

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044874.D
 Acq On : 26 Sep 2021 06:38
 Operator : SY/MD
 Sample : M3888-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40457

Quant Time: Sep 27 03:18:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

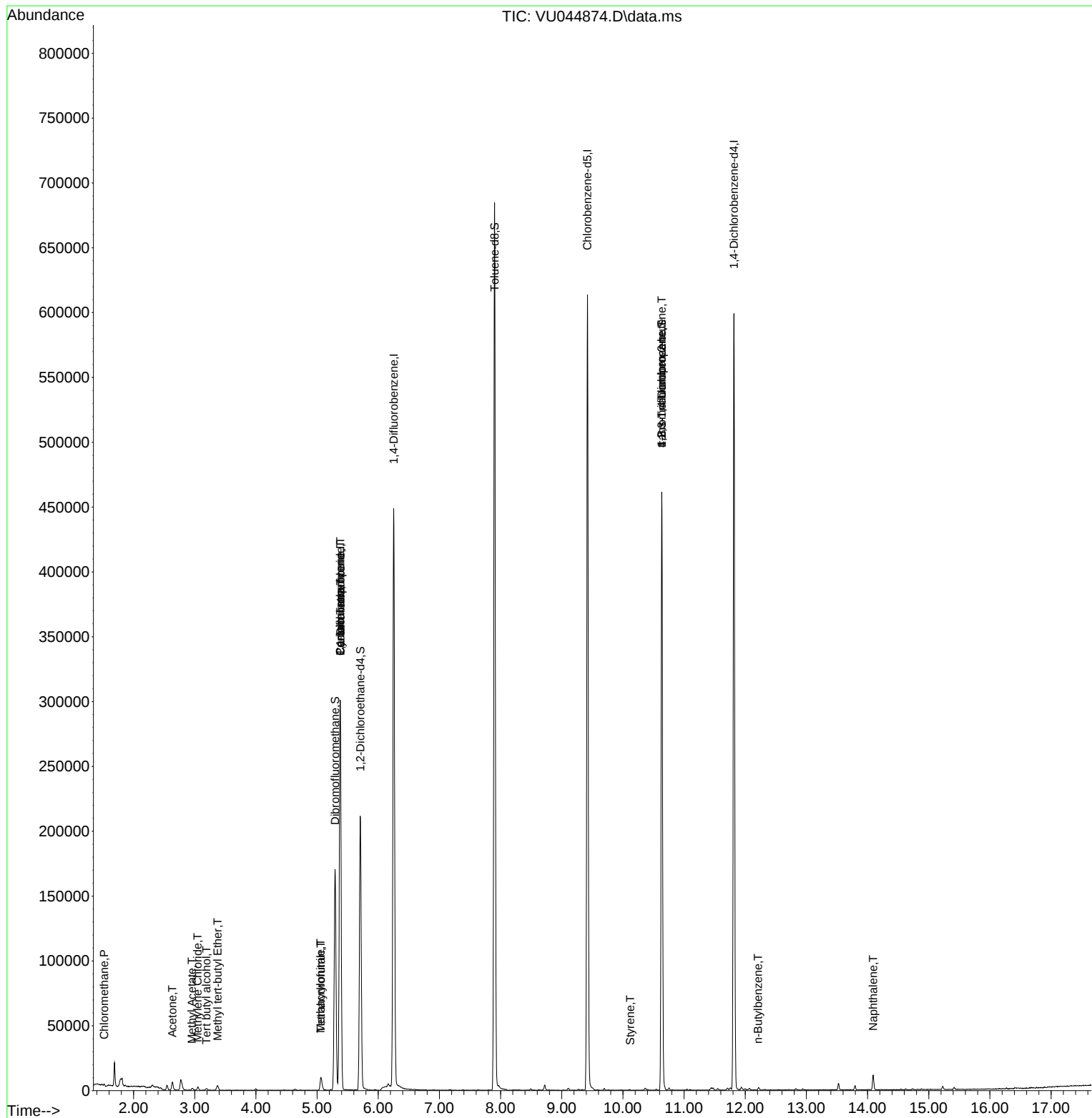
Internal Standards						
1) Pentafluorobenzene	5.378	168	198322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	345778	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	316723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	143891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	158515	45.797	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.600%	
35) Dibromofluoromethane	5.295	113	109555	46.185	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.360%	
50) Toluene-d8	7.902	98	438033	48.894	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.780%	
62) 4-Bromofluorobenzene	10.635	95	152328	45.778	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.560%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	908	0.252	ug/l	100
5) Bromomethane	1.858	94	250	Below Cal		91
6) Chloroethane	1.925	64	71	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	1140	1.128	ug/l	# 72
13) Acrolein	2.488	56	20	Below Cal	#	14
16) Acetone	2.636	43	7600	3.893	ug/l	97
18) Methyl Acetate	2.954	43	2283	0.350	ug/l	# 69
19) Methyl tert-butyl Ether	3.372	73	3979	0.446	ug/l	94
20) Methylene Chloride	3.047	84	1212	0.383	ug/l	94
29) Tetrahydrofuran	5.063	42	6963	3.736	ug/l	99
31) Cyclohexane	5.378	56	5114	1.029	ug/l	# 1
36) 1,1-Dichloropropene	5.378	75	18527	5.050	ug/l	# 50
38) Carbon Tetrachloride	5.378	117	20949	6.387	ug/l	# 15
41) Methacrylonitrile	5.060	41	4151	1.545	ug/l	# 46
70) Styrene	10.121	104	100	1.023	ug/l	# 25
76) 1,2,3-Trichloropropane	10.635	75	82926	19.032	ug/l	# 41
81) trans-1,4-Dichloro-2-b...	10.635	75	82926	61.652	ug/l	# 9
89) n-Butylbenzene	12.208	91	19	1.278	ug/l	# 33
95) Naphthalene	14.092	128	9469	1.785	ug/l	96

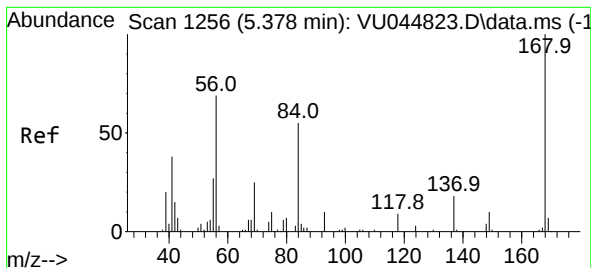
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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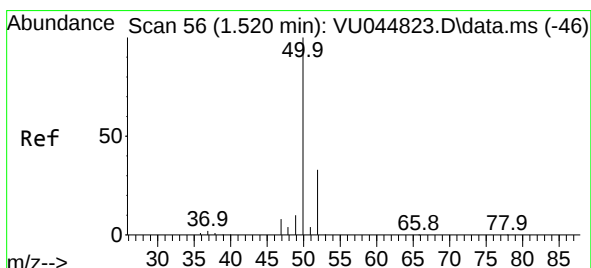
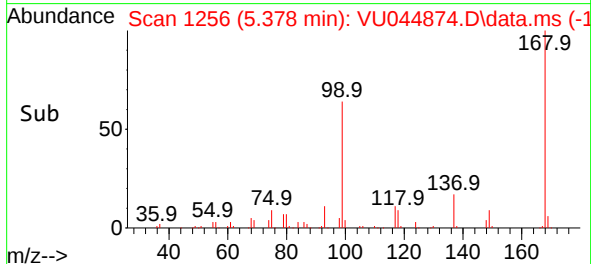
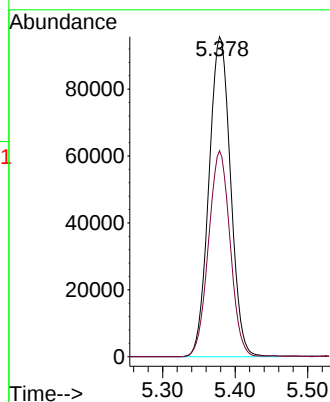
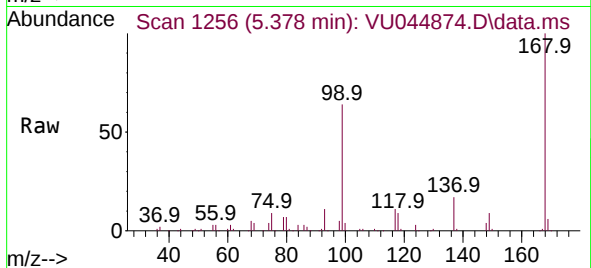




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

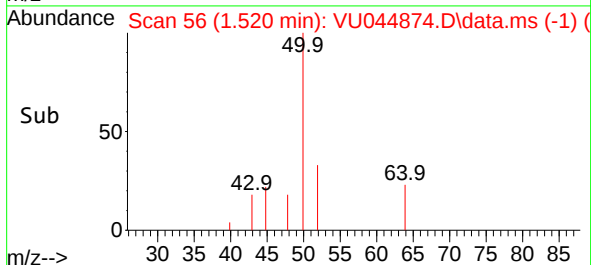
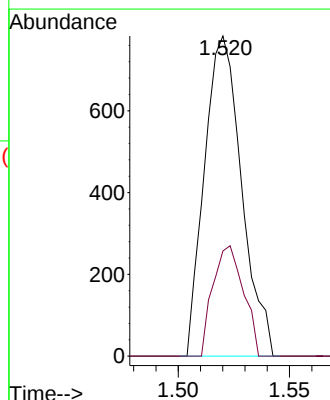
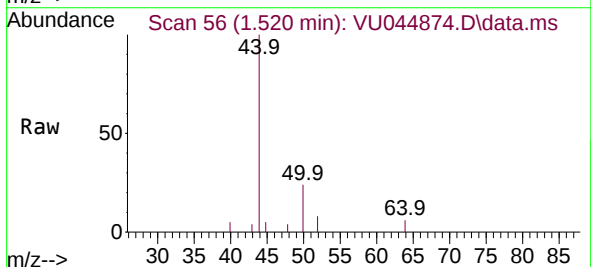
Instrument :
MSVOA_U
ClientSampled :
40457

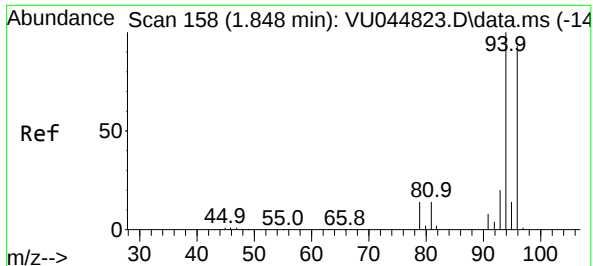
Tgt Ion:168 Resp: 198322
Ion Ratio Lower Upper
168 100
99 64.4 51.4 77.0



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion: 50 Resp: 908
Ion Ratio Lower Upper
50 100
52 32.8 26.3 39.5

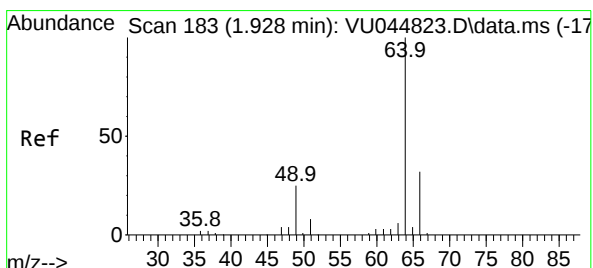
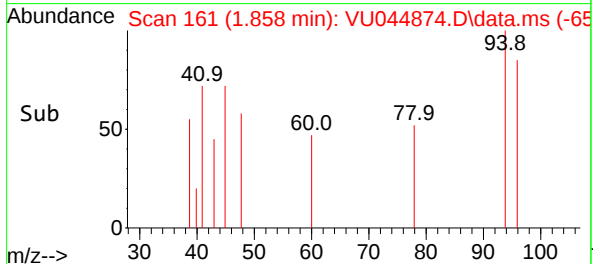
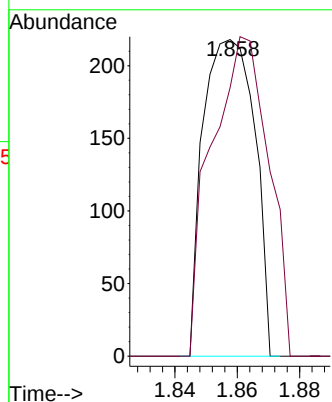
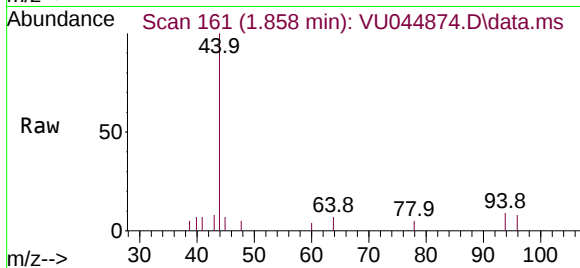




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.010 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

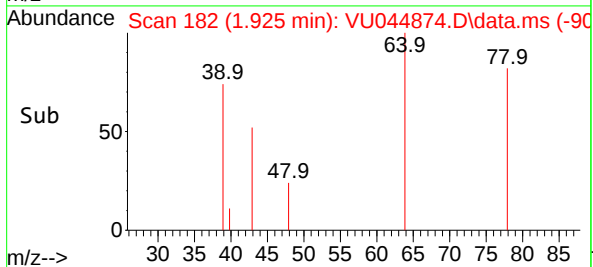
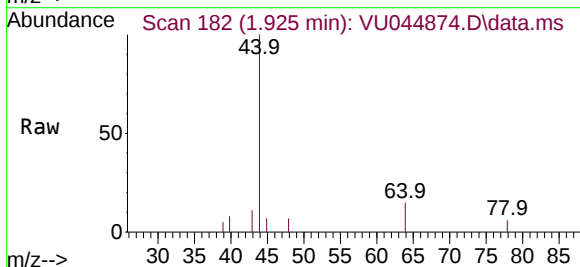
Instrument :
MSVOA_U
ClientSampleId :
40457

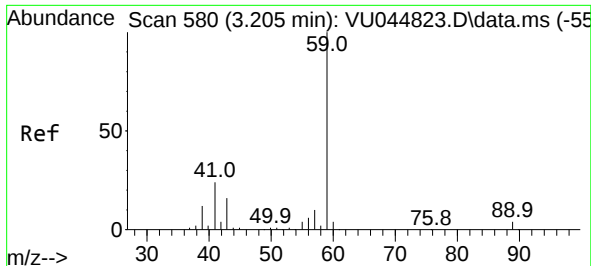
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 84.9 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion: 64 Resp: 71
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



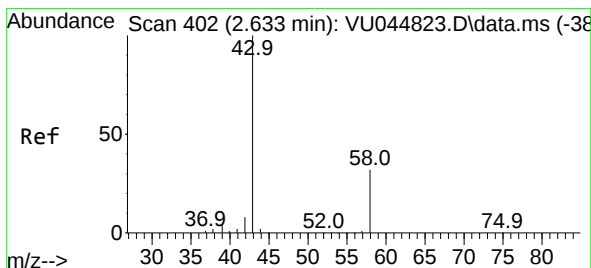
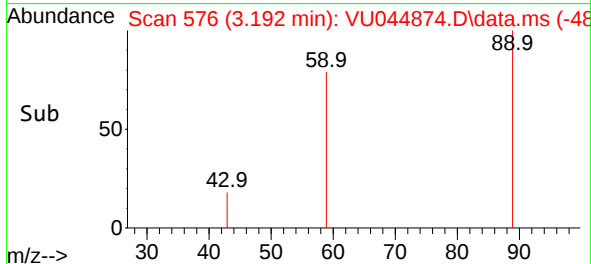
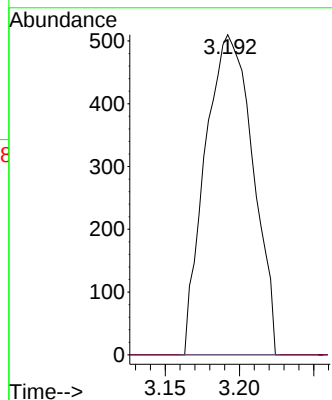
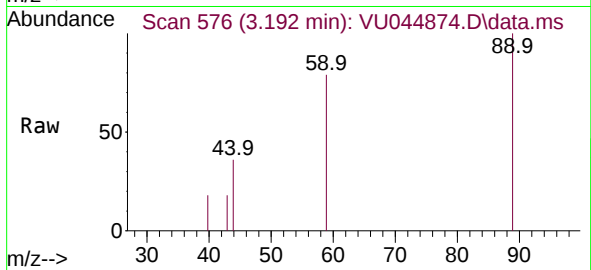


#11

Tert butyl alcohol
Concen: 1.128 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.013 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Instrument :
MSVOA_U
ClientSampleId :
40457

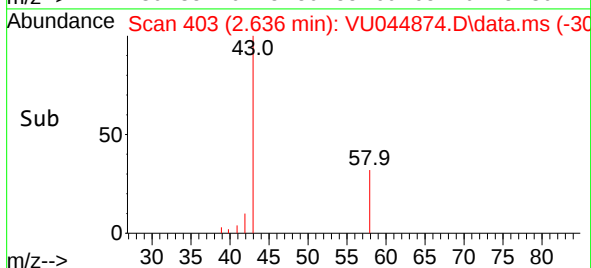
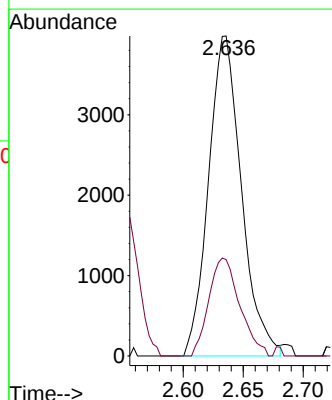
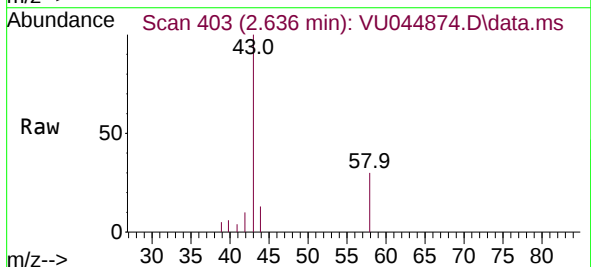
Tgt Ion: 59 Resp: 1140
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

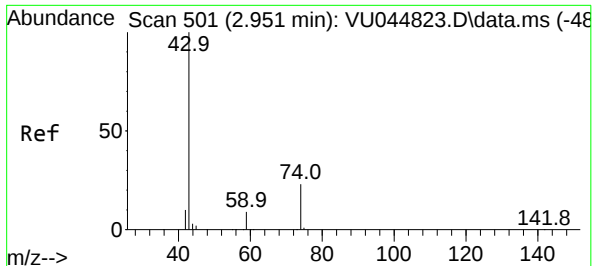


#16

Acetone
Concen: 3.893 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion: 43 Resp: 7600
Ion Ratio Lower Upper
43 100
58 30.1 25.2 37.8

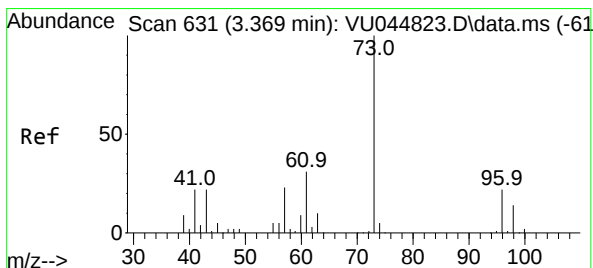
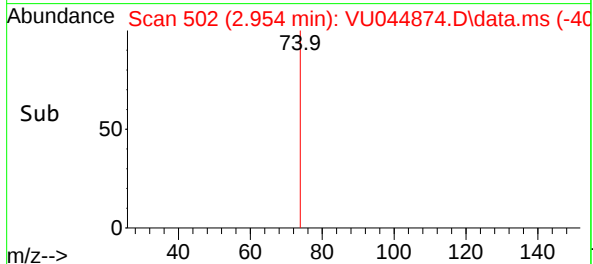
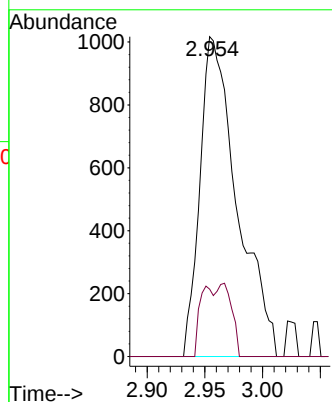
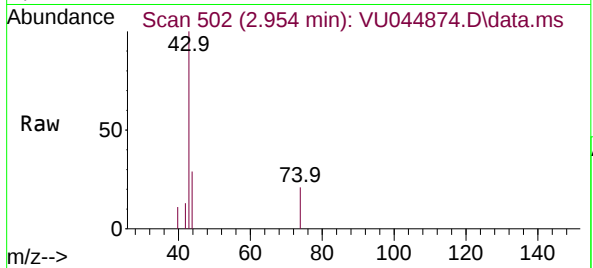




#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

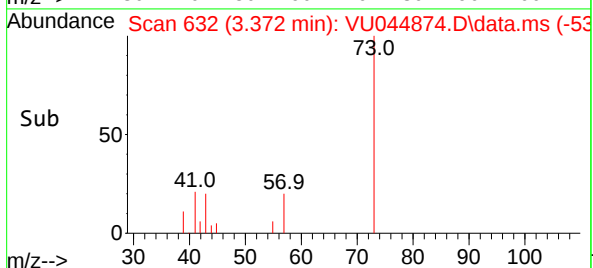
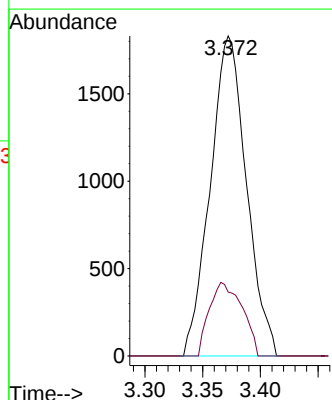
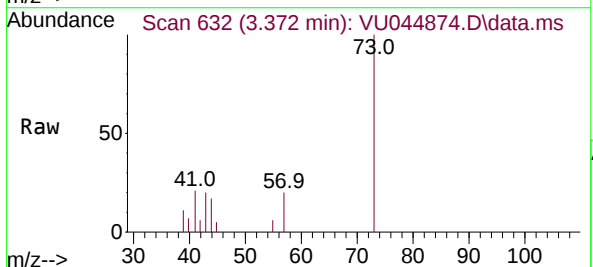
Instrument :
MSVOA_U
ClientSampled :
40457

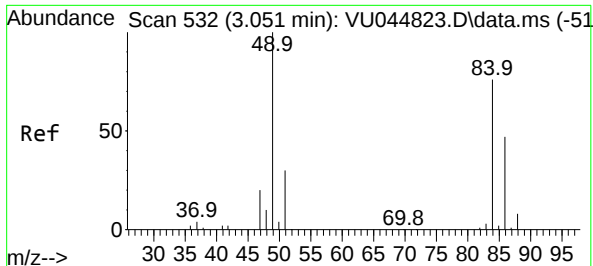
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
74 8.3 19.0 28.6#



#19
Methyl tert-butyl Ether
Concen: 0.446 ug/l
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion: 73 Resp: 3979
Ion Ratio Lower Upper
73 100
57 19.9 18.2 27.2





#20

Methylene Chloride

Concen: 0.383 ug/l

RT: 3.047 min Scan# 531

Delta R.T. -0.003 min

Lab File: VU044874.D

Acq: 26 Sep 2021 06:38

Instrument :
MSVOA_U
ClientSampled :
40457

Tgt Ion: 84 Resp: 1212

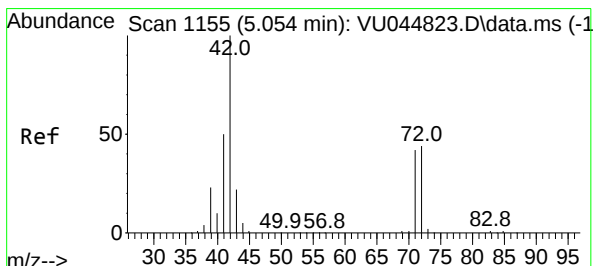
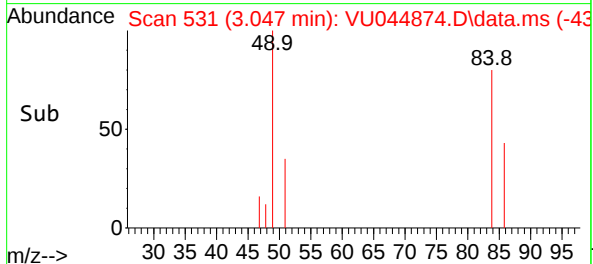
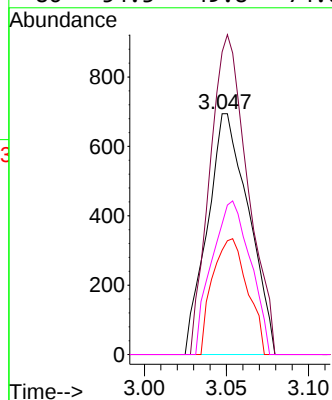
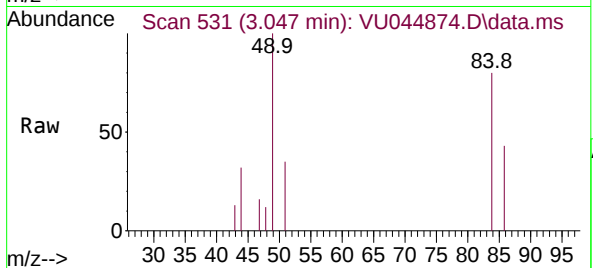
Ion Ratio Lower Upper

84 100

49 125.6 104.9 157.3

51 43.4 31.8 47.8

86 54.3 49.8 74.6



#29

Tetrahydrofuran

Concen: 3.736 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.010 min

Lab File: VU044874.D

Acq: 26 Sep 2021 06:38

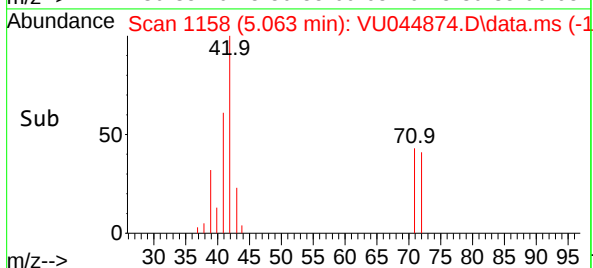
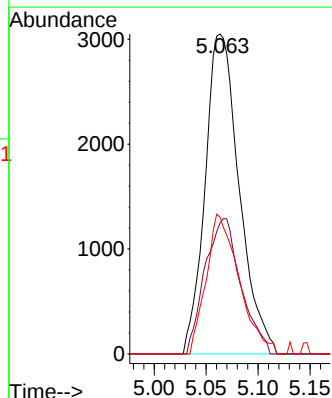
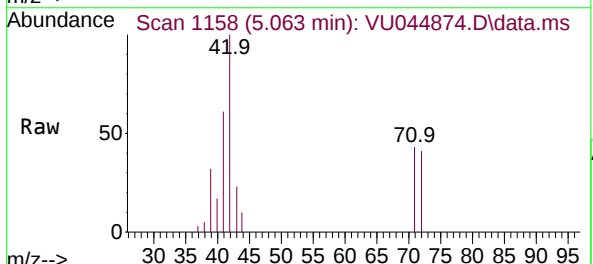
Tgt Ion: 42 Resp: 6963

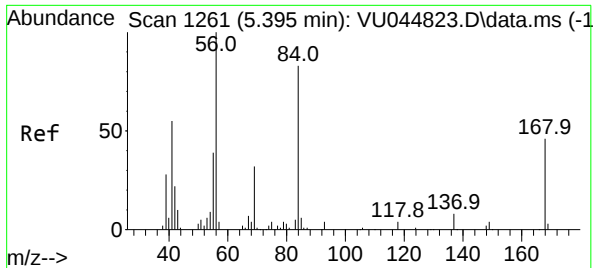
Ion Ratio Lower Upper

42 100

72 44.5 36.2 54.4

71 42.2 34.1 51.1

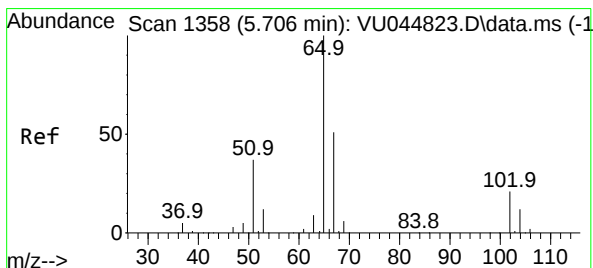
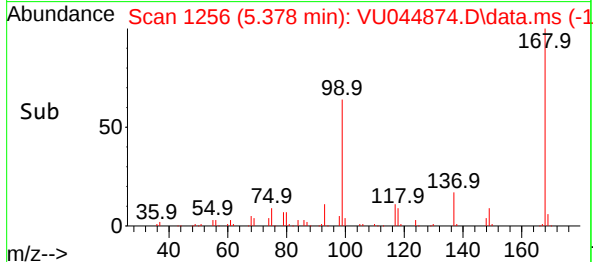
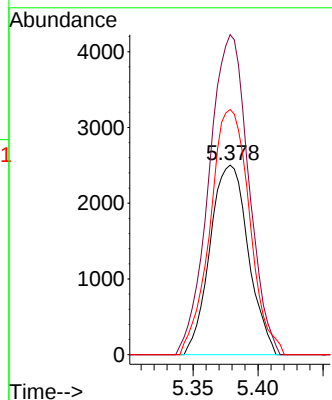
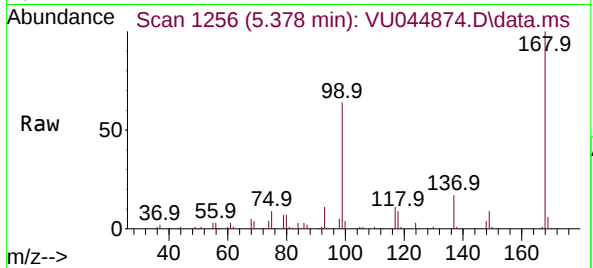




#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

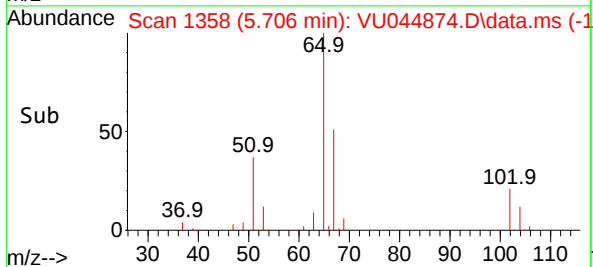
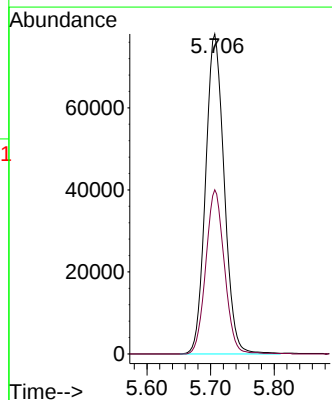
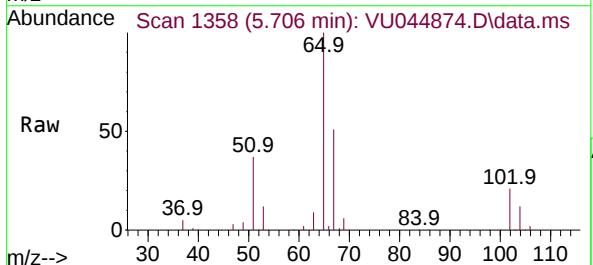
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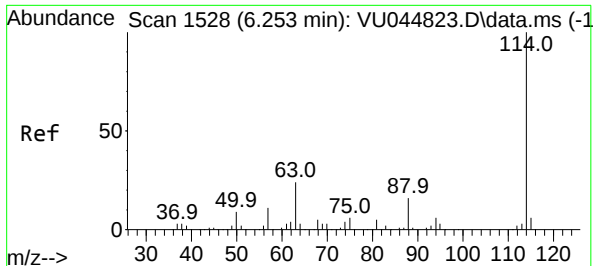
Tgt Ion: 56 Resp: 5114
Ion Ratio Lower Upper
56 100
69 168.8 25.2 37.8#
84 129.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.797 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion: 65 Resp: 158515
Ion Ratio Lower Upper
65 100
67 51.4 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: VU044874.D

Acq: 26 Sep 2021 06:38

Tgt Ion:114 Resp: 345778

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.8

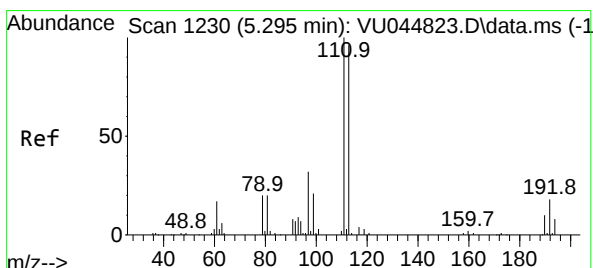
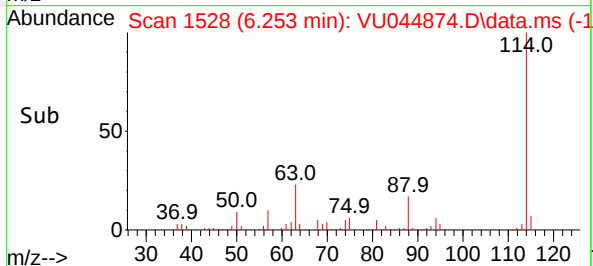
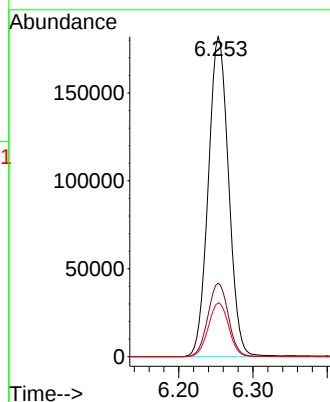
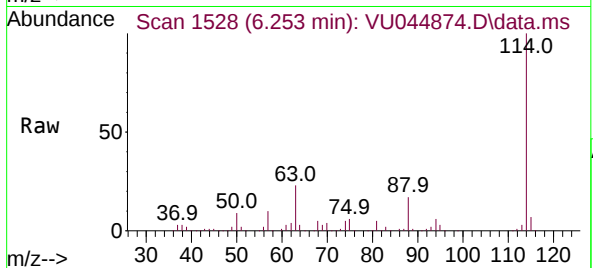
88 16.8 0.0 32.8

Instrument :

MSVOA_U

ClientSampleId :

40457



#35

Dibromofluoromethane

Concen: 46.185 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU044874.D

Acq: 26 Sep 2021 06:38

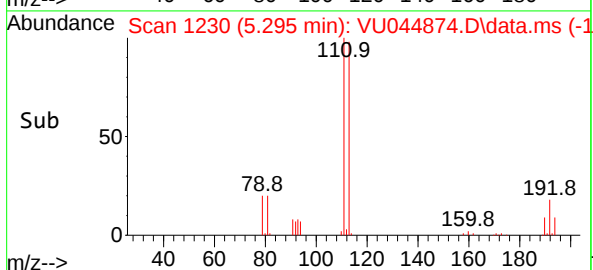
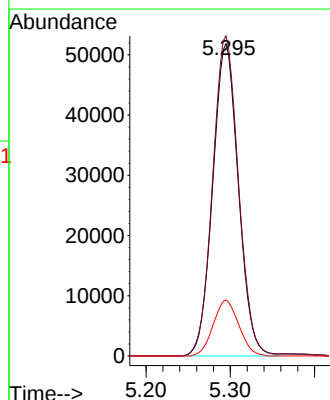
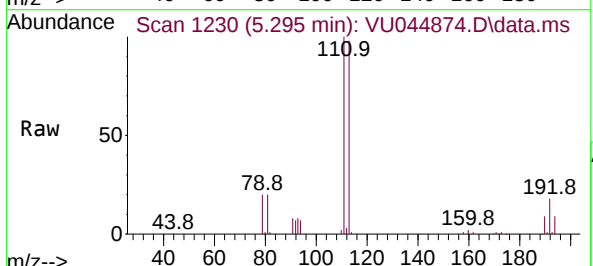
Tgt Ion:113 Resp: 109555

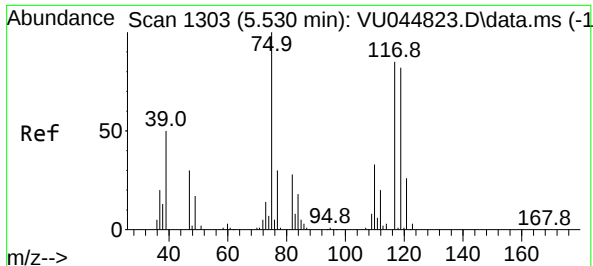
Ion Ratio Lower Upper

113 100

111 103.3 84.1 126.1

192 17.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.050 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU044874.D

Acq: 26 Sep 2021 06:38

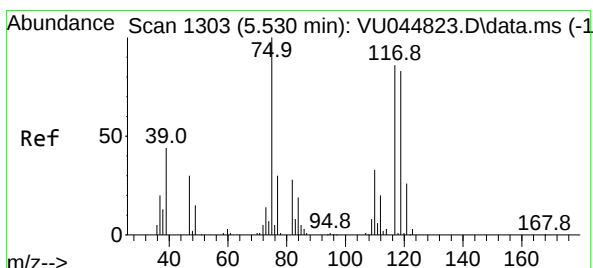
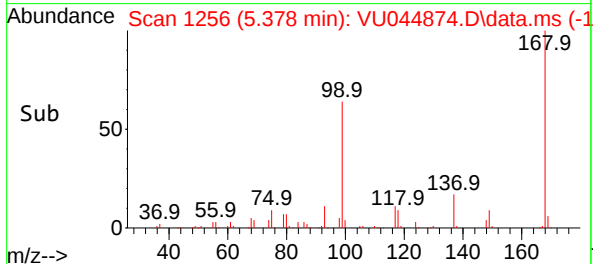
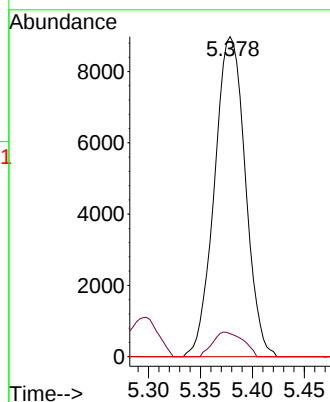
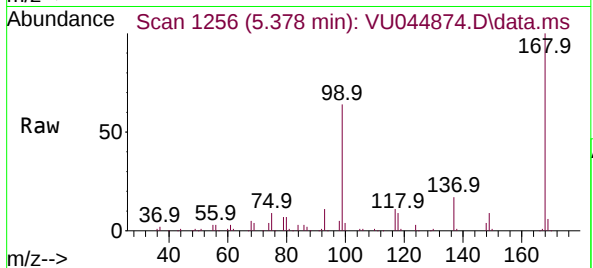
Instrument :

MSVOA_U

ClientSampled :

40457

Tgt Ion:	75	Resp:	18527
Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.3	48.9#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.387 ug/l

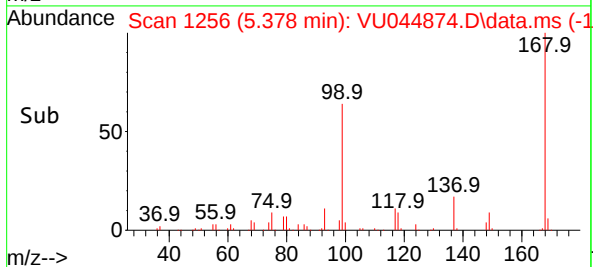
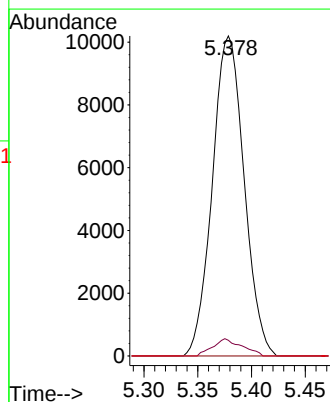
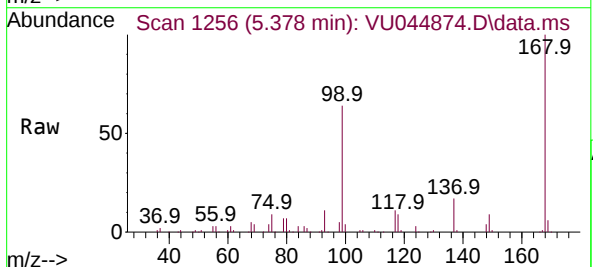
RT: 5.378 min Scan# 1256

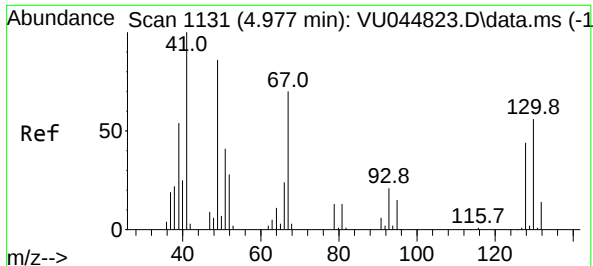
Delta R.T. -0.151 min

Lab File: VU044874.D

Acq: 26 Sep 2021 06:38

Tgt Ion:	117	Resp:	20949
Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.4	116.2#
121	0.0	24.5	36.7#





#41

Methacrylonitrile

Concen: 1.545 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.084 min

Lab File: VU044874.D

Acq: 26 Sep 2021 06:38

Tgt Ion: 41 Resp: 4151

Ion Ratio Lower Upper

41 100

39 48.5 44.4 66.6

67 0.0 58.1 87.1#

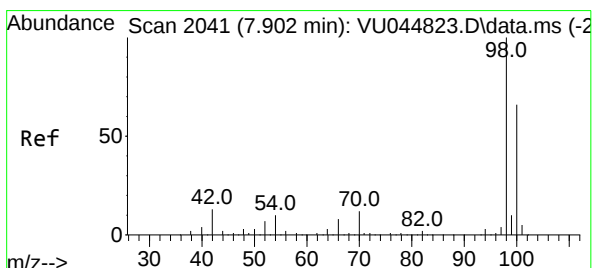
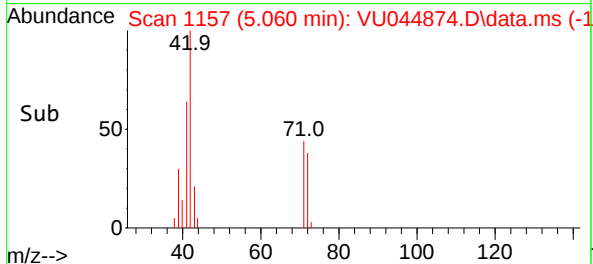
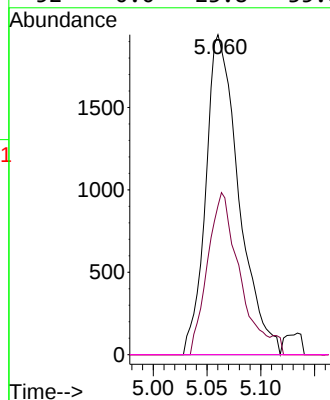
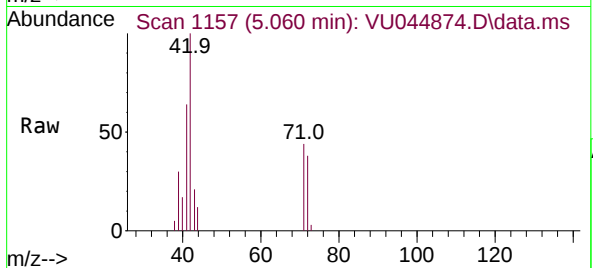
52 0.0 23.8 35.8#

Instrument :

MSVOA_U

ClientSampled :

40457



#50

Toluene-d8

Concen: 48.894 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VU044874.D

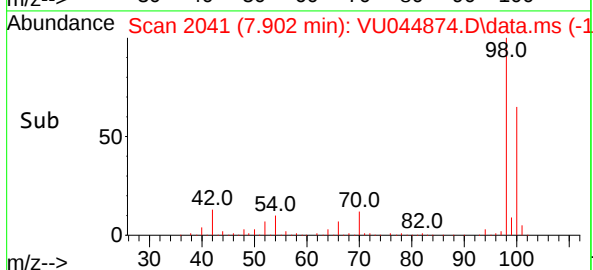
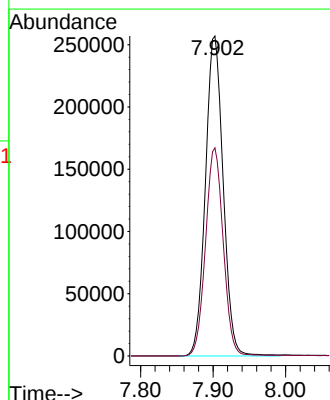
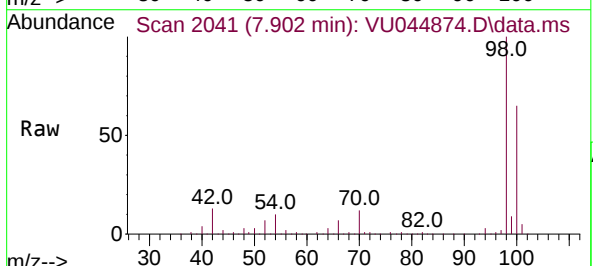
Acq: 26 Sep 2021 06:38

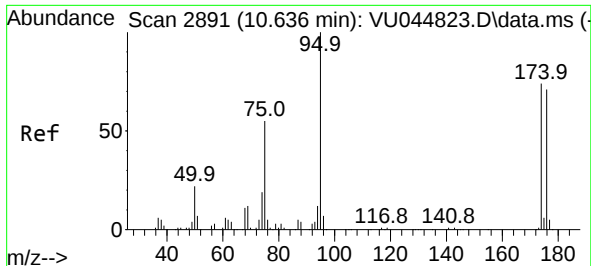
Tgt Ion: 98 Resp: 438033

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

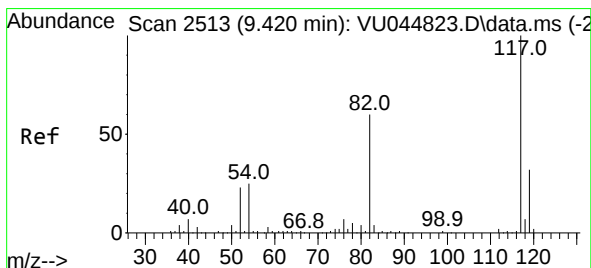
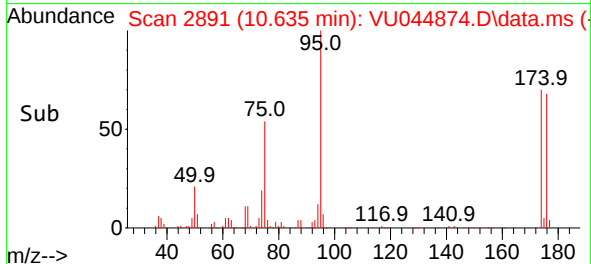
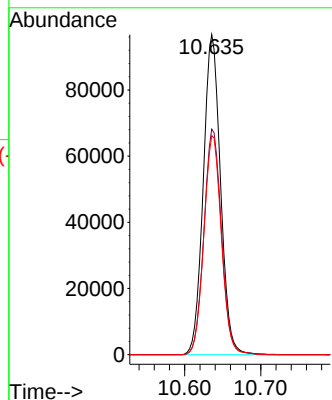
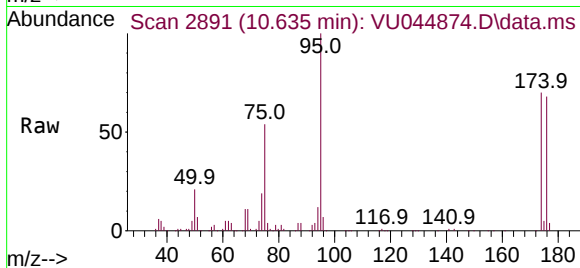




#62
4-Bromofluorobenzene
Concen: 45.778 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

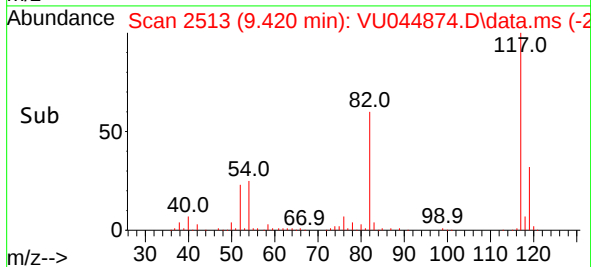
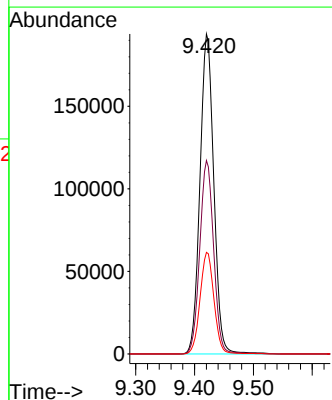
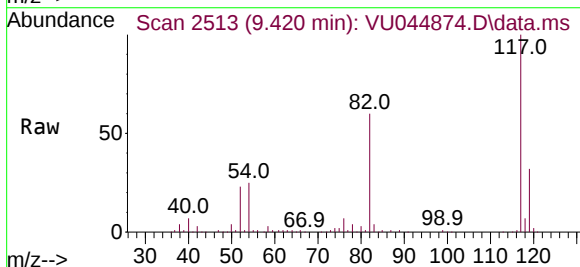
Instrument :
MSVOA_U
ClientSampleId :
40457

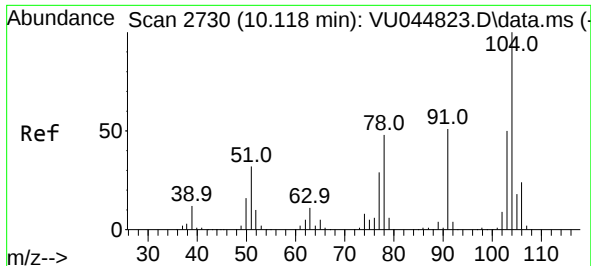
Tgt Ion: 95 Resp: 152328
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.6
176 69.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion: 117 Resp: 316723
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.7 25.8 38.6

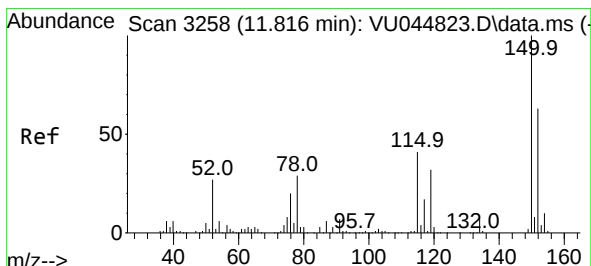
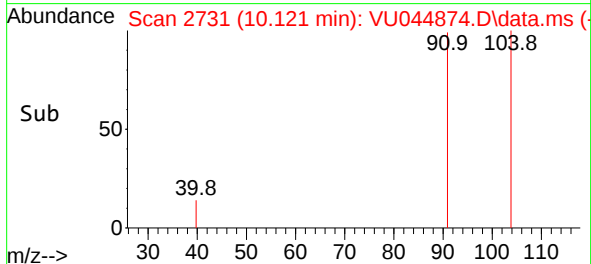
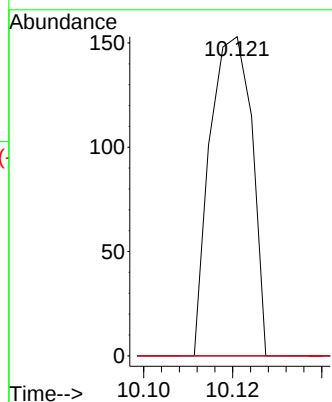
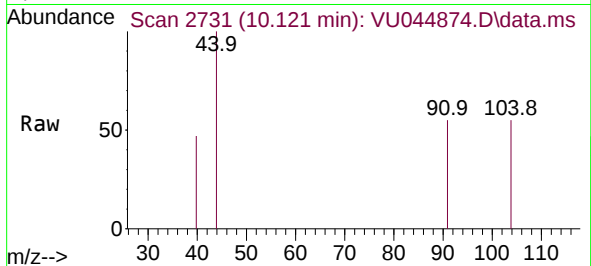




#70
Styrene
Concen: 1.023 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

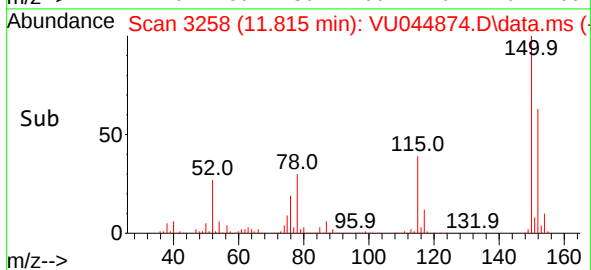
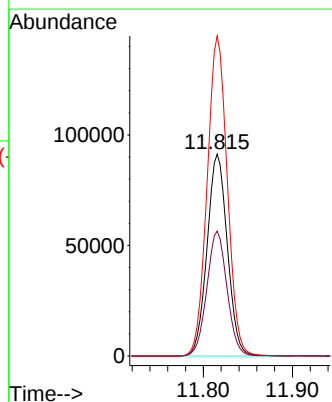
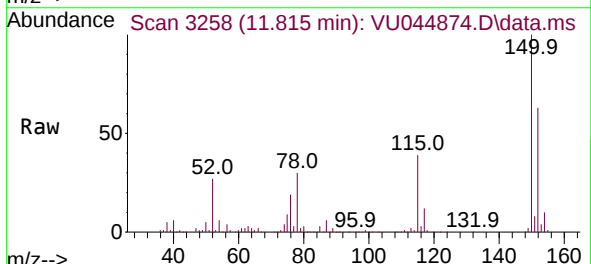
Instrument :
MSVOA_U
ClientSampled :
40457

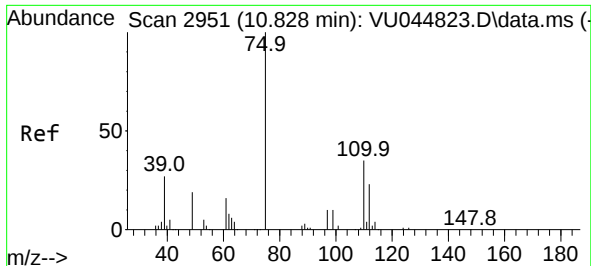
Tgt Ion:104 Resp: 100
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.0#
103 0.0 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion:152 Resp: 143891
Ion Ratio Lower Upper
152 100
115 61.6 43.5 130.7
150 157.6 0.0 350.0

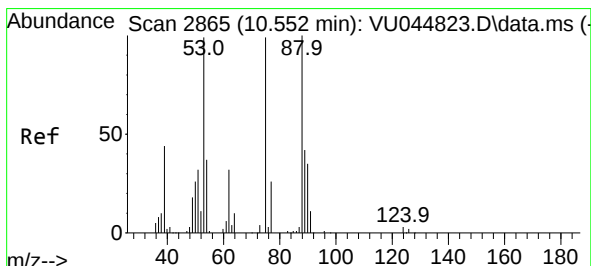
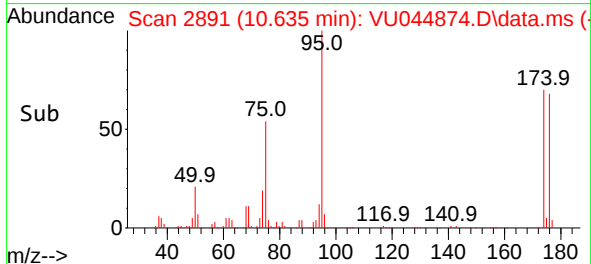
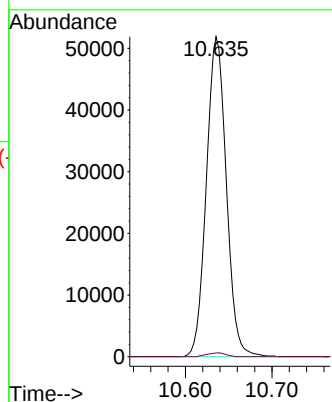
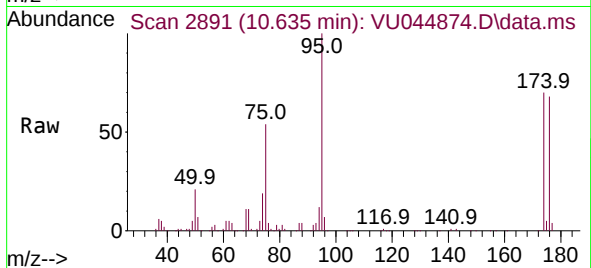




#76
1,2,3-Trichloropropane
Concen: 19.032 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

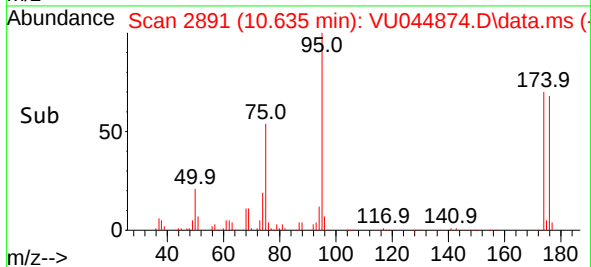
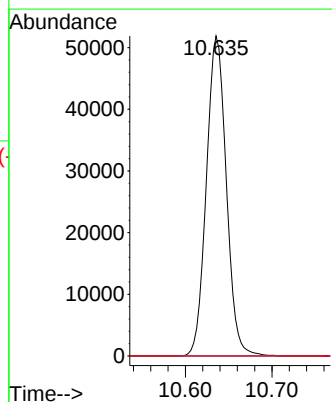
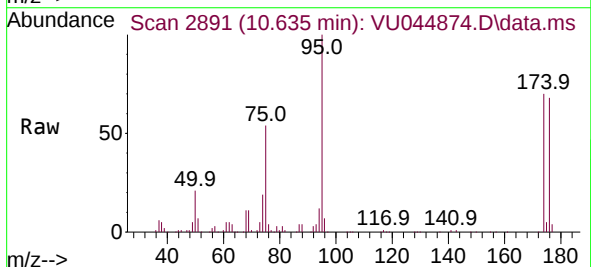
Instrument :
MSVOA_U
ClientSampled :
40457

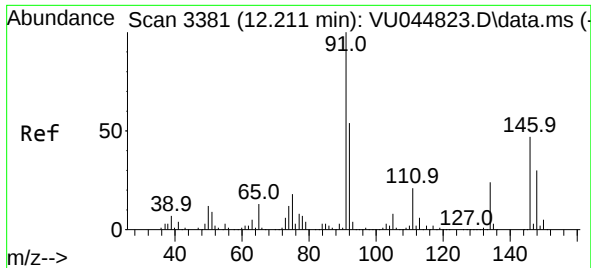
Tgt Ion: 75 Resp: 82926
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.652 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion: 75 Resp: 82926
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

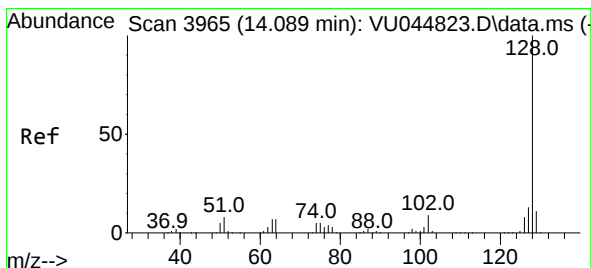
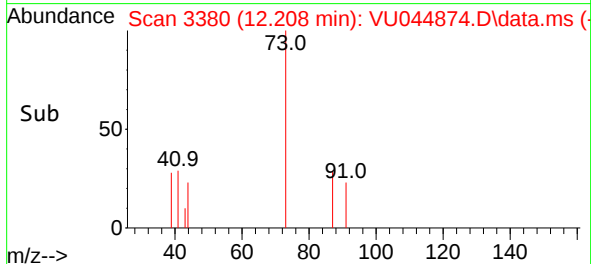
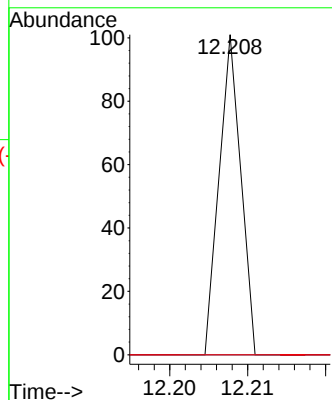
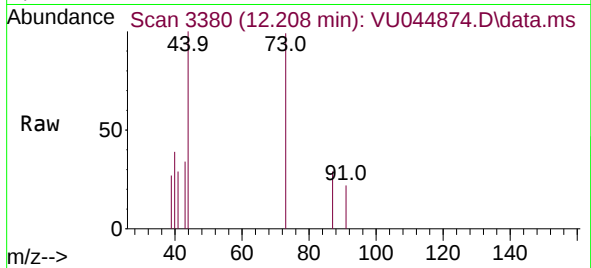




#89
n-Butylbenzene
Concen: 1.278 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Instrument :
MSVOA_U
ClientSampled :
40457

Tgt Ion:	91	Resp:	19
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.4#
134	0.0	11.8	35.4#



#95
Naphthalene
Concen: 1.785 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044874.D
Acq: 26 Sep 2021 06:38

Tgt Ion:	128	Resp:	9469
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.4	15.6
129	9.0	8.6	13.0

