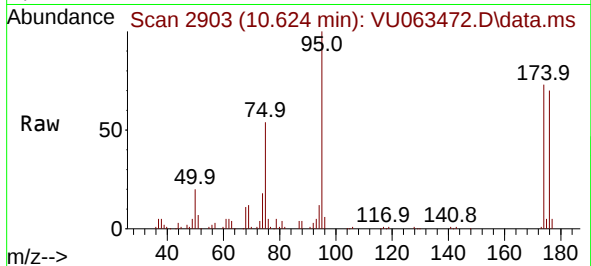




#62
4-Bromofluorobenzene
Concen: 49.093 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

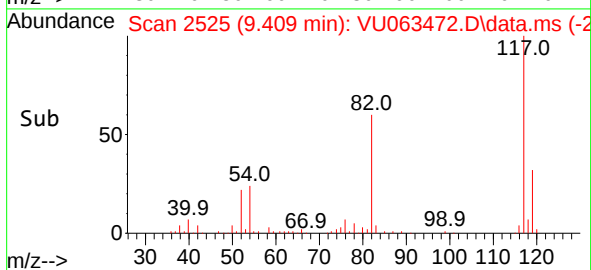
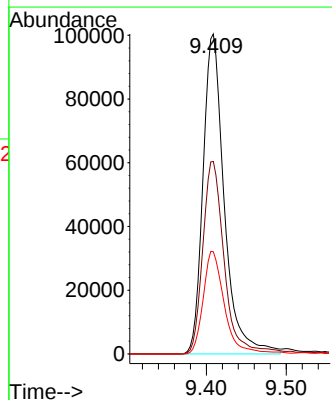
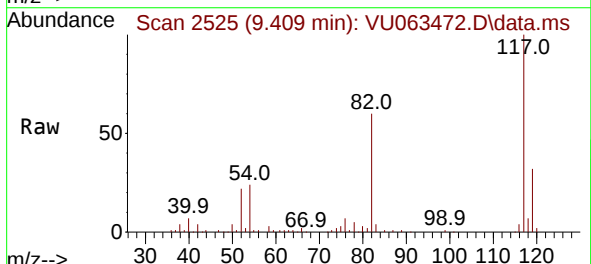
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

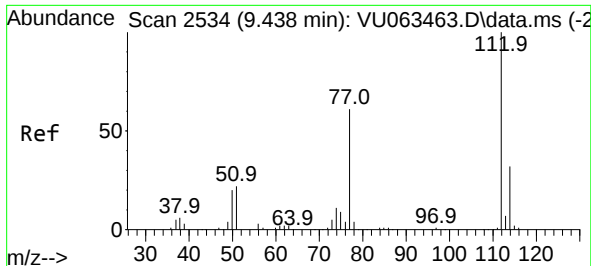
Tgt Ion: 95 Resp: 85975
Ion Ratio Lower Upper
95 100
174 72.4 0.0 153.6
176 71.1 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.409 min Scan# 2525
Delta R.T. -0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 117 Resp: 185746
Ion Ratio Lower Upper
117 100
82 60.2 47.1 70.7
119 31.9 25.4 38.0

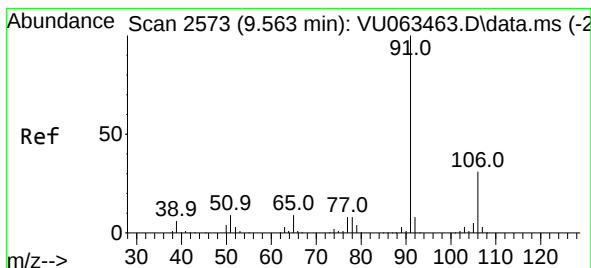
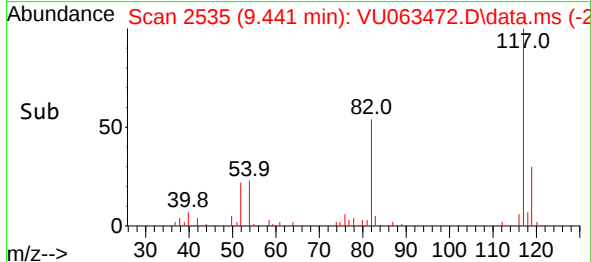
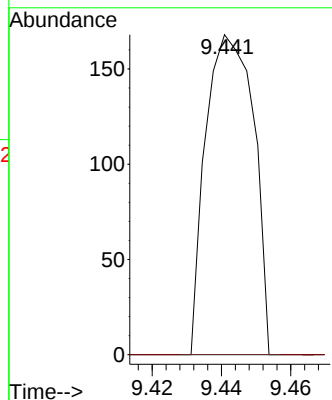
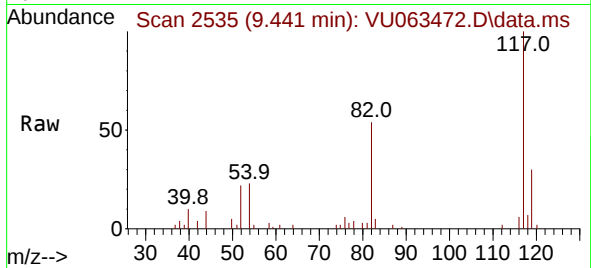




#65
Chlorobenzene
Concen: 0.042 ug/l
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

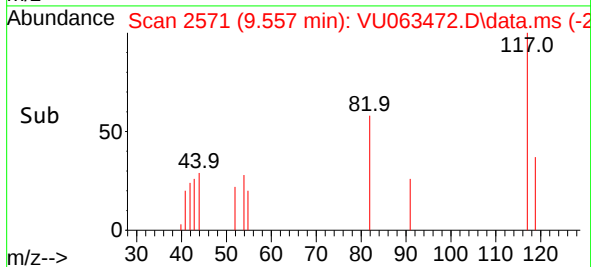
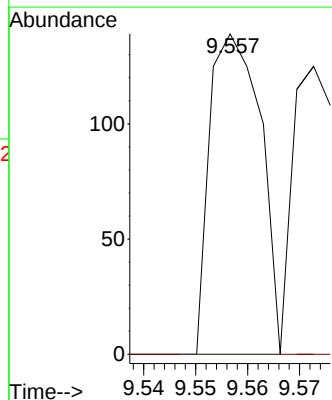
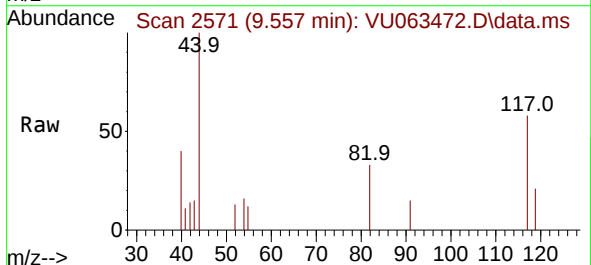
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

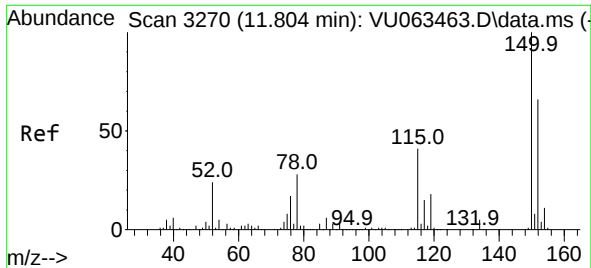
Tgt Ion:112 Resp: 161
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



#67
Ethyl Benzene
Concen: 0.014 ug/l
RT: 9.557 min Scan# 2571
Delta R.T. -0.007 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 91 Resp: 94
Ion Ratio Lower Upper
91 100
106 0.0 24.5 36.7#

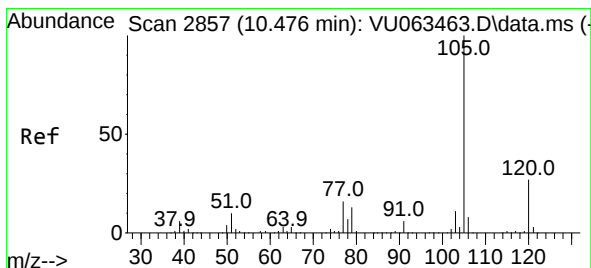
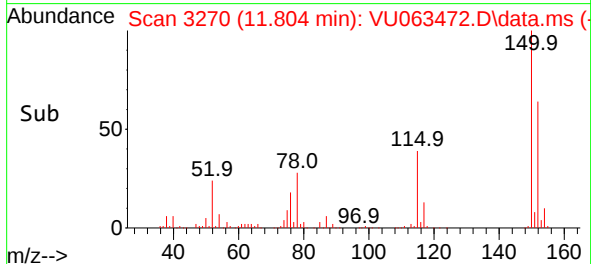
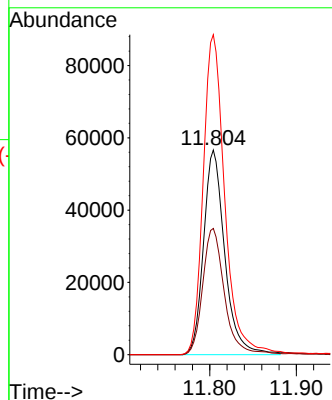
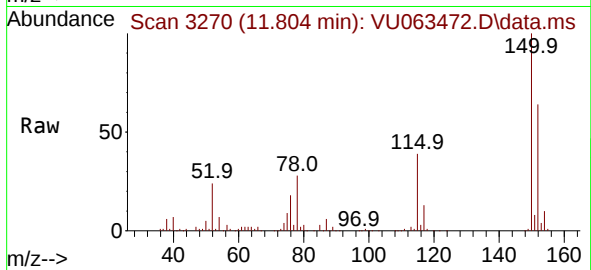




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.804 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

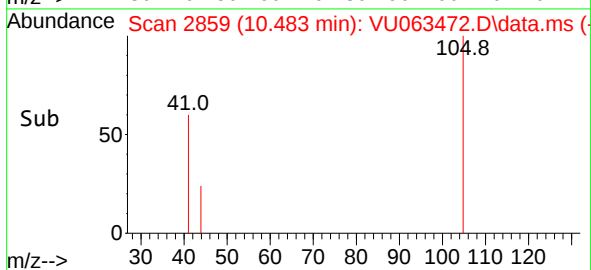
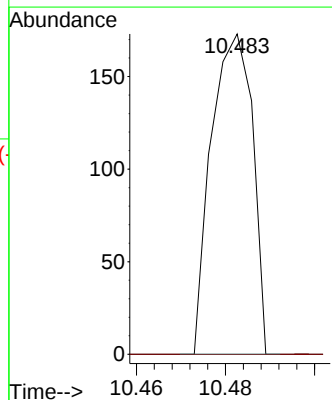
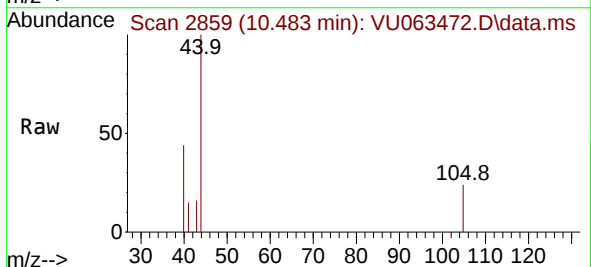
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

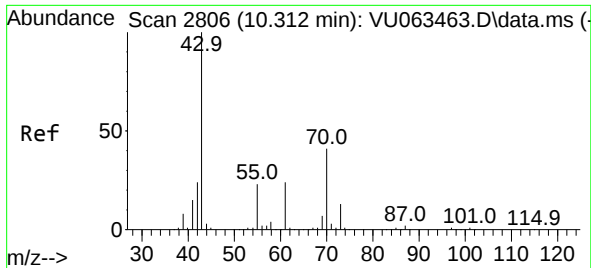
Tgt Ion:152 Resp: 96537
Ion Ratio Lower Upper
152 100
115 63.0 43.4 130.2
150 158.8 0.0 341.4



#73
Isopropylbenzene
Concen: 0.017 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. 0.006 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion:105 Resp: 111
Ion Ratio Lower Upper
105 100
120 0.0 13.1 39.1#

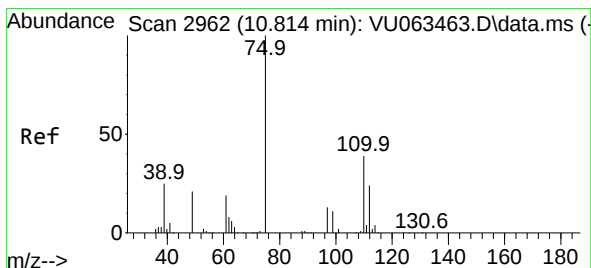
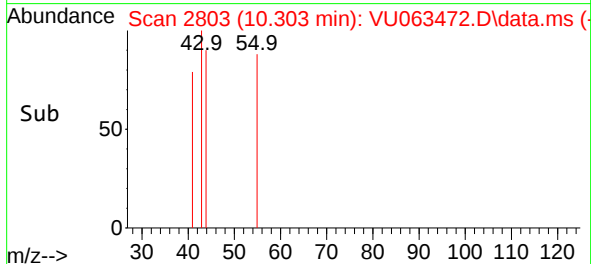
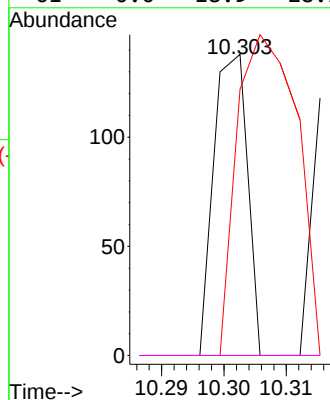
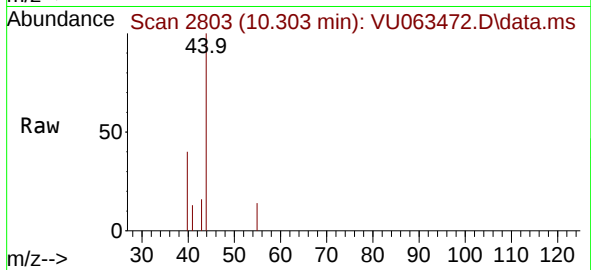




#74
N-ethyl acetate
Concen: 0.018 ug/l
RT: 10.303 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

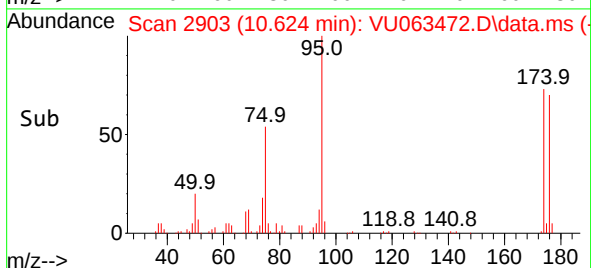
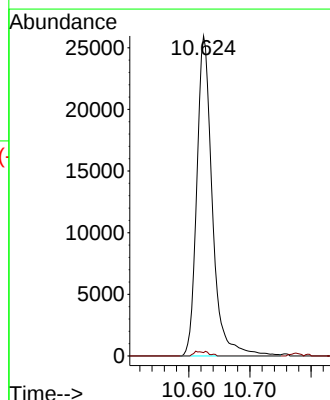
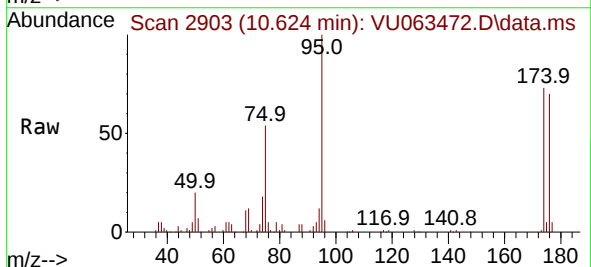
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

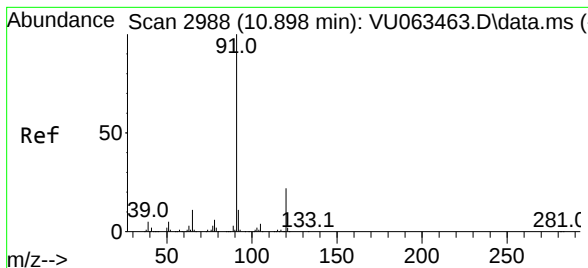
Tgt Ion: 43	Resp: 52
Ion Ratio	Lower Upper
43	100
70	0.0 32.6 48.8#
55	190.4 18.6 27.8#
61	0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 17.904 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.190 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 75	Resp: 45799
Ion Ratio	Lower Upper
75	100
77	0.8 3.1 9.4#





#78

n-propylbenzene

Concen: 0.029 ug/l

RT: 10.901 min Scan# 2989

Delta R.T. 0.003 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

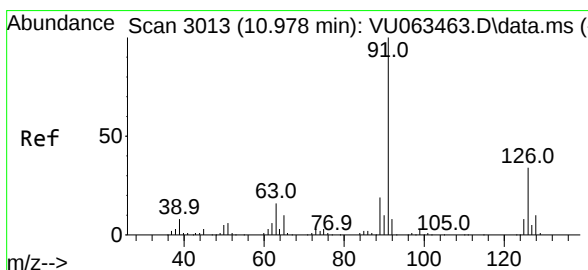
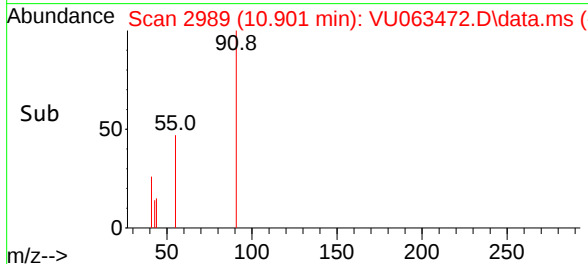
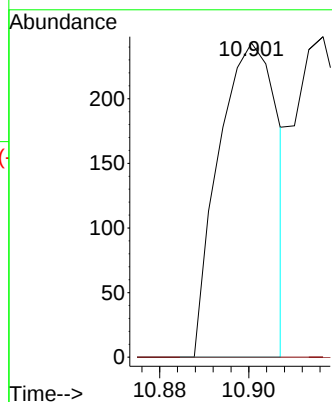
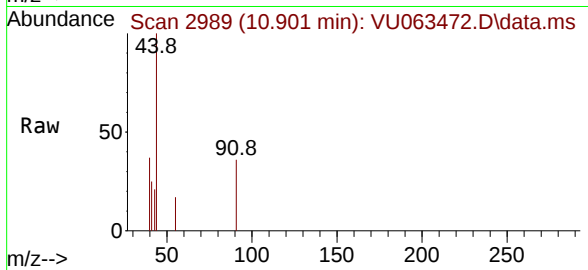
VU0710WBL04

Tgt Ion: 91 Resp: 224

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.4#



#79

2-Chlorotoluene

Concen: 0.025 ug/l

RT: 10.991 min Scan# 3017

Delta R.T. 0.013 min

Lab File: VU063472.D

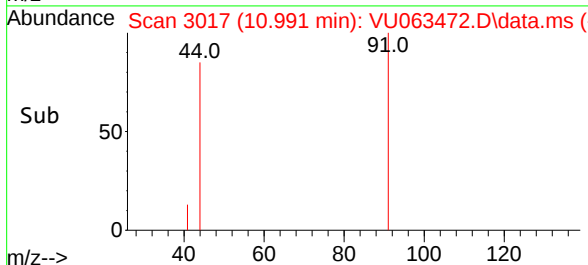
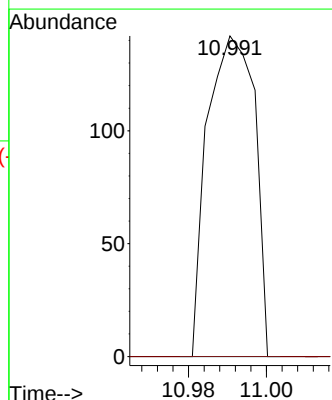
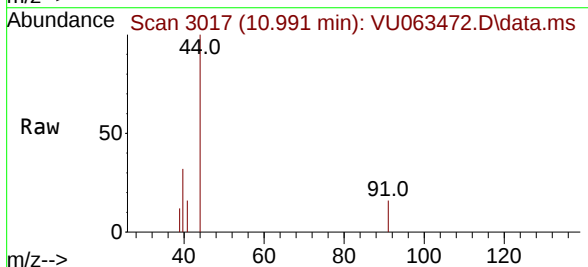
Acq: 10 Jul 2025 11:27

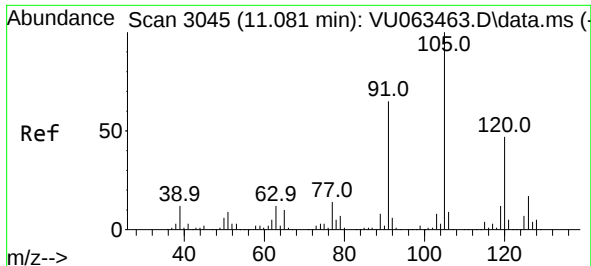
Tgt Ion: 91 Resp: 120

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.7#

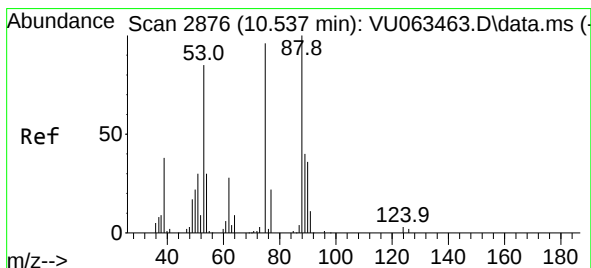
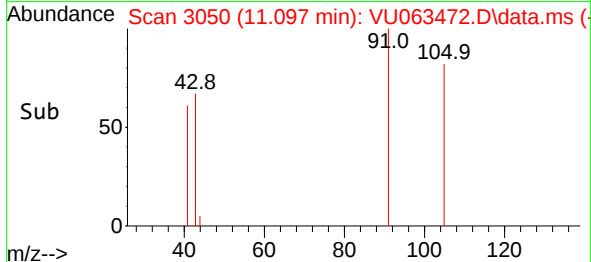
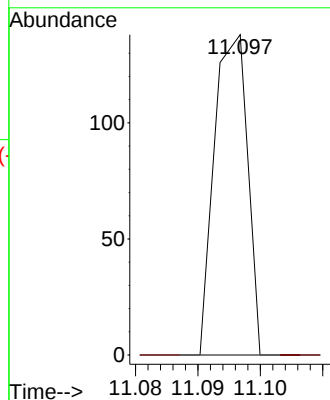
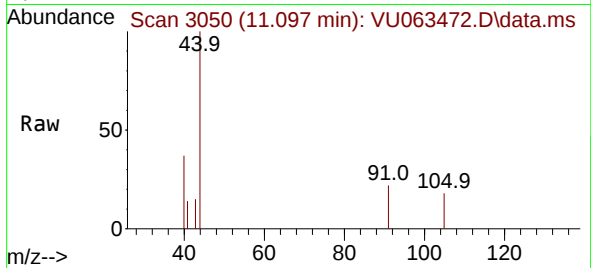




#80
 1,3,5-Trimethylbenzene
 Concen: 0.009 ug/l
 RT: 11.097 min Scan# 3045
 Delta R.T. 0.016 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

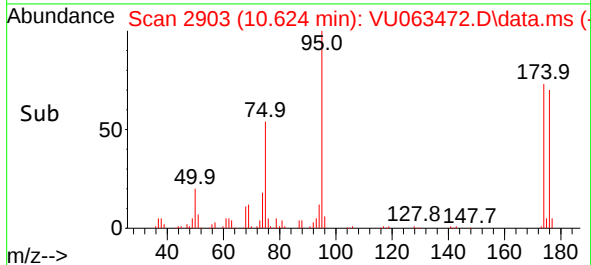
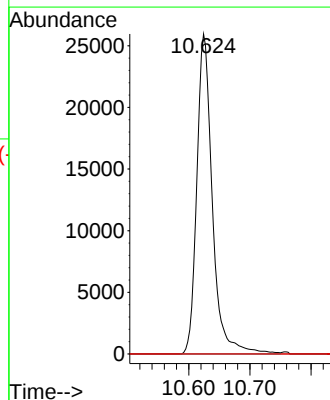
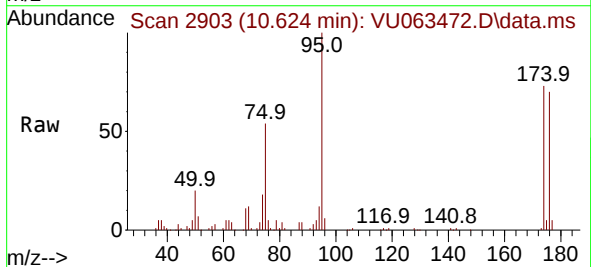
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL04

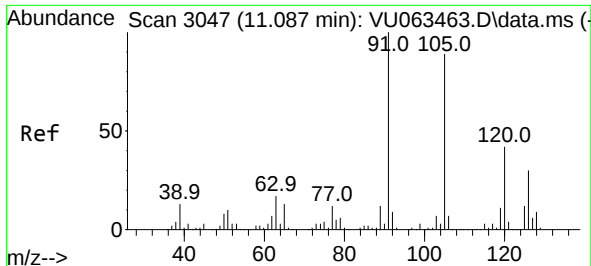
Tgt Ion:105 Resp: 51
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.4 70.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.295 ug/l
 RT: 10.624 min Scan# 2903
 Delta R.T. 0.087 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

Tgt Ion: 75 Resp: 45799
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 36.3 54.5#

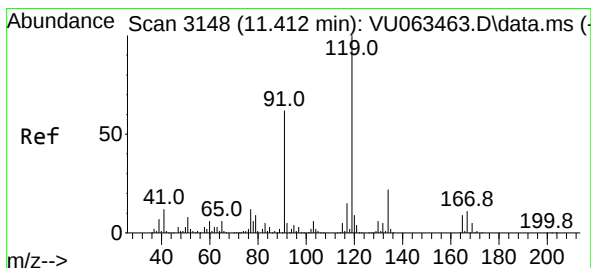
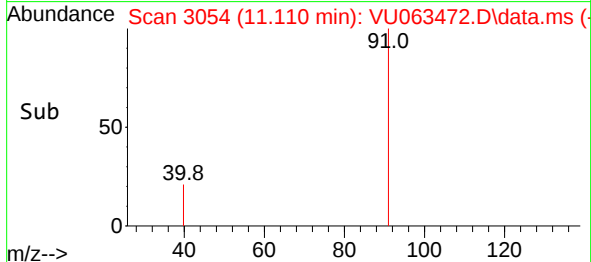
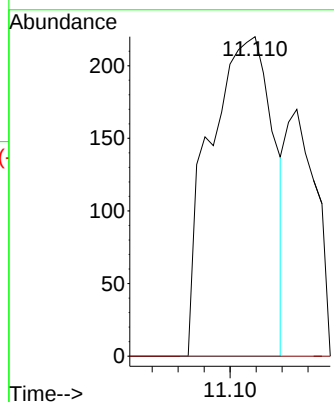
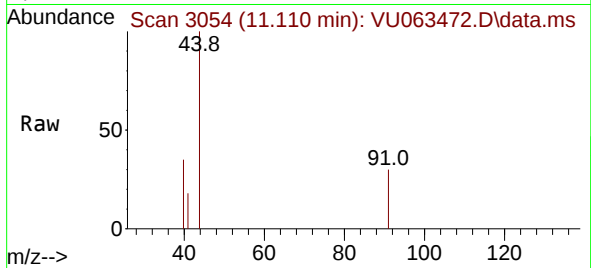




#82
4-Chlorotoluene
Concen: 0.069 ug/l
RT: 11.110 min Scan# 3047
Delta R.T. 0.022 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

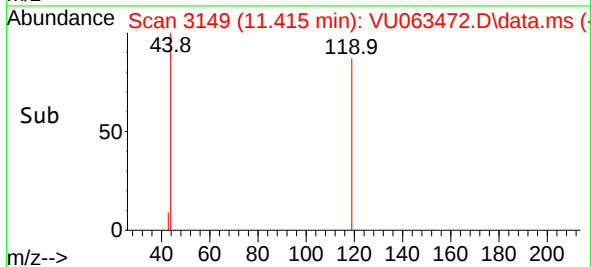
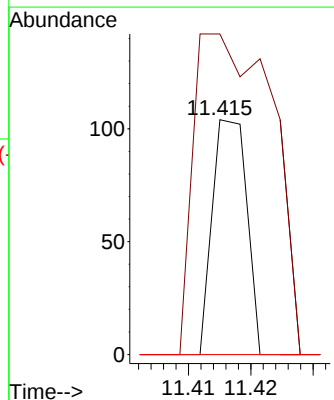
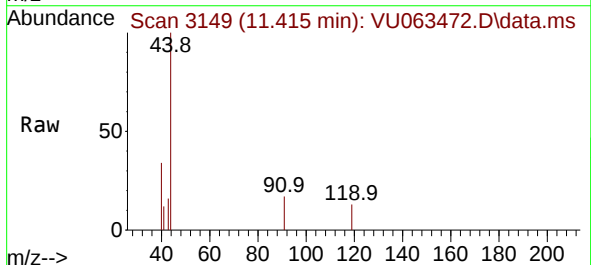
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

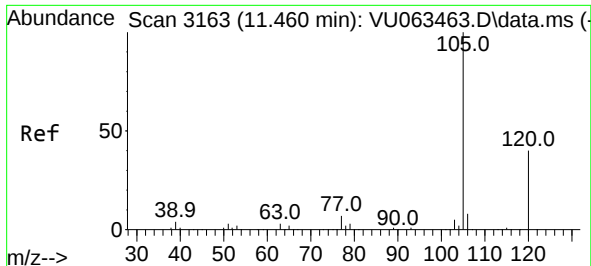
Tgt Ion: 91 Resp: 373
Ion Ratio Lower Upper
91 100
126 0.0 14.4 43.2#



#83
tert-Butylbenzene
Concen: 0.007 ug/l
RT: 11.415 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 119 Resp: 40
Ion Ratio Lower Upper
119 100
91 310.0 30.3 91.0#
134 0.0 11.2 33.6#

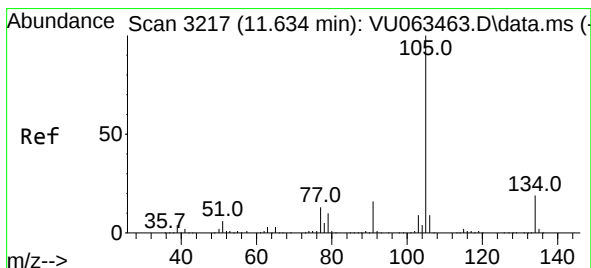
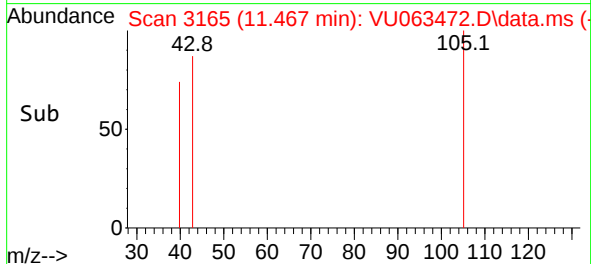
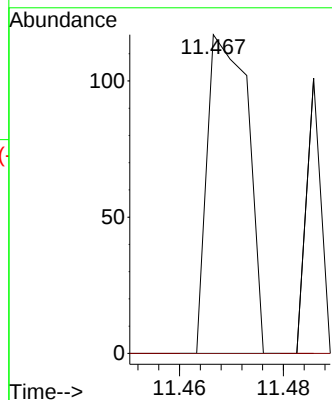
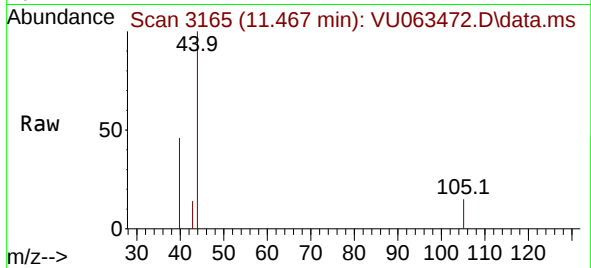




#84
1,2,4-Trimethylbenzene
Concen: 0.011 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.006 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

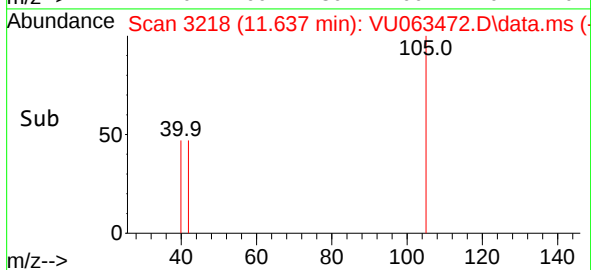
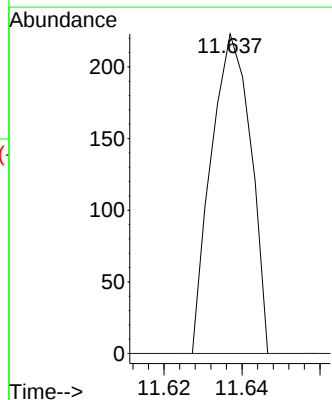
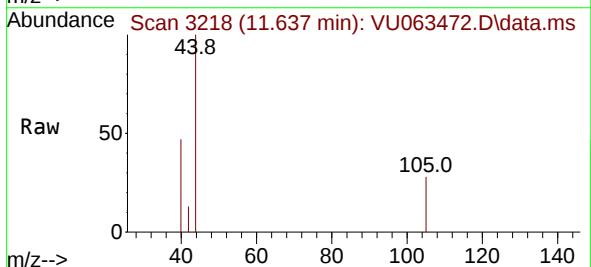
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

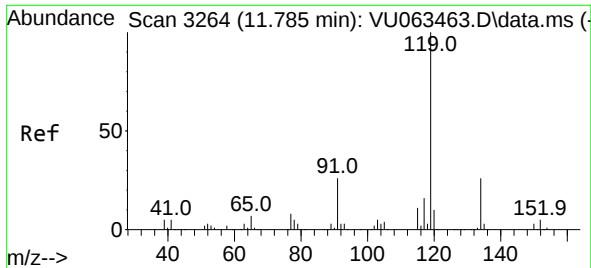
Tgt Ion:105 Resp: 63
Ion Ratio Lower Upper
105 100
120 0.0 22.1 66.3#



#85
sec-Butylbenzene
Concen: 0.022 ug/l
RT: 11.637 min Scan# 3218
Delta R.T. 0.003 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion:105 Resp: 157
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

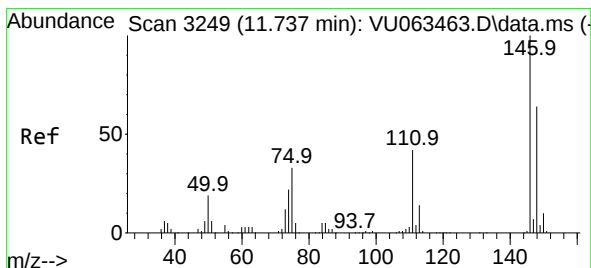
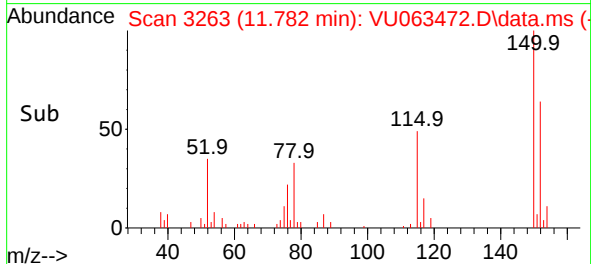
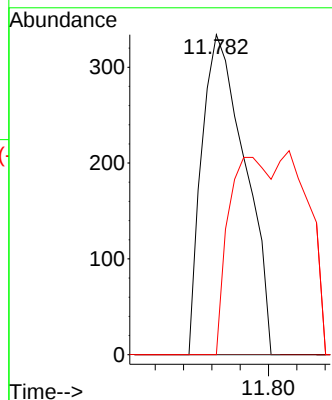
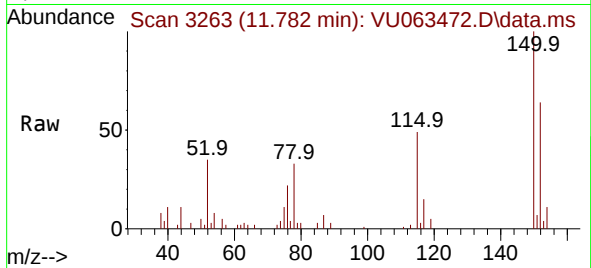




#86
 p-Isopropyltoluene
 Concen: 0.060 ug/l
 RT: 11.782 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

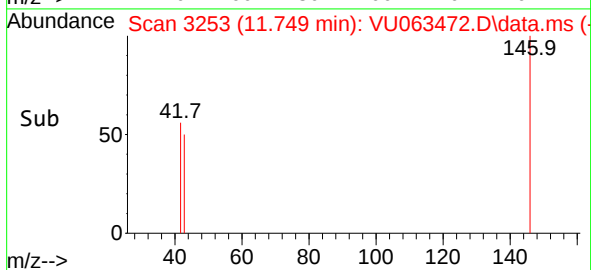
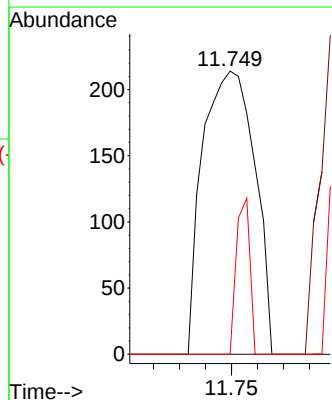
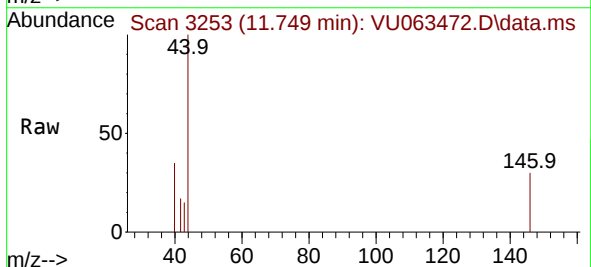
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL04

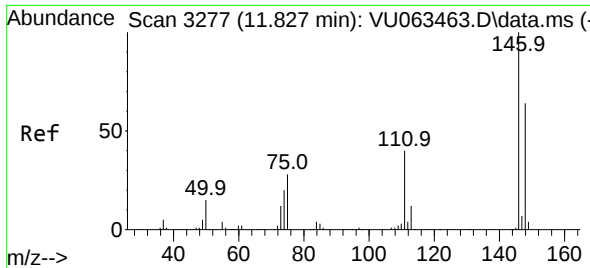
Tgt Ion:119 Resp: 353
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 38.9#
 91 60.3 13.0 38.9#



#87
 1,3-Dichlorobenzene
 Concen: 0.096 ug/l
 RT: 11.749 min Scan# 3253
 Delta R.T. 0.013 min
 Lab File: VU063472.D
 Acq: 10 Jul 2025 11:27

Tgt Ion:146 Resp: 297
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.9 62.7#
 148 14.5 31.9 95.9#

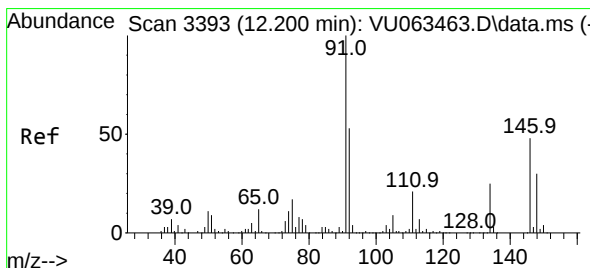
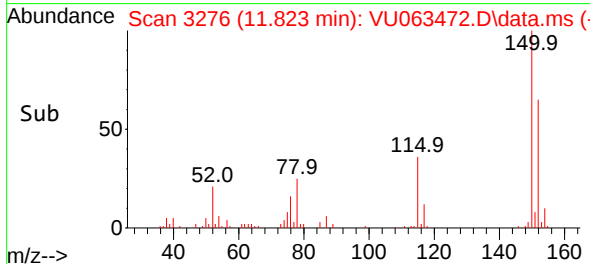
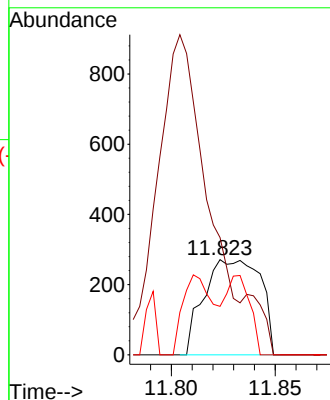
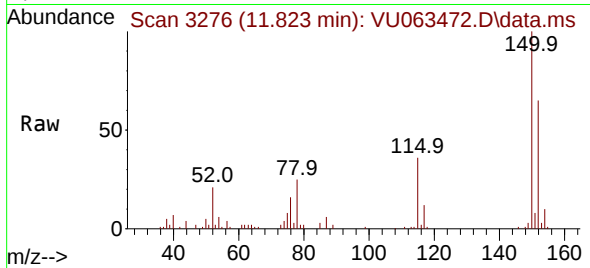




#88
1,4-Dichlorobenzene
Concen: 0.162 ug/l
RT: 11.823 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

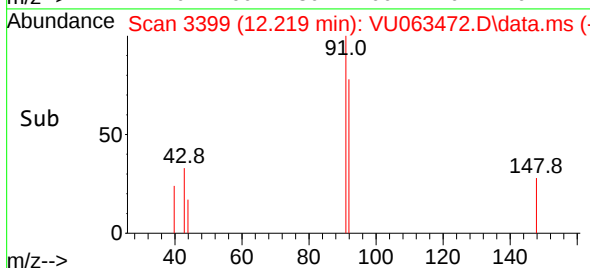
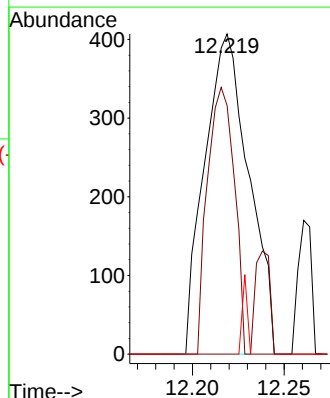
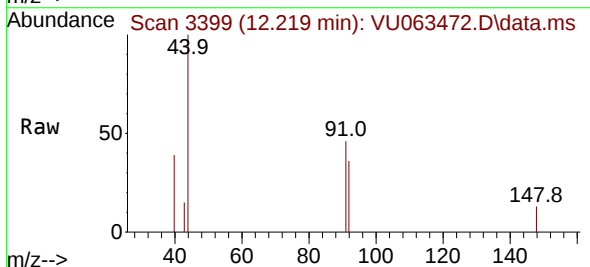
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

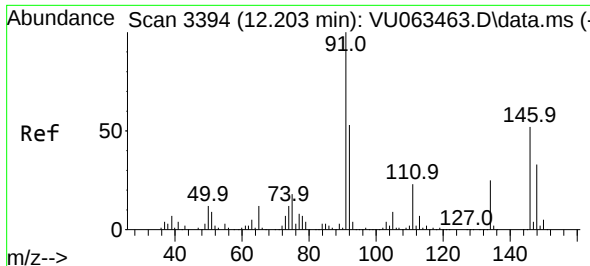
Tgt Ion:146 Resp: 511
Ion Ratio Lower Upper
146 100
111 0.0 20.8 62.4#
148 34.4 31.9 95.9



#89
n-Butylbenzene
Concen: 0.125 ug/l
RT: 12.219 min Scan# 3399
Delta R.T. 0.019 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion: 91 Resp: 682
Ion Ratio Lower Upper
91 100
92 50.4 26.4 79.2
134 0.0 12.4 37.0#





#91

1,2-Dichlorobenzene

Concen: 0.032 ug/l

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL04

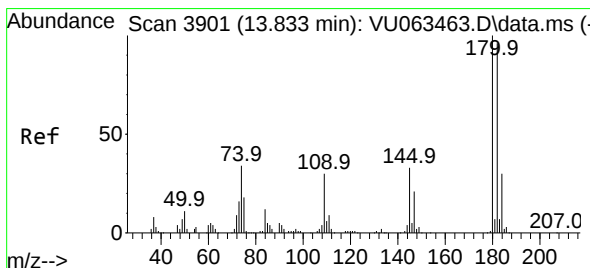
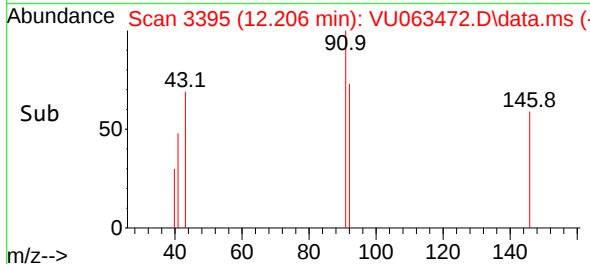
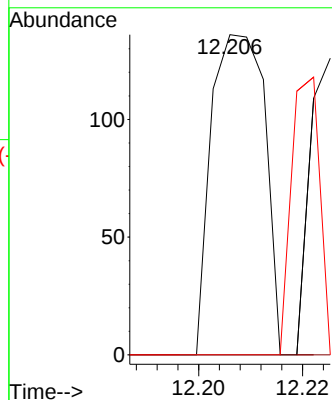
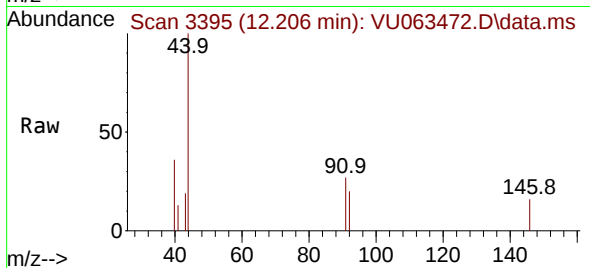
Tgt Ion:146 Resp: 97

Ion Ratio Lower Upper

146 100

111 0.0 21.9 65.5#

148 0.0 31.6 95.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.276 ug/l

RT: 13.855 min Scan# 3908

Delta R.T. 0.022 min

Lab File: VU063472.D

Acq: 10 Jul 2025 11:27

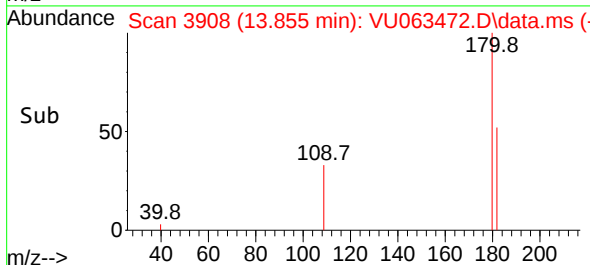
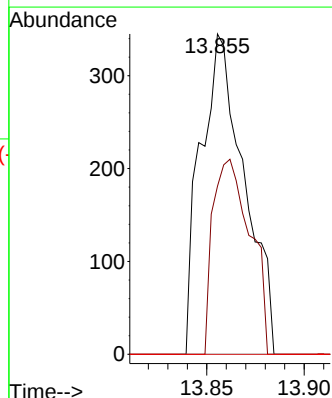
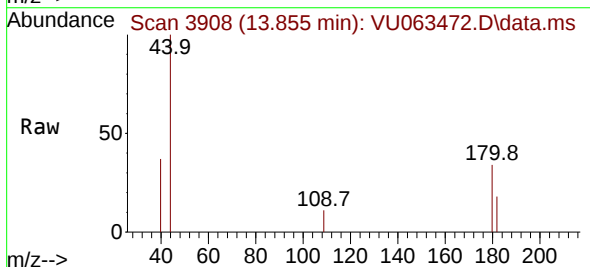
Tgt Ion:180 Resp: 535

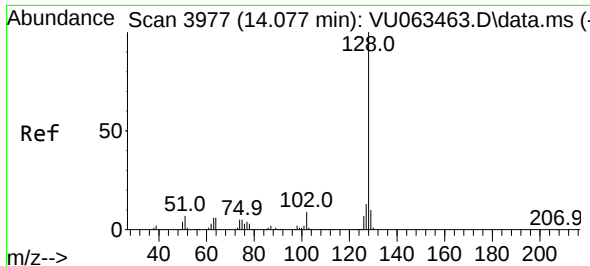
Ion Ratio Lower Upper

180 100

182 52.3 47.7 143.1

145 0.0 16.6 49.7#

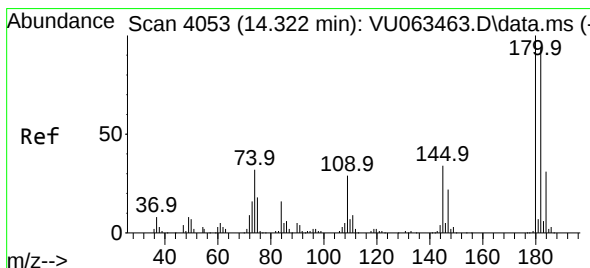
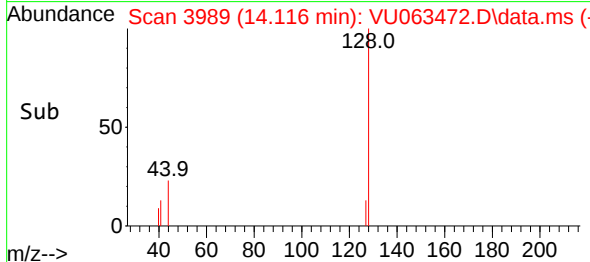
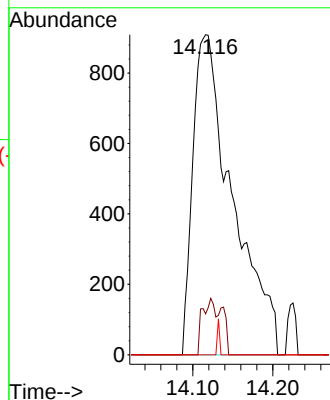
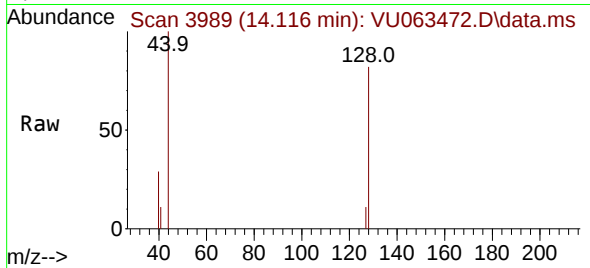




#95
Naphthalene
Concen: 0.494 ug/l
RT: 14.116 min Scan# 3977
Delta R.T. 0.038 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL04

Tgt Ion:128 Resp: 3135
Ion Ratio Lower Upper
128 100
127 5.7 10.2 15.4#
129 0.6 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.169 ug/l
RT: 14.331 min Scan# 4056
Delta R.T. 0.010 min
Lab File: VU063472.D
Acq: 10 Jul 2025 11:27

Tgt Ion:180 Resp: 321
Ion Ratio Lower Upper
180 100
182 51.1 47.8 143.3
145 21.8 17.2 51.5

