

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044963.D
 Acq On : 29 Sep 2021 00:34
 Operator : SY/MD
 Sample : PB139424TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139424TB

Quant Time: Sep 29 05:49:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

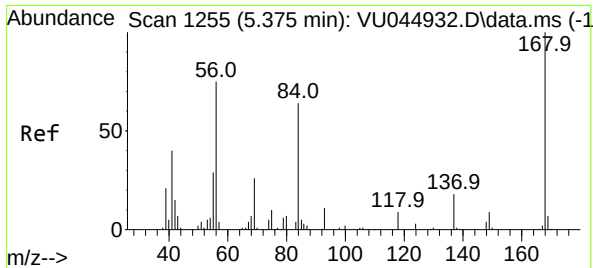
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	199251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	352802	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	349165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	170575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	160380	48.354	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	96.700%	
35) Dibromofluoromethane	5.295	113	111930	50.292	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.580%	
50) Toluene-d8	7.902	98	462342	52.577	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	105.160%	
62) 4-Bromofluorobenzene	10.635	95	173003	47.653	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	95.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.867	94	380	0.304	ug/l	93
11) Tert butyl alcohol	3.182	59	700	0.735	ug/l #	72
16) Acetone	2.629	43	62475	31.733	ug/l	98
20) Methylene Chloride	3.054	84	17237	5.813	ug/l	96
25) 2-Butanone	4.713	43	14652	5.238	ug/l	99
29) Tetrahydrofuran	5.070	42	1341	0.805	ug/l #	78
31) Cyclohexane	5.378	56	5278	1.048	ug/l #	3
36) 1,1-Dichloropropene	5.378	75	18459	5.003	ug/l #	49
37) Ethyl Acetate	4.713	43	14652	3.001	ug/l #	69
38) Carbon Tetrachloride	5.378	117	20671	6.475	ug/l #	16
41) Methacrylonitrile	5.067	41	758	0.302	ug/l #	36
43) Isopropyl Acetate	5.915	43	23546	3.206	ug/l	98
48) Methyl methacrylate	6.893	41	7339	2.053	ug/l #	14
49) 1,4-Dioxane	7.041	88	159	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	10962	2.050	ug/l	98
54) cis-1,3-Dichloropropene	7.742	75	37890	8.348	ug/l #	61
56) Ethyl methacrylate	8.340	69	196	1.855	ug/l #	24
57) 1,3-Dichloropropane	8.732	76	25200	4.928	ug/l #	43
59) 2-Hexanone	8.732	43	347968	79.921	ug/l #	50
60) Dibromochloromethane	8.568	129	20	2.183	ug/l #	10
74) N-amyl acetate	10.327	43	1582	0.247	ug/l #	53
76) 1,2,3-Trichloropropane	10.635	75	93337	18.760	ug/l #	41
78) n-propylbenzene	10.909	91	6474	0.418	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.635	75	93337	52.062	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.471	105	6520	0.592	ug/l	94
89) n-Butylbenzene	12.214	91	2619	0.254	ug/l	97
93) 1,2,4-Trichlorobenzene	13.844	180	1505	0.450	ug/l	91
95) Naphthalene	14.092	128	7288	0.579	ug/l	97
96) 1,2,3-Trichlorobenzene	14.333	180	1535	0.457	ug/l	90

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

Quant Time: Sep 29 05:49:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration

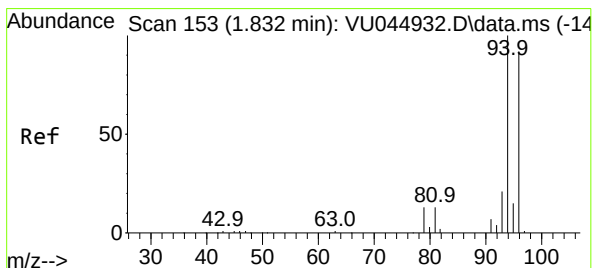
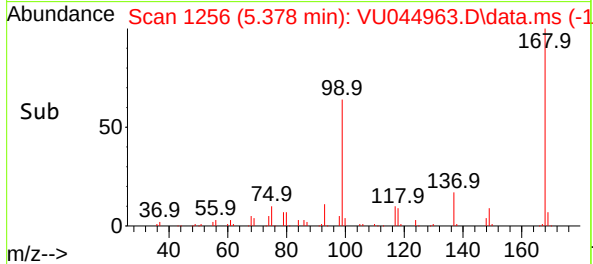
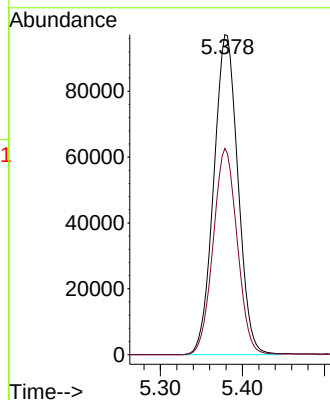
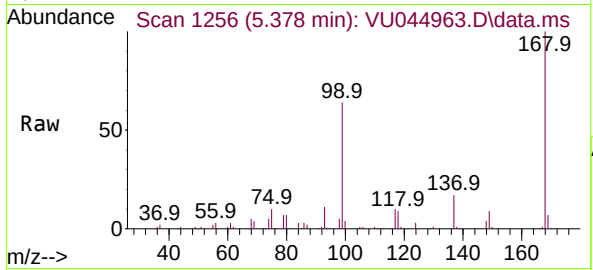




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

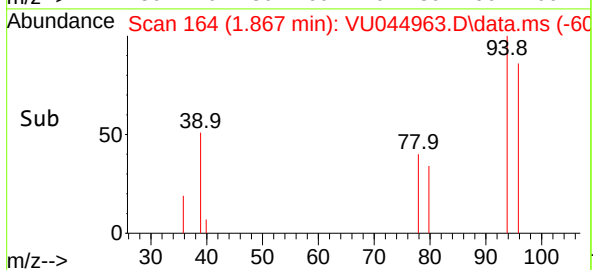
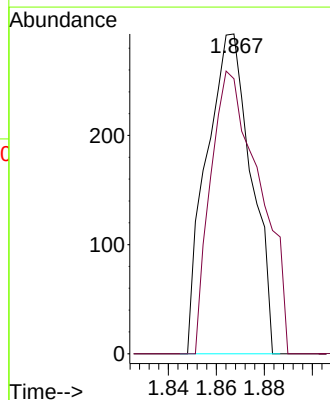
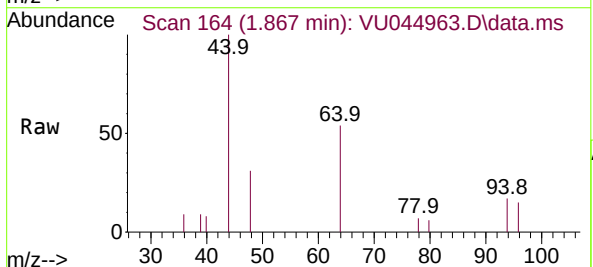
Instrument :
MSVOA_U
ClientSampleId :
PB139424TB

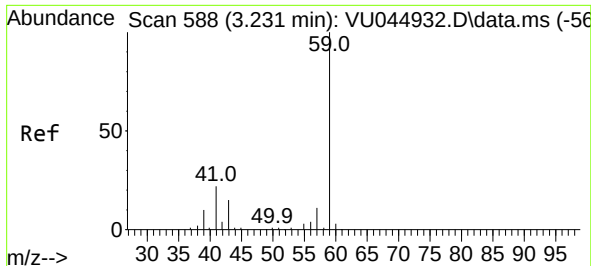
Tgt Ion:168 Resp: 199251
Ion Ratio Lower Upper
168 100
99 64.5 51.4 77.0



#5
Bromomethane
Concen: 0.304 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.035 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 94 Resp: 380
Ion Ratio Lower Upper
94 100
96 86.0 74.5 111.7

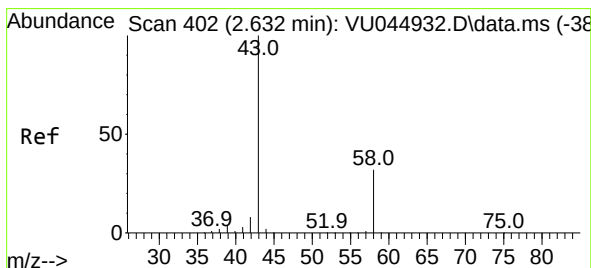
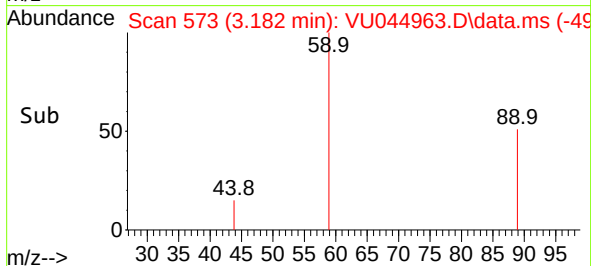
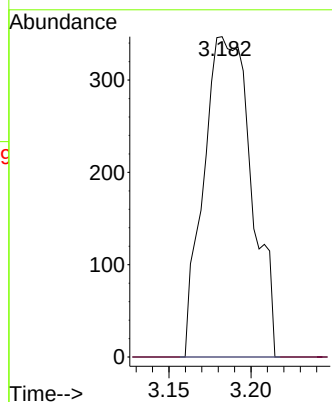
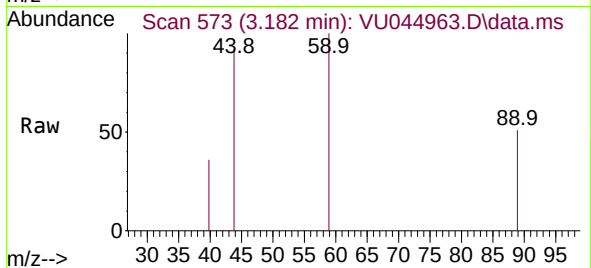




#11
Tert butyl alcohol
Concen: 0.735 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.049 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

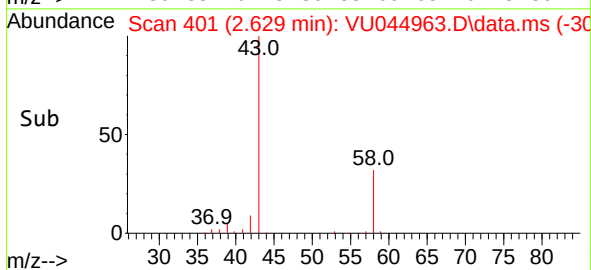
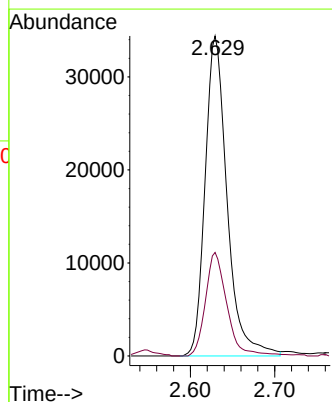
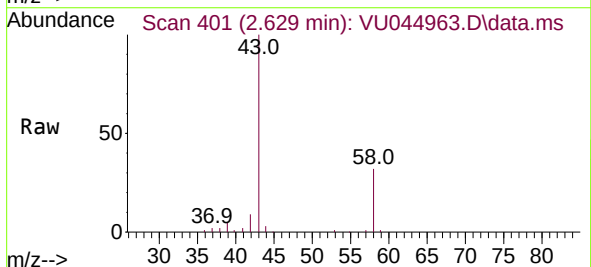
Instrument :
MSVOA_U
ClientSampleId :
PB139424TB

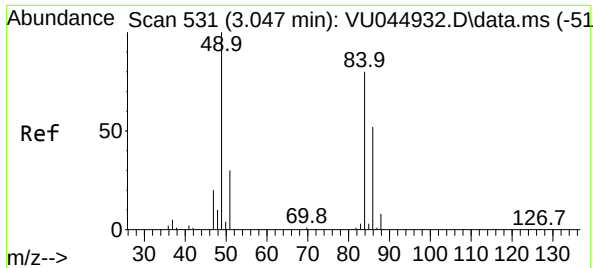
Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 31.733 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 43 Resp: 62475
Ion Ratio Lower Upper
43 100
58 32.4 25.2 37.8

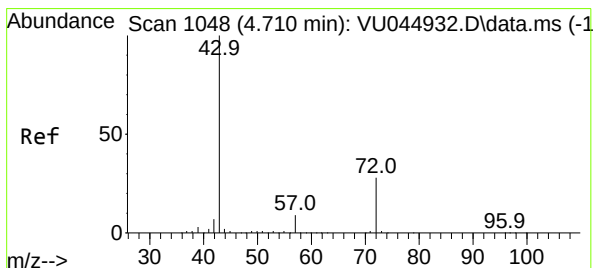
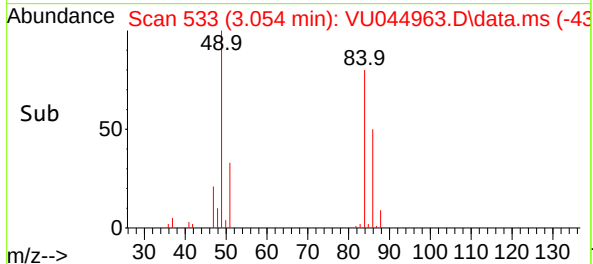
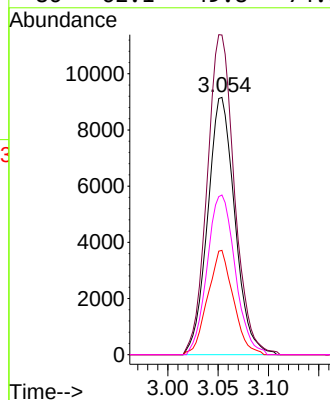
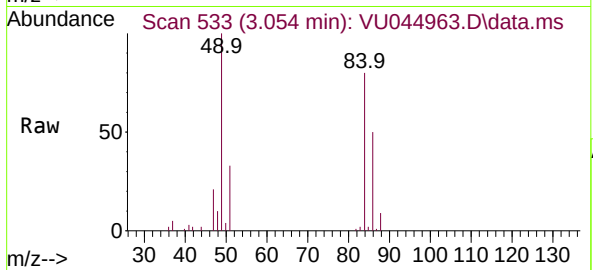




#20
Methylene Chloride
Concen: 5.813 ug/l
RT: 3.054 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

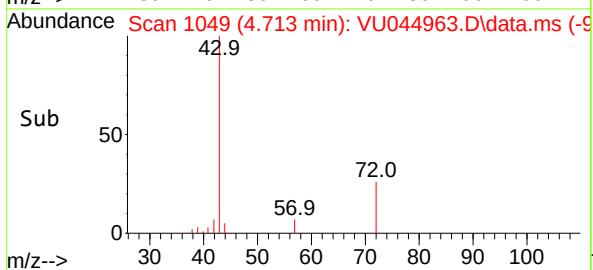
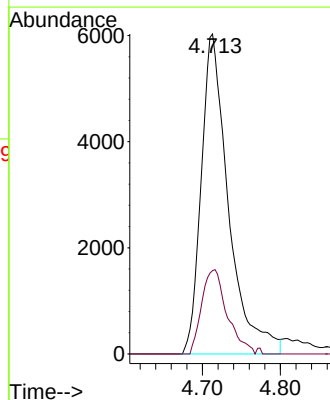
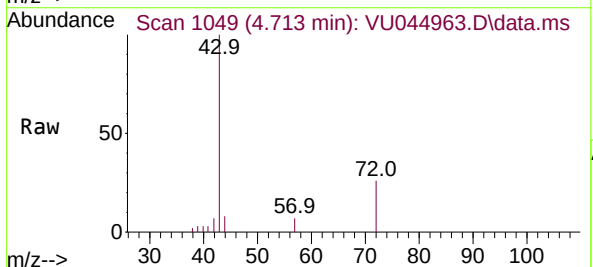
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ClientSampleId :
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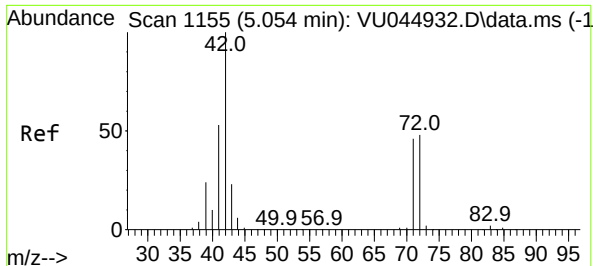
Tgt Ion:	84	Resp:	17237
Ion	Ratio	Lower	Upper
84	100		
49	124.2	104.9	157.3
51	40.6	31.8	47.8
86	62.1	49.8	74.6



#25
2-Butanone
Concen: 5.238 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion:	43	Resp:	14652
Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.805 ug/l

RT: 5.070 min Scan# 1155

Delta R.T. 0.016 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

Instrument :

MSVOA_U

ClientSampleId :

PB139424TB

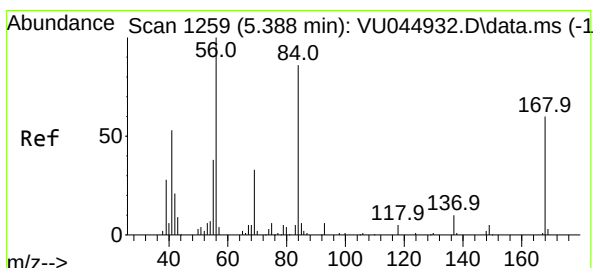
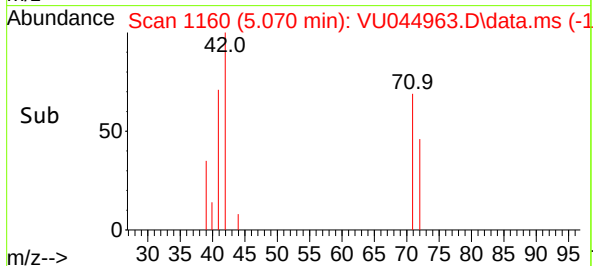
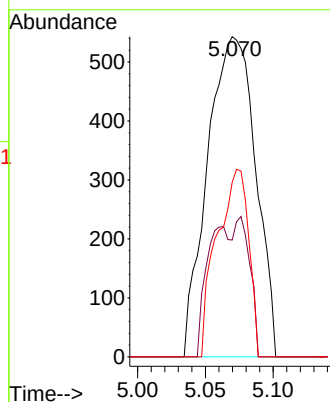
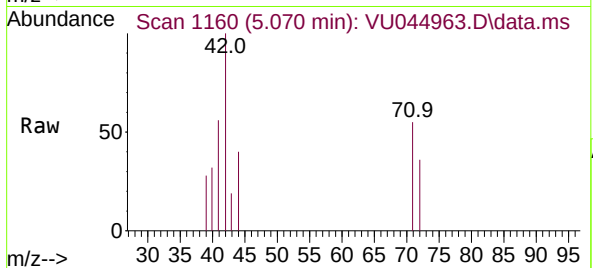
Tgt Ion: 42 Resp: 1341

Ion Ratio Lower Upper

42 100

72 21.6 36.2 54.4#

71 38.5 34.1 51.1



#31

Cyclohexane

Concen: 1.048 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.010 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

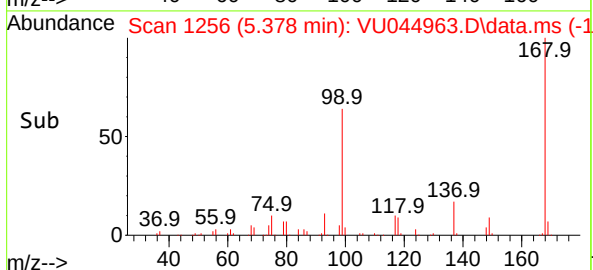
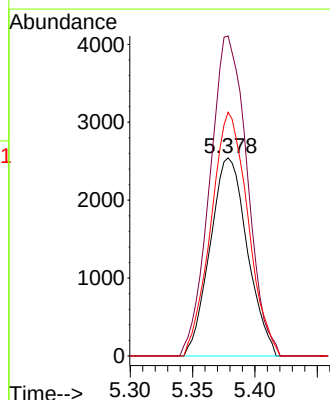
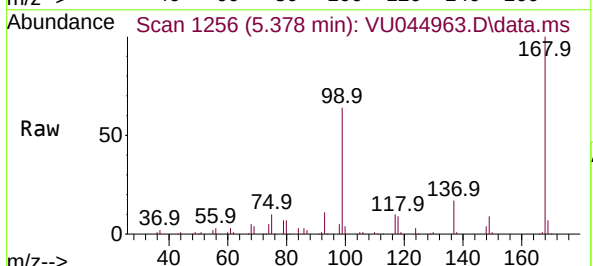
Tgt Ion: 56 Resp: 5278

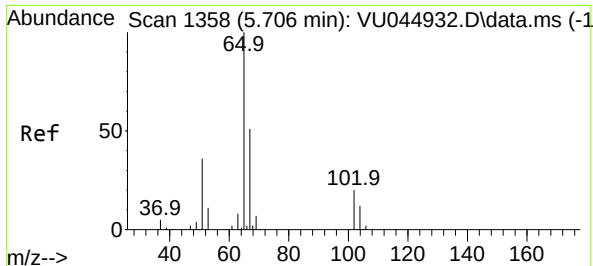
Ion Ratio Lower Upper

56 100

69 161.6 25.2 37.8#

84 123.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.354 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

Instrument :

MSVOA_U

ClientSampleId :

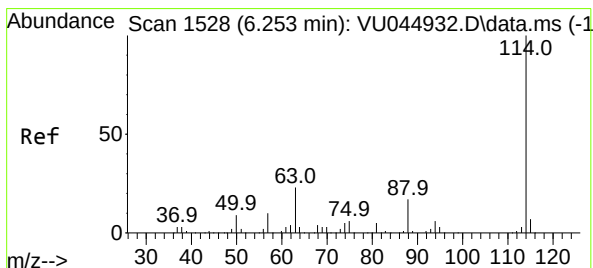
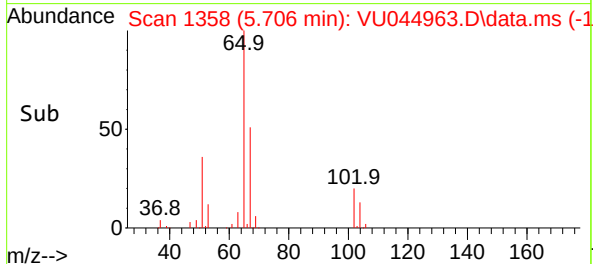
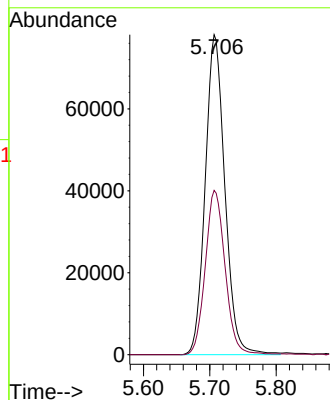
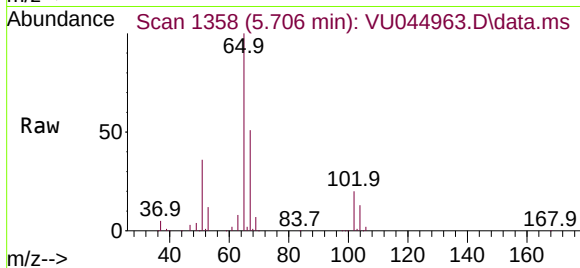
PB139424TB

Tgt Ion: 65 Resp: 160380

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

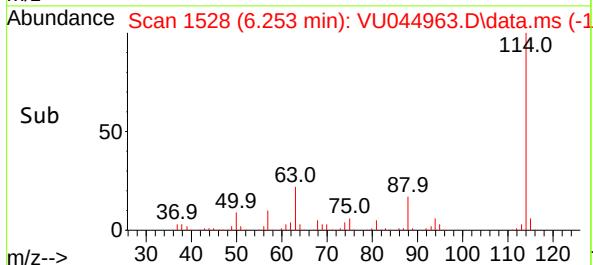
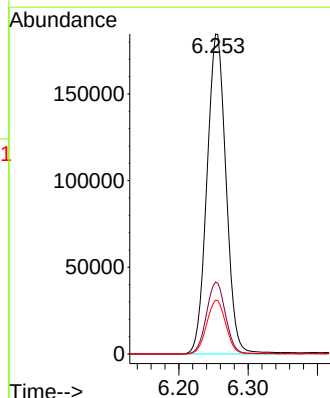
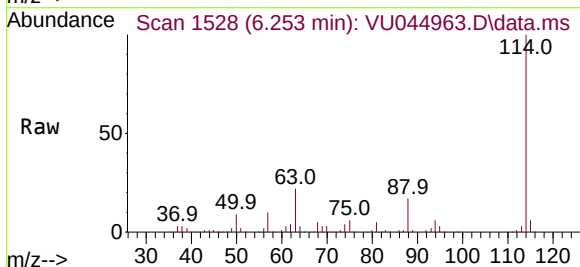
Tgt Ion: 114 Resp: 352802

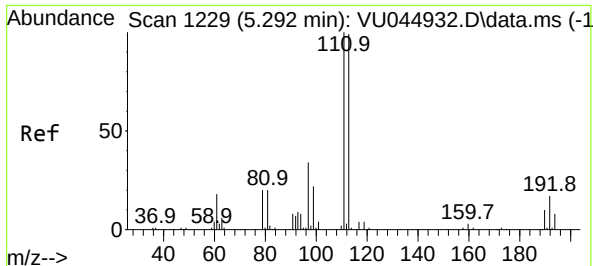
Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.292 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

Instrument :

MSVOA_U

ClientSampleId :

PB139424TB

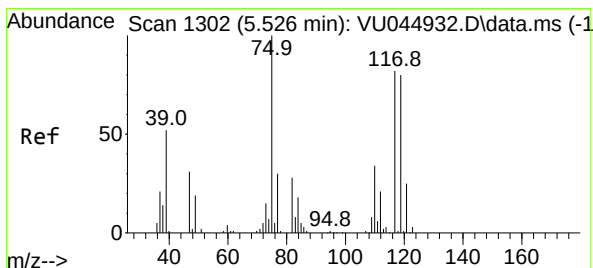
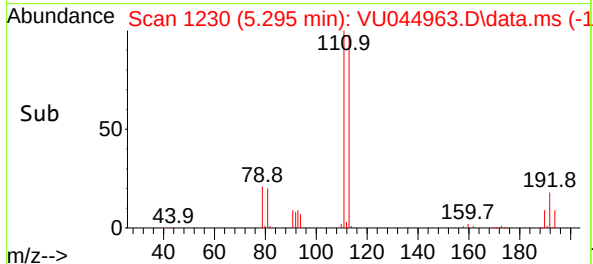
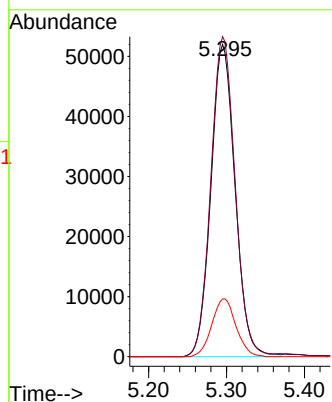
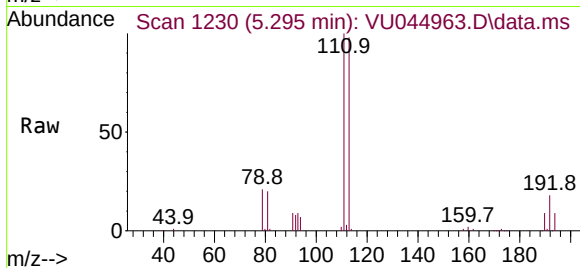
Tgt Ion:113 Resp: 111930

Ion Ratio Lower Upper

113 100

111 103.1 84.1 126.1

192 18.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.003 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.148 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

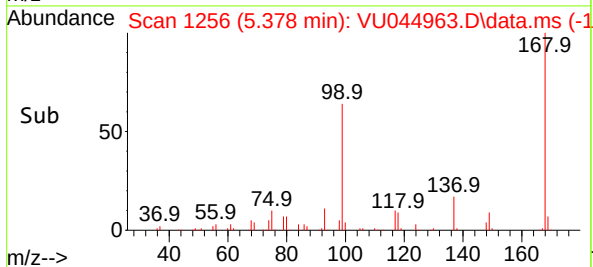
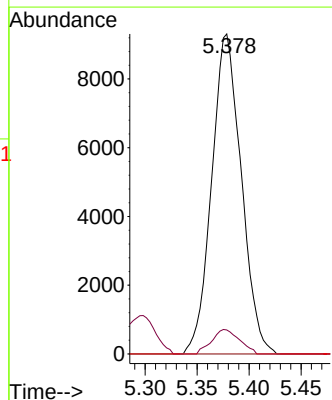
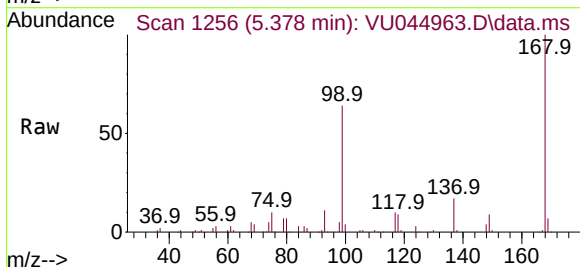
Tgt Ion: 75 Resp: 18459

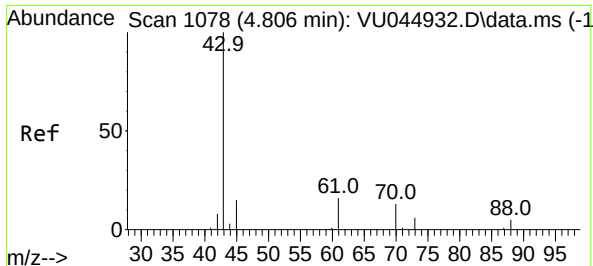
Ion Ratio Lower Upper

75 100

110 7.2 16.3 48.9#

77 0.0 25.0 37.4#

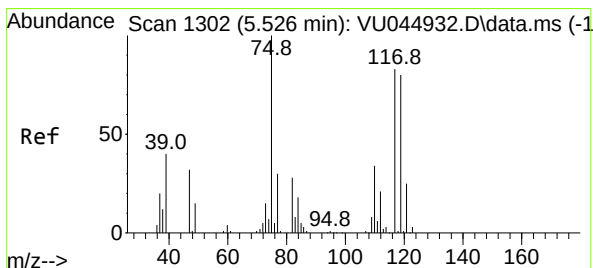
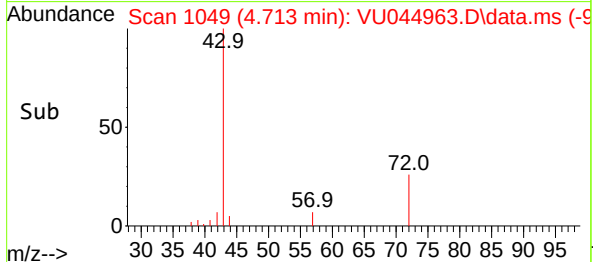
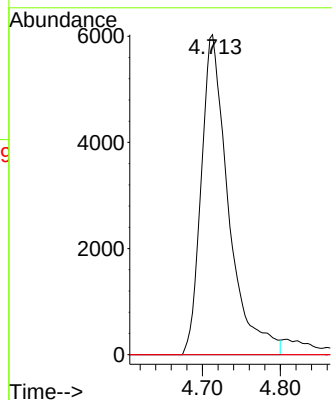
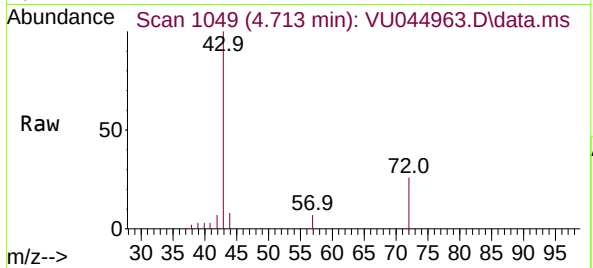




#37
Ethyl Acetate
Concen: 3.001 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.093 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

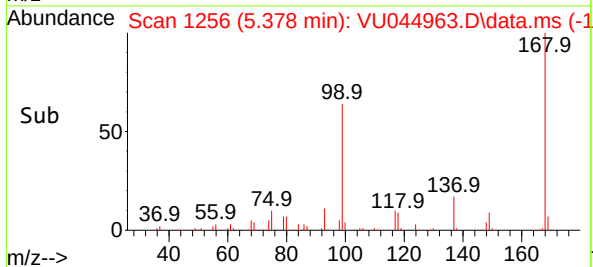
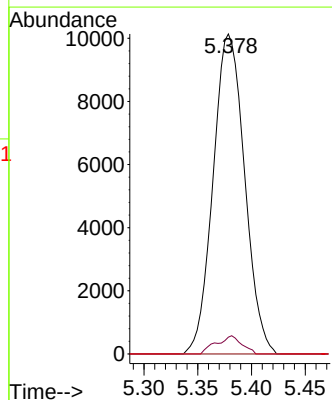
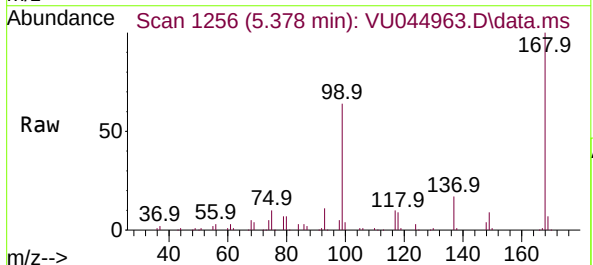
Instrument :
MSVOA_U
ClientSampleId :
PB139424TB

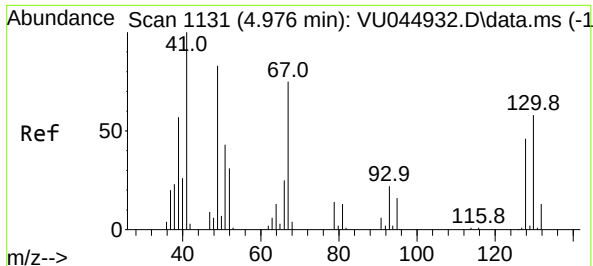
Tgt Ion: 43 Resp: 14652
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.475 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 117 Resp: 20671
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.2#
121 0.0 24.5 36.7#

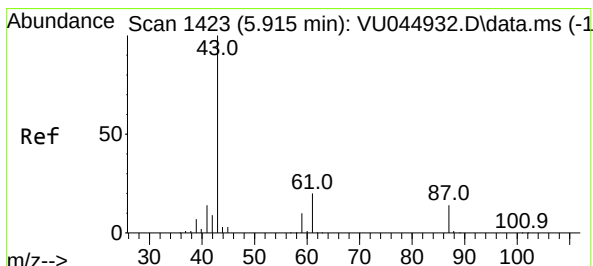
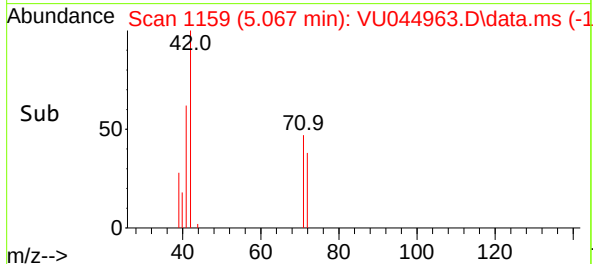
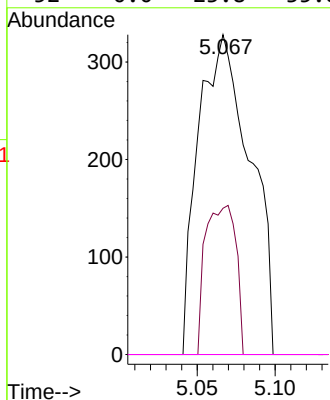
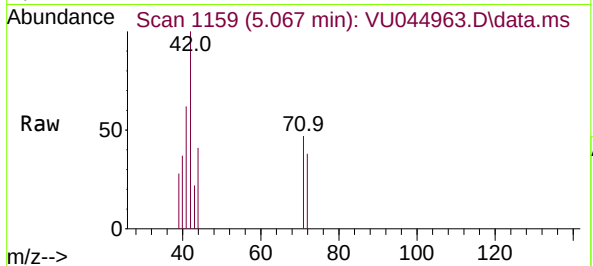




#41
Methacrylonitrile
Concen: 0.302 ug/l
RT: 5.067 min Scan# 1131
Delta R.T. 0.091 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

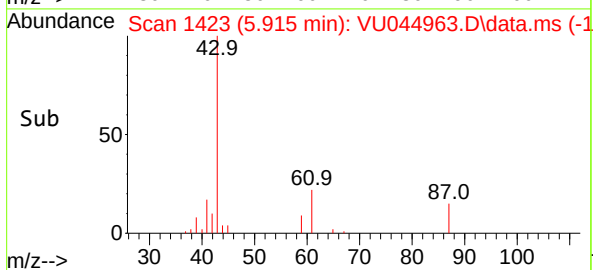
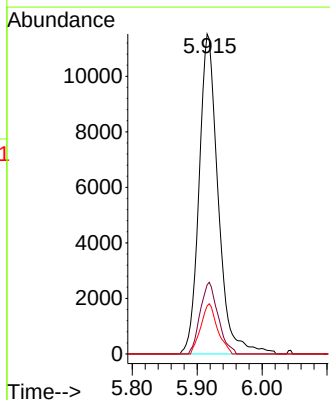
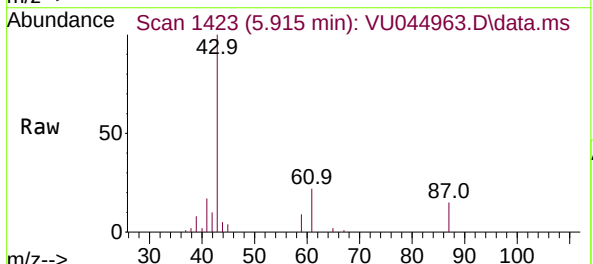
Instrument :
MSVOA_U
ClientSampleId :
PB139424TB

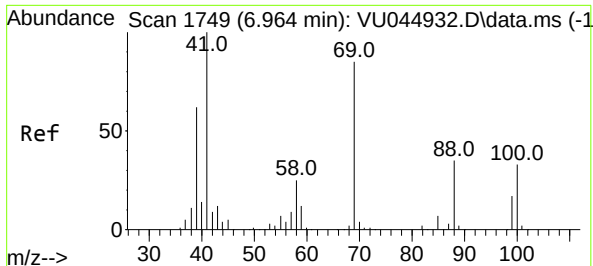
Tgt Ion: 41	Resp: 758
Ion Ratio	Lower Upper
41 100	
39 27.3	44.4 66.6#
67 0.0	58.1 87.1#
52 0.0	23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.206 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 43	Resp: 23546
Ion Ratio	Lower Upper
43 100	
61 21.0	16.1 24.1
87 13.6	10.3 15.5





#48

Methyl methacrylate

Concen: 2.053 ug/l

RT: 6.893 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

Instrument :

MSVOA_U

ClientSampleId :

PB139424TB

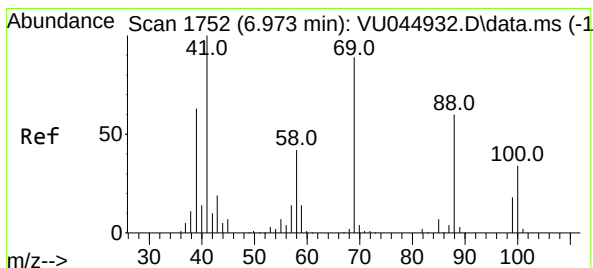
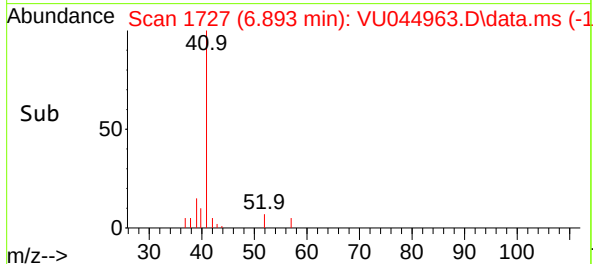
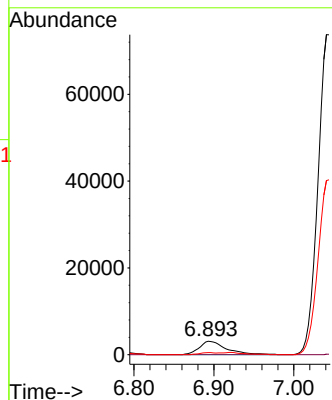
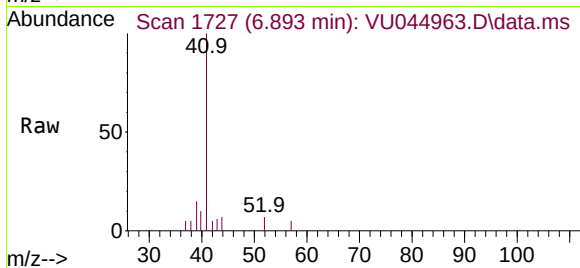
Tgt Ion: 41 Resp: 7339

Ion Ratio Lower Upper

41 100

69 0.0 65.6 98.4#

39 0.0 46.2 69.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.041 min Scan# 1773

Delta R.T. 0.068 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

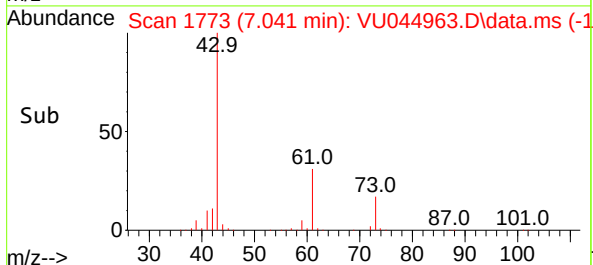
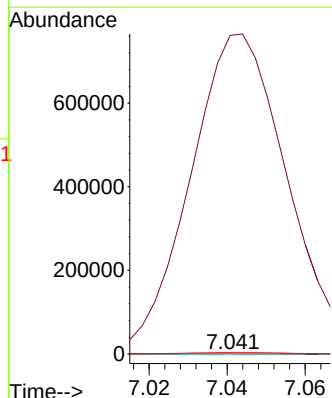
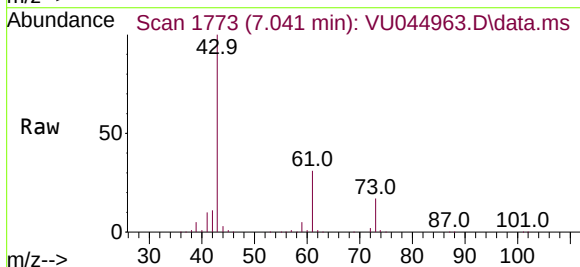
Tgt Ion: 88 Resp: 159

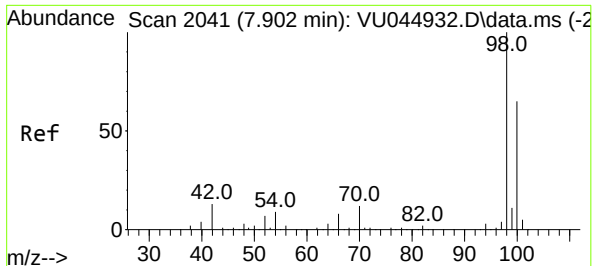
Ion Ratio Lower Upper

88 100

43 864120.8 25.8 38.6#

58 3857.2 61.3 91.9#





#50

Toluene-d8

Concen: 52.577 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

Instrument :

MSVOA_U

ClientSampleId :

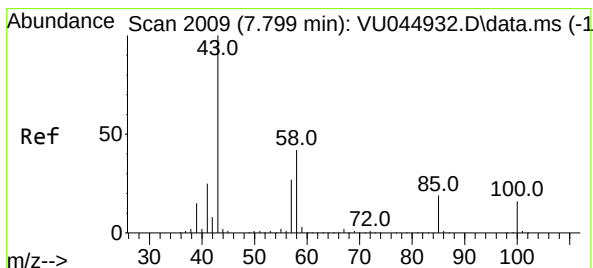
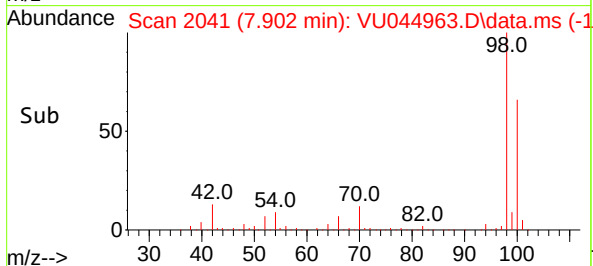
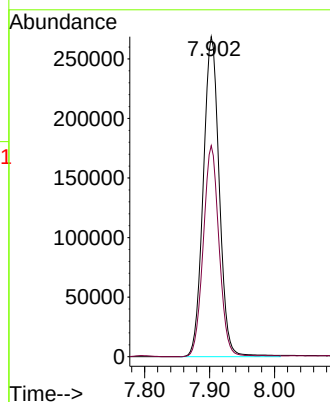
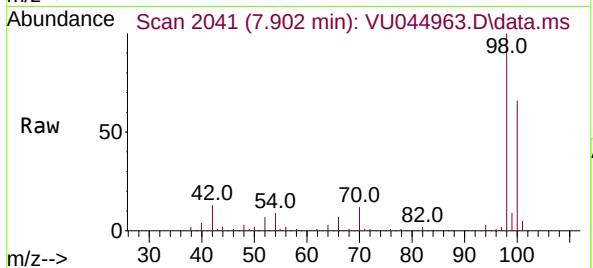
PB139424TB

Tgt Ion: 98 Resp: 462342

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 2.050 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VU044963.D

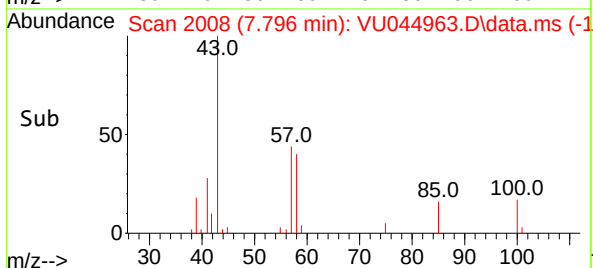
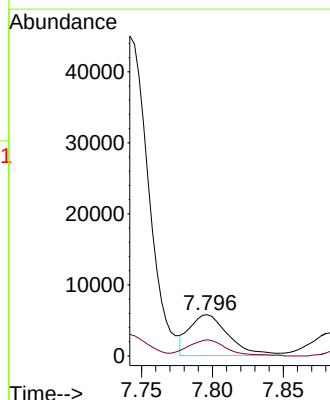
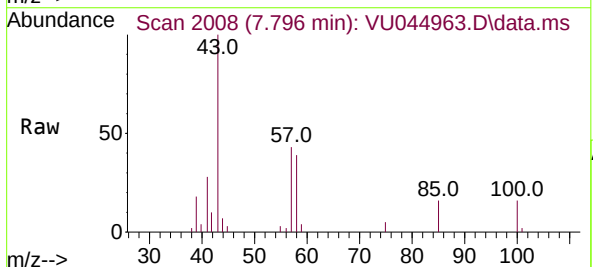
Acq: 29 Sep 2021 00:34

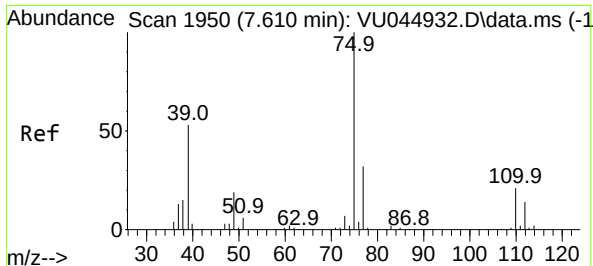
Tgt Ion: 43 Resp: 10962

Ion Ratio Lower Upper

43 100

58 39.1 32.4 48.6

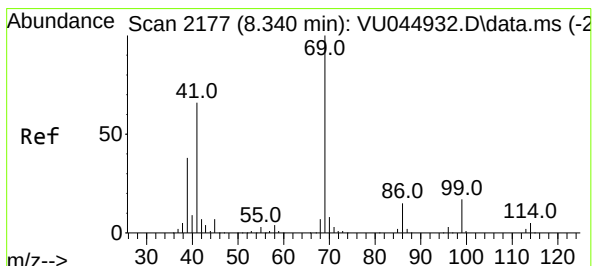
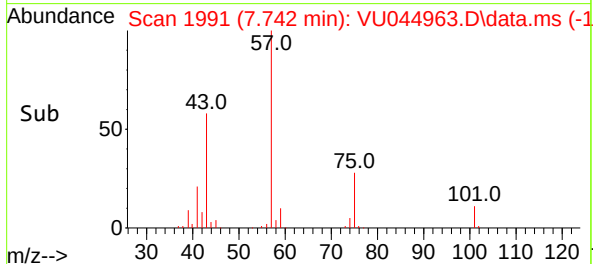
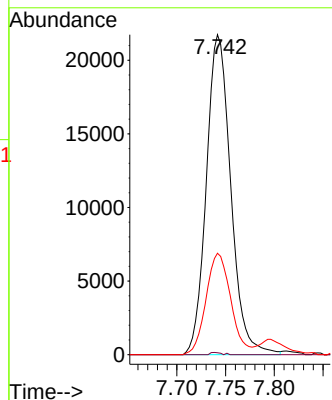
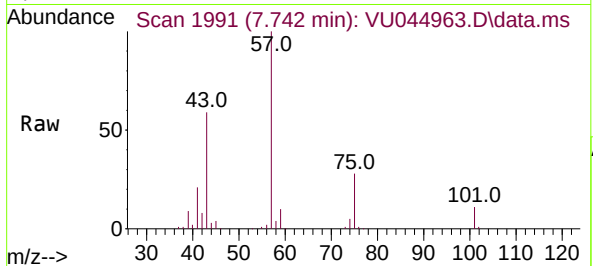




#54
 cis-1,3-Dichloropropene
 Concen: 8.348 ug/l
 RT: 7.742 min Scan# 1950
 Delta R.T. 0.132 min
 Lab File: VU044963.D
 Acq: 29 Sep 2021 00:34

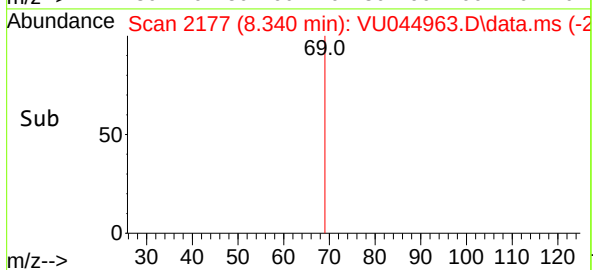
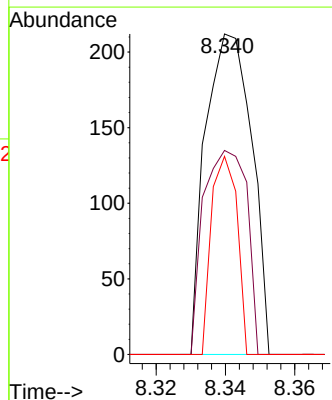
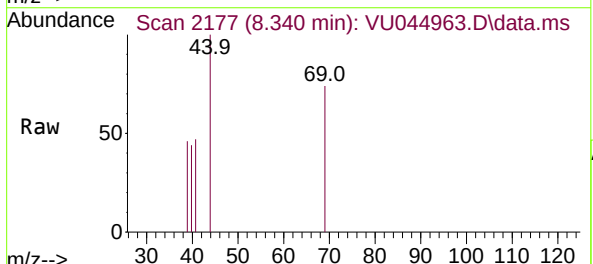
Instrument :
 MSVOA_U
 ClientSampleId :
 PB139424TB

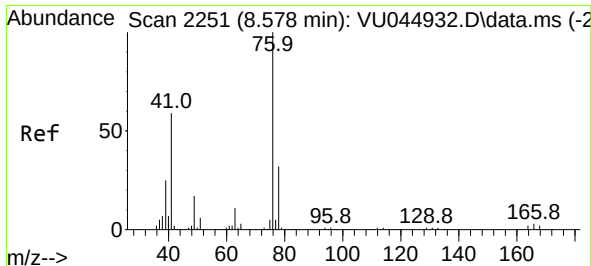
Tgt Ion: 75 Resp: 37890
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 31.7 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.855 ug/l
 RT: 8.340 min Scan# 2177
 Delta R.T. -0.000 min
 Lab File: VU044963.D
 Acq: 29 Sep 2021 00:34

Tgt Ion: 69 Resp: 196
 Ion Ratio Lower Upper
 69 100
 41 0.0 53.5 80.3#
 39 0.0 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 4.928 ug/l

RT: 8.732 min Scan# 21

Delta R.T. 0.154 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

Instrument :

MSVOA_U

ClientSampleId :

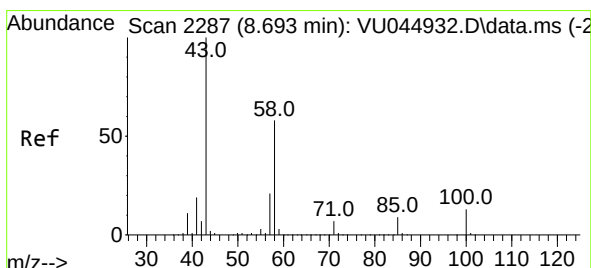
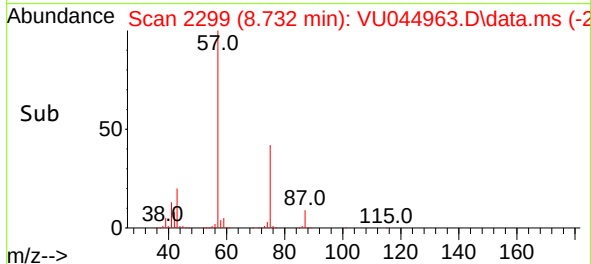
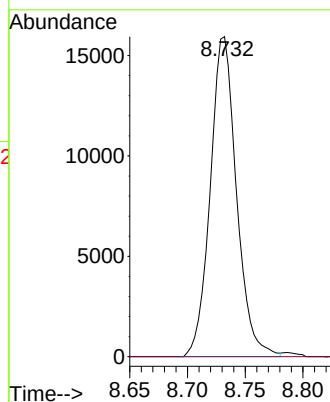
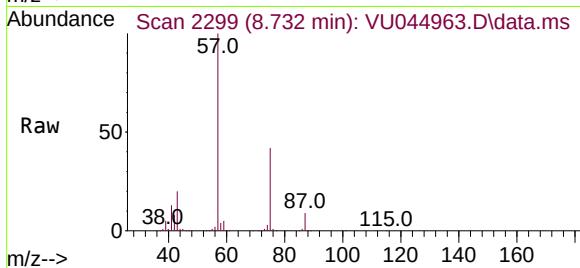
PB139424TB

Tgt Ion: 76 Resp: 25200

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 79.921 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.039 min

Lab File: VU044963.D

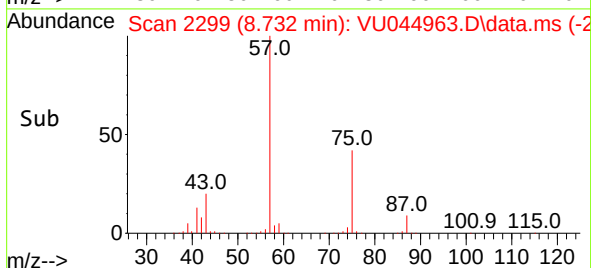
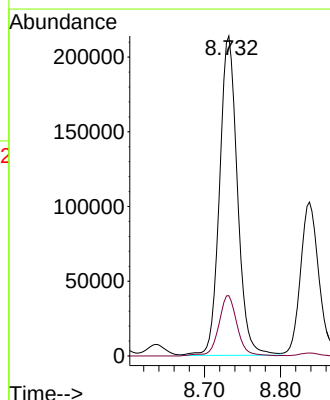
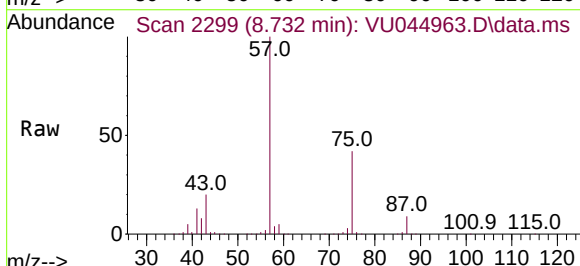
Acq: 29 Sep 2021 00:34

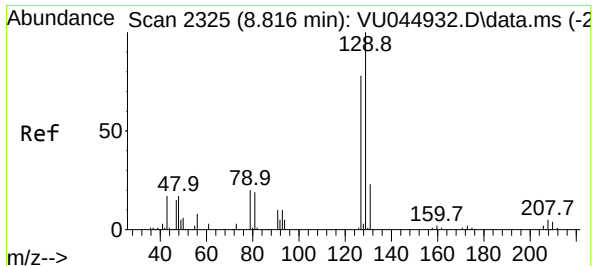
Tgt Ion: 43 Resp: 347968

Ion Ratio Lower Upper

43 100

58 19.5 28.0 84.0#

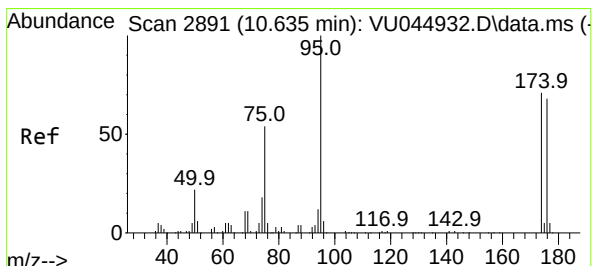
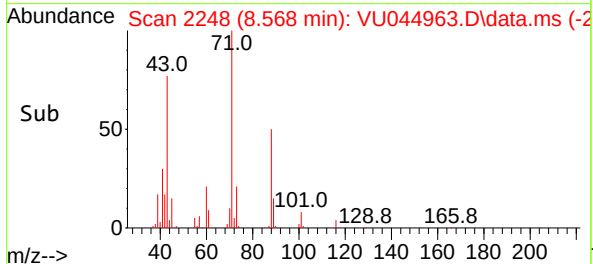
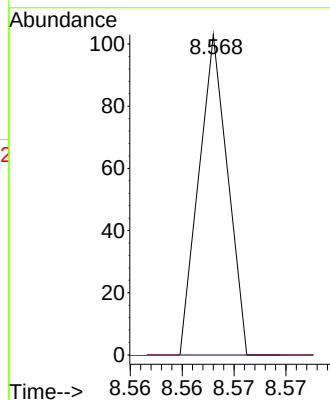
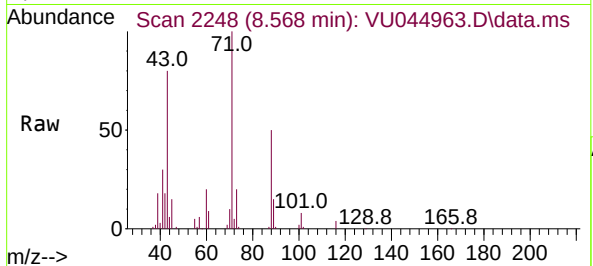




#60
Dibromochloromethane
Concen: 2.183 ug/l
RT: 8.568 min Scan# 211
Delta R.T. -0.248 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

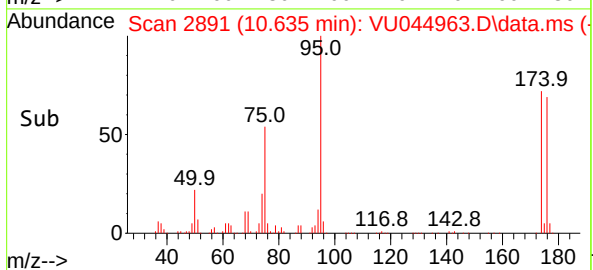
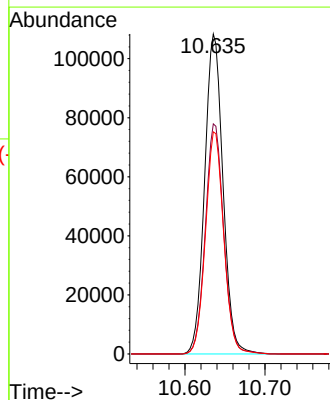
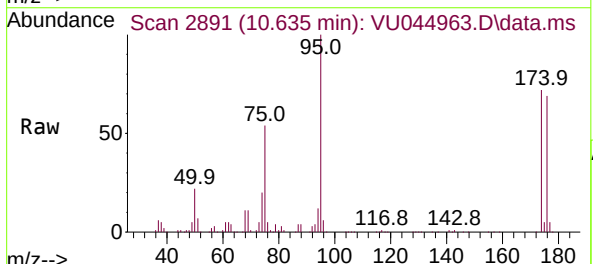
Instrument :
MSVOA_U
ClientSampleId :
PB139424TB

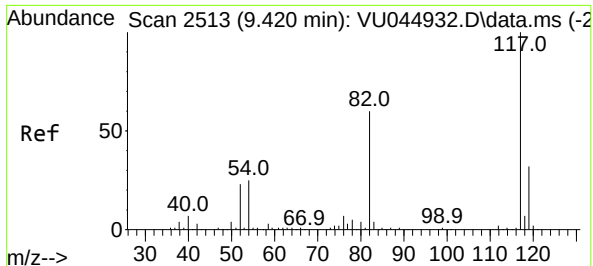
Tgt Ion:129 Resp: 20
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 47.653 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 95 Resp: 173003
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.6
176 68.9 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

Instrument :

MSVOA_U

ClientSampleId :

PB139424TB

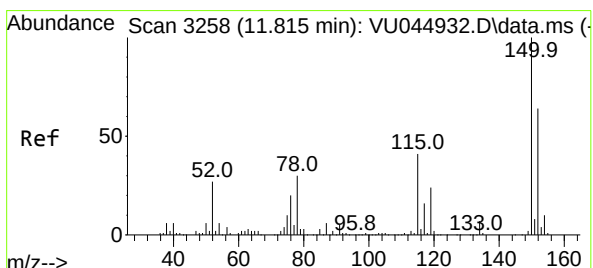
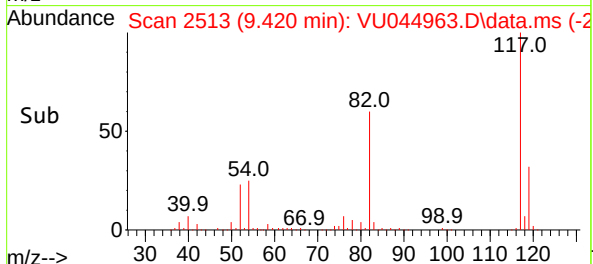
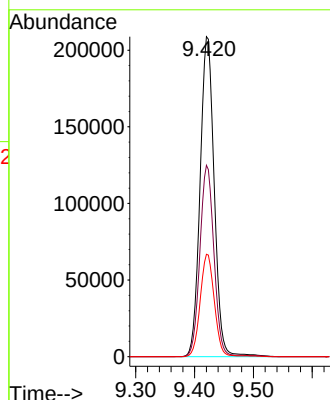
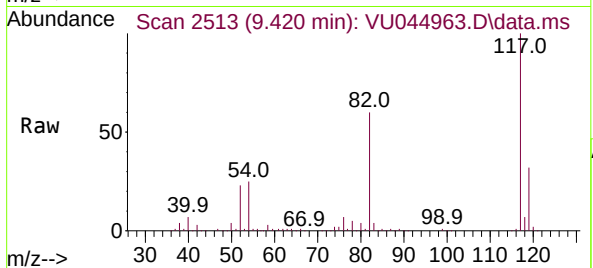
Tgt Ion:117 Resp: 349165

Ion Ratio Lower Upper

117 100

82 59.8 47.8 71.8

119 32.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.815 min Scan# 3258

Delta R.T. 0.000 min

Lab File: VU044963.D

Acq: 29 Sep 2021 00:34

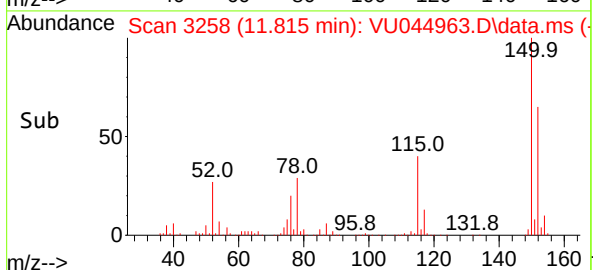
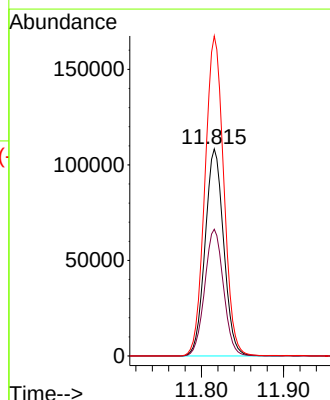
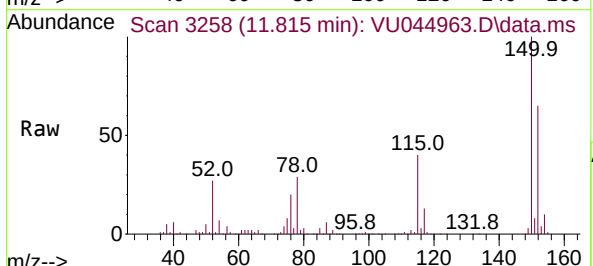
Tgt Ion:152 Resp: 170575

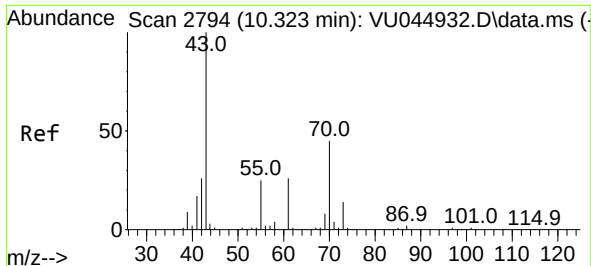
Ion Ratio Lower Upper

152 100

115 61.7 43.5 130.7

150 156.0 0.0 350.0

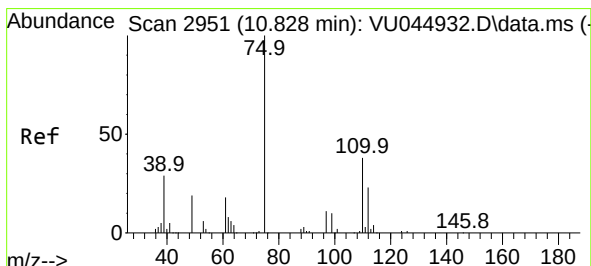
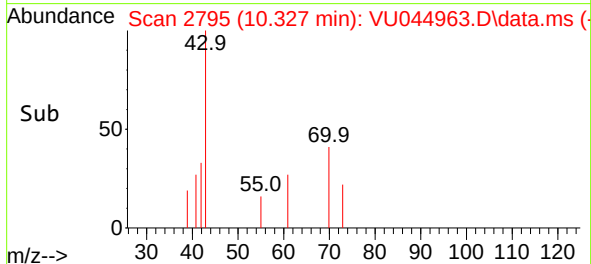
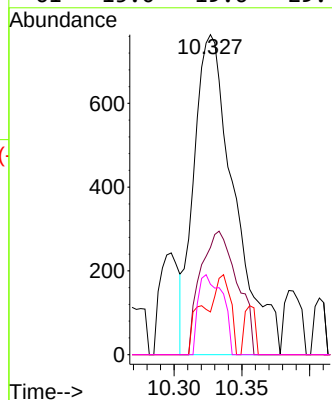
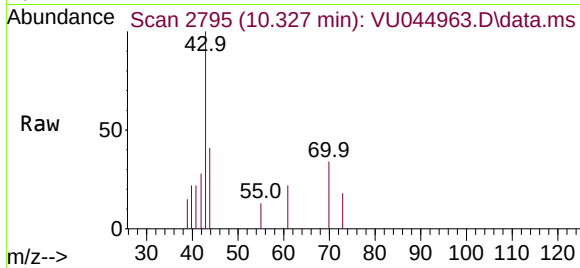




#74
N-amy1 acetate
Concen: 0.247 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

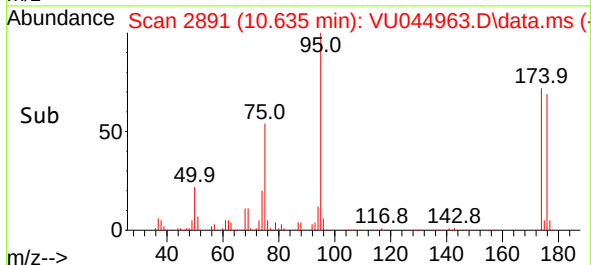
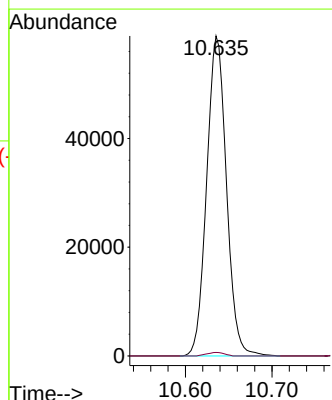
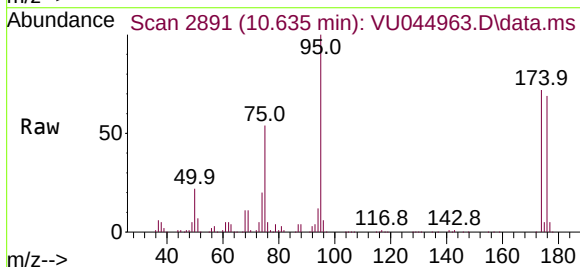
Instrument :
MSVOA_U
ClientSampleId :
PB139424TB

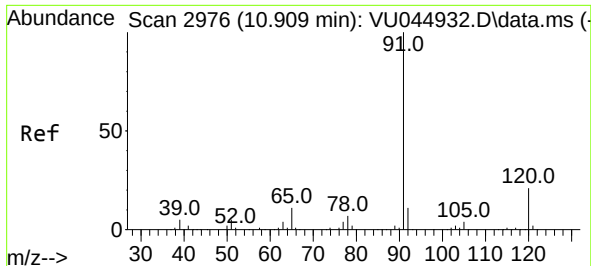
Tgt Ion: 43	Resp: 1582
Ion Ratio	Lower Upper
43	100
70	0.0 35.1 52.7#
55	6.6 20.5 30.7#
61	15.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 18.760 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 75	Resp: 93337
Ion Ratio	Lower Upper
75	100
77	1.0 17.9 53.7#

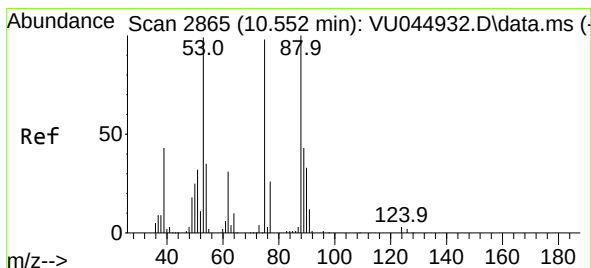
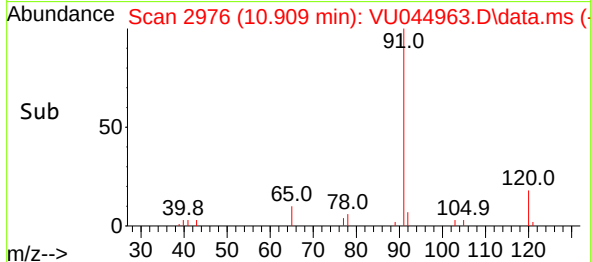
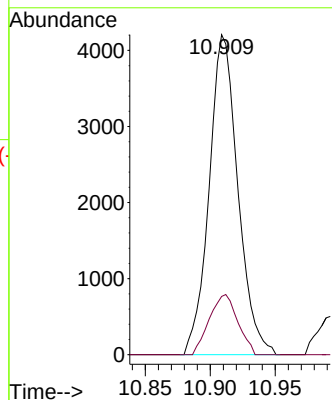
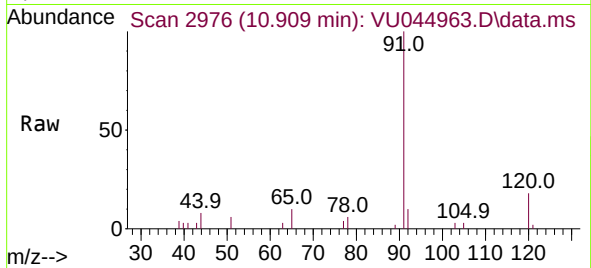




#78
n-propylbenzene
Concen: 0.418 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

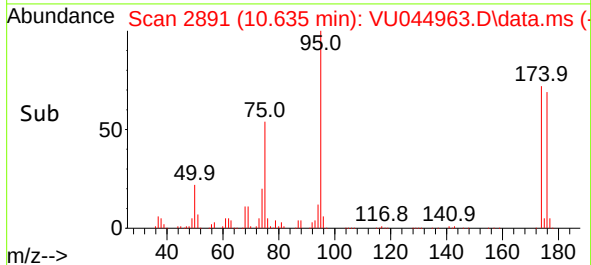
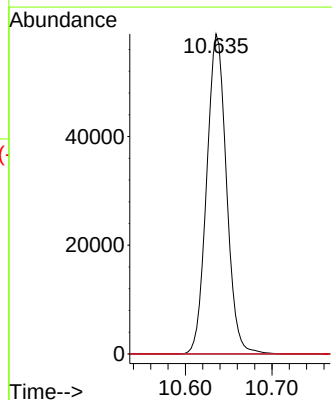
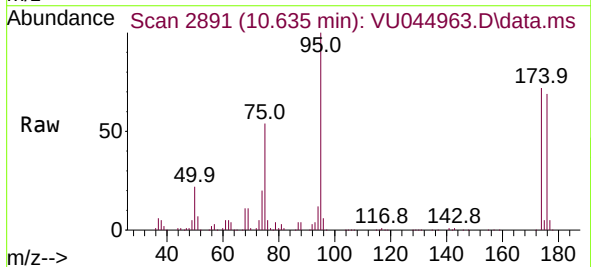
Instrument :
MSVOA_U
ClientSampleId :
PB139424TB

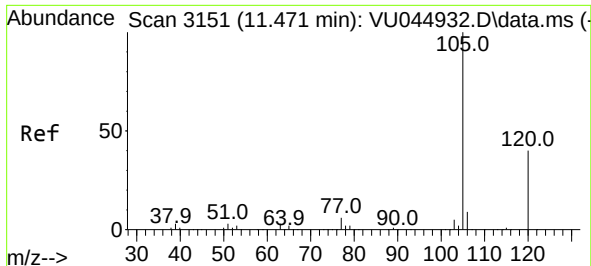
Tgt Ion: 91 Resp: 6474
Ion Ratio Lower Upper
91 100
120 18.5 10.8 32.4



#81
trans-1,4-Dichloro-2-butene
Concen: 52.062 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 75 Resp: 93337
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

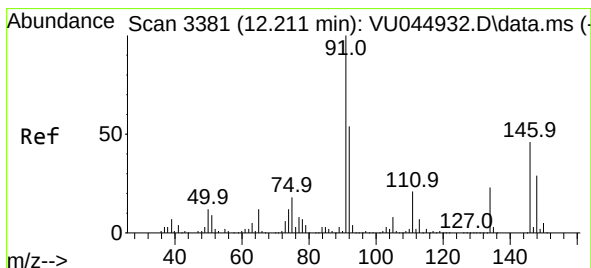
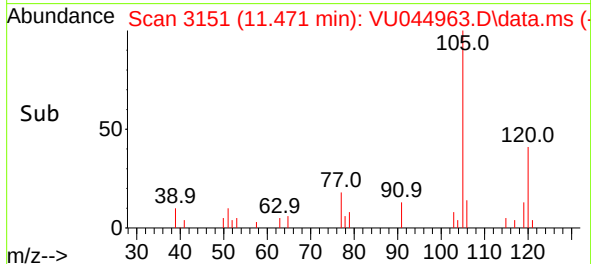
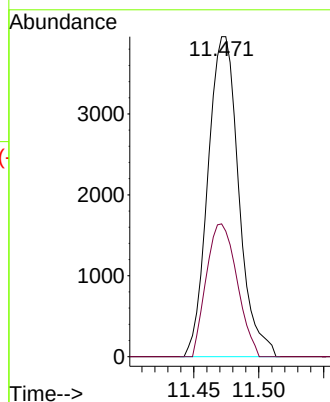
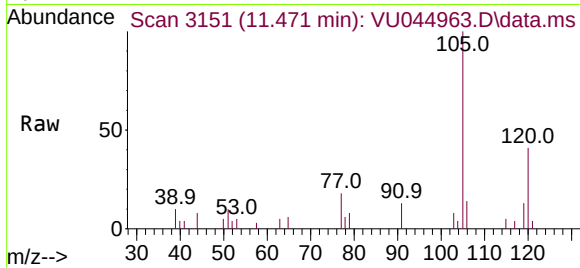




#84
1,2,4-Trimethylbenzene
Concen: 0.592 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

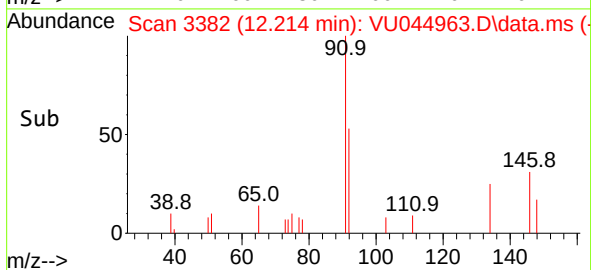
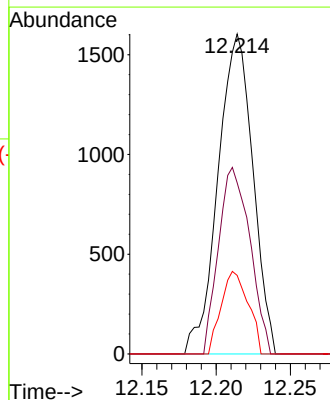
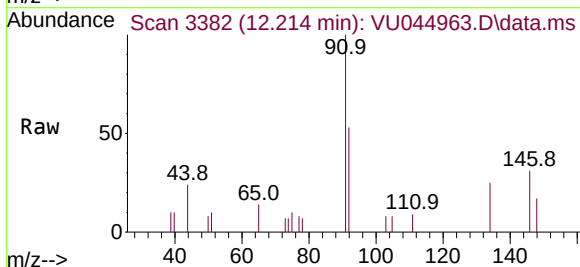
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ClientSampleId :
PB139424TB

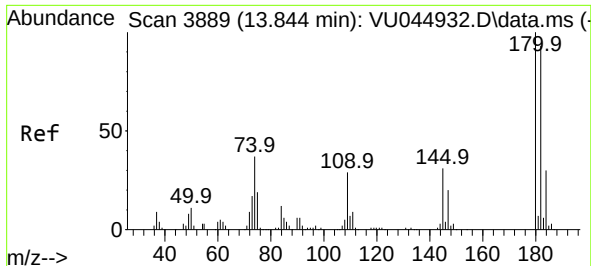
Tgt Ion:105 Resp: 6520
Ion Ratio Lower Upper
105 100
120 41.3 22.4 67.3



#89
n-Butylbenzene
Concen: 0.254 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion: 91 Resp: 2619
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.4
134 20.0 11.8 35.4

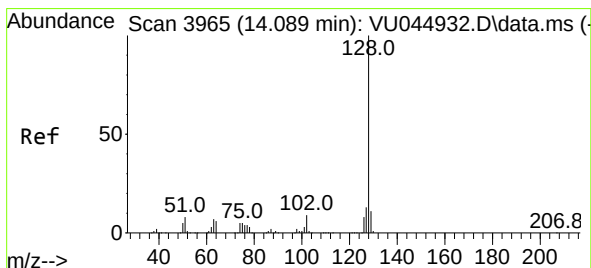
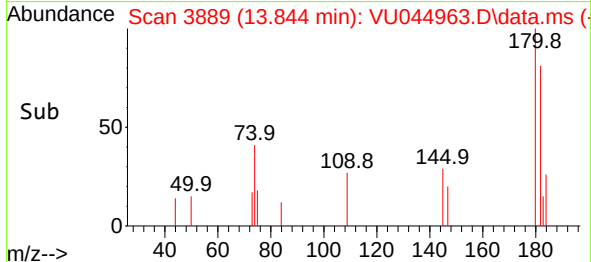
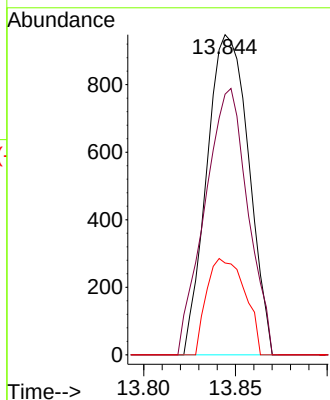
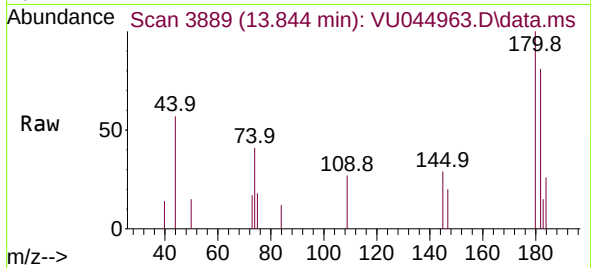




#93
1,2,4-Trichlorobenzene
Concen: 0.450 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.000 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

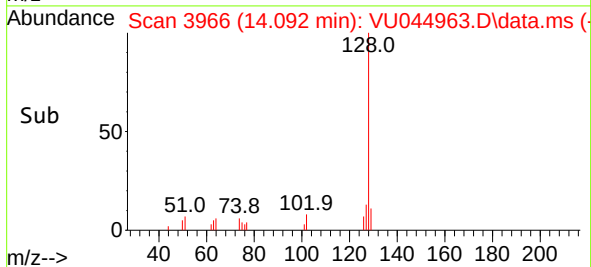
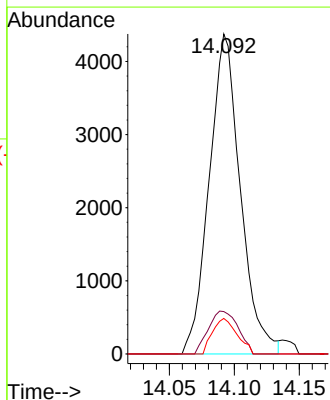
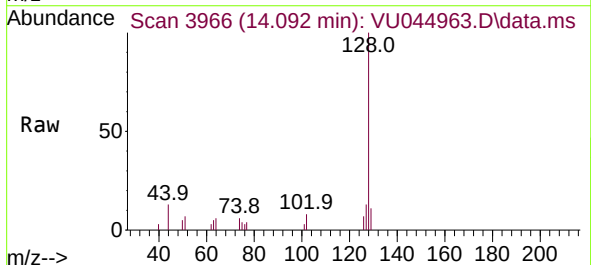
Instrument :
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ClientSampleId :
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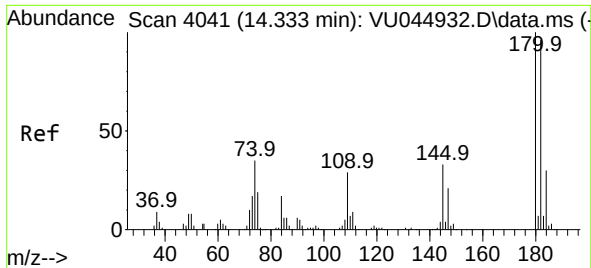
Tgt Ion:180 Resp: 1505
Ion Ratio Lower Upper
180 100
182 85.2 47.4 142.3
145 27.4 15.4 46.2



#95
Naphthalene
Concen: 0.579 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044963.D
Acq: 29 Sep 2021 00:34

Tgt Ion:128 Resp: 7288
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 8.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.457 ug/l
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.000 min
 Lab File: VU044963.D
 Acq: 29 Sep 2021 00:34

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139424TB

Tgt Ion:180 Resp: 1535
 Ion Ratio Lower Upper
 180 100
 182 87.5 47.1 141.4
 145 23.2 16.4 49.2

