

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
 Data File : VU045462.D
 Acq On : 29 Oct 2021 14:35
 Operator : SY/MD
 Sample : M4360-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 04:06:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.379	168	196193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	380467	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	374854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	179208	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	165448	51.798	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.600%	
35) Dibromofluoromethane	5.295	113	122242	50.530	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.060%	
50) Toluene-d8	7.903	98	491977	51.860	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.720%	
62) 4-Bromofluorobenzene	10.636	95	186134	51.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.980%	

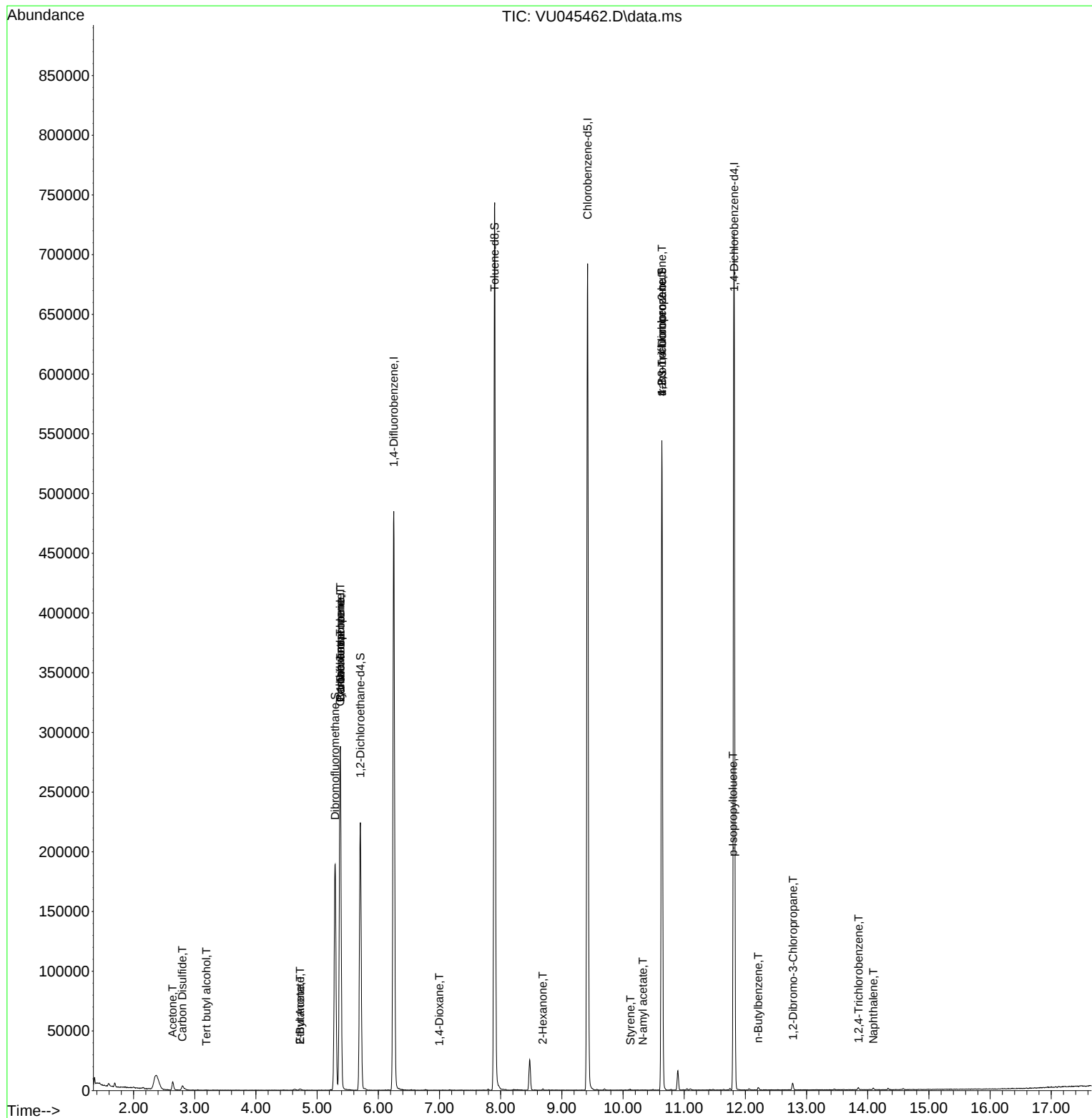
Target Compounds						Qvalue
11) Tert butyl alcohol	3.192	59	147	0.213	ug/l #	72
16) Acetone	2.639	43	8820	6.082	ug/l	98
17) Carbon Disulfide	2.797	76	1657	0.254	ug/l	99
25) 2-Butanone	4.719	43	1973	0.901	ug/l #	81
31) Cyclohexane	5.375	56	4667	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	17628	4.867	ug/l #	49
37) Ethyl Acetate	4.719	43	1973	0.450	ug/l #	67
38) Carbon Tetrachloride	5.379	117	19432	6.152	ug/l #	16
49) 1,4-Dioxane	6.996	88	62	0.779	ug/l #	13
59) 2-Hexanone	8.687	43	789	0.238	ug/l	87
70) Styrene	10.121	104	290	1.008	ug/l #	61
74) N-amyl acetate	10.324	43	42	1.162	ug/l #	40
76) 1,2,3-Trichloropropane	10.636	75	95847	20.073	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	95847	55.745	ug/l #	12
86) p-Isopropyltoluene	11.796	119	591	0.240	ug/l #	18
89) n-Butylbenzene	12.211	91	1061	1.031	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.780	75	242	0.210	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.851	180	768	0.206	ug/l	96
95) Naphthalene	14.092	128	1547	0.205	ug/l #	83

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

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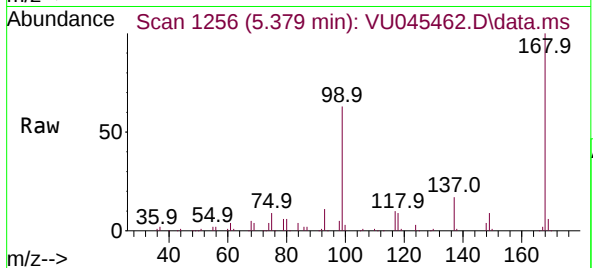
Quant Time: Oct 30 04:06:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
Quant Title : SW846 8260
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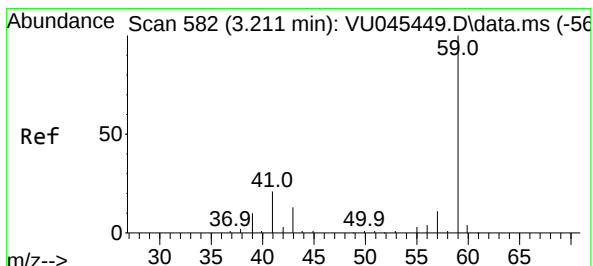
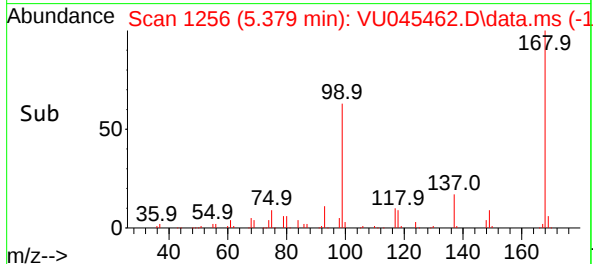
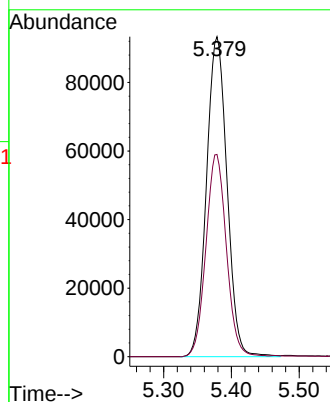


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Instrument :
MSVOA_U
ClientSampleId :

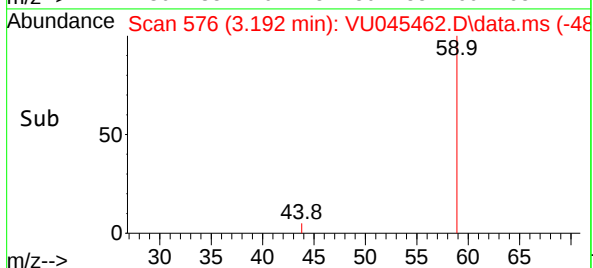
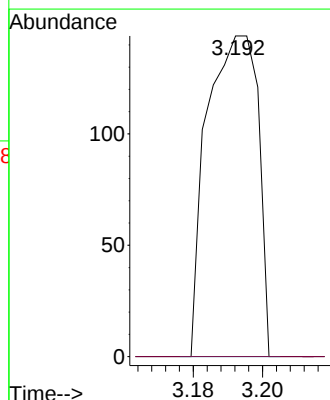
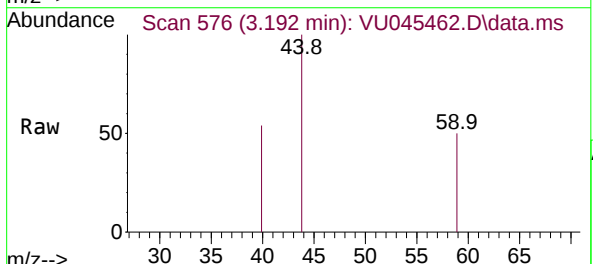


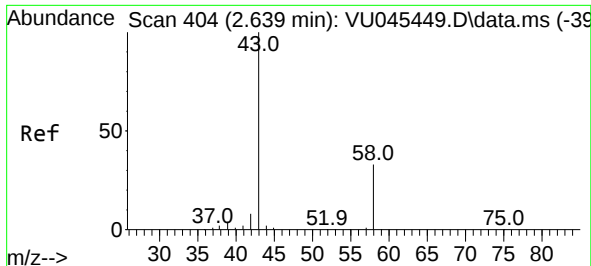
Tgt Ion:168 Resp: 196193
Ion Ratio Lower Upper
168 100
99 63.2 51.0 76.6



#11
Tert butyl alcohol
Concen: 0.213 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.019 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 6.082 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

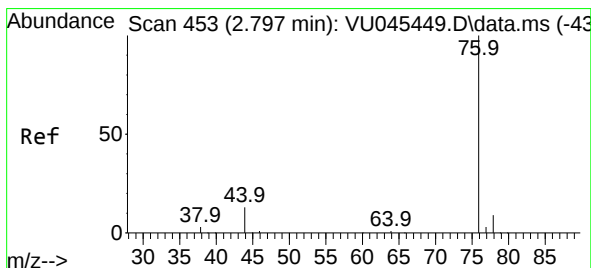
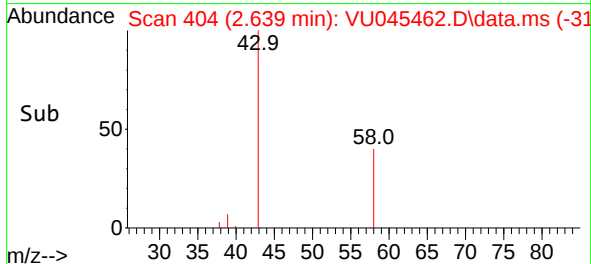
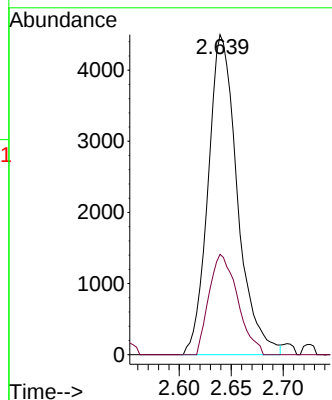
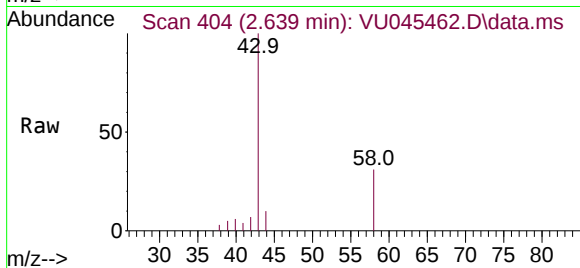
ClientSampleId :

Tgt Ion: 43 Resp: 8820

Ion Ratio Lower Upper

43 100

58 31.4 26.2 39.2



#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU045462.D

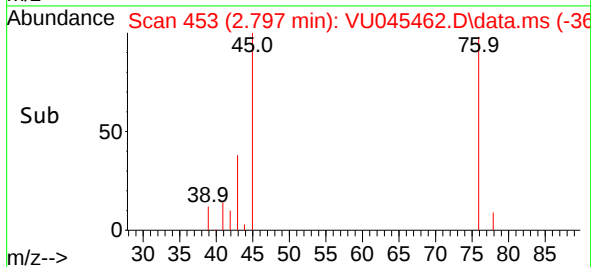
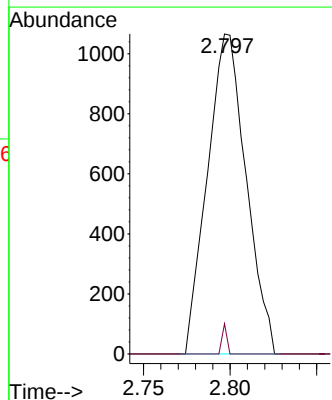
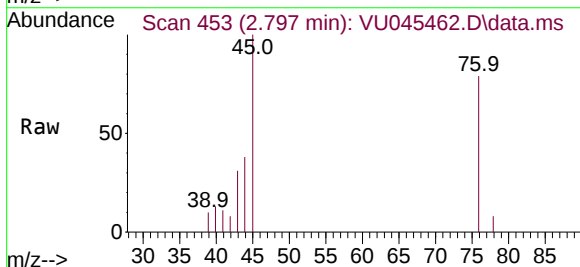
Acq: 29 Oct 2021 14:35

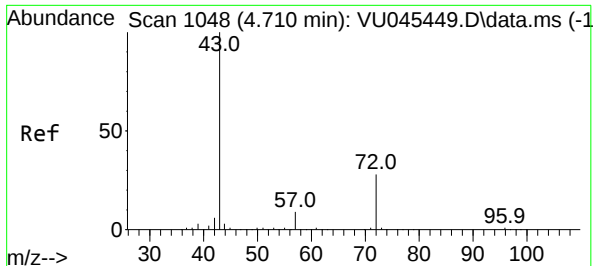
Tgt Ion: 76 Resp: 1657

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#25

2-Butanone

Concen: 0.901 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.010 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

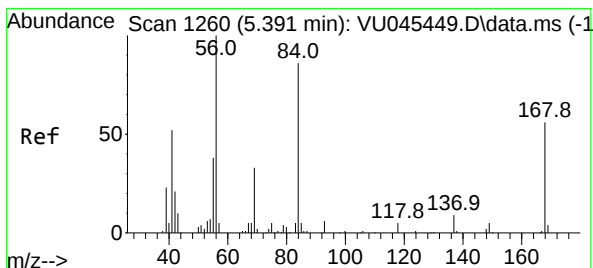
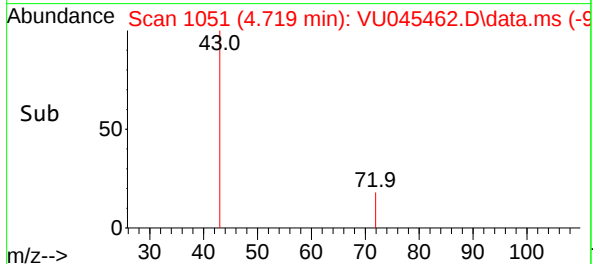
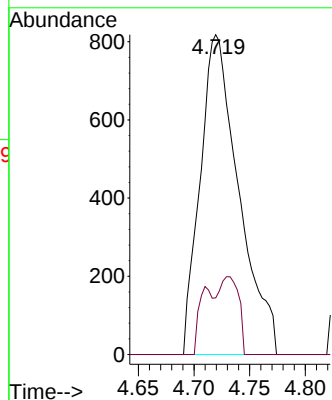
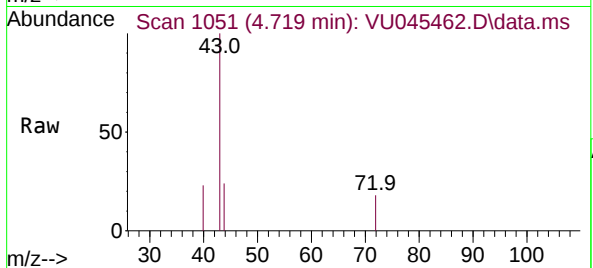
ClientSampleId :

Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

72 17.7 22.0 33.0#



#31

Cyclohexane

Concen: 0.981 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

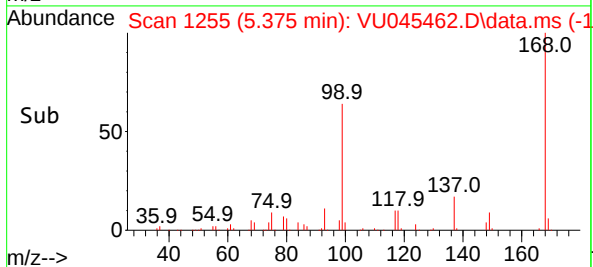
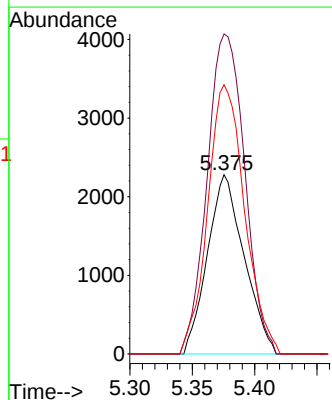
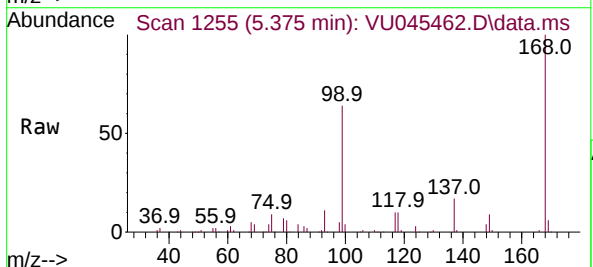
Tgt Ion: 56 Resp: 4667

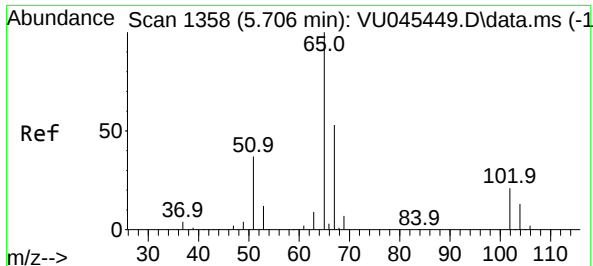
Ion Ratio Lower Upper

56 100

69 178.5 26.4 39.6#

84 150.2 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 51.798 ug/l

RT: 5.707 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

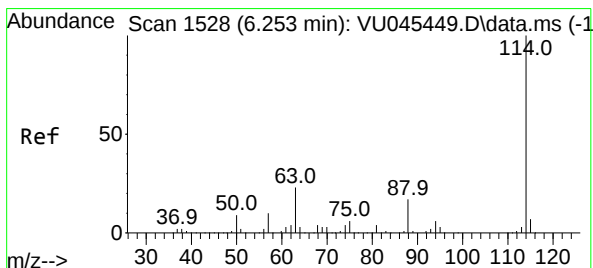
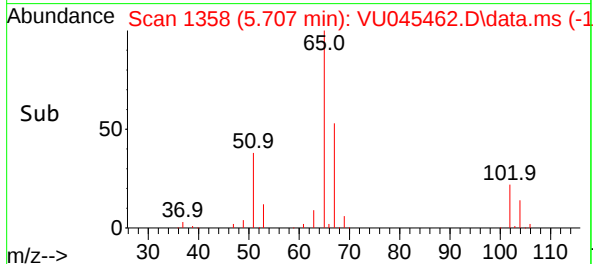
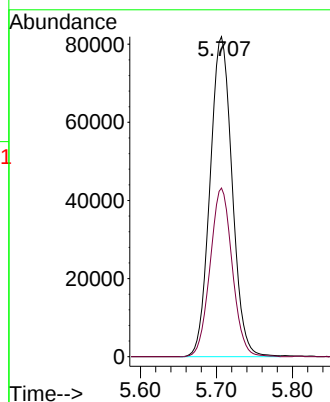
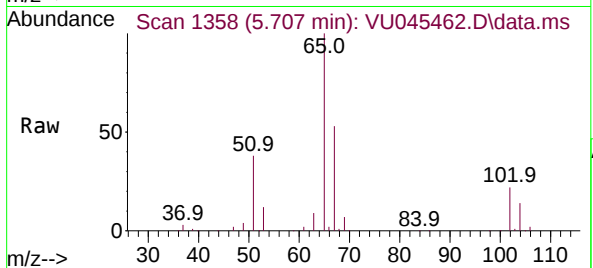
ClientSampleId :

Tgt Ion: 65 Resp: 165448

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

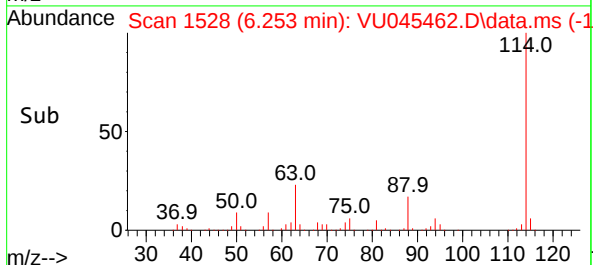
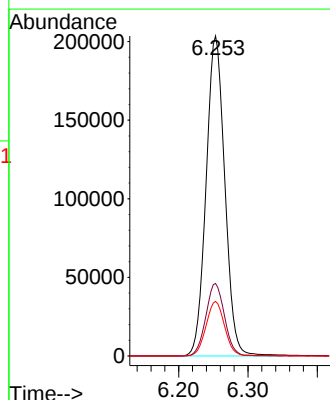
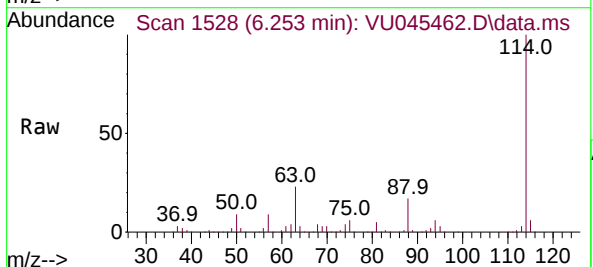
Tgt Ion: 114 Resp: 380467

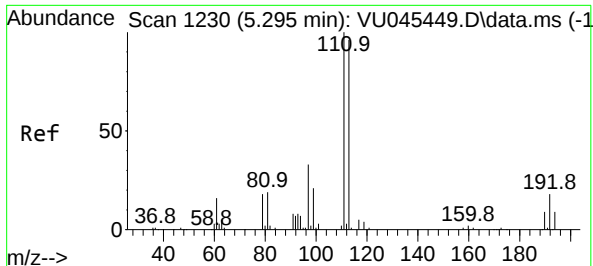
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

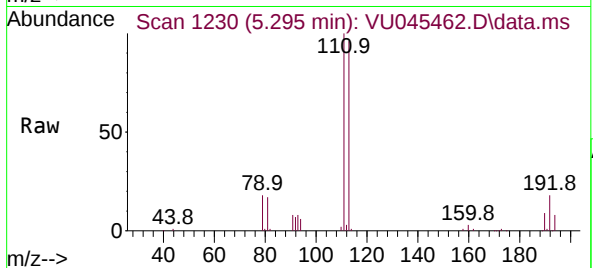
88 17.0 0.0 33.8



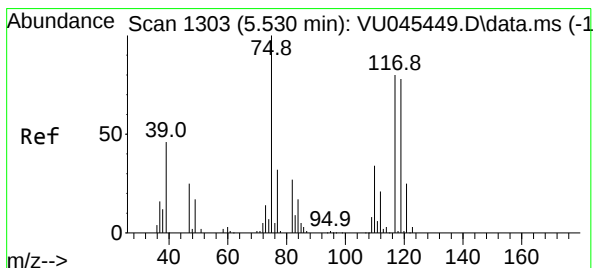
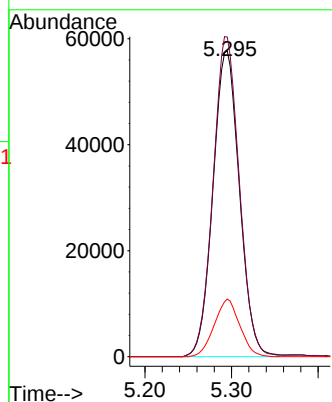
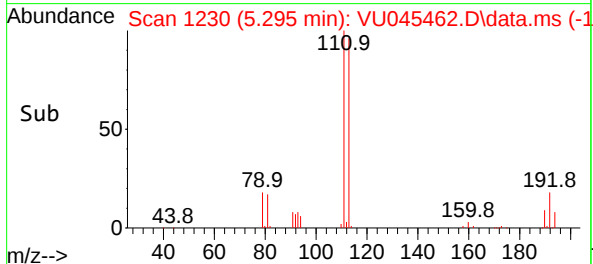


#35
Dibromofluoromethane
Concen: 50.530 ug/l
RT: 5.295 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Instrument :
MSVOA_U
ClientSampleId :

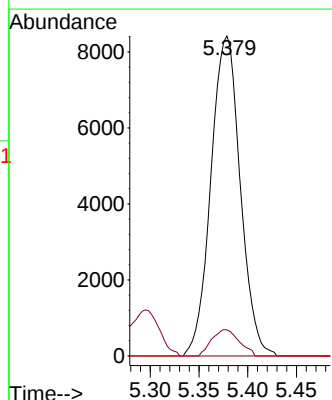
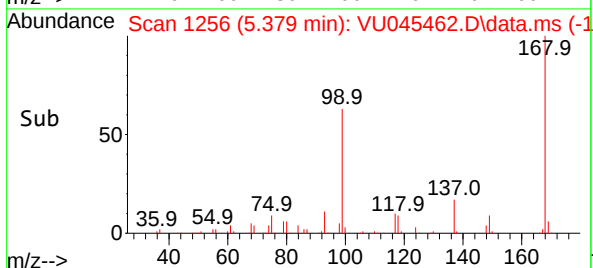
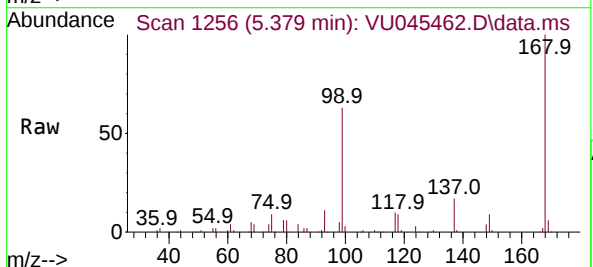


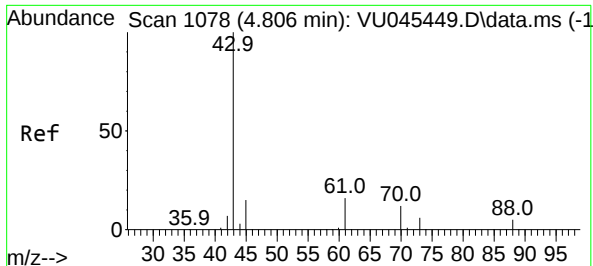
Tgt Ion:113 Resp: 122242
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.867 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

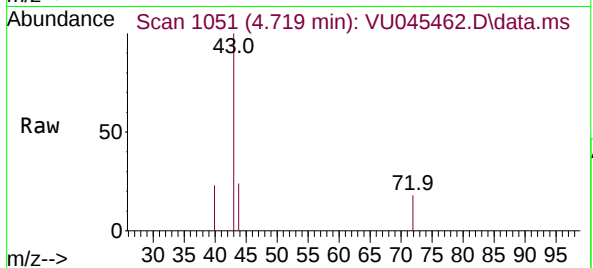
Tgt Ion: 75 Resp: 17628
Ion Ratio Lower Upper
75 100
110 7.7 16.7 50.0#
77 0.0 25.0 37.4#



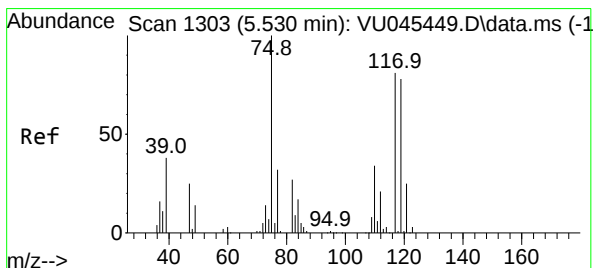
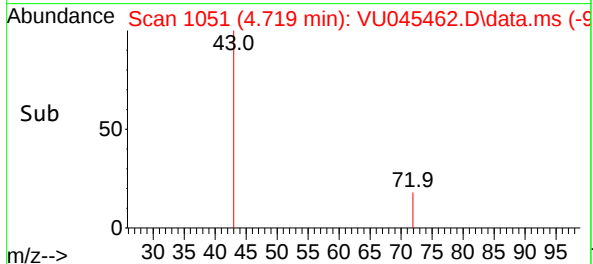
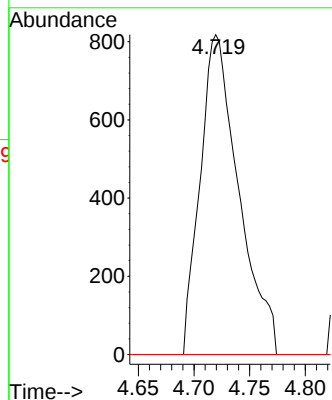


#37
Ethyl Acetate
Concen: 0.450 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.087 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Instrument :
MSVOA_U
ClientSampleId :

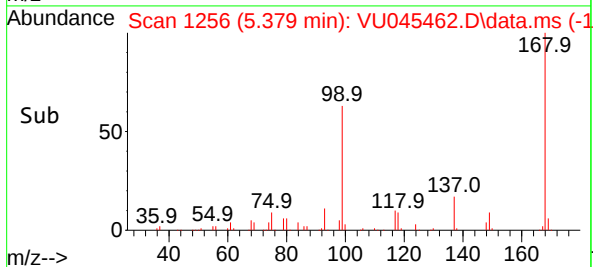
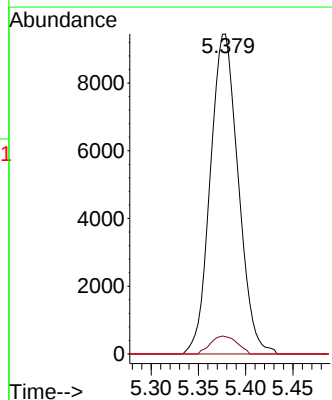
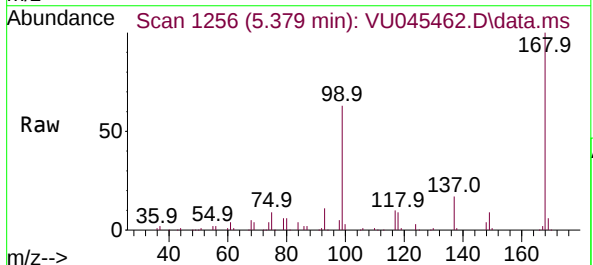


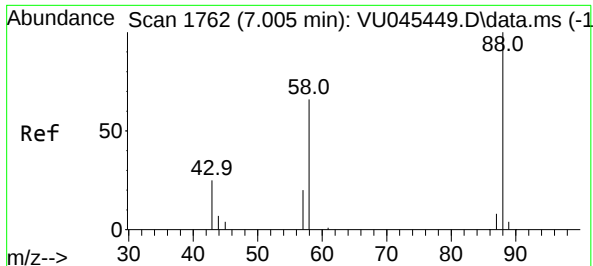
Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 6.152 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 117 Resp: 19432
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 0.779 ug/l

RT: 6.996 min Scan# 1759

Delta R.T. -0.010 min

Lab File: VU045462.D

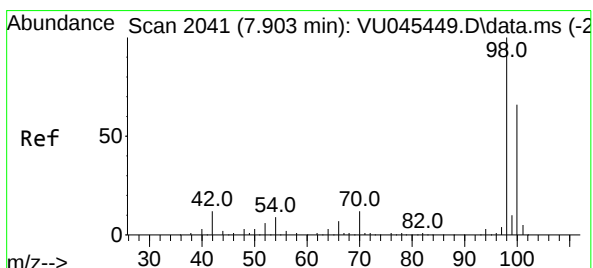
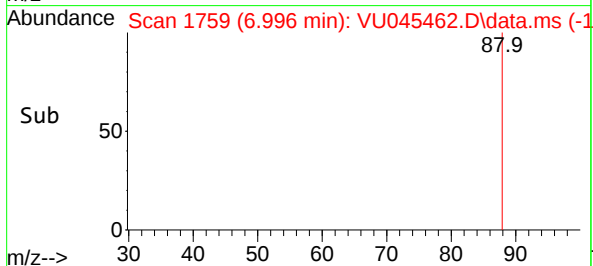
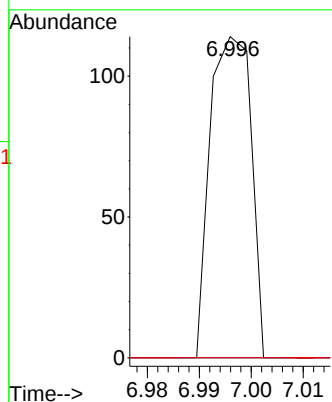
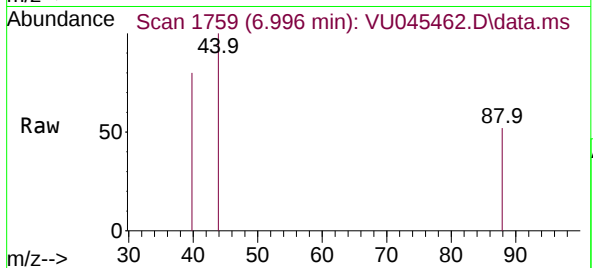
Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 88	Resp: 62
Ion Ratio	Lower Upper
88	100
43	0.0 0.0 0.0
58	0.0 58.7 88.1#



#50

Toluene-d8

Concen: 51.860 ug/l

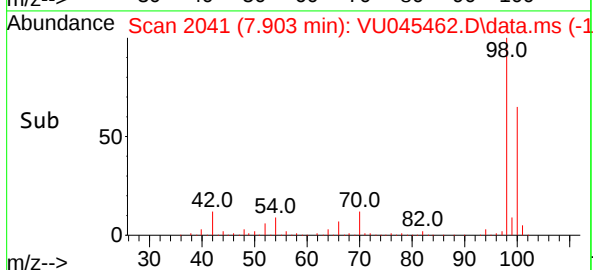
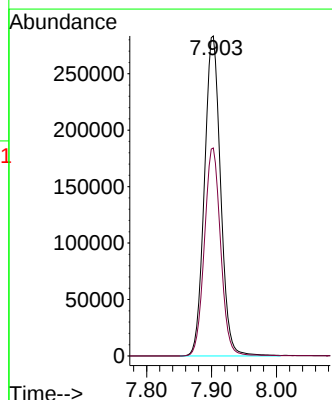
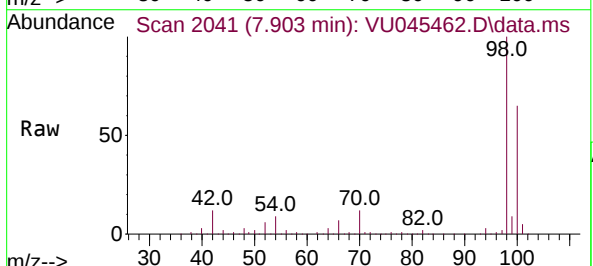
RT: 7.903 min Scan# 2041

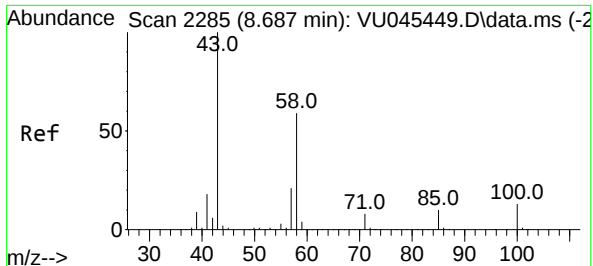
Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Tgt Ion: 98	Resp: 491977
Ion Ratio	Lower Upper
98	100
100	65.3 52.5 78.7





#59

2-Hexanone

Concen: 0.238 ug/l

RT: 8.687 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

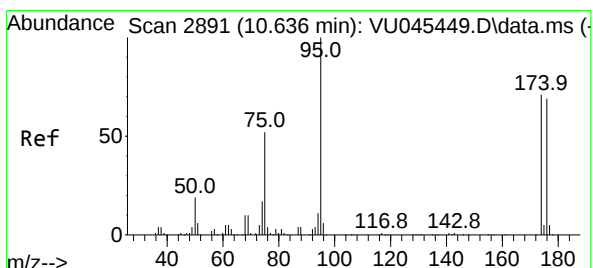
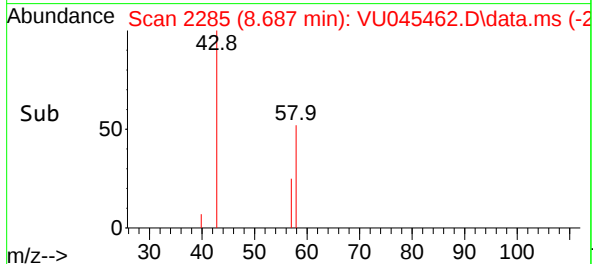
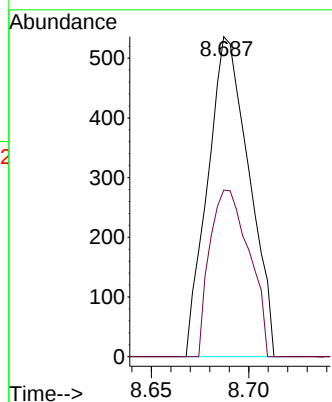
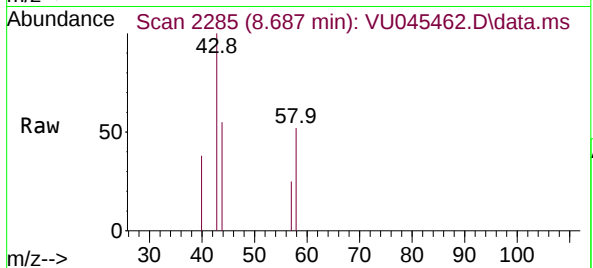
ClientSampleId :

Tgt Ion: 43 Resp: 789

Ion Ratio Lower Upper

43 100

58 49.7 29.5 88.6



#62

4-Bromofluorobenzene

Concen: 51.490 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

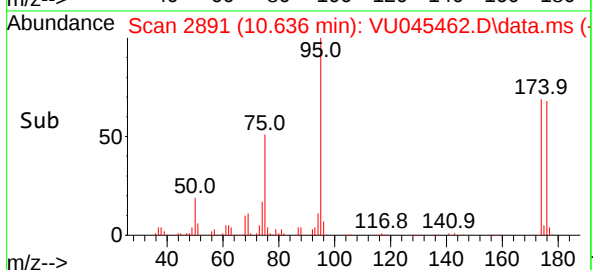
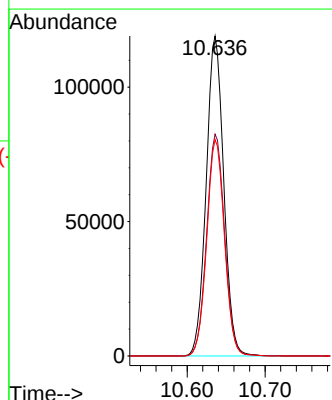
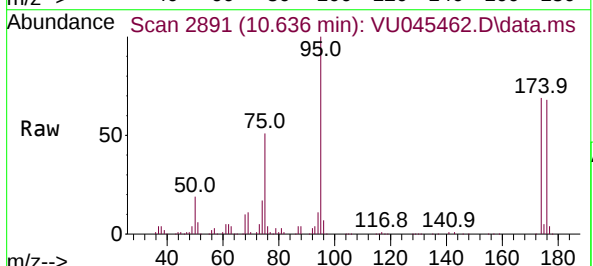
Tgt Ion: 95 Resp: 186134

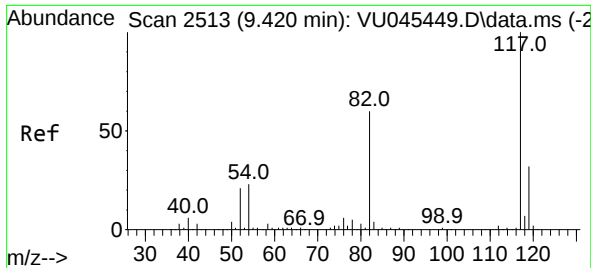
Ion Ratio Lower Upper

95 100

174 70.9 0.0 141.8

176 68.1 0.0 138.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :

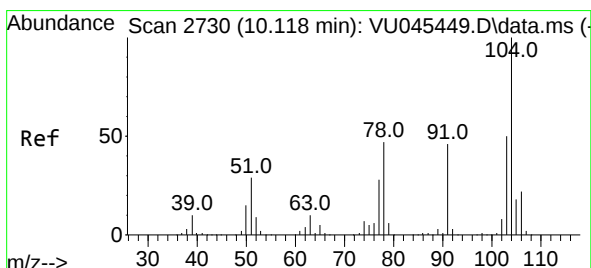
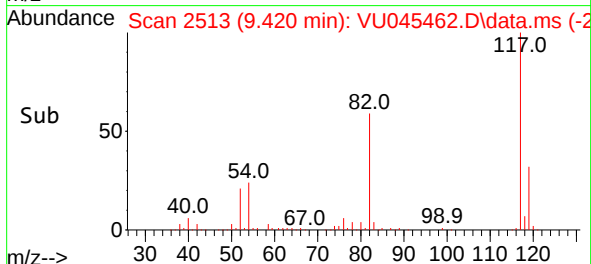
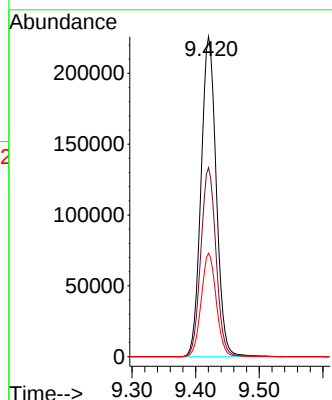
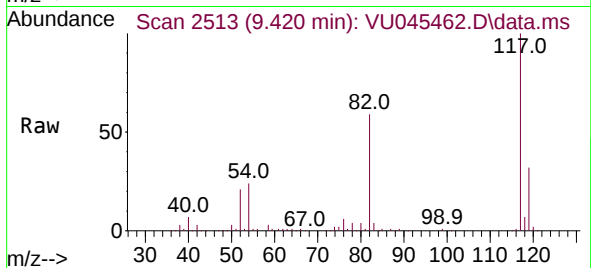
Tgt Ion:117 Resp: 374854

Ion Ratio Lower Upper

117 100

82 59.1 47.8 71.8

119 32.4 25.8 38.8



#70

Styrene

Concen: 1.008 ug/l

RT: 10.121 min Scan# 2731

Delta R.T. 0.003 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

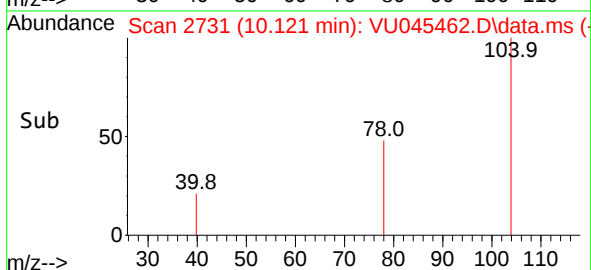
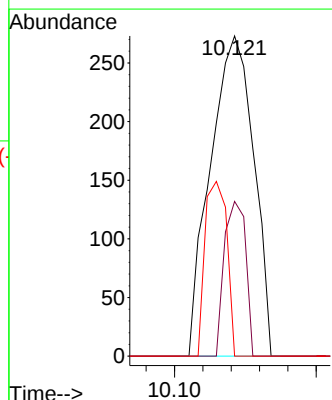
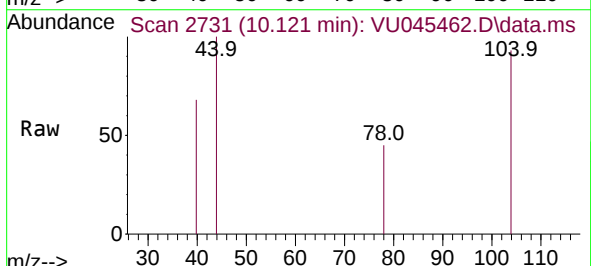
Tgt Ion:104 Resp: 290

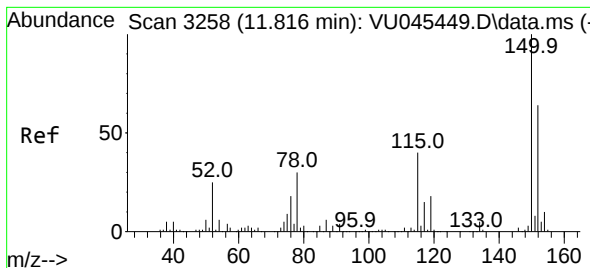
Ion Ratio Lower Upper

104 100

78 23.8 41.8 62.6#

103 27.2 43.8 65.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.816 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :

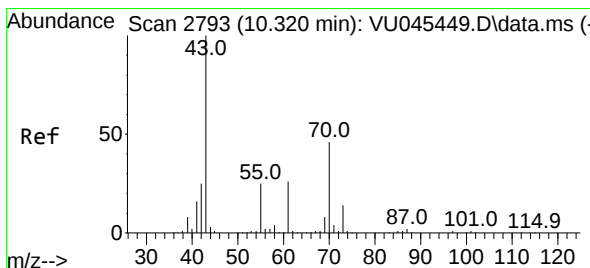
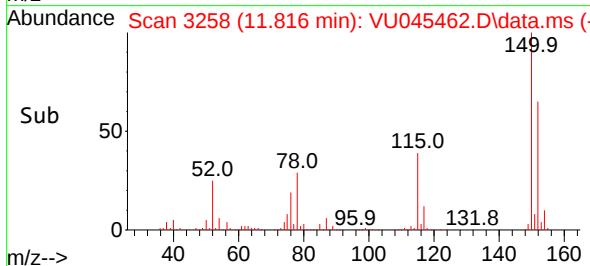
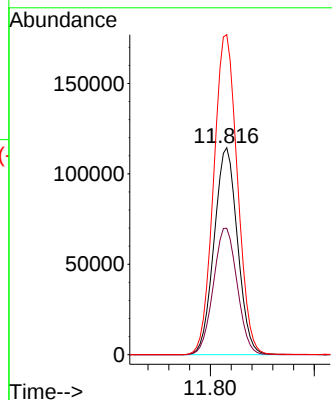
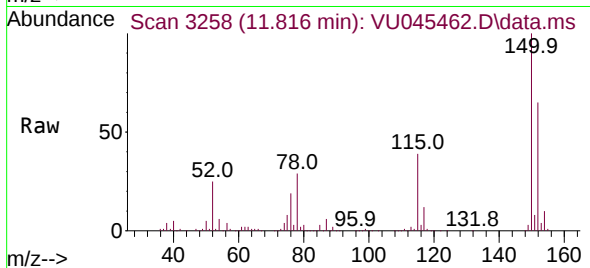
Tgt Ion:152 Resp: 179208

Ion Ratio Lower Upper

152 100

115 62.3 42.7 128.1

150 157.2 0.0 346.8



#74

N-ethyl acetate

Concen: 1.162 ug/l

RT: 10.324 min Scan# 2794

Delta R.T. 0.004 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Tgt Ion: 43 Resp: 42

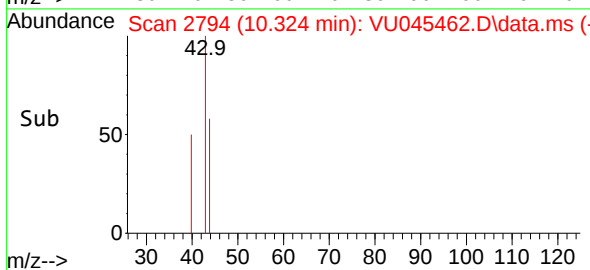
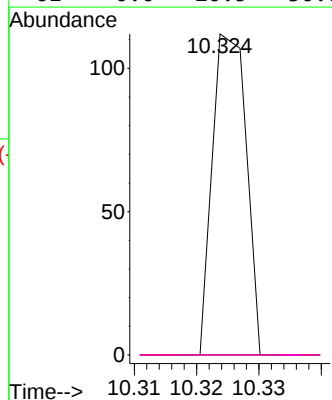
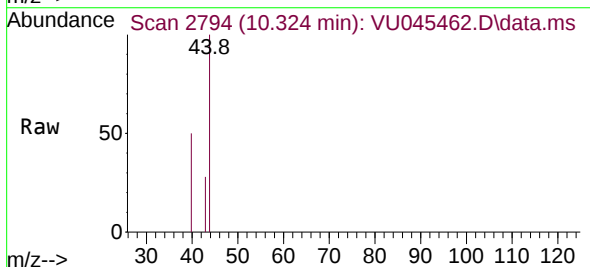
Ion Ratio Lower Upper

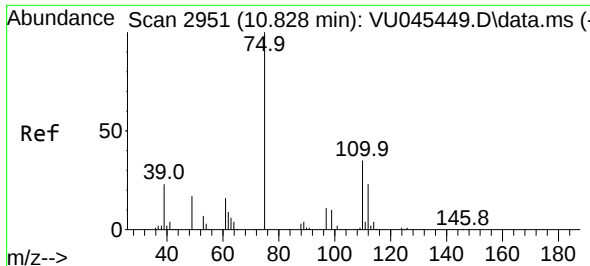
43 100

70 0.0 36.9 55.3#

55 0.0 20.6 31.0#

61 0.0 20.5 30.7#

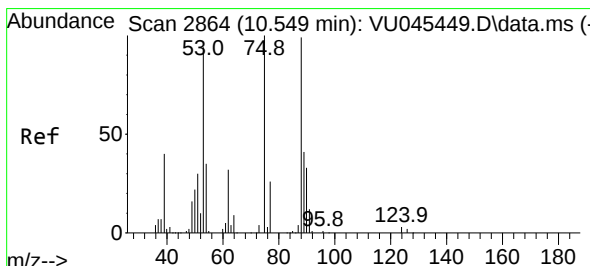
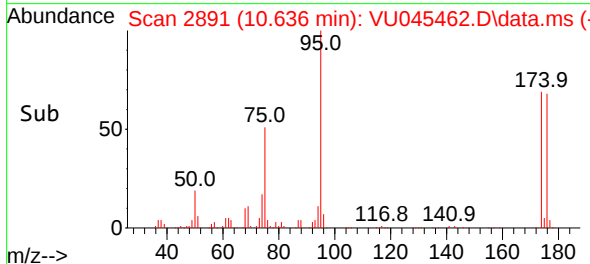
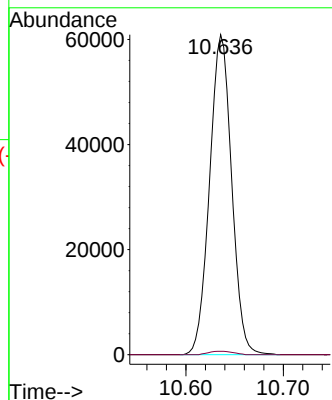
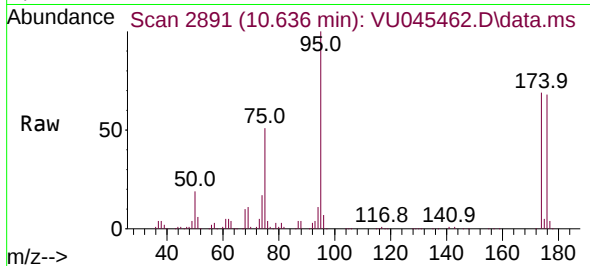




#76
1,2,3-Trichloropropane
Concen: 20.073 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

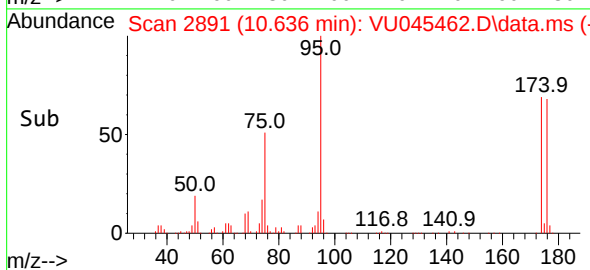
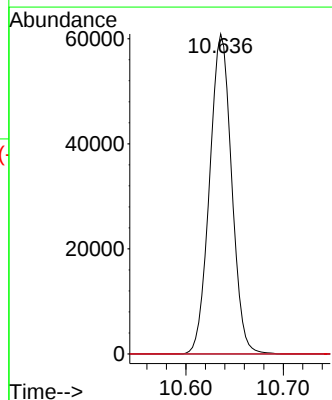
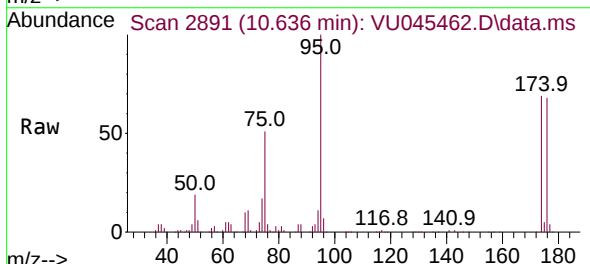
Instrument :
MSVOA_U
ClientSampleId :

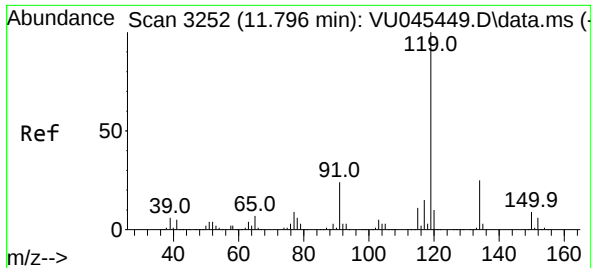
Tgt Ion: 75 Resp: 95847
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.745 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 75 Resp: 95847
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

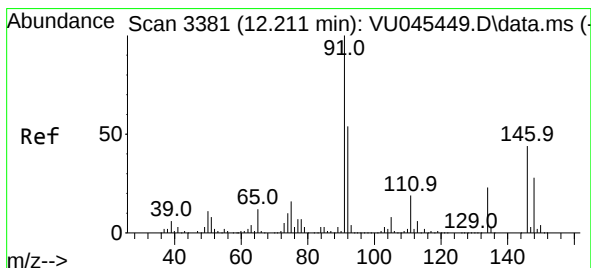
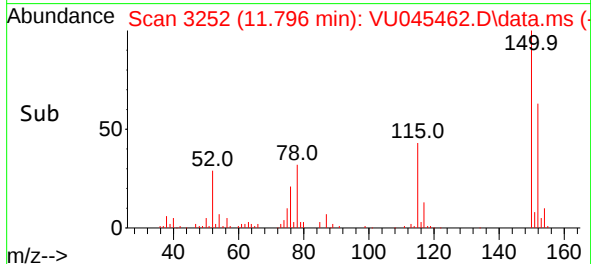
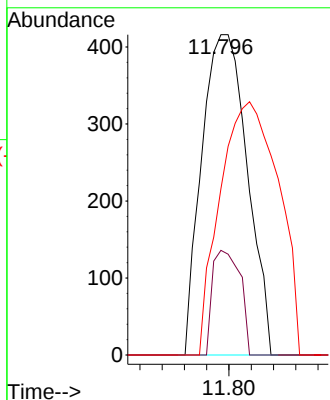
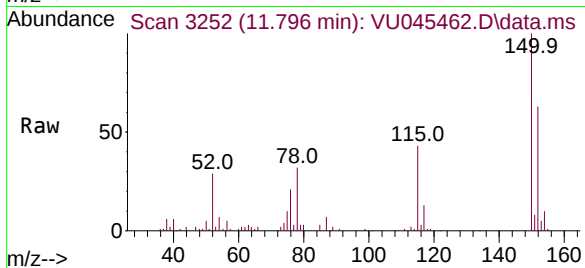




#86
p-Isopropyltoluene
Concen: 0.240 ug/l
RT: 11.796 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

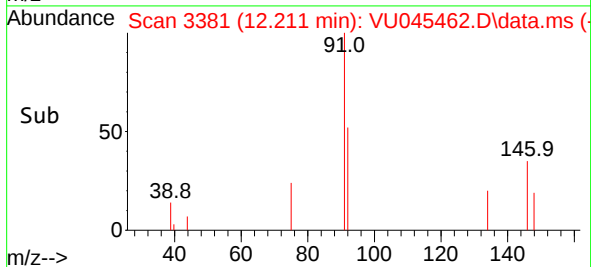
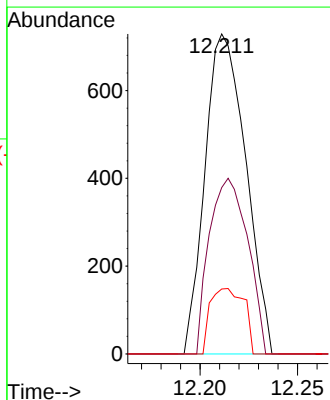
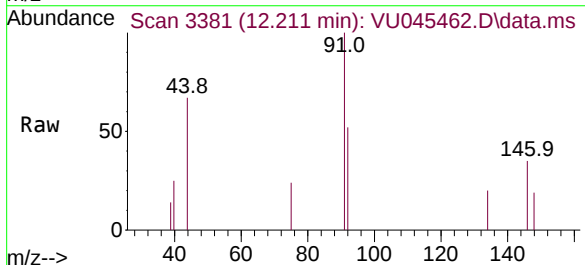
Instrument :
MSVOA_U
ClientSampleId :

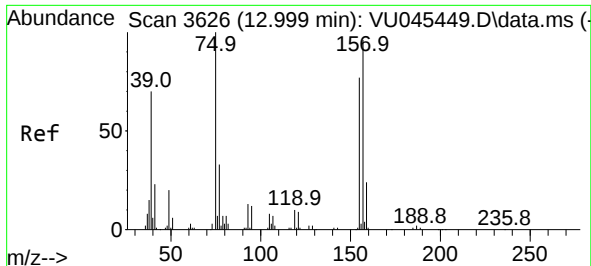
Tgt Ion:119 Resp: 591
Ion Ratio Lower Upper
119 100
134 19.8 12.7 38.1
91 101.7 12.2 36.4#



#89
n-Butylbenzene
Concen: 1.031 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 91 Resp: 1061
Ion Ratio Lower Upper
91 100
92 51.6 27.1 81.2
134 16.9 11.8 35.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.210 ug/l

RT: 12.780 min Scan# 31

Delta R.T. -0.219 min

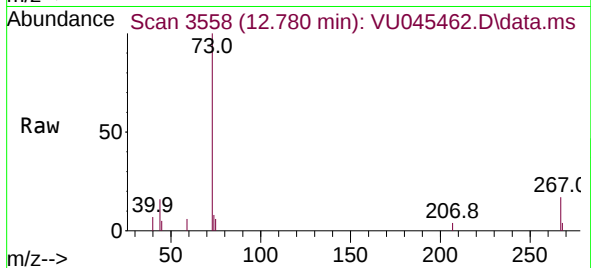
Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

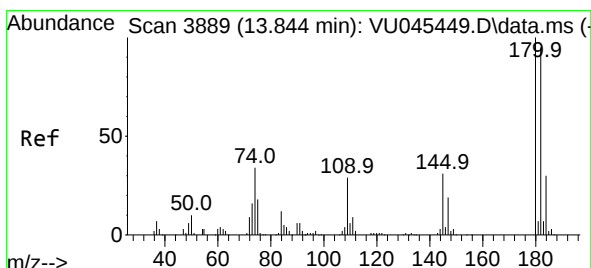
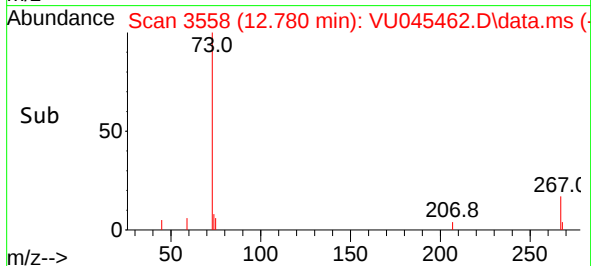
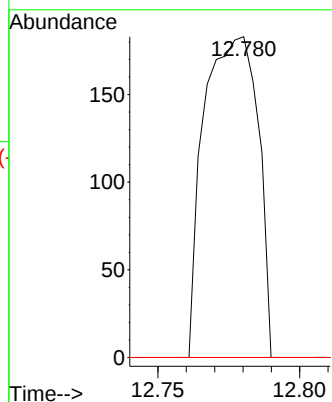
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75	Resp:	242
Ion Ratio	Lower	Upper
75	100	
155	0.0	37.8 113.3#
157	0.0	48.4 145.2#



#93

1,2,4-Trichlorobenzene

Concen: 0.206 ug/l

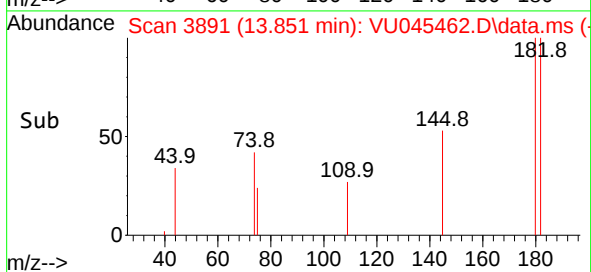
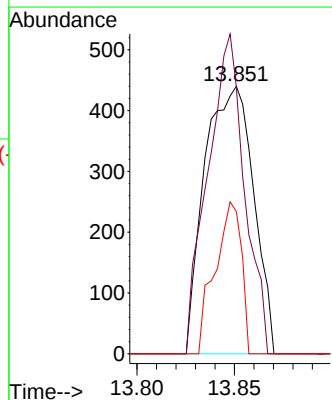
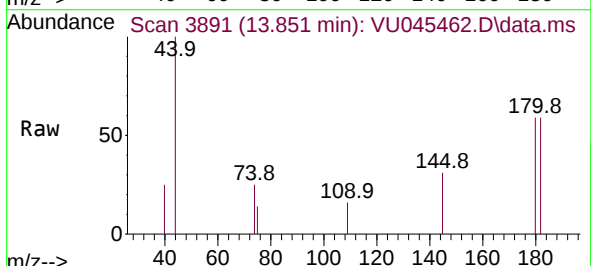
RT: 13.851 min Scan# 3891

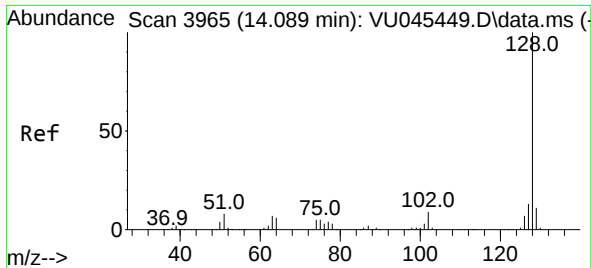
Delta R.T. 0.007 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Tgt Ion: 180	Resp:	768
Ion Ratio	Lower	Upper
180	100	
182	89.8	47.0 141.2
145	30.6	15.6 46.7





#95

Naphthalene

Concen: 0.205 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.003 min

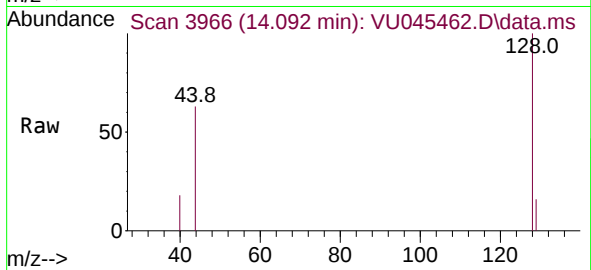
Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 1547

Ion Ratio Lower Upper

128 100

127 3.2 10.6 15.8#

129 8.0 8.6 13.0#

