

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049462.D
 Acq On : 28 Jun 2022 16:44
 Operator : SY/MD
 Sample : N3480-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40815

Quant Time: Jun 28 17:18:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

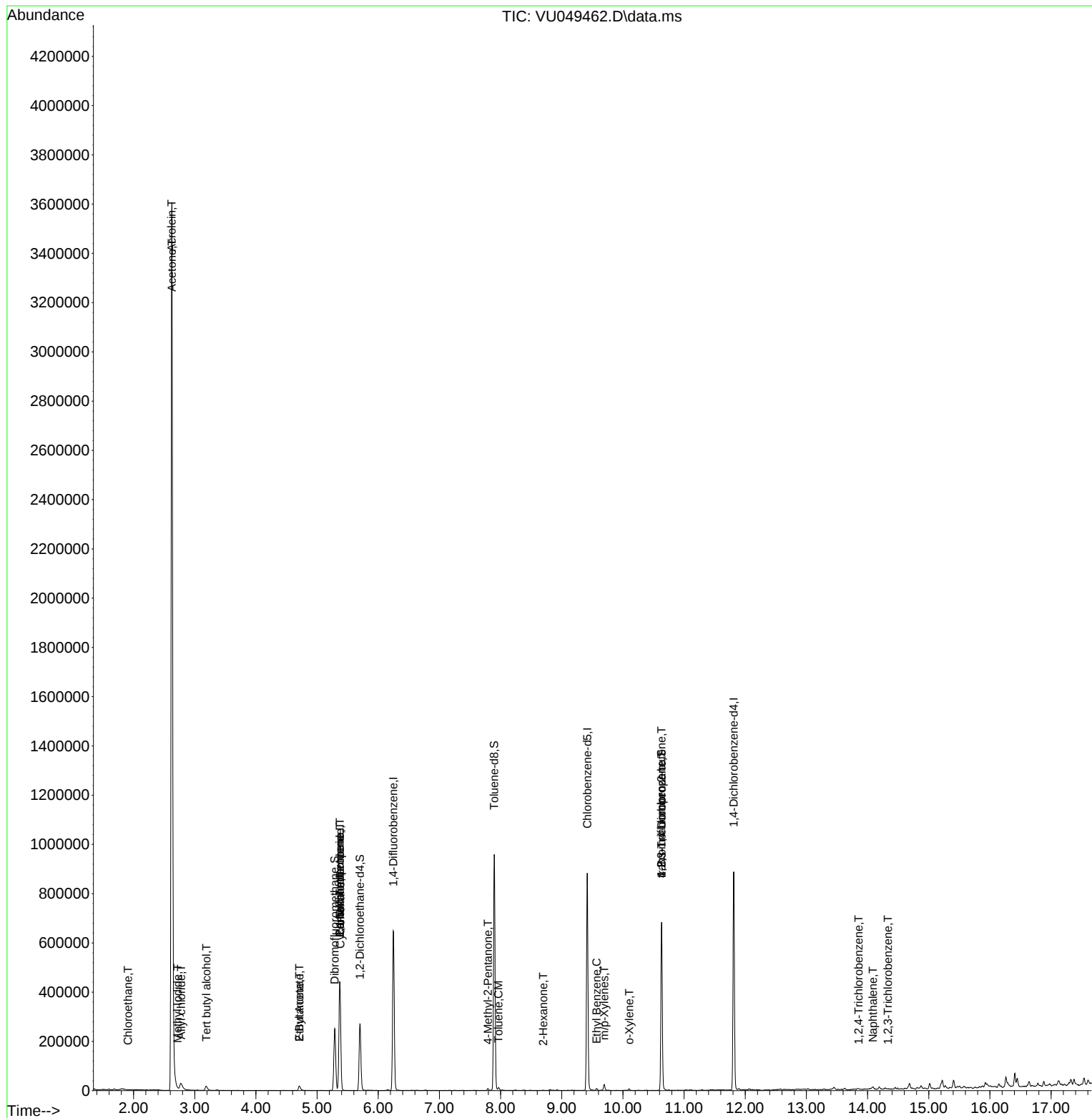
Internal Standards						
1) Pentafluorobenzene	5.372	168	308494	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	530679	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	485306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	233385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	198896	41.864	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.720%		
35) Dibromofluoromethane	5.289	113	164640	44.344	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.680%		
50) Toluene-d8	7.896	98	640070	48.335	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.660%		
62) 4-Bromofluorobenzene	10.632	95	234443	46.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.440%		
Target Compounds						
						Qvalue
3) Chloromethane	1.523	50	1784	Below Cal	#	81
6) Chloroethane	1.909	64	20	1.924	ug/l #	44
10) Methyl Iodide	2.720	142	20	7.518	ug/l #	43
11) Tert butyl alcohol	3.189	59	25483	22.916	ug/l #	54
13) Acrolein	2.620	56	782	1.038	ug/l #	1
14) Allyl chloride	2.777	41	3415	0.504	ug/l #	34
16) Acetone	2.626	43	4115939	1717.907	ug/l	99
20) Methylene Chloride	3.044	84	484	Below Cal		91
25) 2-Butanone	4.710	43	30486	8.490	ug/l #	89
31) Cyclohexane	5.379	56	6591	0.924	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	25073	4.657	ug/l #	45
37) Ethyl Acetate	4.710	43	30486	4.144	ug/l #	71
38) Carbon Tetrachloride	5.372	117	31766	5.626	ug/l #	16
51) 4-Methyl-2-Pentanone	7.793	43	5433	0.753	ug/l	100
52) Toluene	7.967	92	4229	0.438	ug/l	97
59) 2-Hexanone	8.697	43	1136	0.200	ug/l	76
67) Ethyl Benzene	9.571	91	4445	0.244	ug/l	98
68) m/p-Xylenes	9.697	106	6739	1.000	ug/l	88
69) o-Xylene	10.102	106	1658	0.248	ug/l	86
76) 1,2,3-Trichloropropane	10.632	75	116599	14.738	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	116599	54.425	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	96	1.772	ug/l #	8
95) Naphthalene	14.089	128	6328	2.070	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.333	180	41	1.185	ug/l #	1

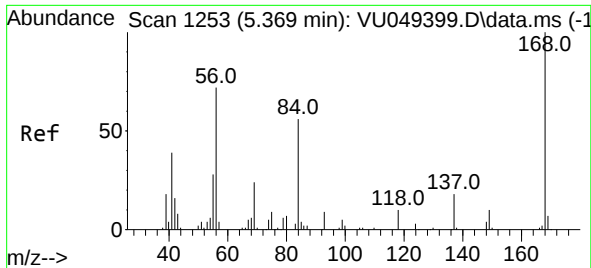
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 28 10:35:43 2022
Response via : Initial Calibration

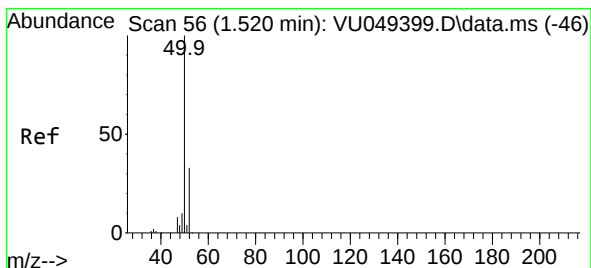
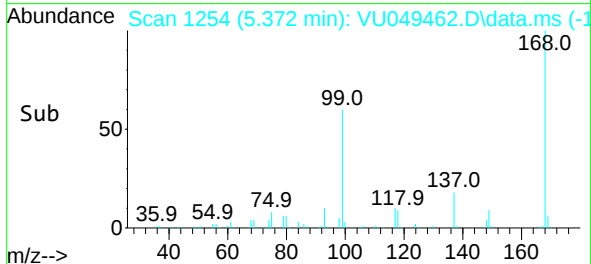
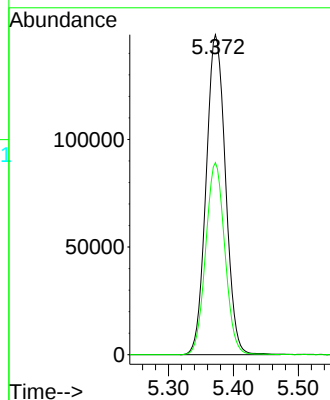
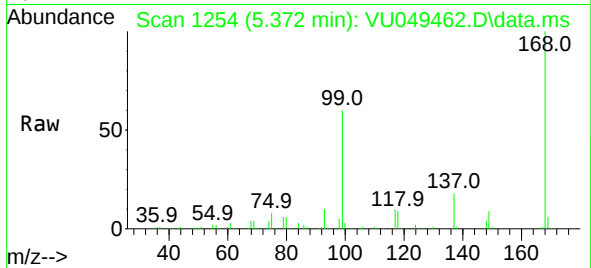




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

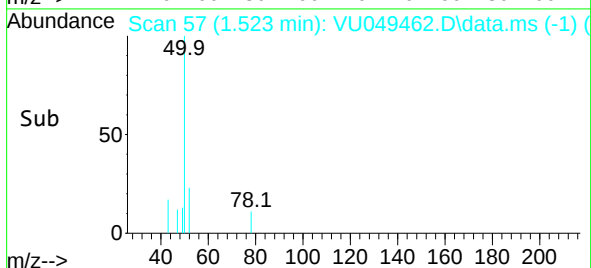
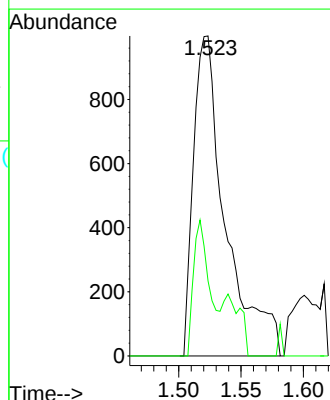
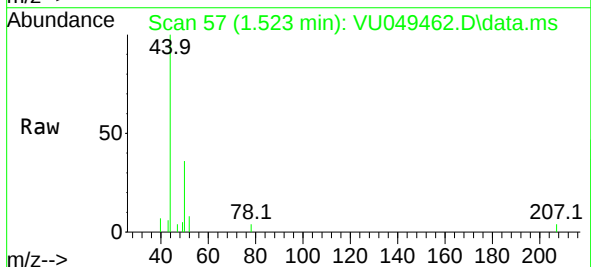
Instrument :
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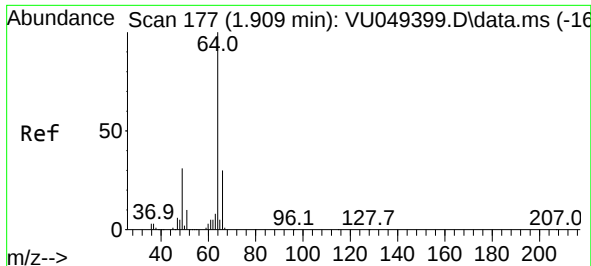
Tgt Ion:168 Resp: 308494
Ion Ratio Lower Upper
168 100
99 60.0 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 50 Resp: 1784
Ion Ratio Lower Upper
50 100
52 23.4 27.4 41.2#

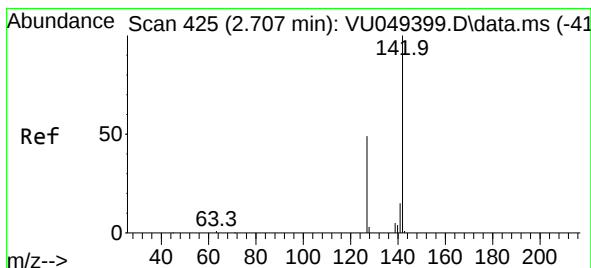
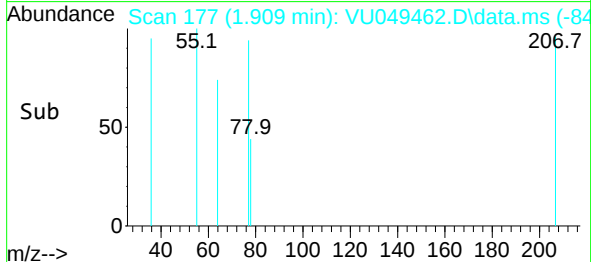
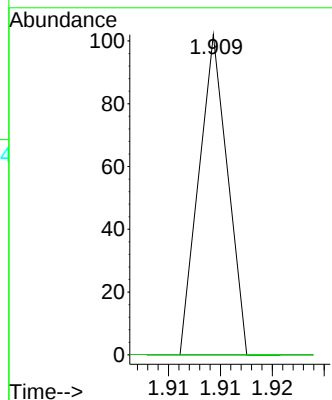
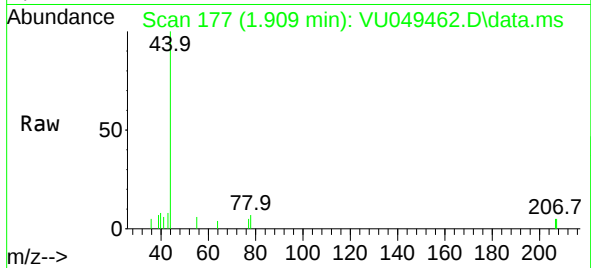




#6
Chloroethane
Concen: 1.924 ug/l
RT: 1.909 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

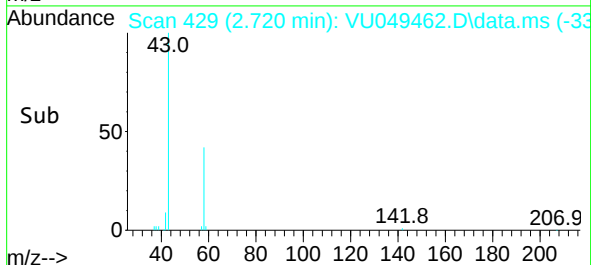
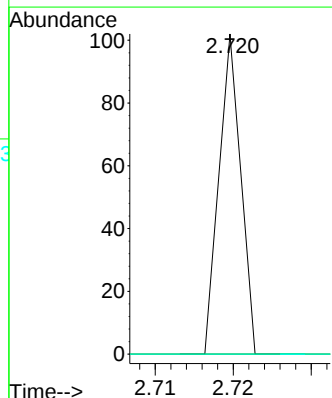
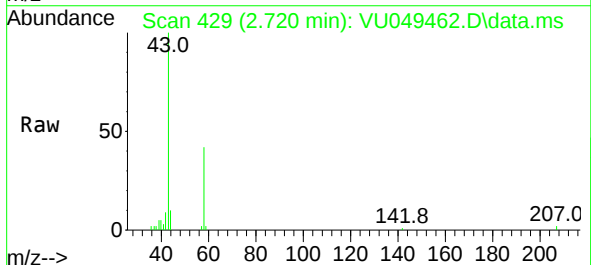
Instrument :
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ClientSampleId :
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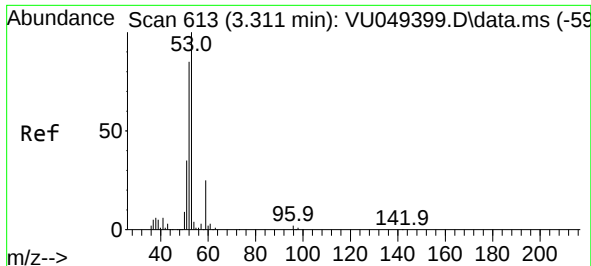
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.518 ug/l
RT: 2.720 min Scan# 429
Delta R.T. 0.013 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

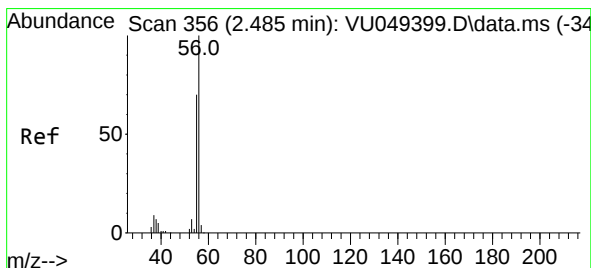
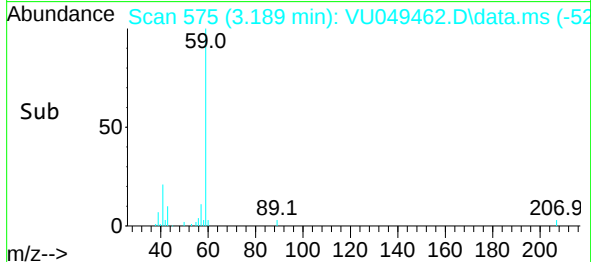
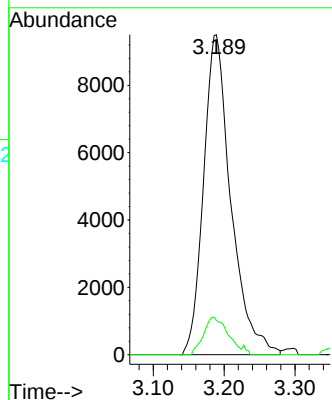
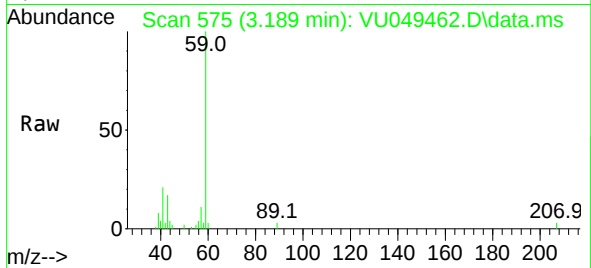




#11
Tert butyl alcohol
Concen: 22.916 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.122 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

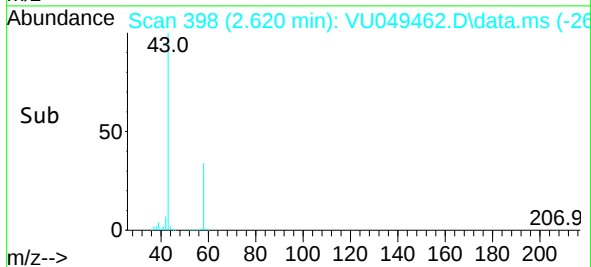
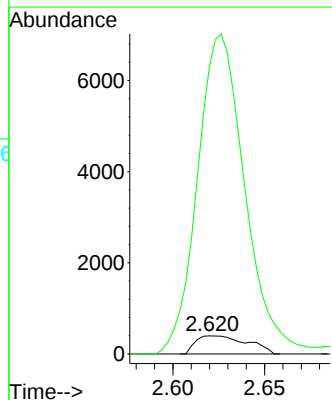
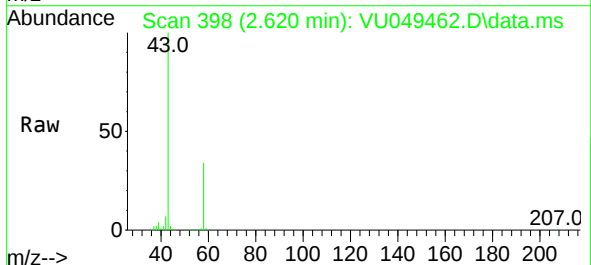
Instrument :
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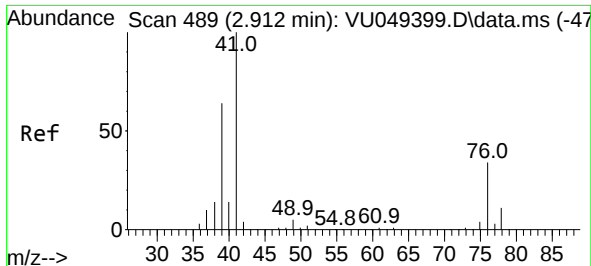
Tgt Ion: 59 Resp: 25483
Ion Ratio Lower Upper
59 100
57 10.3 30.6 45.8#



#13
Acrolein
Concen: 1.038 ug/l
RT: 2.620 min Scan# 398
Delta R.T. 0.135 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 56 Resp: 782
Ion Ratio Lower Upper
56 100
55 1614.6 56.6 85.0#

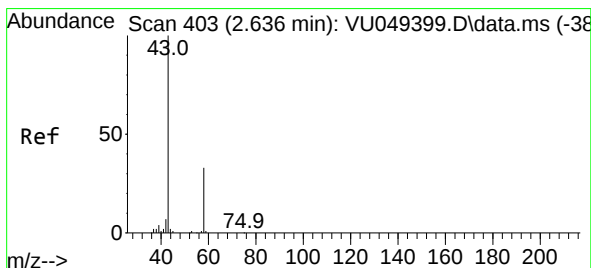
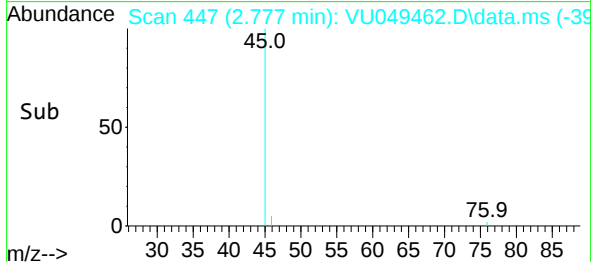
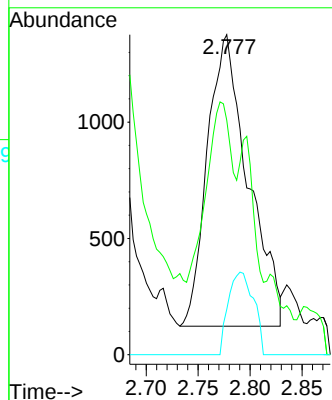
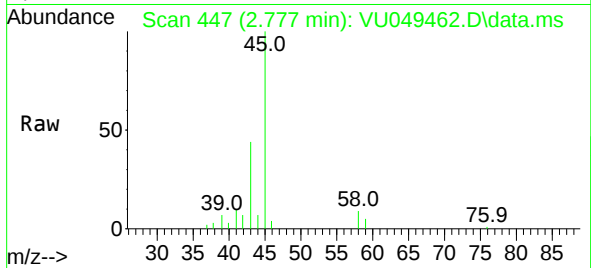




#14
 Allyl chloride
 Concen: 0.504 ug/l
 RT: 2.777 min Scan# 41
 Delta R.T. -0.135 min
 Lab File: VU049462.D
 Acq: 28 Jun 2022 16:44

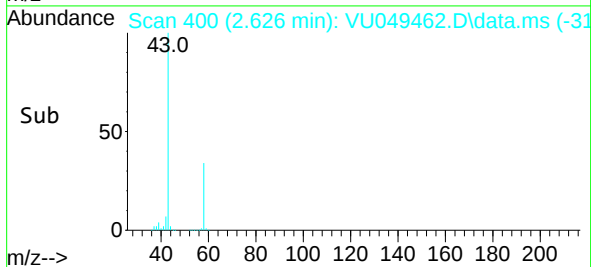
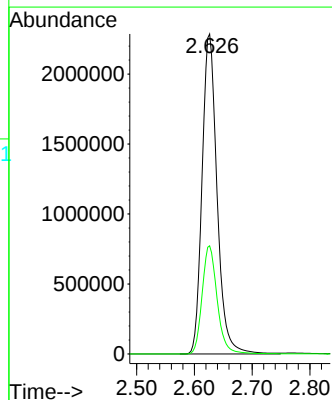
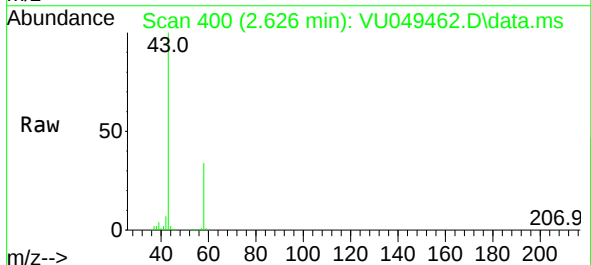
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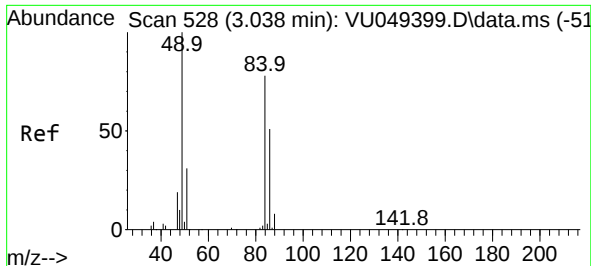
Tgt Ion: 41 Resp: 3415
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.4 80.2#
 76 17.5 33.8 50.6#



#16
 Acetone
 Concen: 1717.907 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. -0.009 min
 Lab File: VU049462.D
 Acq: 28 Jun 2022 16:44

Tgt Ion: 43 Resp: 4115939
 Ion Ratio Lower Upper
 43 100
 58 33.8 27.5 41.3

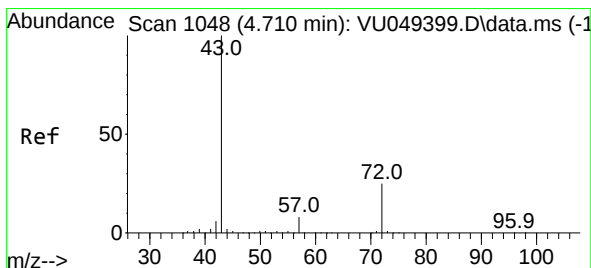
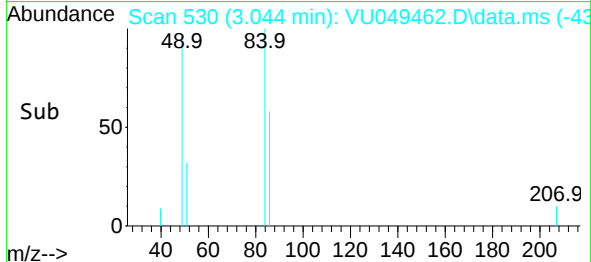
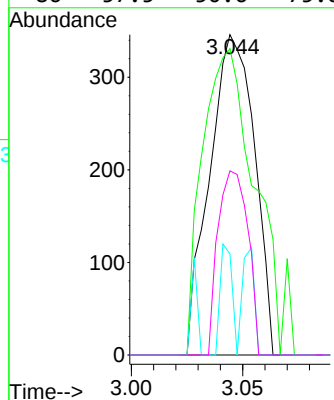
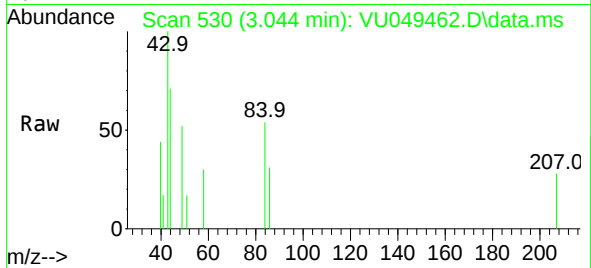




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

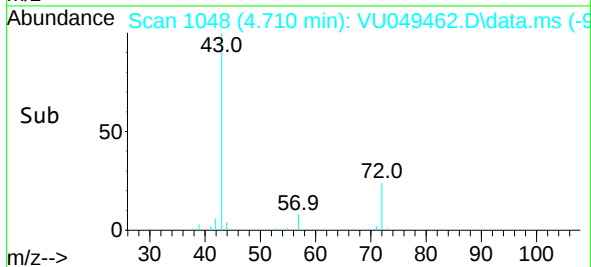
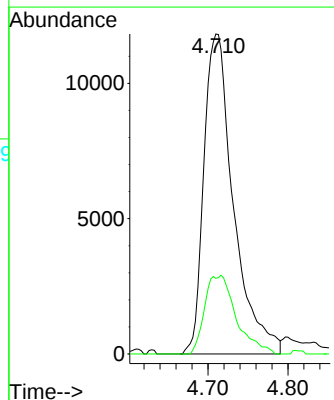
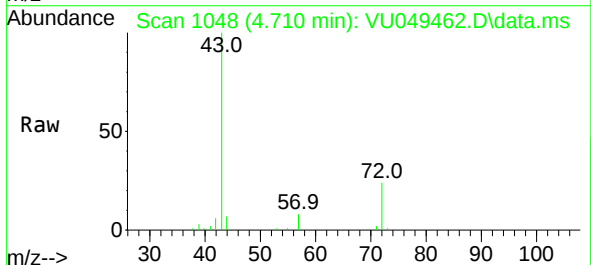
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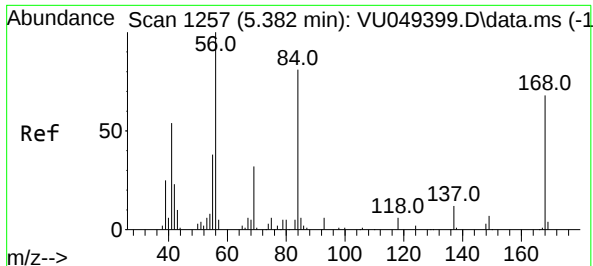
Tgt Ion:	84	Resp:	484
Ion	Ratio	Lower	Upper
84	100		
49	95.7	86.6	129.8
51	31.5	26.6	40.0
86	57.5	50.6	75.8



#25
2-Butanone
Concen: 8.490 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

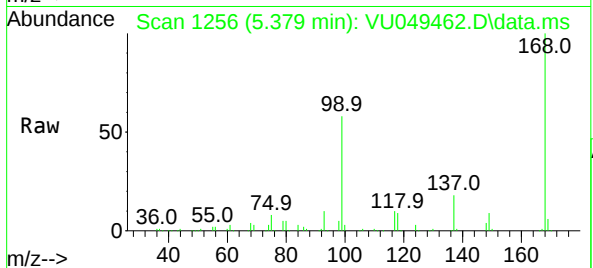
Tgt Ion:	43	Resp:	30486
Ion	Ratio	Lower	Upper
43	100		
72	23.6	23.8	35.6#



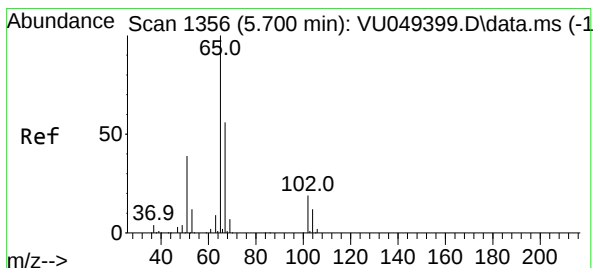
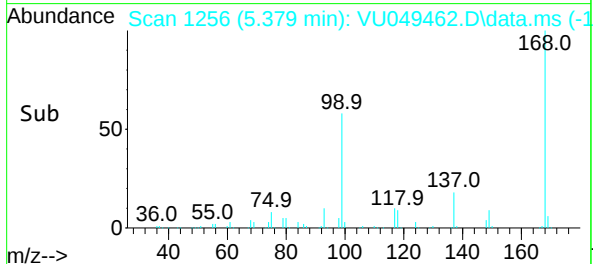
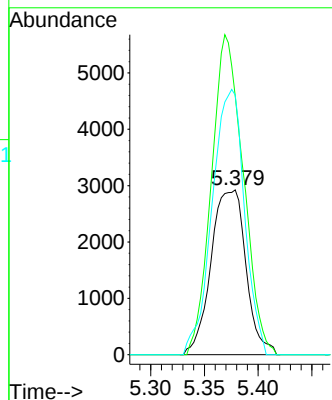


#31
Cyclohexane
Concen: 0.924 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.003 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

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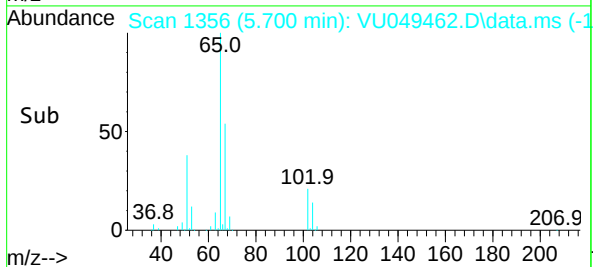
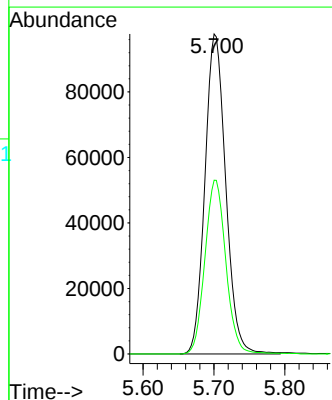
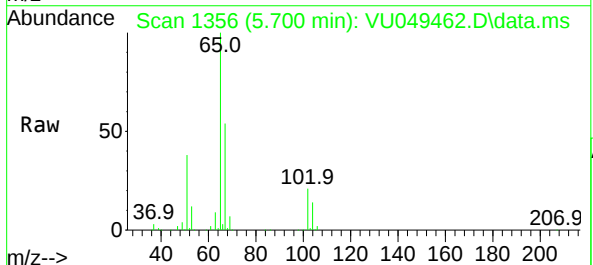


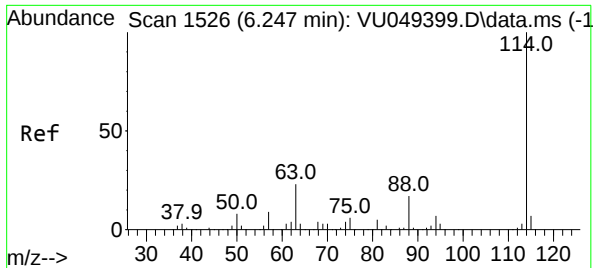
Tgt Ion: 56 Resp: 6591
Ion Ratio Lower Upper
56 100
69 156.9 27.8 41.8#
84 157.5 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 41.864 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 65 Resp: 198896
Ion Ratio Lower Upper
65 100
67 54.8 0.0 108.0

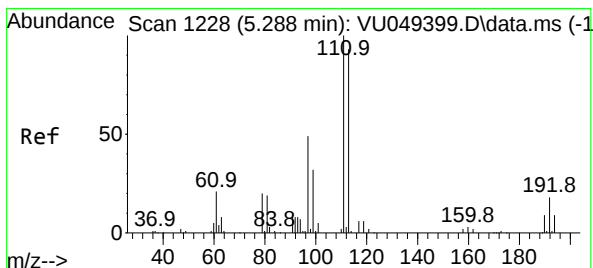
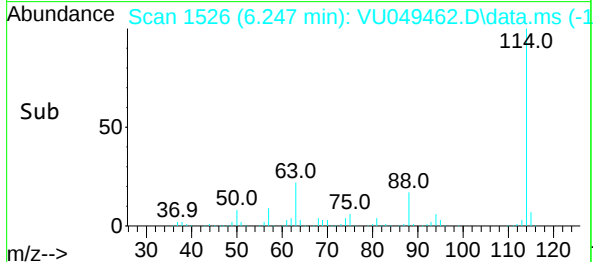
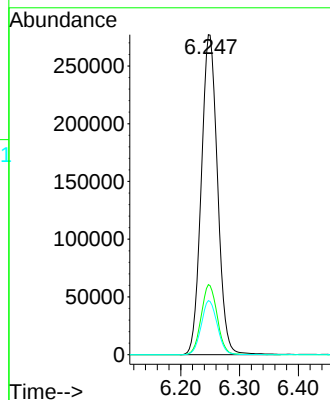
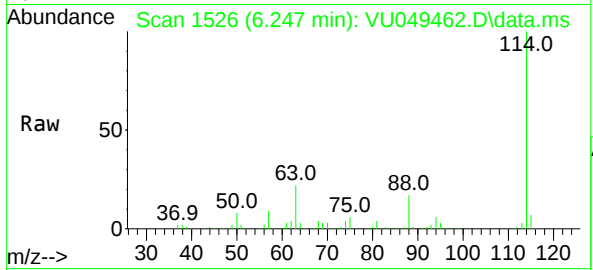




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.247 min Scan# 114
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

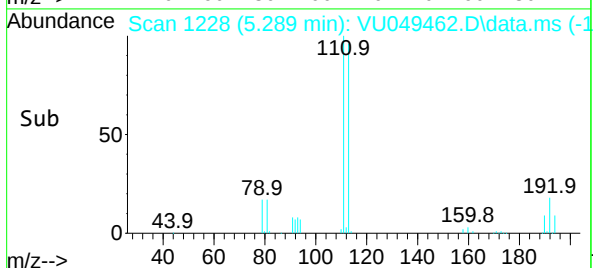
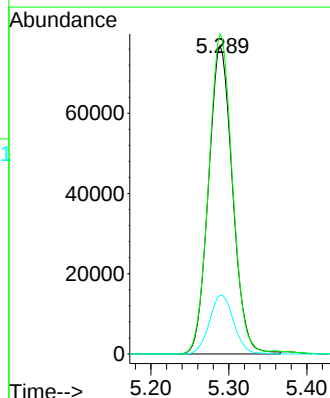
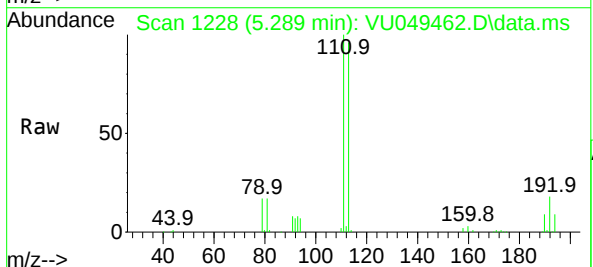
Instrument :
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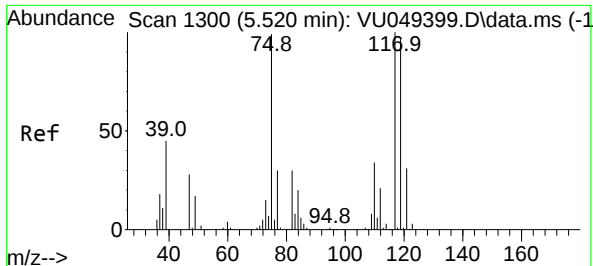
Tgt Ion:114 Resp: 530679
Ion Ratio Lower Upper
114 100
63 21.9 0.0 37.8
88 16.9 0.0 29.2



#35
Dibromofluoromethane
Concen: 44.344 ug/l
RT: 5.289 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion:113 Resp: 164640
Ion Ratio Lower Upper
113 100
111 103.0 82.1 123.1
192 19.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049462.D

Acq: 28 Jun 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

40815

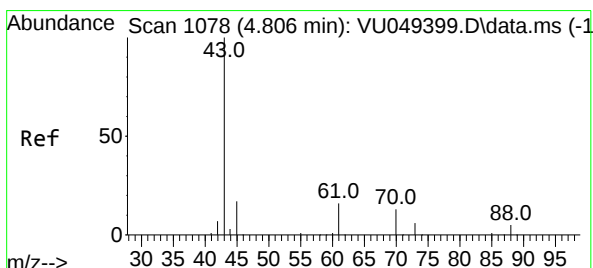
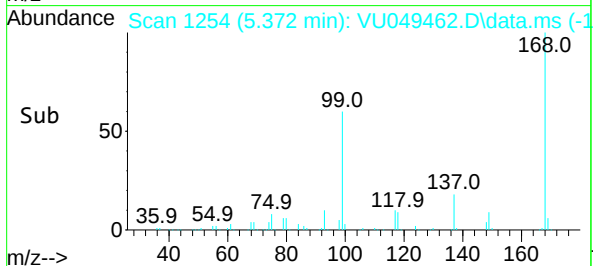
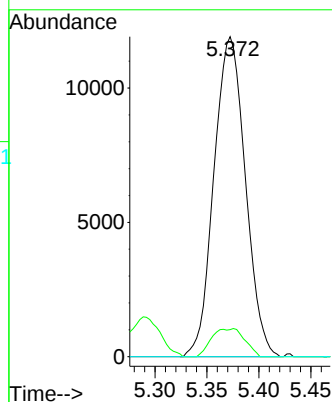
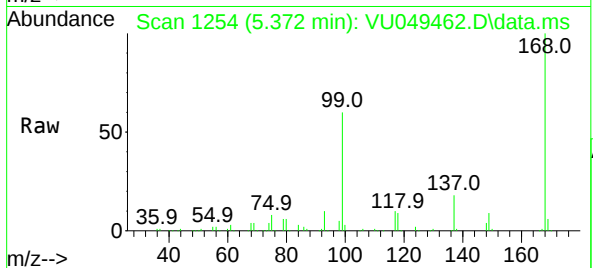
Tgt Ion: 75 Resp: 25073

Ion Ratio Lower Upper

75 100

110 4.7 18.4 55.2#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 4.144 ug/l

RT: 4.710 min Scan# 1048

Delta R.T. -0.096 min

Lab File: VU049462.D

Acq: 28 Jun 2022 16:44

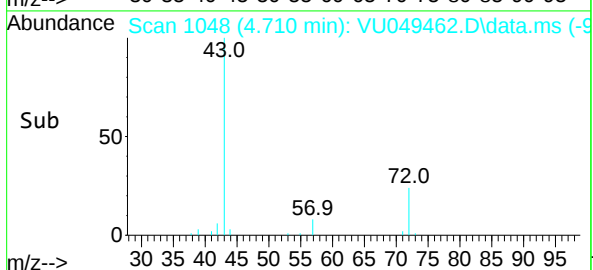
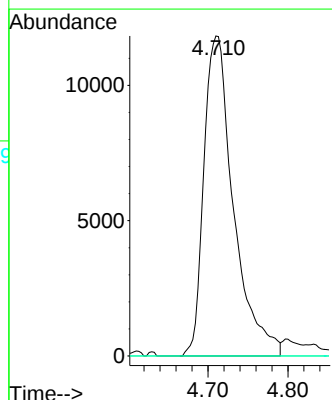
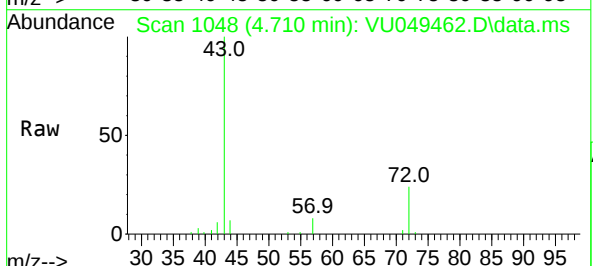
Tgt Ion: 43 Resp: 30486

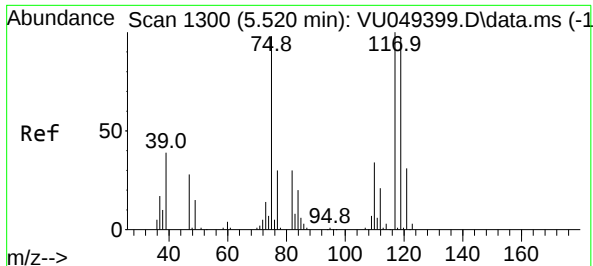
Ion Ratio Lower Upper

43 100

61 0.0 9.5 14.3#

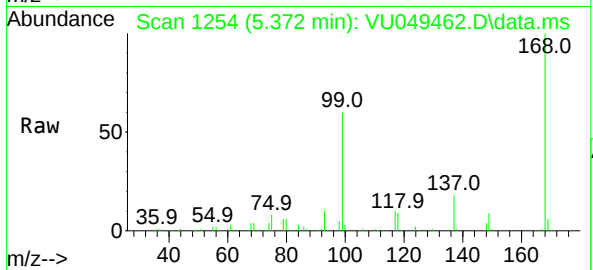
70 0.0 7.5 11.3#



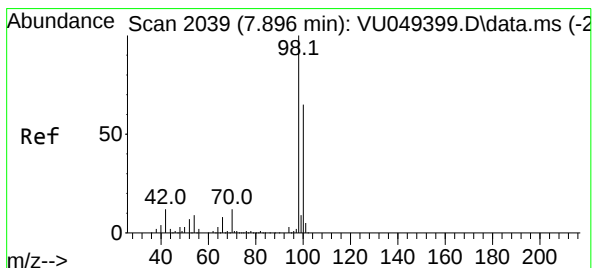
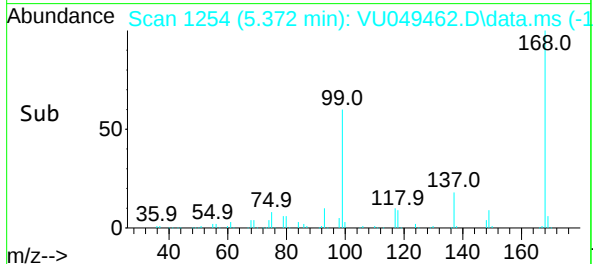
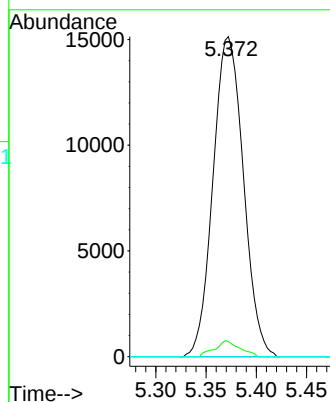


#38
Carbon Tetrachloride
Concen: 5.626 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Instrument :
MSVOA_U
ClientSampleId :
40815

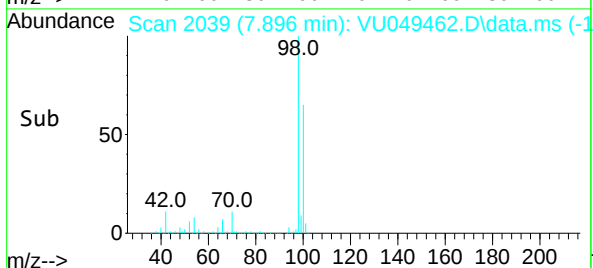
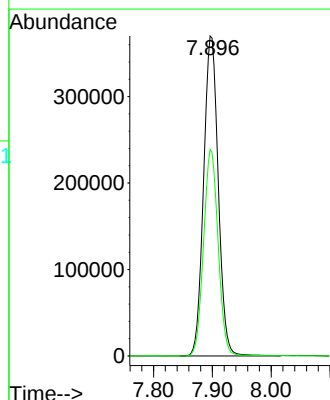
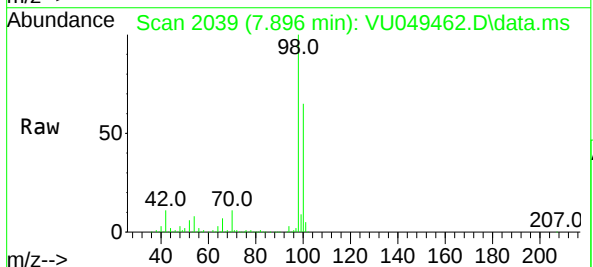


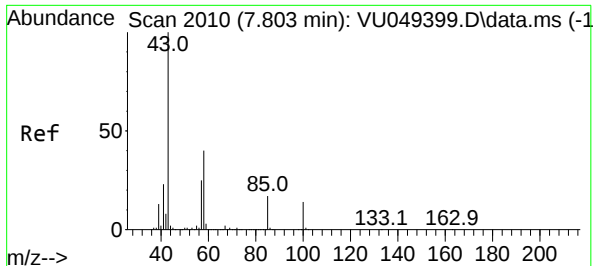
Tgt Ion:117 Resp: 31766
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.335 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 98 Resp: 640070
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.753 ug/l

RT: 7.793 min Scan# 2010

Delta R.T. -0.009 min

Lab File: VU049462.D

Acq: 28 Jun 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

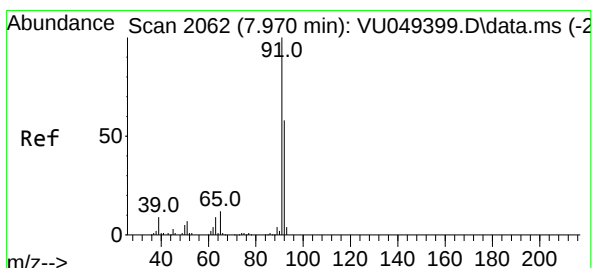
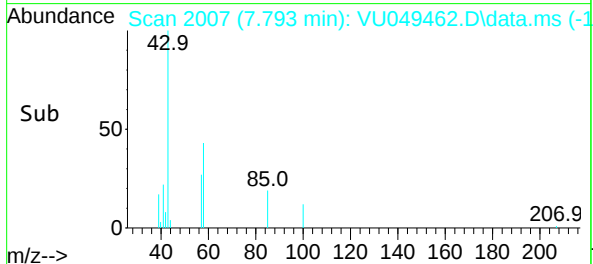
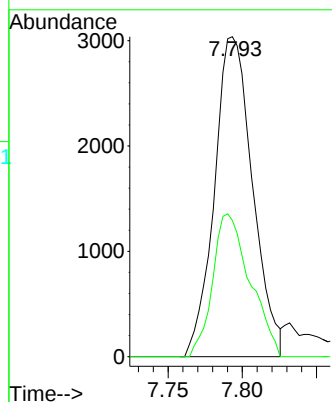
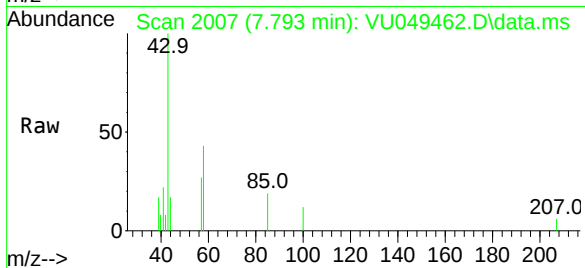
40815

Tgt Ion: 43 Resp: 5433

Ion Ratio Lower Upper

43 100

58 43.6 34.7 52.1



#52

Toluene

Concen: 0.438 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU049462.D

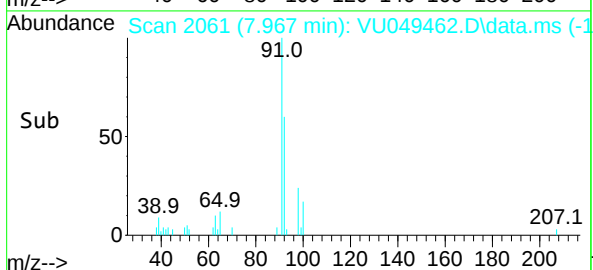
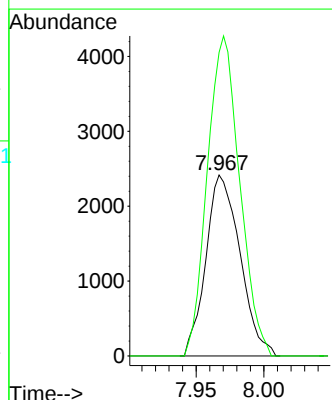
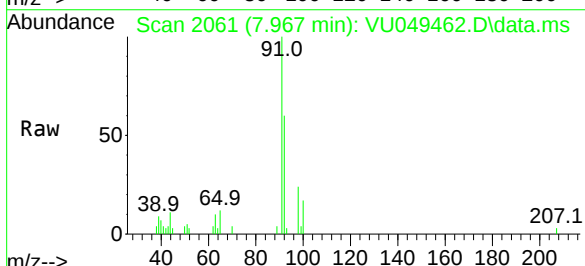
Acq: 28 Jun 2022 16:44

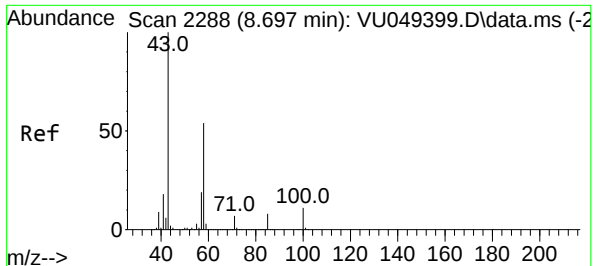
Tgt Ion: 92 Resp: 4229

Ion Ratio Lower Upper

92 100

91 168.0 138.2 207.4

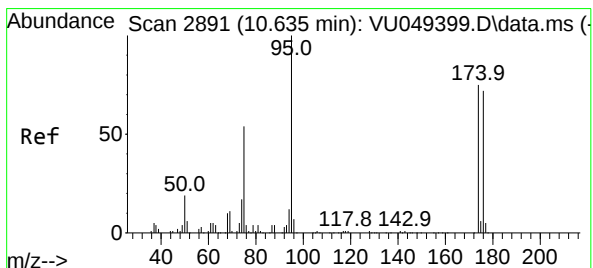
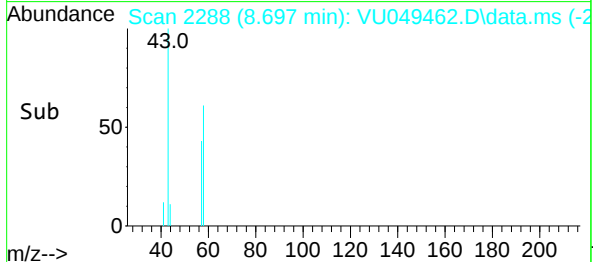
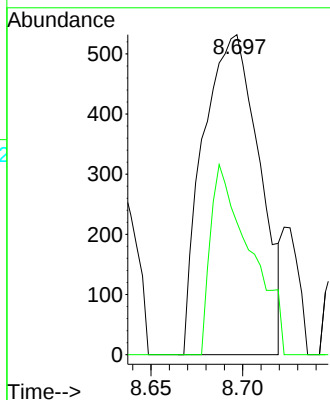
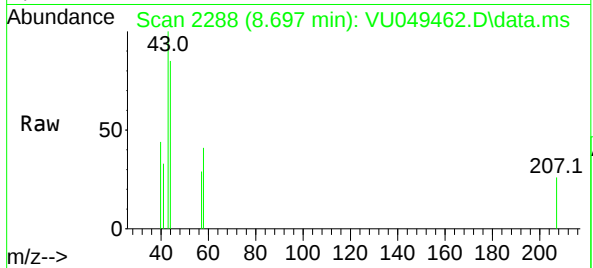




#59
2-Hexanone
Concen: 0.200 ug/l
RT: 8.697 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

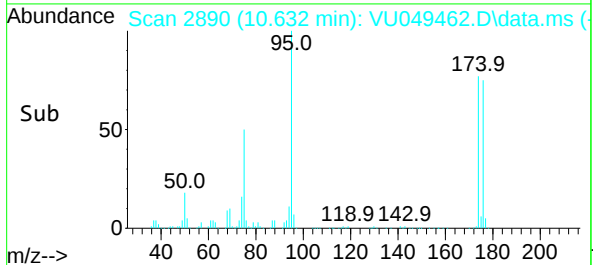
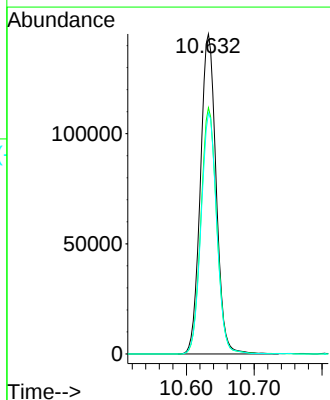
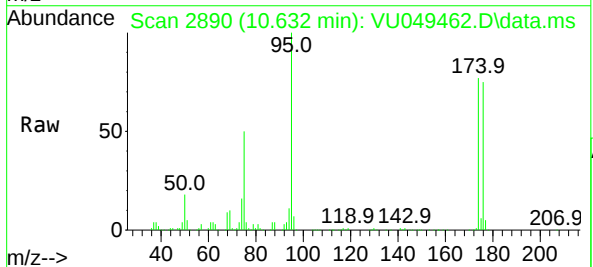
Instrument :
MSVOA_U
ClientSampleId :
40815

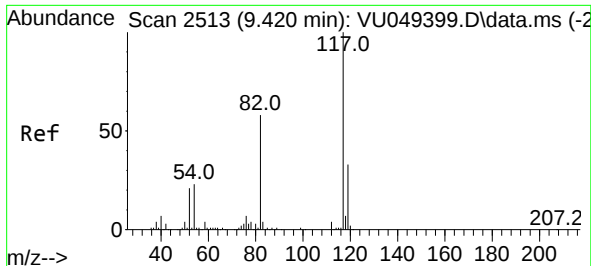
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 42.0 30.3 90.8



#62
4-Bromofluorobenzene
Concen: 46.216 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 95 Resp: 234443
Ion Ratio Lower Upper
95 100
174 77.1 0.0 182.0
176 75.2 0.0 177.8

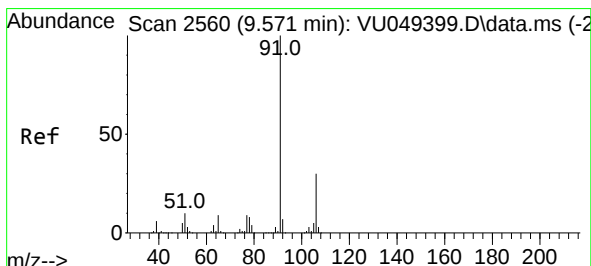
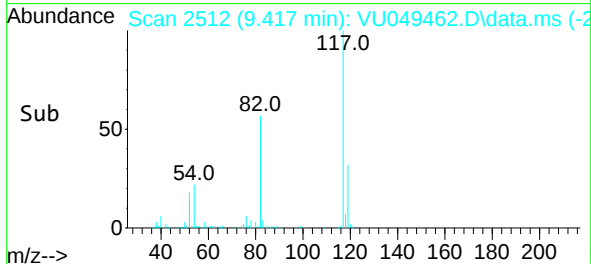
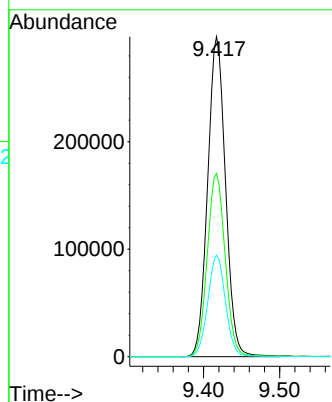
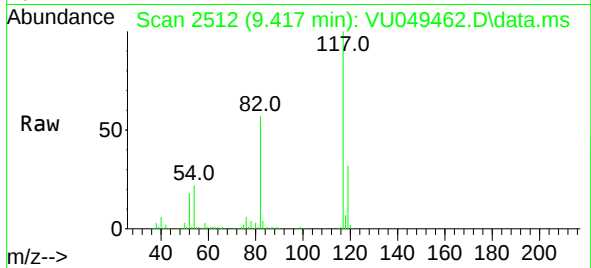




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

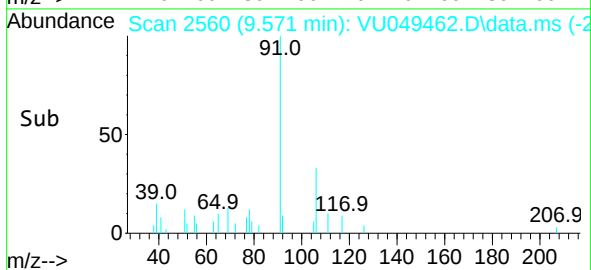
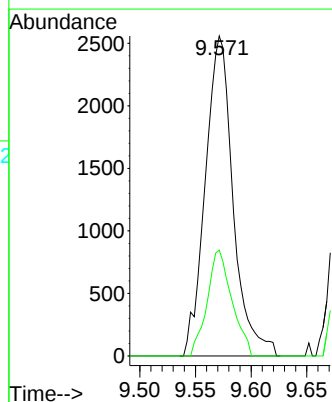
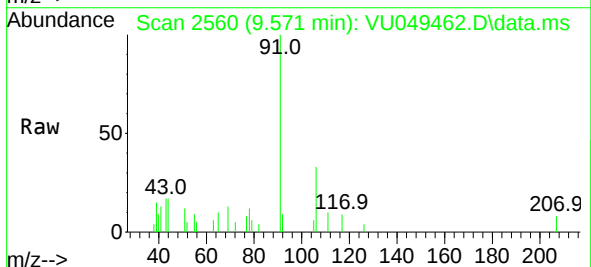
Instrument :
MSVOA_U
ClientSampleId :
40815

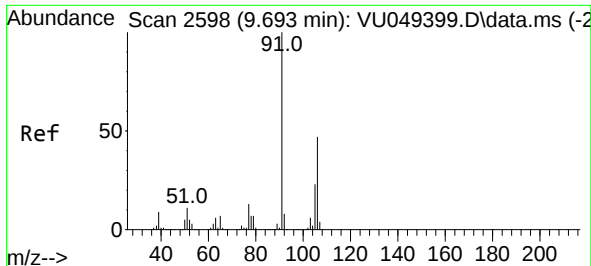
Tgt Ion:117 Resp: 485306
Ion Ratio Lower Upper
117 100
82 57.3 41.7 62.5
119 31.7 25.7 38.5



#67
Ethyl Benzene
Concen: 0.244 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 91 Resp: 4445
Ion Ratio Lower Upper
91 100
106 33.1 25.6 38.4

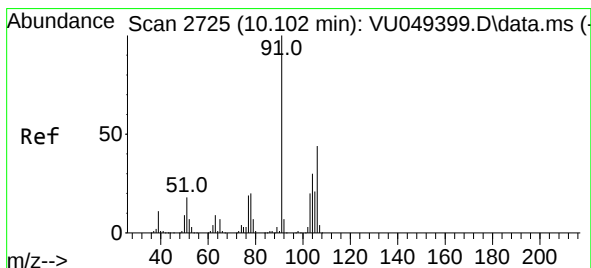
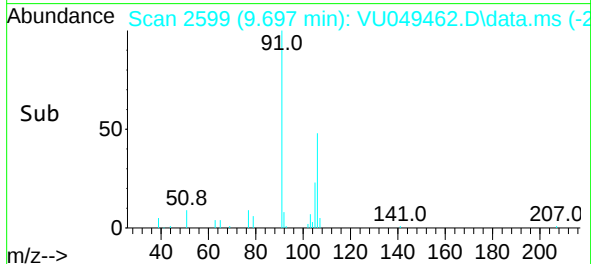
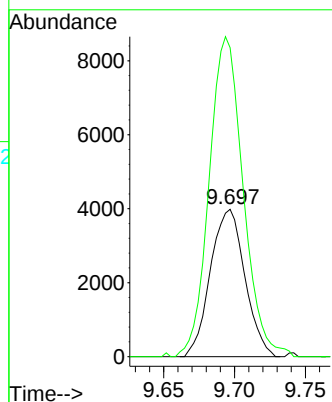
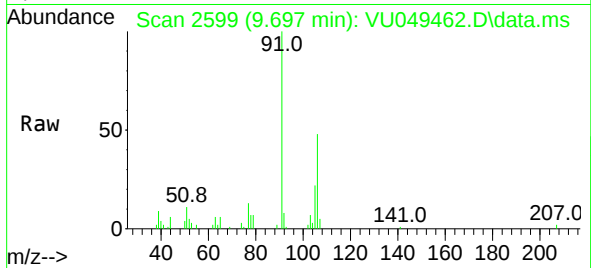




#68
m/p-Xylenes
Concen: 1.000 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

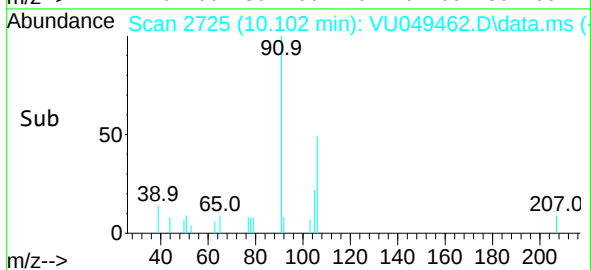
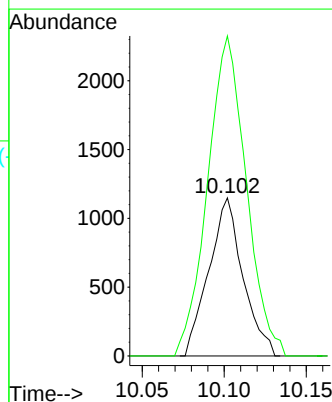
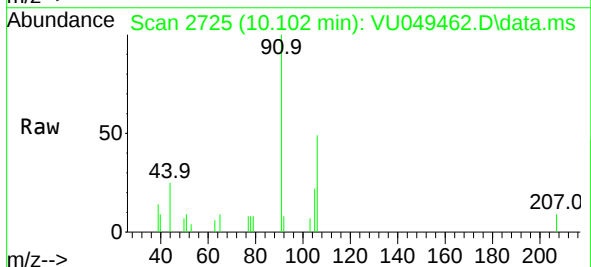
Instrument :
MSVOA_U
ClientSampleId :
40815

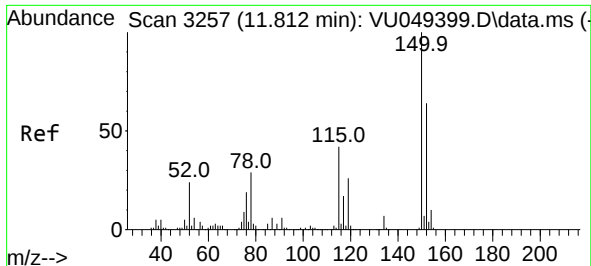
Tgt Ion:106 Resp: 6739
Ion Ratio Lower Upper
106 100
91 213.9 157.2 235.8



#69
o-Xylene
Concen: 0.248 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion:106 Resp: 1658
Ion Ratio Lower Upper
106 100
91 229.1 103.5 310.5

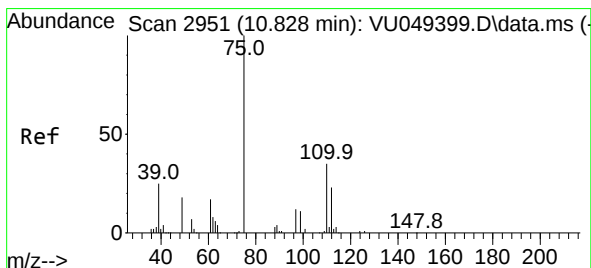
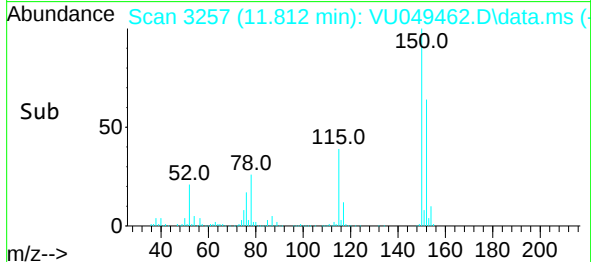
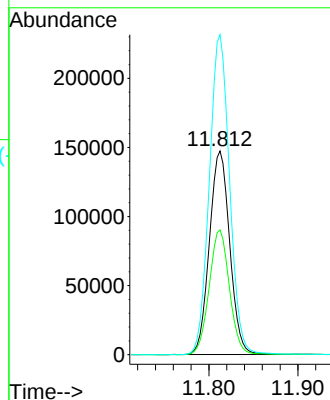
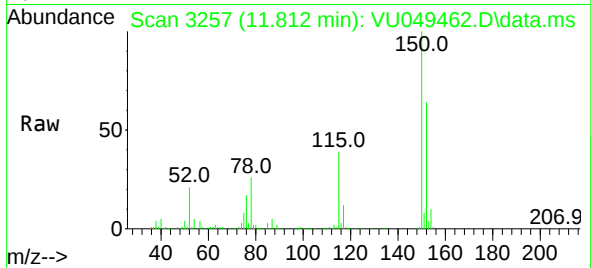




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

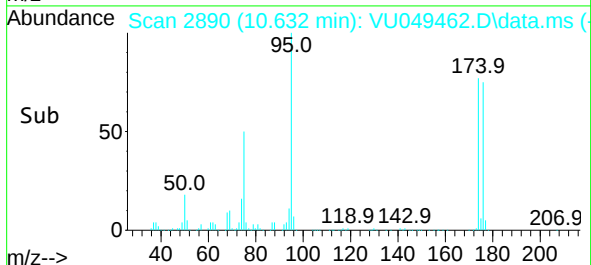
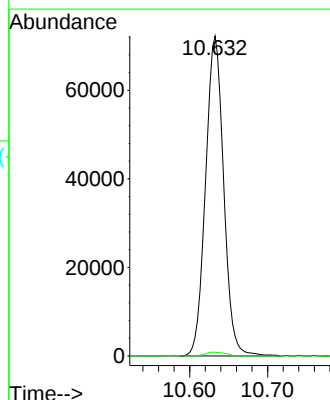
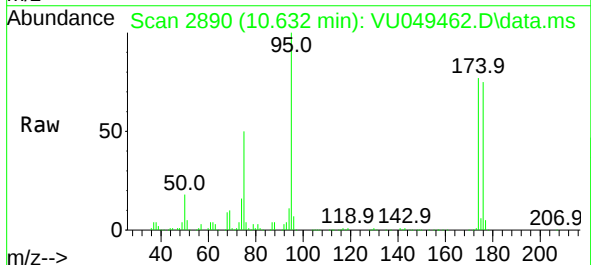
Instrument :
MSVOA_U
ClientSampleId :
40815

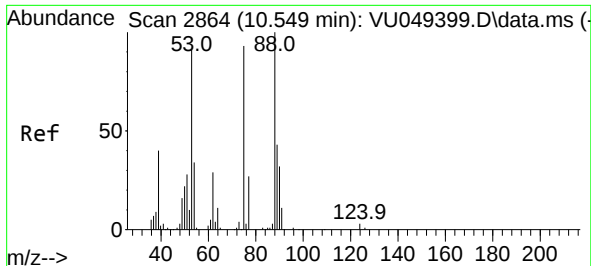
Tgt Ion:152 Resp: 233385
Ion Ratio Lower Upper
152 100
115 61.4 37.0 110.9
150 156.6 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 14.738 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 75 Resp: 116599
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#

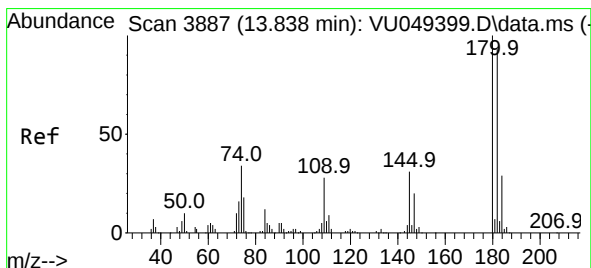
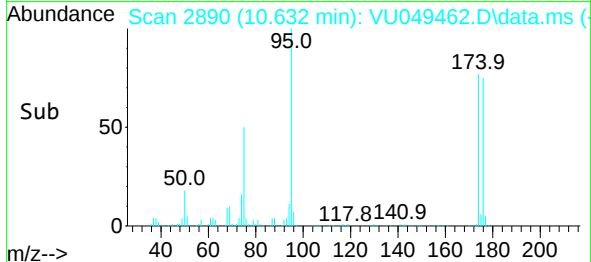
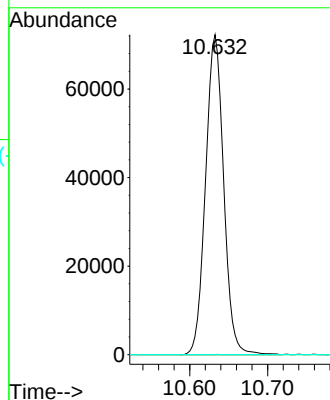
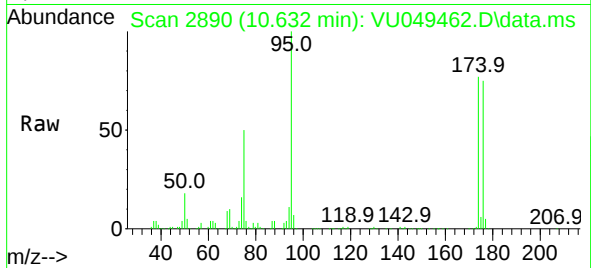




#81
trans-1,4-Dichloro-2-butene
Concen: 54.425 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

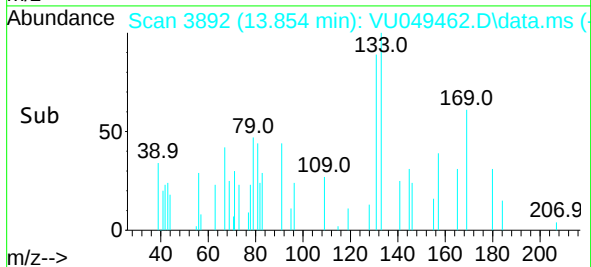
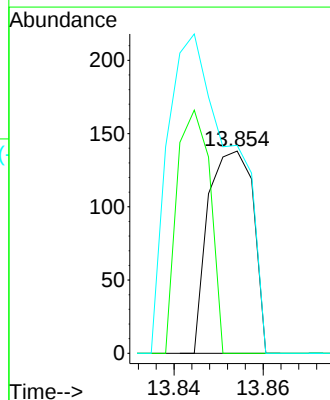
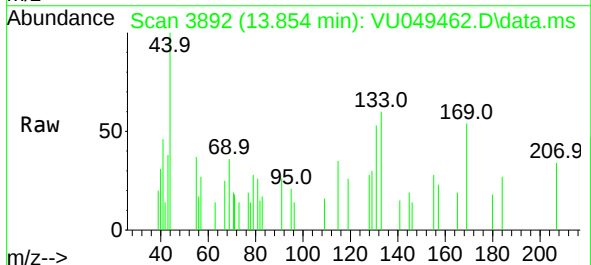
Instrument :
MSVOA_U
ClientSampleId :
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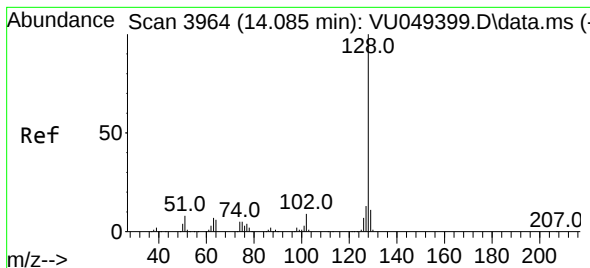
Tgt Ion: 75 Resp: 116599
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.772 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049462.D
Acq: 28 Jun 2022 16:44

Tgt Ion: 180 Resp: 96
Ion Ratio Lower Upper
180 100
182 89.6 47.9 143.6
145 230.2 14.0 41.9#





#95

Naphthalene

Concen: 2.070 ug/l

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049462.D

Acq: 28 Jun 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

40815

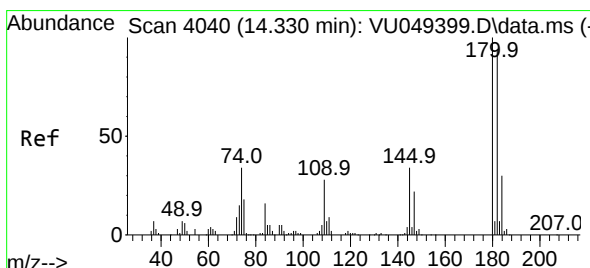
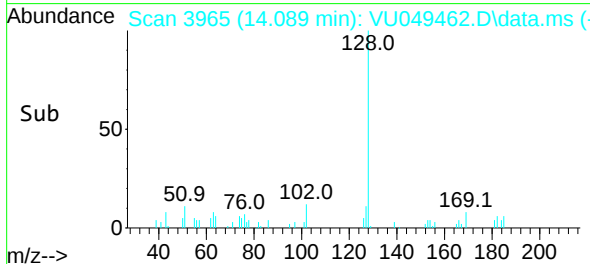
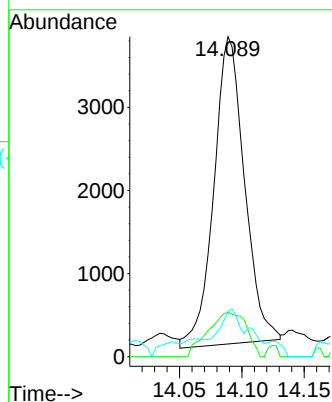
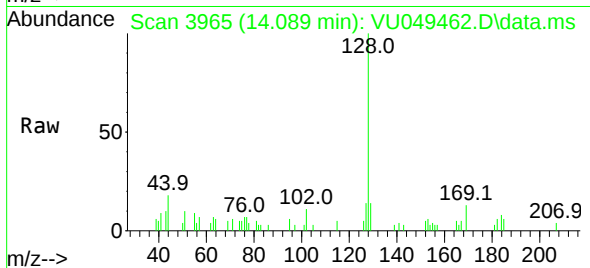
Tgt Ion:128 Resp: 6328

Ion Ratio Lower Upper

128 100

127 18.1 10.3 15.5#

129 5.6 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.185 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU049462.D

Acq: 28 Jun 2022 16:44

Tgt Ion:180 Resp: 41

Ion Ratio Lower Upper

180 100

182 546.3 48.4 145.0#

145 926.8 14.8 44.4#

