

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049520.D
 Acq On : 29 Jun 2022 17:54
 Operator : SY/MD
 Sample : N3522-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 00:49:30 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)

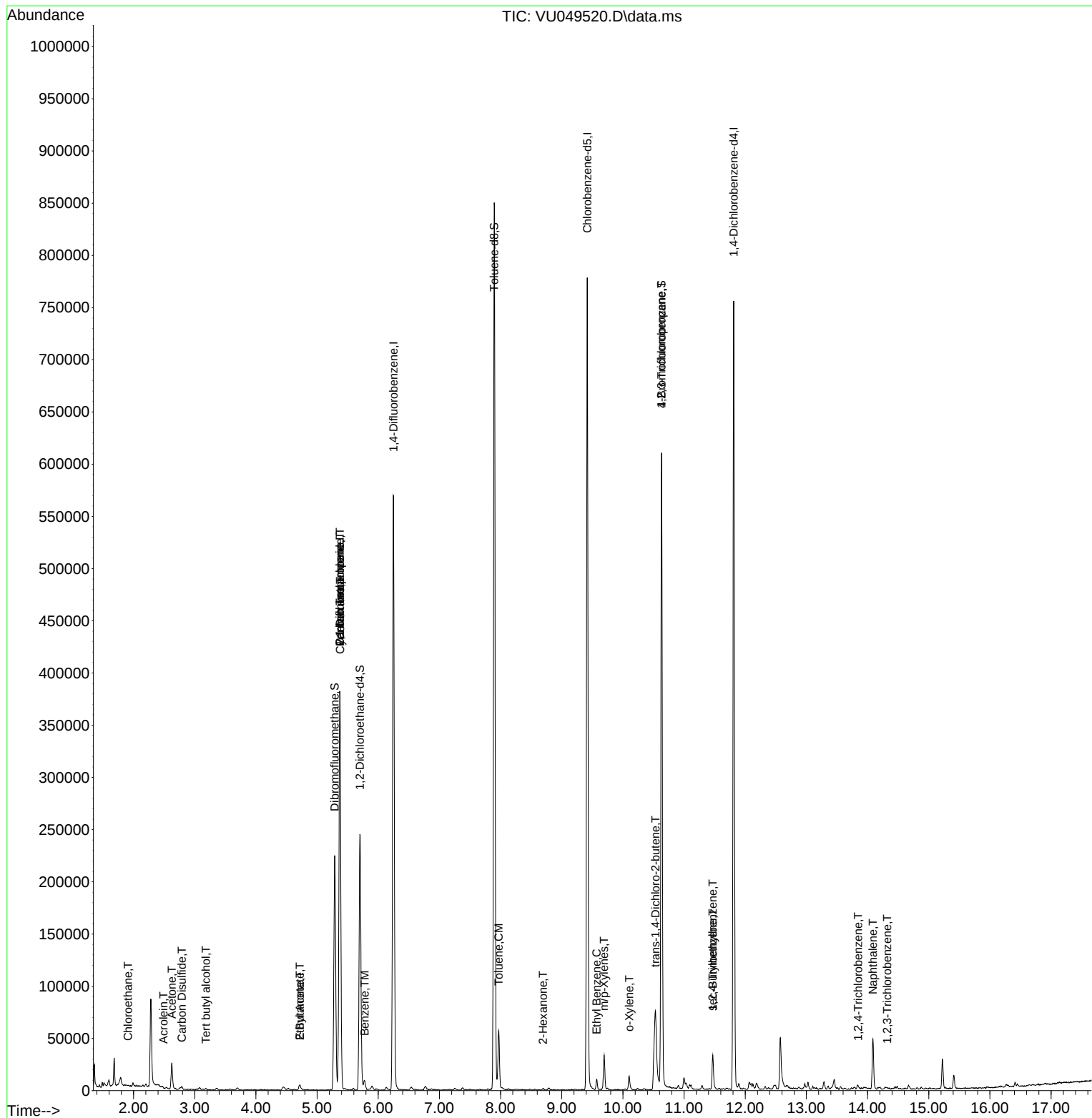
Internal Standards						
1) Pentafluorobenzene	5.372	168	262637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	461968	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	422529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	194717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	182554	45.133	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.260%		
35) Dibromofluoromethane	5.288	113	144342	44.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.320%		
50) Toluene-d8	7.896	98	563434	48.876	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.760%		
62) 4-Bromofluorobenzene	10.632	95	206775	46.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	2141	Below Cal		97
6) Chloroethane	1.909	64	61	1.945 ug/l #		44
11) Tert butyl alcohol	3.182	59	1007	1.064 ug/l #		37
13) Acrolein	2.491	56	248	0.387 ug/l #		36
16) Acetone	2.626	43	26197	12.843 ug/l		98
17) Carbon Disulfide	2.790	76	3009	0.338 ug/l #		89
20) Methylene Chloride	3.028	84	49	Below Cal #		53
25) 2-Butanone	4.716	43	8417	2.753 ug/l		91
31) Cyclohexane	5.375	56	6041	0.995 ug/l #		4
36) 1,1-Dichloropropene	5.372	75	21073	4.497 ug/l #		48
37) Ethyl Acetate	4.716	43	8417	1.314 ug/l #		71
38) Carbon Tetrachloride	5.372	117	26520	5.396 ug/l #		15
40) Benzene	5.777	78	8358	0.591 ug/l		99
52) Toluene	7.970	92	22836	2.715 ug/l		100
59) 2-Hexanone	8.693	43	1414	0.286 ug/l		75
67) Ethyl Benzene	9.571	91	7423	0.468 ug/l		97
68) m/p-Xylenes	9.693	106	9664	1.647 ug/l		93
69) o-Xylene	10.102	106	3647	0.626 ug/l		89
76) 1,2,3-Trichloropropane	10.632	75	103488	15.678 ug/l #		45
81) trans-1,4-Dichloro-2-b...	10.533	75	6485	3.628 ug/l #		18
84) 1,2,4-Trimethylbenzene	11.468	105	16494	1.386 ug/l		72
85) sec-Butylbenzene	11.468	105	16494	1.101 ug/l #		56
93) 1,2,4-Trichlorobenzene	13.844	180	96	1.775 ug/l #		1
95) Naphthalene	14.089	128	39813	4.257 ug/l		99
96) 1,2,3-Trichlorobenzene	14.320	180	152	1.210 ug/l		66

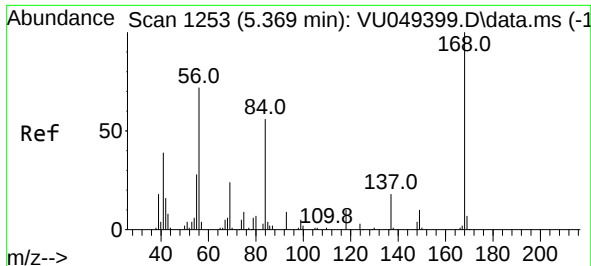
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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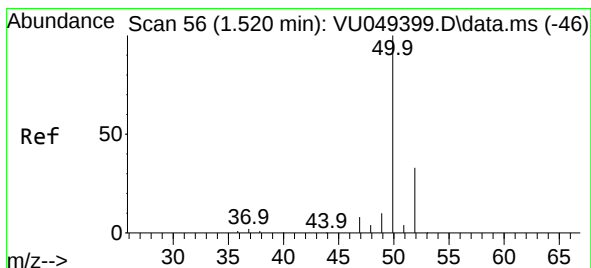
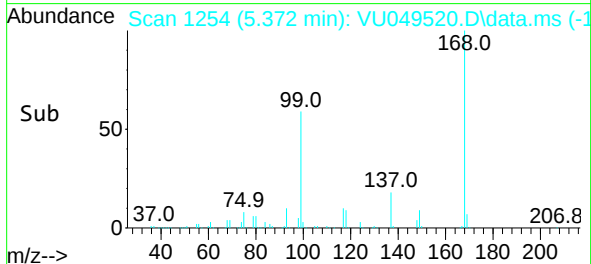
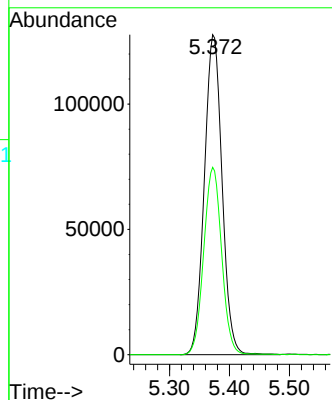
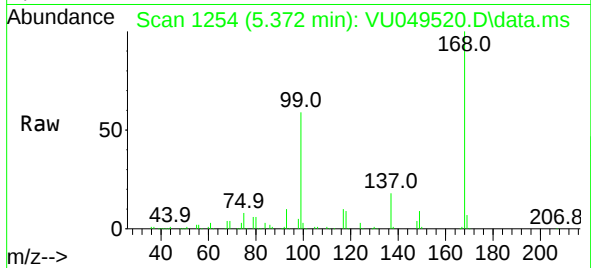




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

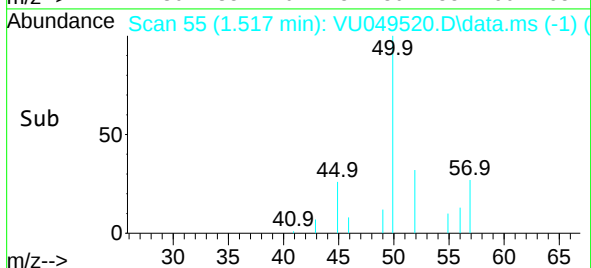
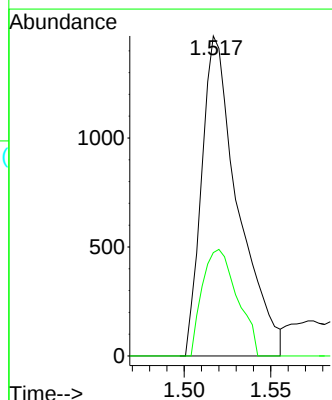
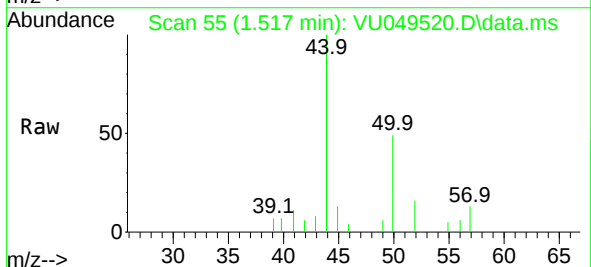
Instrument :
MSVOA_U
ClientSampleId :

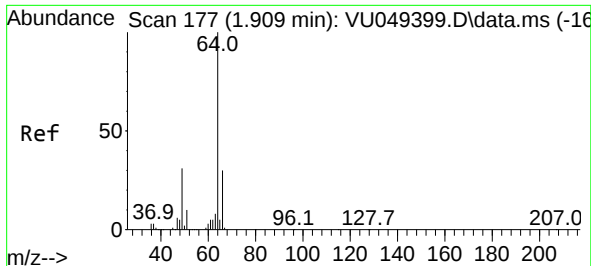
Tgt Ion:168 Resp: 262637
Ion Ratio Lower Upper
168 100
99 58.6 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

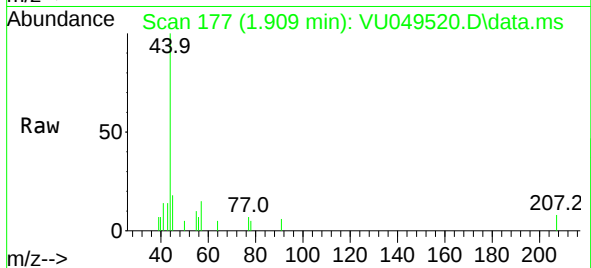
Tgt Ion: 50 Resp: 2141
Ion Ratio Lower Upper
50 100
52 32.3 27.4 41.2



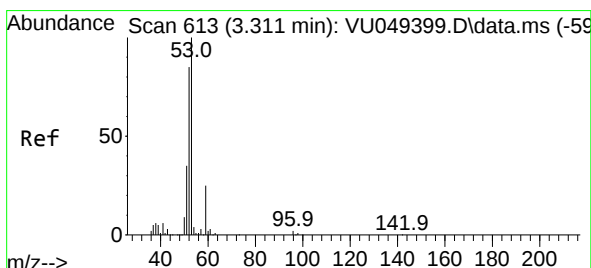
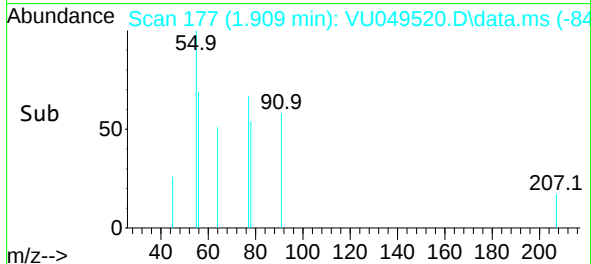
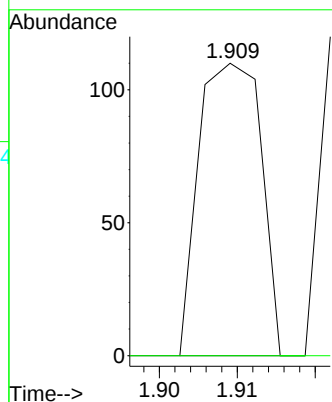


#6
Chloroethane
Concen: 1.945 ug/l
RT: 1.909 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Instrument :
MSVOA_U
ClientSampleId :

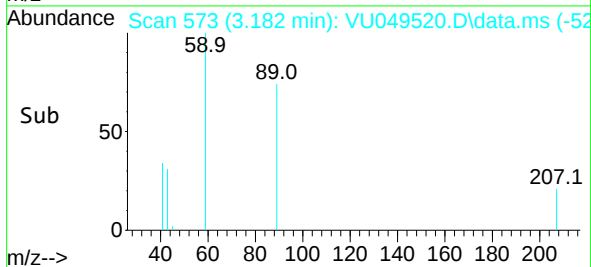
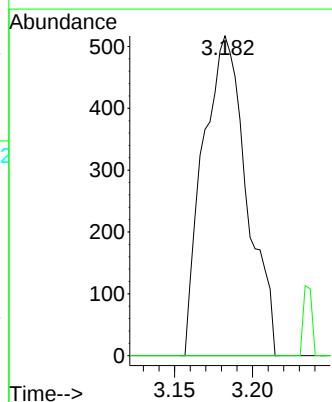
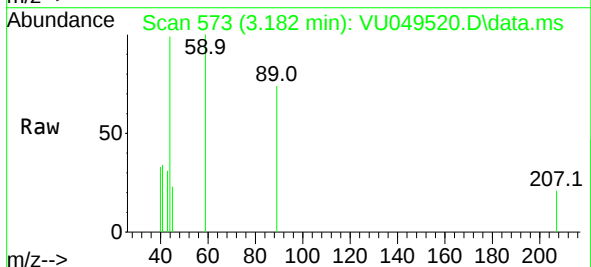


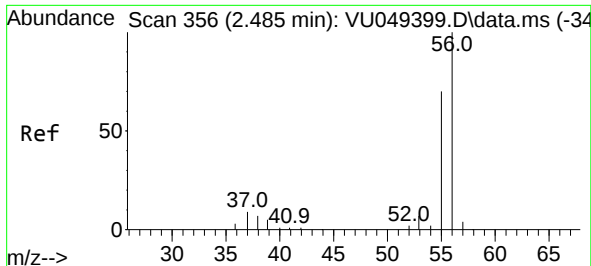
Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 1.064 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.129 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

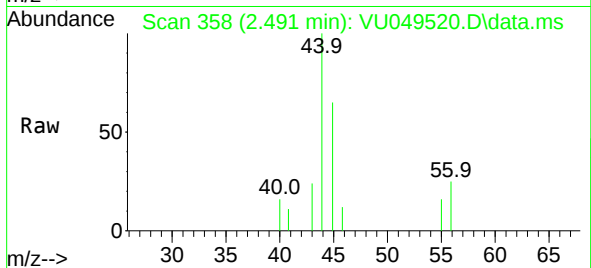
Tgt Ion: 59 Resp: 1007
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



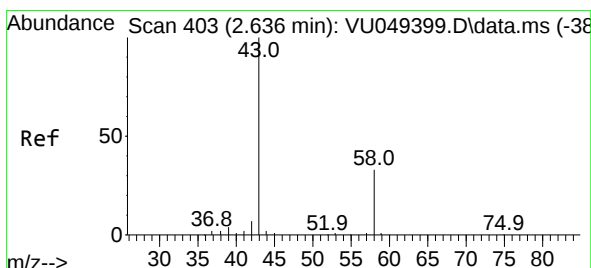
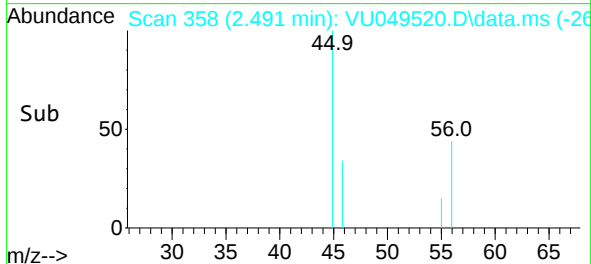
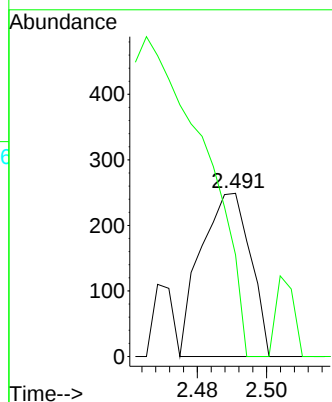


#13
Acrolein
Concen: 0.387 ug/l
RT: 2.491 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Instrument :
MSVOA_U
ClientSampleId :

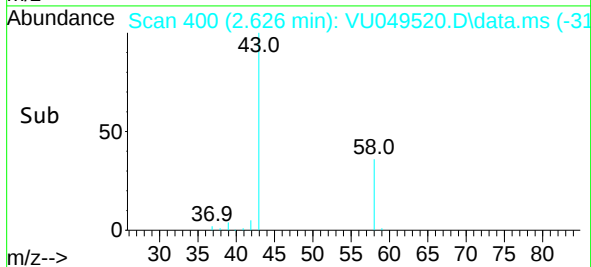
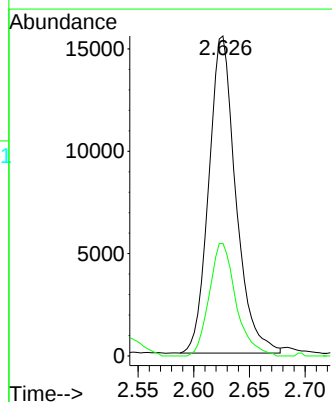
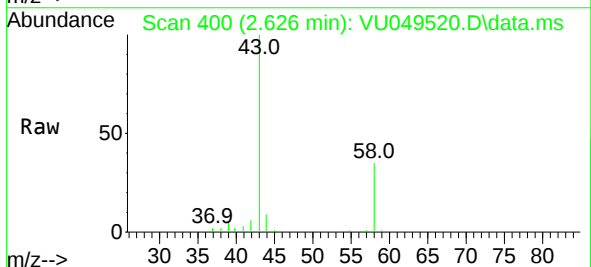


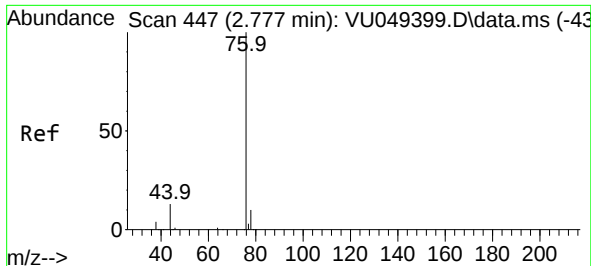
Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 17.7 56.6 85.0#



#16
Acetone
Concen: 12.843 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.010 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion: 43 Resp: 26197
Ion Ratio Lower Upper
43 100
58 35.5 27.5 41.3

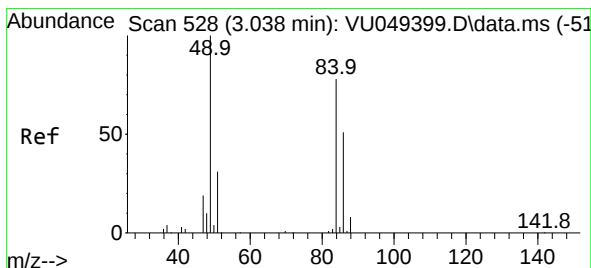
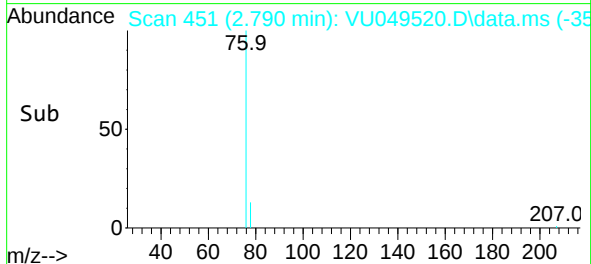
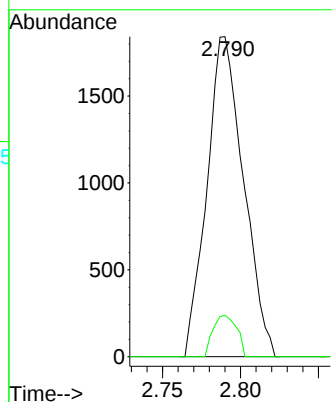
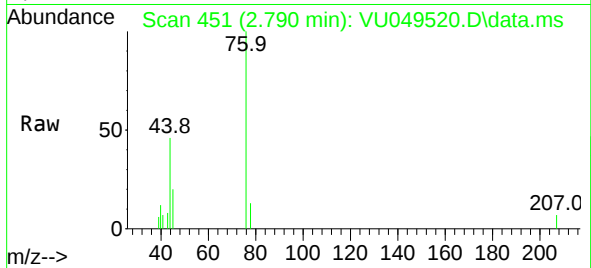




#17
Carbon Disulfide
Concen: 0.338 ug/l
RT: 2.790 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

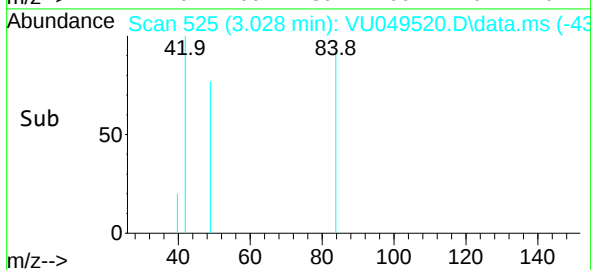
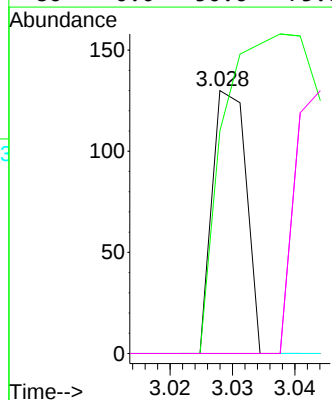
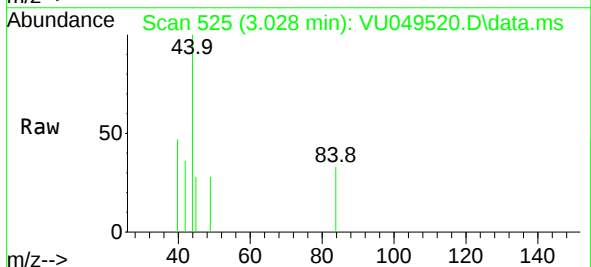
Instrument :
MSVOA_U
ClientSampleId :

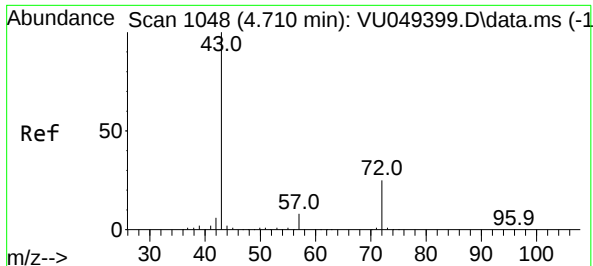
Tgt Ion: 76 Resp: 3009
Ion Ratio Lower Upper
76 100
78 12.9 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.028 min Scan# 525
Delta R.T. -0.010 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion: 84 Resp: 49
Ion Ratio Lower Upper
84 100
49 84.6 86.6 129.8#
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#





#25

2-Butanone

Concen: 2.753 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU049520.D

Acq: 29 Jun 2022 17:54

Instrument :

MSVOA_U

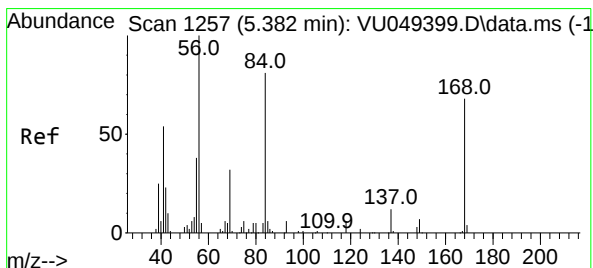
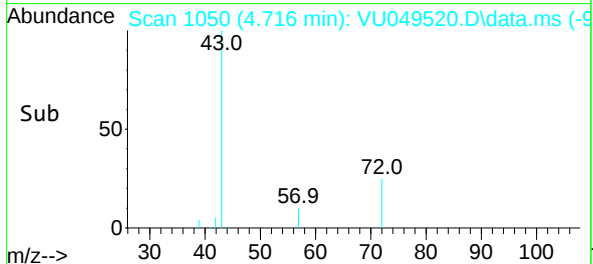
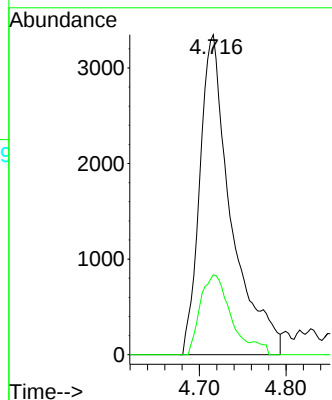
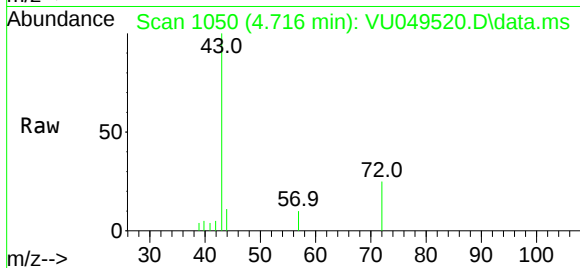
ClientSampleId :

Tgt Ion: 43 Resp: 8417

Ion Ratio Lower Upper

43 100

72 25.0 23.8 35.6



#31

Cyclohexane

Concen: 0.995 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.006 min

Lab File: VU049520.D

Acq: 29 Jun 2022 17:54

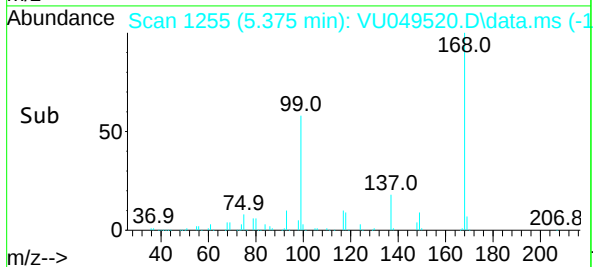
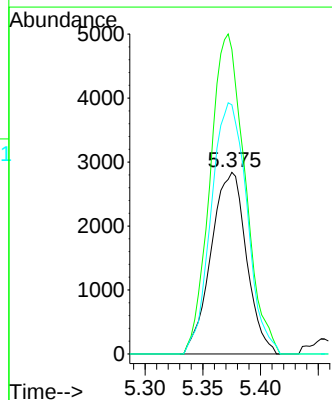
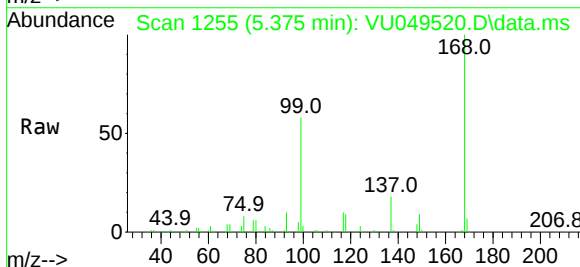
Tgt Ion: 56 Resp: 6041

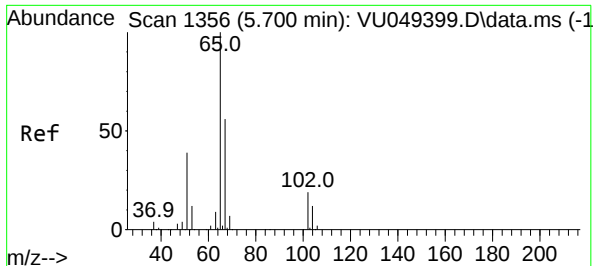
Ion Ratio Lower Upper

56 100

69 167.6 27.8 41.8#

84 137.2 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 45.133 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049520.D

Acq: 29 Jun 2022 17:54

Instrument :

MSVOA_U

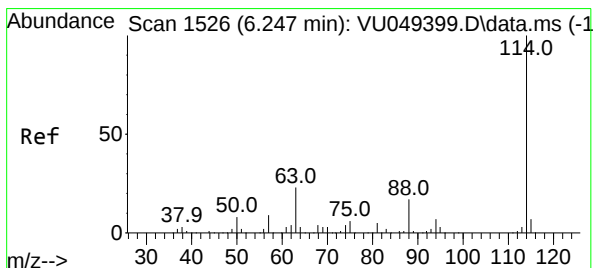
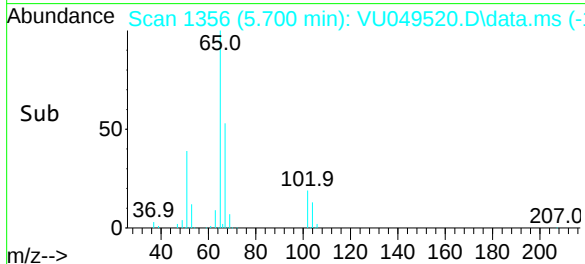
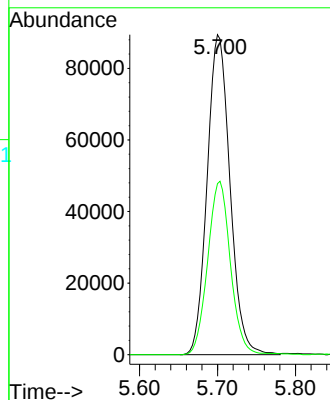
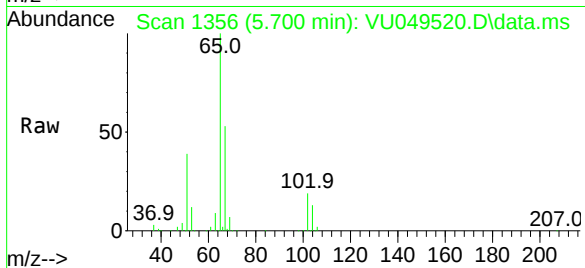
ClientSampleId :

Tgt Ion: 65 Resp: 182554

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049520.D

Acq: 29 Jun 2022 17:54

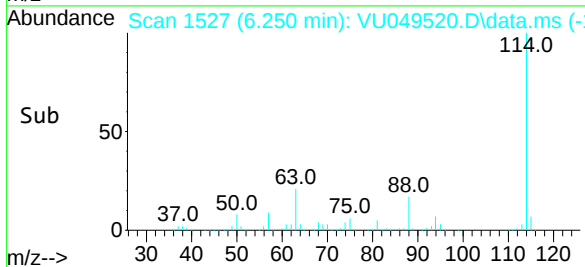
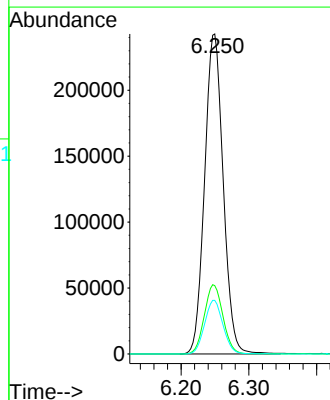
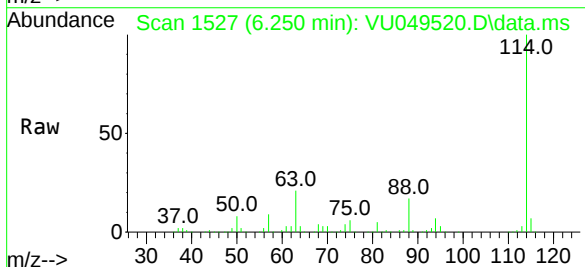
Tgt Ion: 114 Resp: 461968

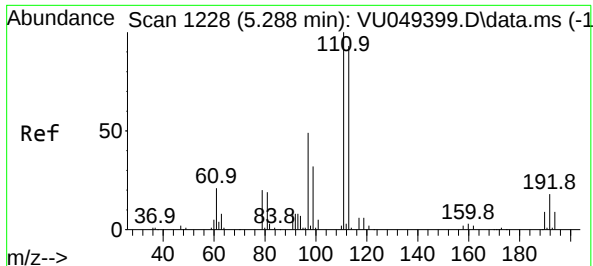
Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

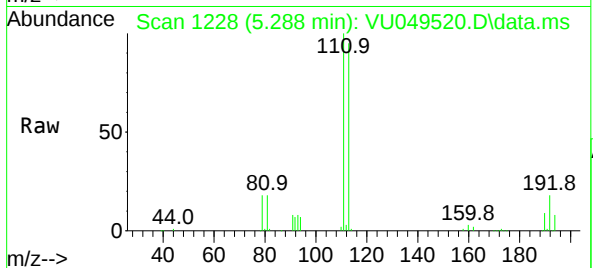
88 16.8 0.0 29.2



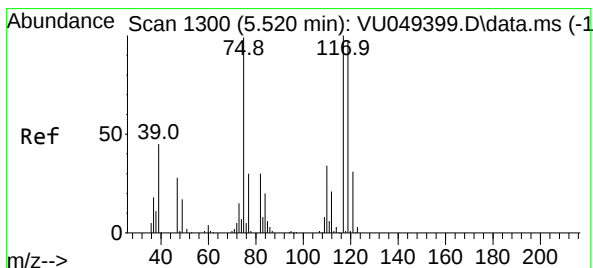
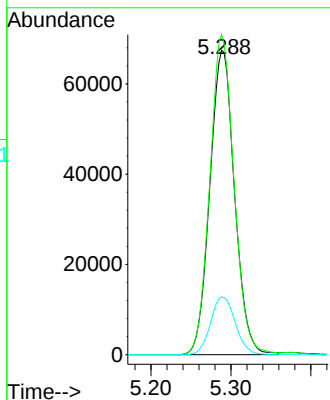
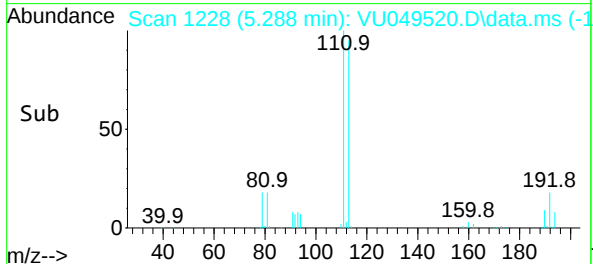


#35
Dibromofluoromethane
Concen: 44.660 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Instrument :
MSVOA_U
ClientSampleId :

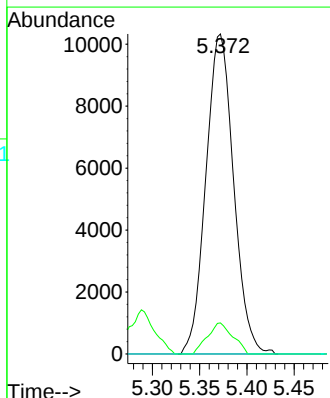
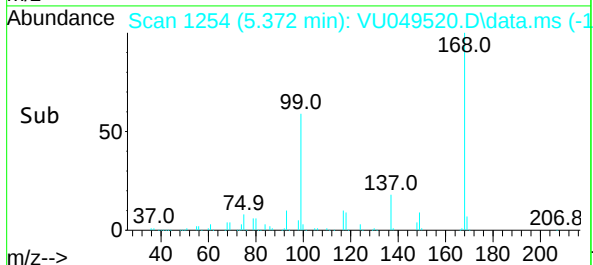
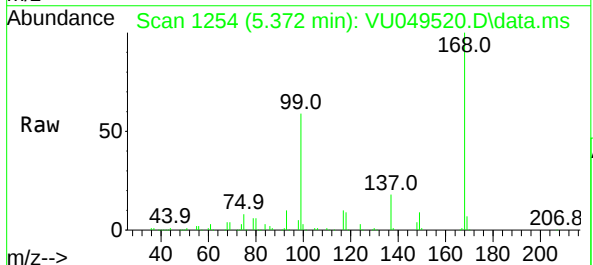


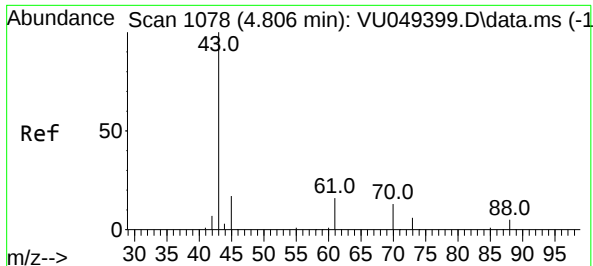
Tgt Ion:113 Resp: 144342
Ion Ratio Lower Upper
113 100
111 103.3 82.1 123.1
192 19.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.497 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion: 75 Resp: 21073
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.314 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. -0.090 min

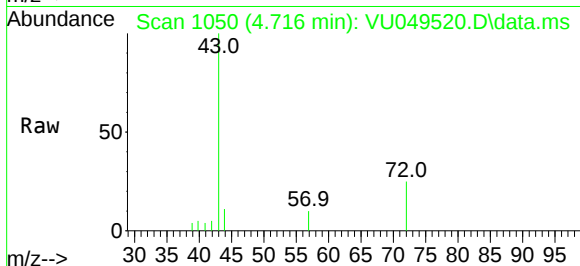
Lab File: VU049520.D

Acq: 29 Jun 2022 17:54

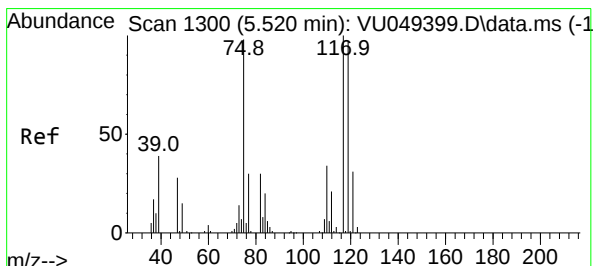
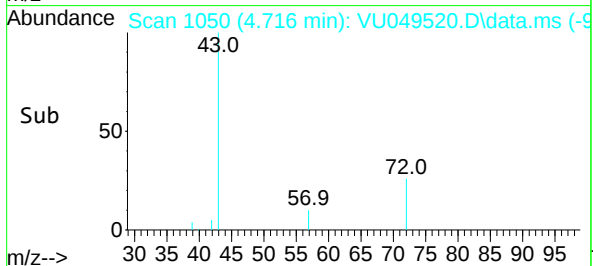
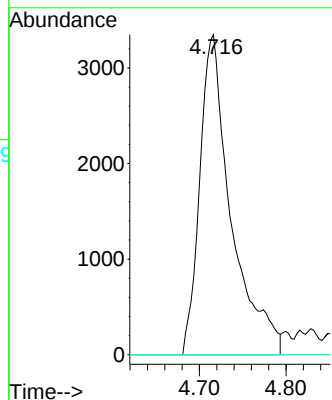
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43	Resp: 8417
Ion Ratio	Lower Upper
43	100
61	0.0 9.5 14.3#
70	0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.396 ug/l

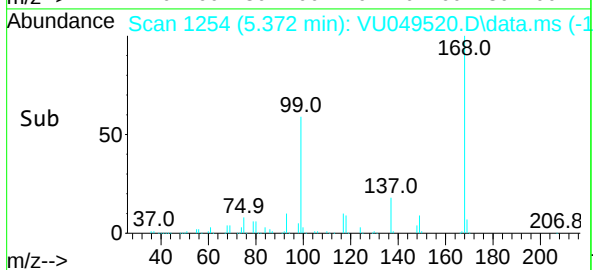
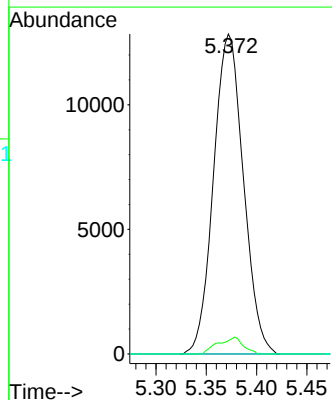
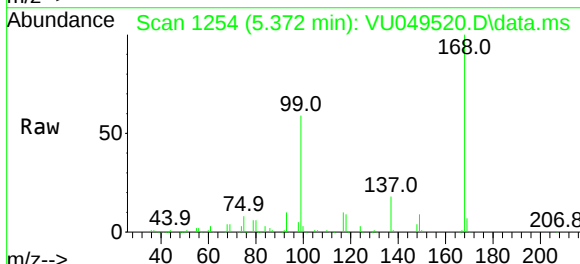
RT: 5.372 min Scan# 1254

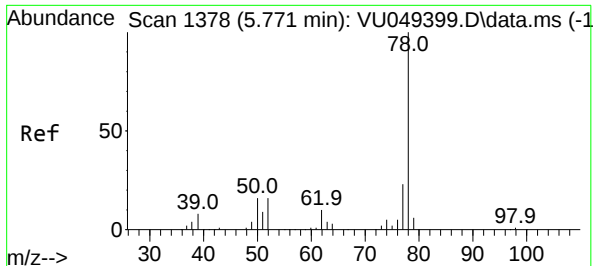
Delta R.T. -0.148 min

Lab File: VU049520.D

Acq: 29 Jun 2022 17:54

Tgt Ion: 117	Resp: 26520
Ion Ratio	Lower Upper
117	100
119	4.2 76.8 115.2#
121	0.0 24.7 37.1#

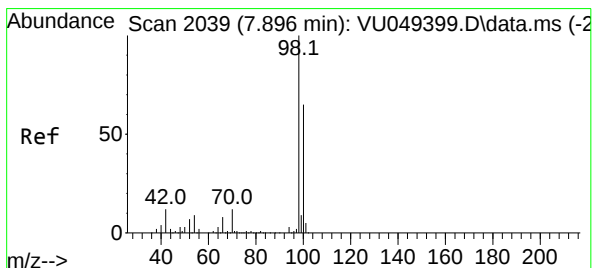
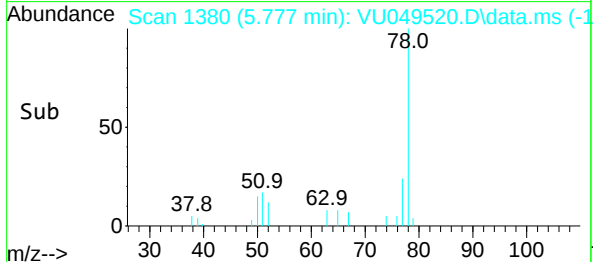
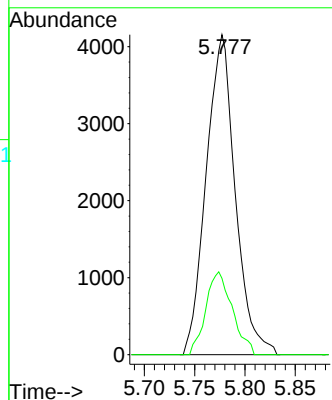
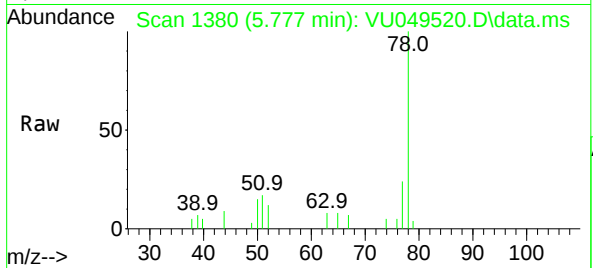




#40
Benzene
Concen: 0.591 ug/l
RT: 5.777 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

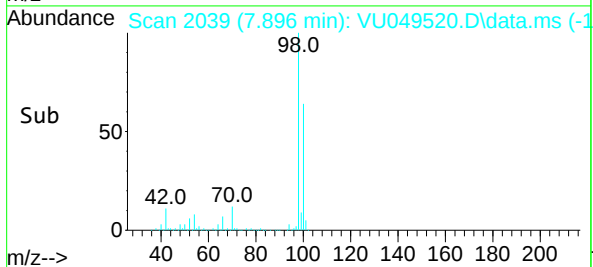
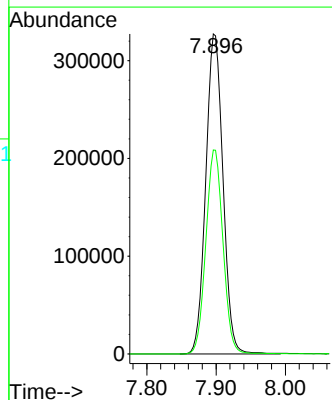
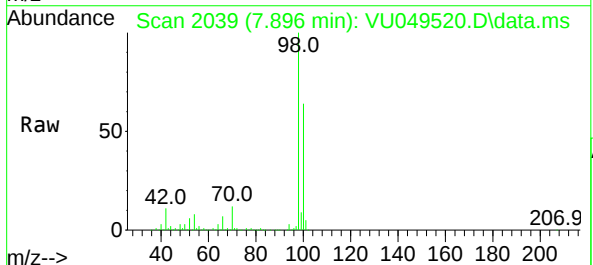
Instrument :
MSVOA_U
ClientSampleId :

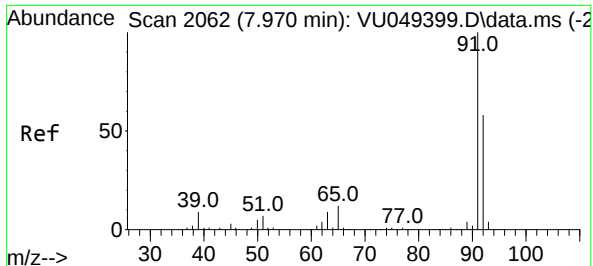
Tgt Ion: 78 Resp: 8358
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



#50
Toluene-d8
Concen: 48.876 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion: 98 Resp: 563434
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

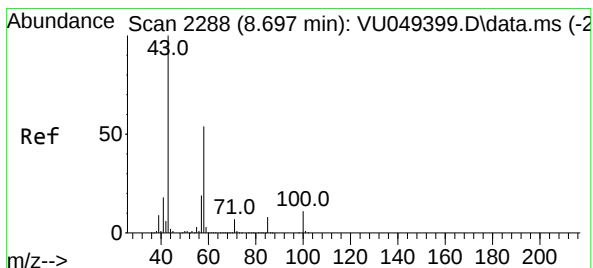
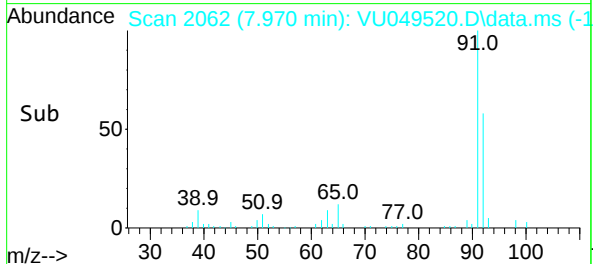
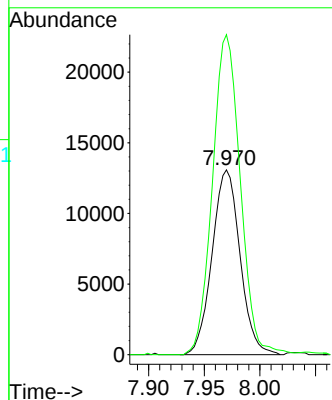
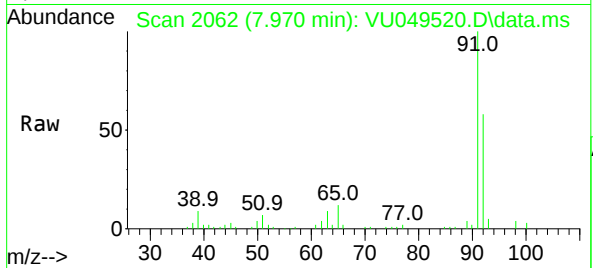




#52
Toluene
Concen: 2.715 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

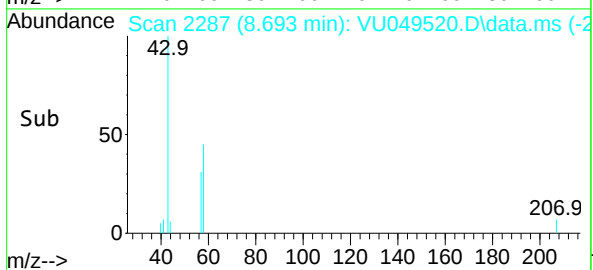
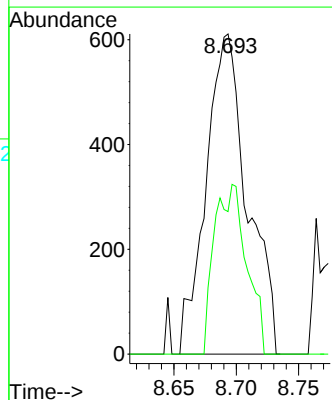
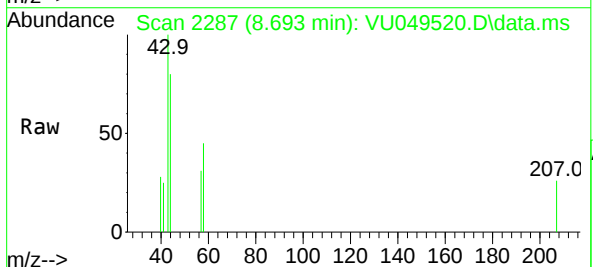
Instrument :
MSVOA_U
ClientSampleId :

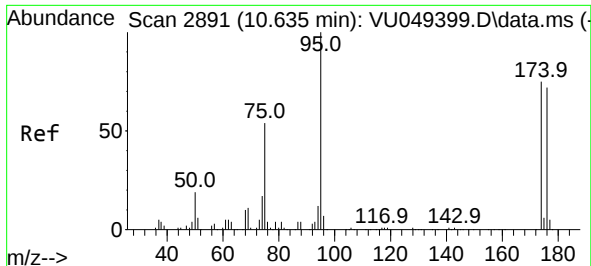
Tgt Ion: 92 Resp: 22836
Ion Ratio Lower Upper
92 100
91 172.3 138.2 207.4



#59
2-Hexanone
Concen: 0.286 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
58 41.3 30.3 90.8

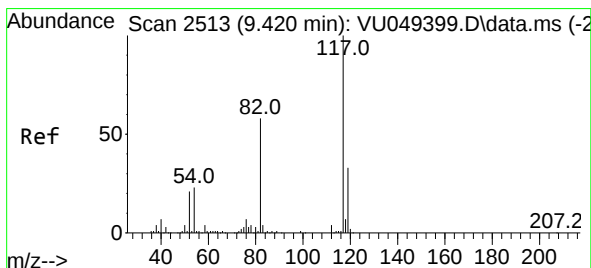
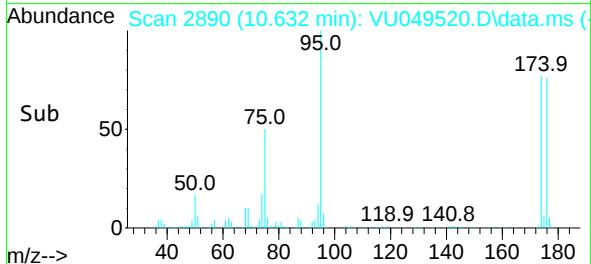
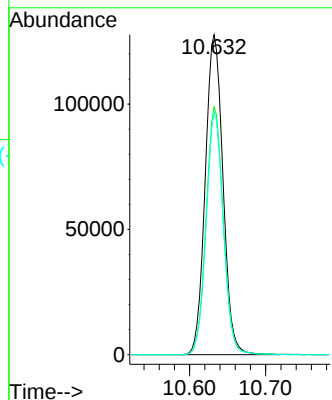
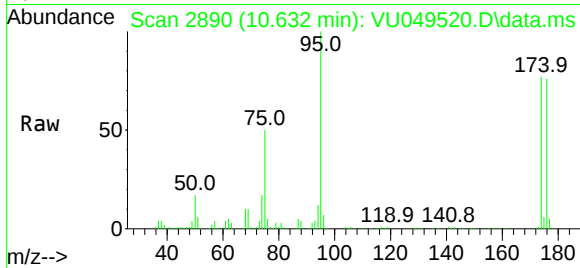




#62
4-Bromofluorobenzene
Concen: 46.825 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

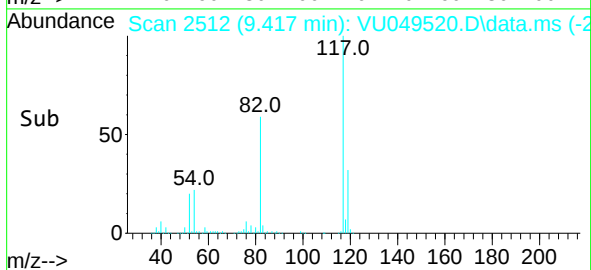
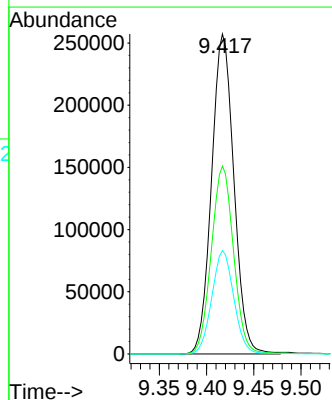
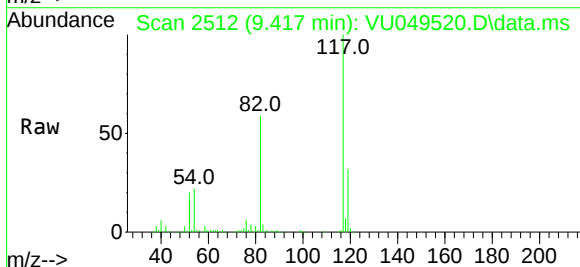
Instrument :
MSVOA_U
ClientSampleId :

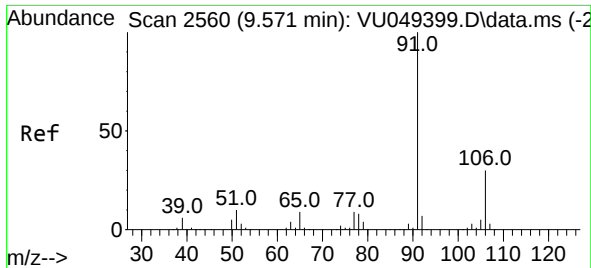
Tgt Ion: 95 Resp: 206775
Ion Ratio Lower Upper
95 100
174 75.5 0.0 182.0
176 73.3 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion: 117 Resp: 422529
Ion Ratio Lower Upper
117 100
82 58.7 41.7 62.5
119 32.3 25.7 38.5

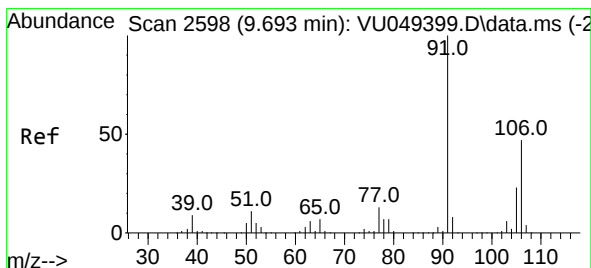
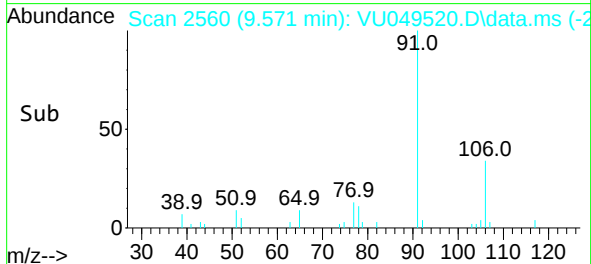
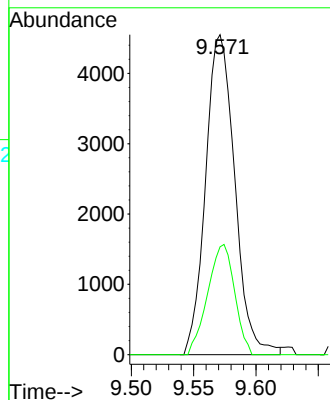
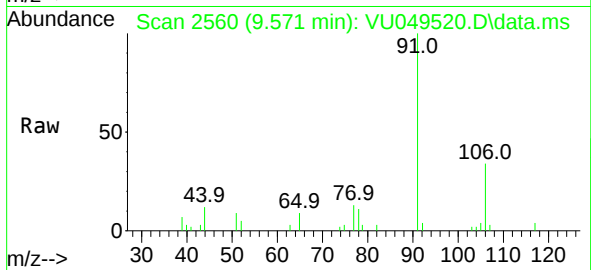




#67
Ethyl Benzene
Concen: 0.468 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

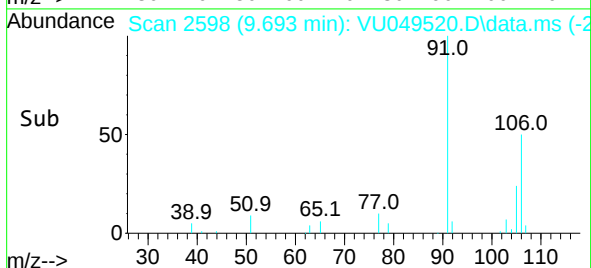
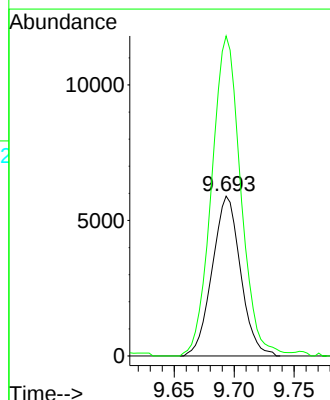
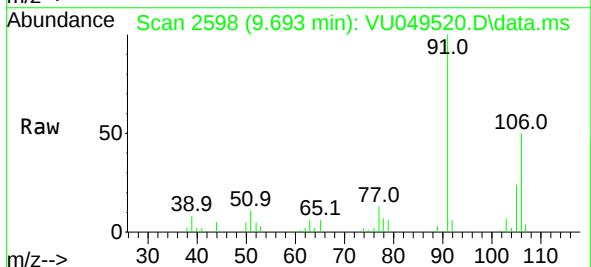
Instrument :
MSVOA_U
ClientSampleId :

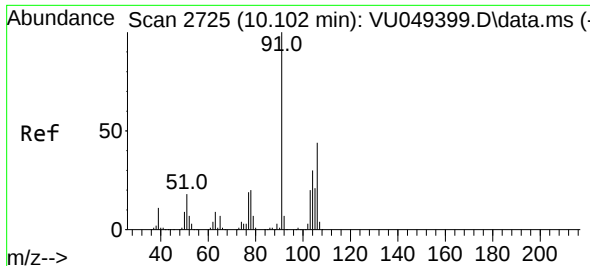
Tgt Ion: 91 Resp: 7423
Ion Ratio Lower Upper
91 100
106 33.7 25.6 38.4



#68
m/p-Xylenes
Concen: 1.647 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion:106 Resp: 9664
Ion Ratio Lower Upper
106 100
91 206.6 157.2 235.8

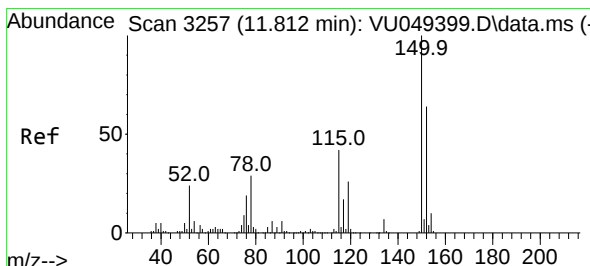
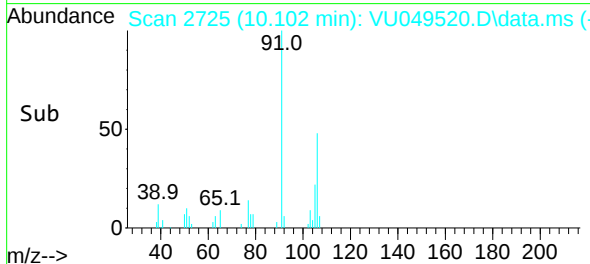
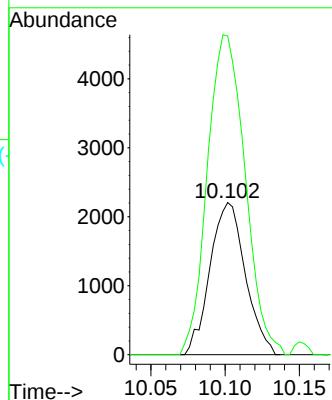
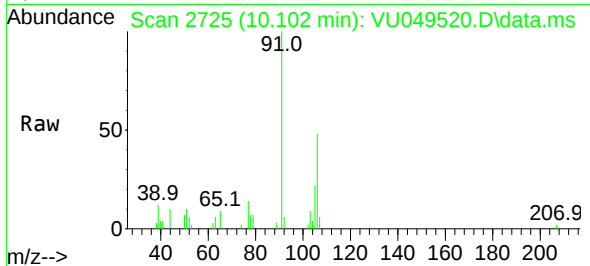




#69
o-Xylene
Concen: 0.626 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

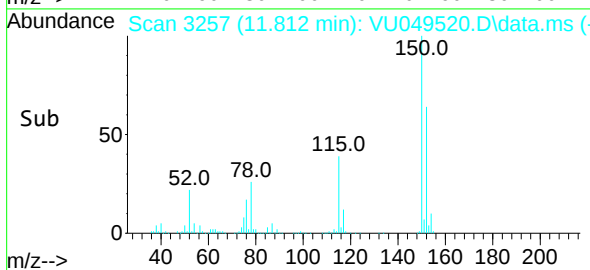
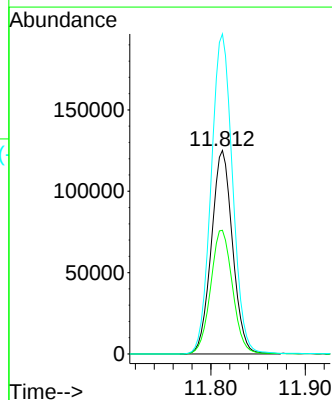
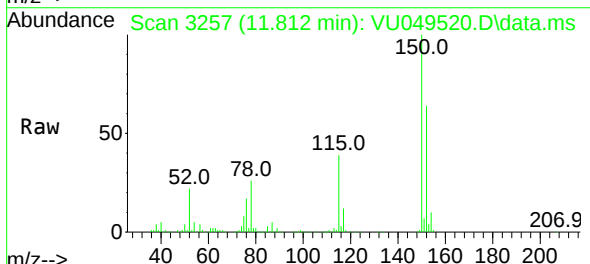
Instrument :
MSVOA_U
ClientSampleId :

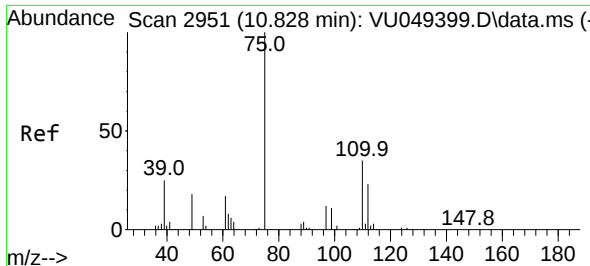
Tgt Ion:106 Resp: 3647
Ion Ratio Lower Upper
106 100
91 224.2 103.5 310.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion:152 Resp: 194717
Ion Ratio Lower Upper
152 100
115 62.9 37.0 110.9
150 159.0 0.0 342.2

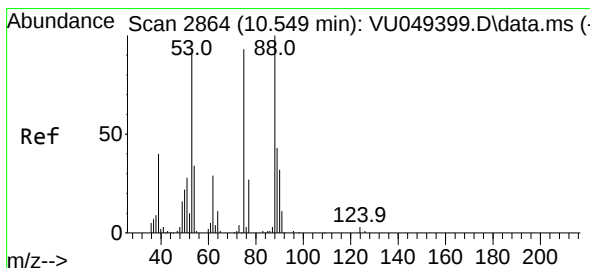
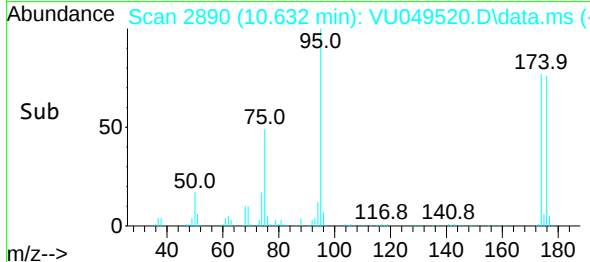
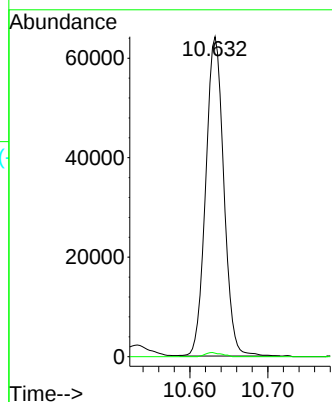
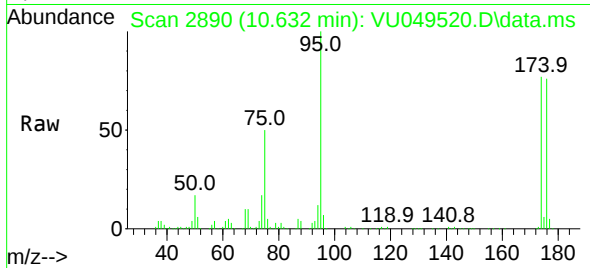




#76
1,2,3-Trichloropropane
Concen: 15.678 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

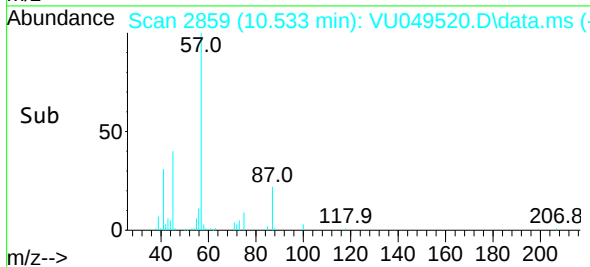
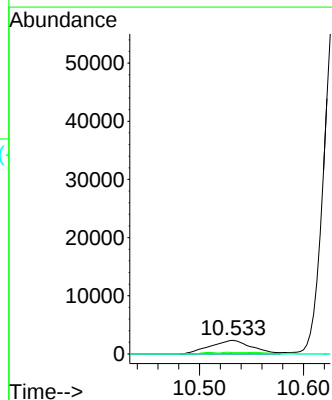
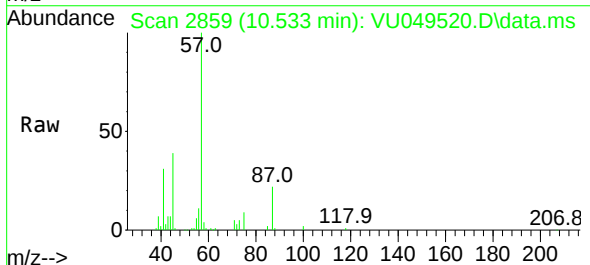
Instrument :
MSVOA_U
ClientSampleId :

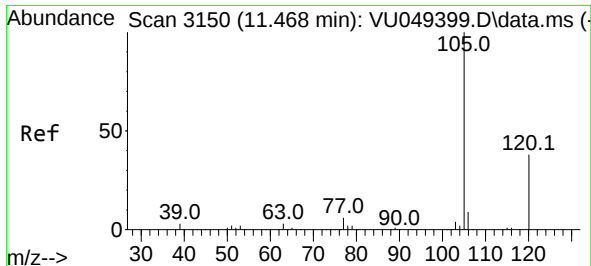
Tgt Ion: 75 Resp: 103488
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 3.628 ug/l
RT: 10.533 min Scan# 2859
Delta R.T. -0.016 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Tgt Ion: 75 Resp: 6485
Ion Ratio Lower Upper
75 100
53 4.3 69.2 103.8#
89 0.0 37.0 55.6#

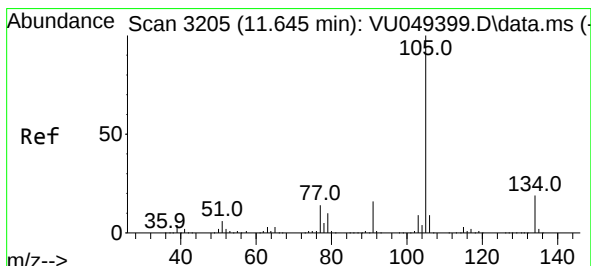
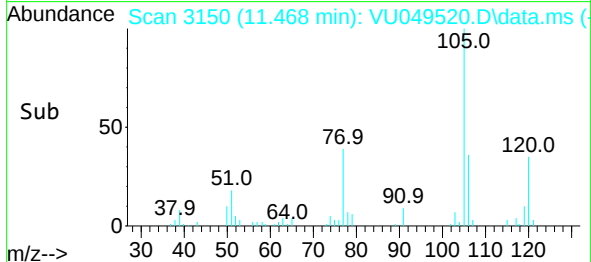
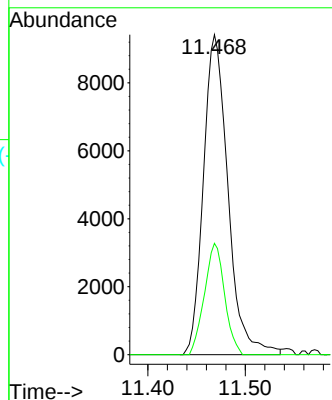
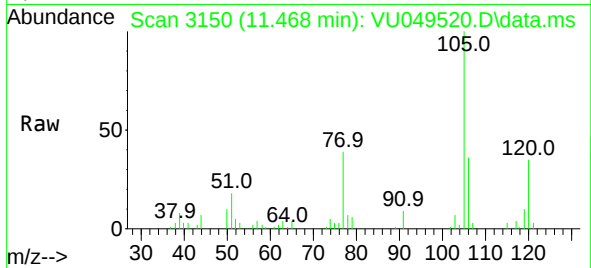




#84
1,2,4-Trimethylbenzene
Concen: 1.386 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

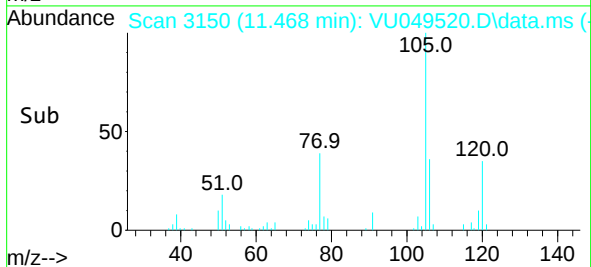
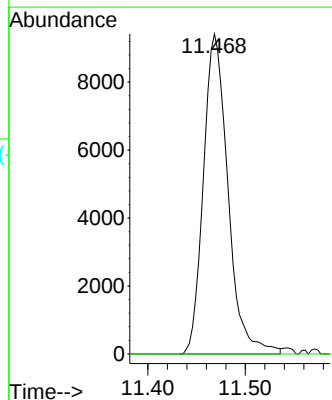
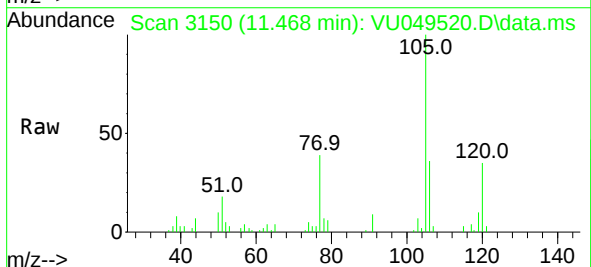
Instrument :
MSVOA_U
ClientSampleId :

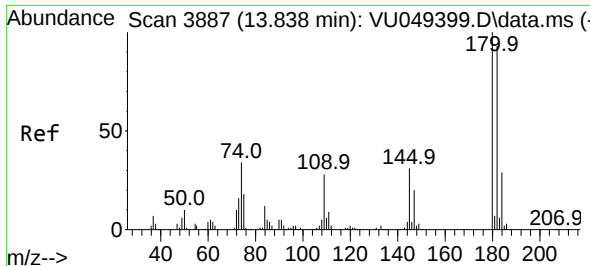
Tgt Ion:105 Resp: 16494
Ion Ratio Lower Upper
105 100
120 28.5 23.4 70.3



#85
sec-Butylbenzene
Concen: 1.101 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.177 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

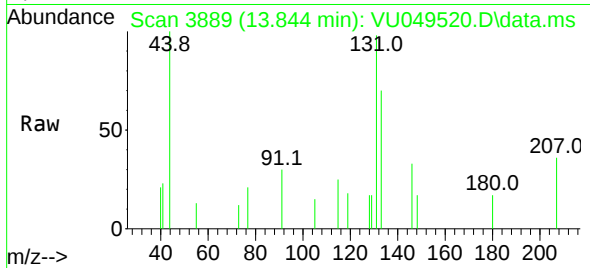
Tgt Ion:105 Resp: 16494
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#



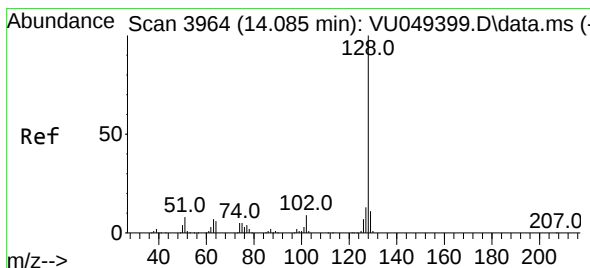
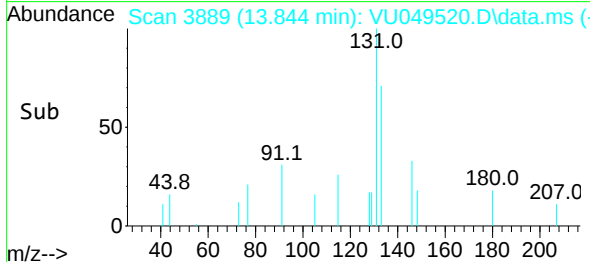
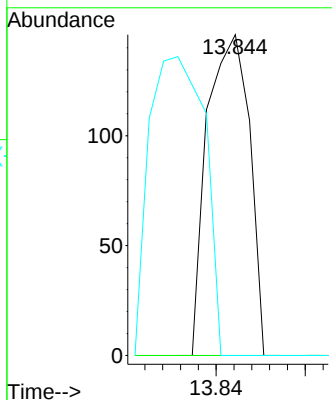


#93
1,2,4-Trichlorobenzene
Concen: 1.775 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

Instrument :
MSVOA_U
ClientSampleId :

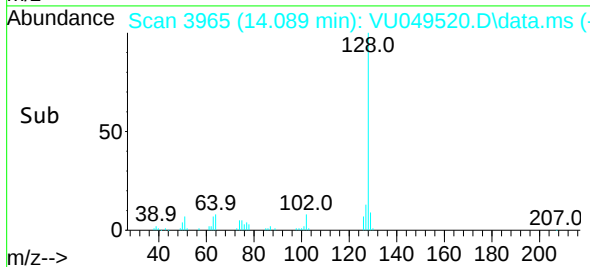
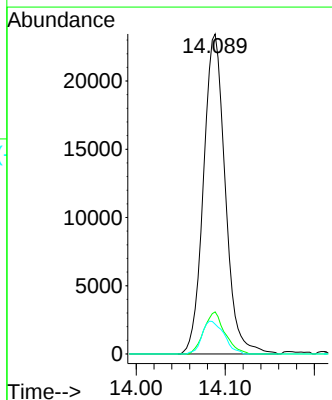
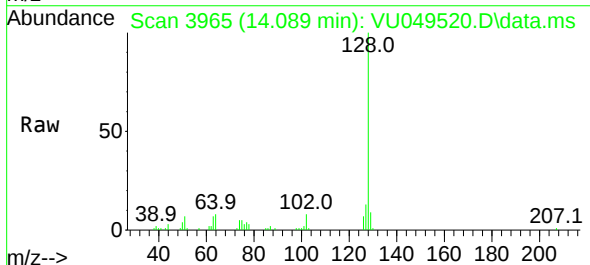


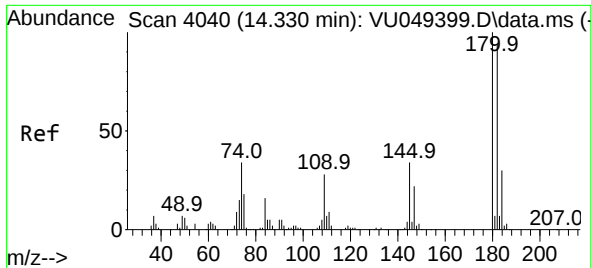
Tgt Ion:180 Resp: 96
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 122.9 14.0 41.9#



#95
Naphthalene
Concen: 4.257 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU049520.D
Acq: 29 Jun 2022 17:54

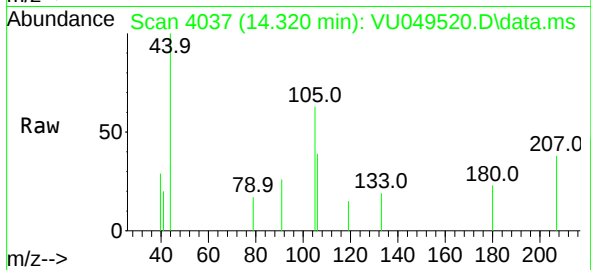
Tgt Ion:128 Resp: 39813
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.210 ug/l
 RT: 14.320 min Scan# 4040
 Delta R.T. -0.010 min
 Lab File: VU049520.D
 Acq: 29 Jun 2022 17:54

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	152
Ion	Ratio	Lower	Upper
180	100		
182	53.9	48.4	145.0
145	30.9	14.8	44.4

