

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070522\
 Data File : VU049609.D
 Acq On : 05 Jul 2022 11:35
 Operator : SY/MD
 Sample : VU0705MBL01
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705MBL01

Quant Time: Jul 06 07:46:32 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)

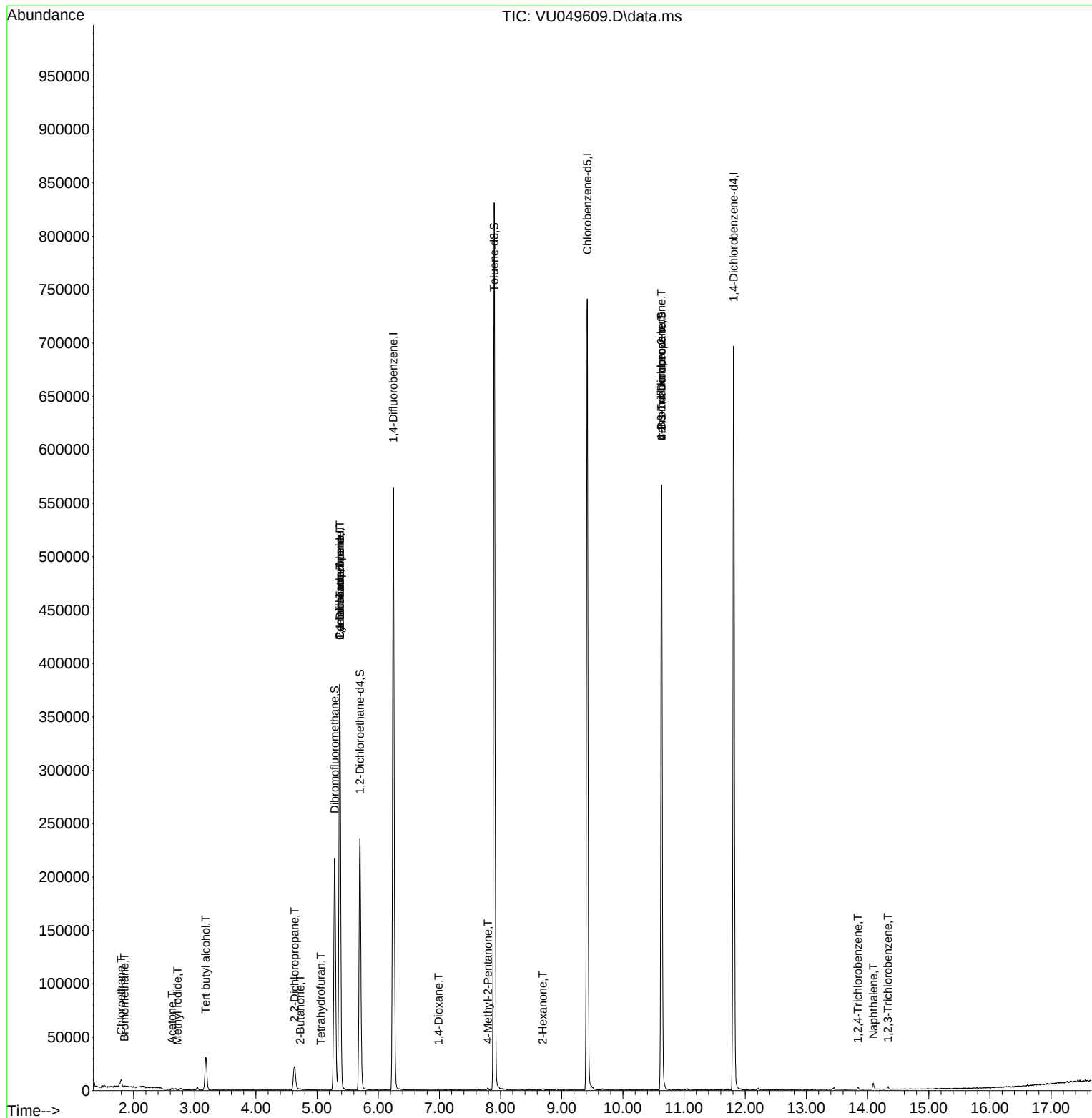
Internal Standards						
1) Pentafluorobenzene	5.372	168	263136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	452280	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	410192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	188252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	175825	43.387	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.780%		
35) Dibromofluoromethane	5.288	113	142090	44.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.800%		
50) Toluene-d8	7.896	98	546059	48.383	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.760%		
62) 4-Bromofluorobenzene	10.632	95	197696	45.728	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.460%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	2080	Below Cal		97
5) Bromomethane	1.851	94	371	0.280 ug/l		100
6) Chloroethane	1.797	64	19	1.925 ug/l #		44
10) Methyl Iodide	2.719	142	116	7.547 ug/l #		43
11) Tert butyl alcohol	3.179	59	18486	19.489 ug/l #		39
16) Acetone	2.629	43	1539	0.753 ug/l #		76
20) Methylene Chloride	3.041	84	1002	Below Cal		96
25) 2-Butanone	4.726	43	834	0.272 ug/l #		45
26) 2,2-Dichloropropane	4.633	77	1415	0.268 ug/l #		52
29) Tetrahydrofuran	5.063	42	510	0.243 ug/l #		56
31) Cyclohexane	5.372	56	5600	0.920 ug/l #		16
36) 1,1-Dichloropropene	5.372	75	21468	4.679 ug/l #		48
38) Carbon Tetrachloride	5.372	117	26937	5.598 ug/l #		17
49) 1,4-Dioxane	6.986	88	41	0.372 ug/l #		58
51) 4-Methyl-2-Pentanone	7.793	43	1267	0.206 ug/l #		81
59) 2-Hexanone	8.690	43	1451	0.300 ug/l		79
76) 1,2,3-Trichloropropane	10.632	75	100150	15.694 ug/l #		45
81) trans-1,4-Dichloro-2-b...	10.632	75	100150	57.955 ug/l #		15
93) 1,2,4-Trichlorobenzene	13.841	180	852	1.949 ug/l #		15
95) Naphthalene	14.095	128	6371	2.153 ug/l #		91
96) 1,2,3-Trichlorobenzene	14.333	180	1000	1.402 ug/l		96

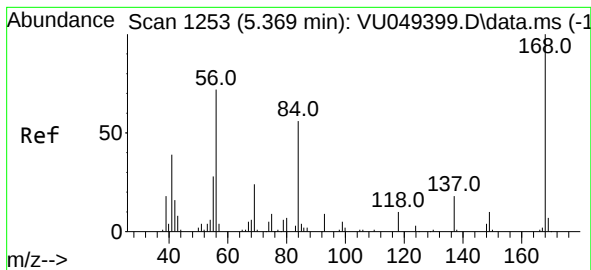
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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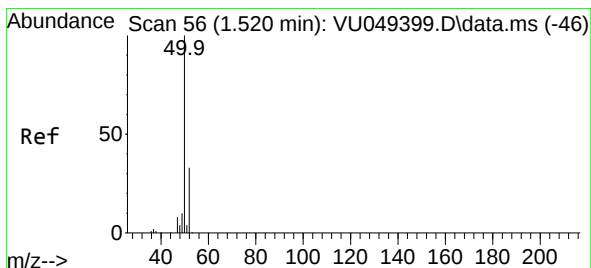
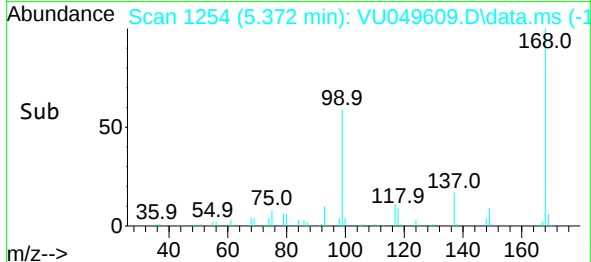
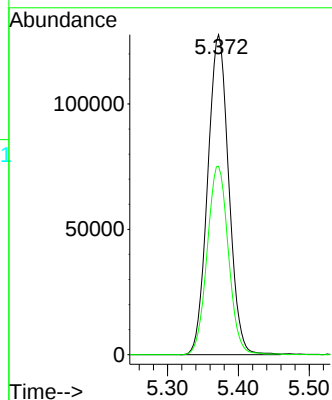
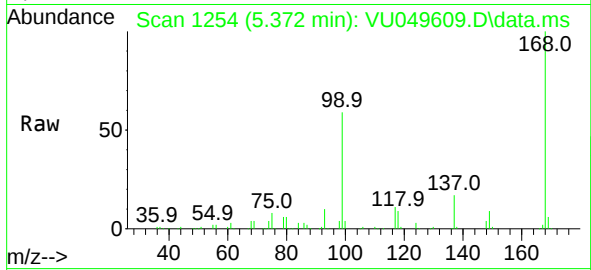




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

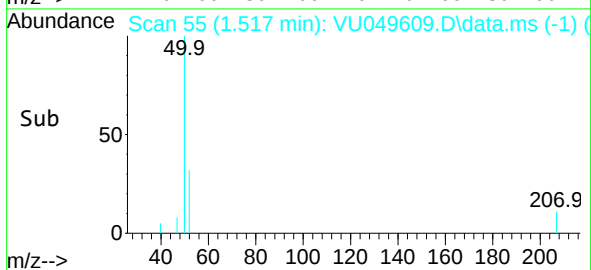
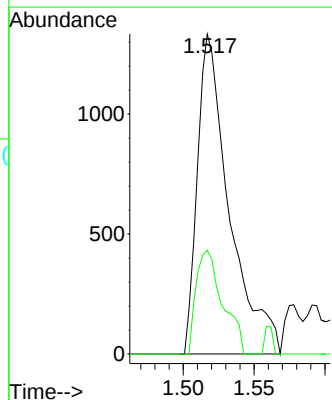
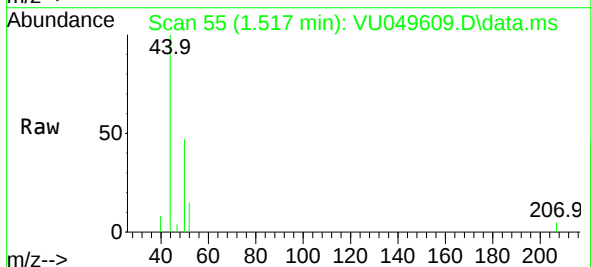
Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

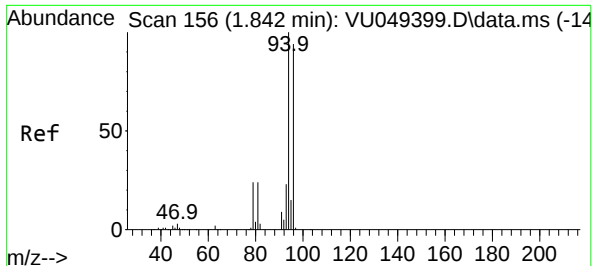
Tgt Ion:168 Resp: 263136
Ion Ratio Lower Upper
168 100
99 58.9 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Tgt Ion: 50 Resp: 2080
Ion Ratio Lower Upper
50 100
52 32.4 27.4 41.2

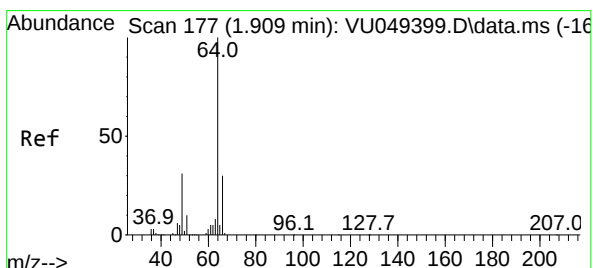
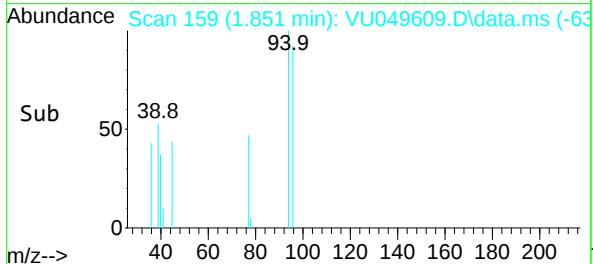
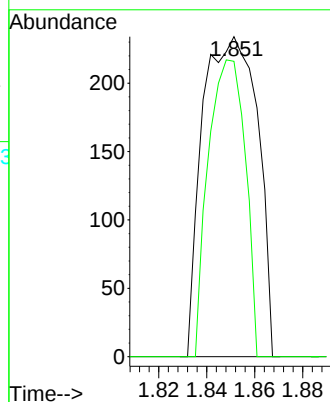
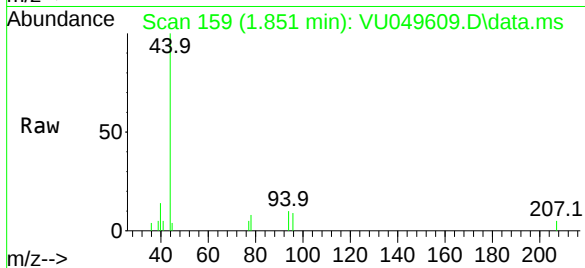




#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.851 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

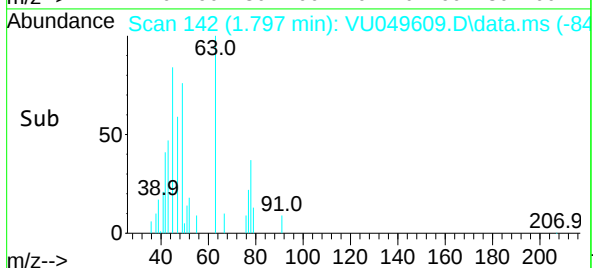
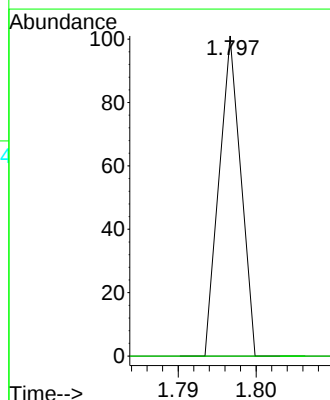
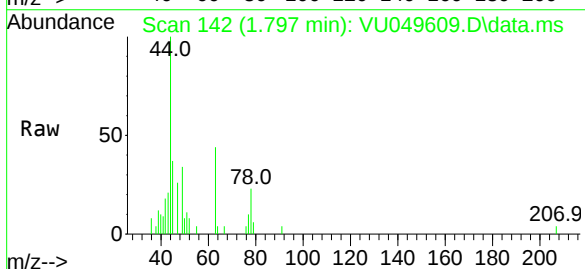
Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

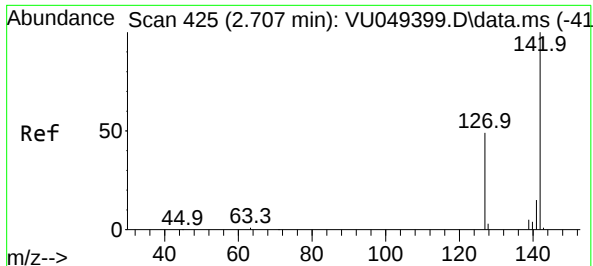
Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 92.3 73.7 110.5



#6
Chloroethane
Concen: 1.925 ug/l
RT: 1.797 min Scan# 142
Delta R.T. -0.112 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

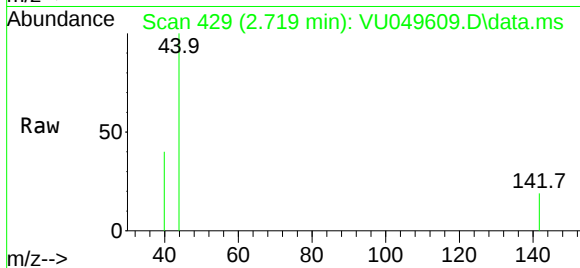
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



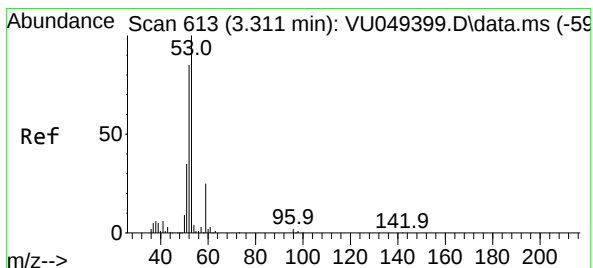
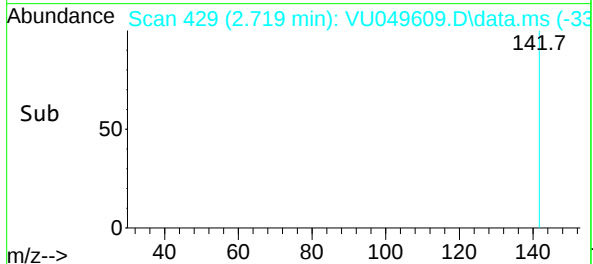
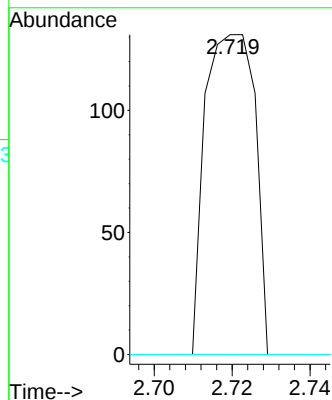


#10
Methyl Iodide
Concen: 7.547 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

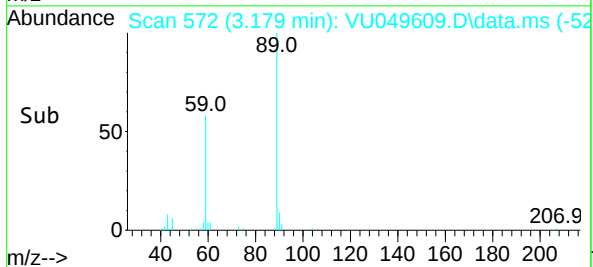
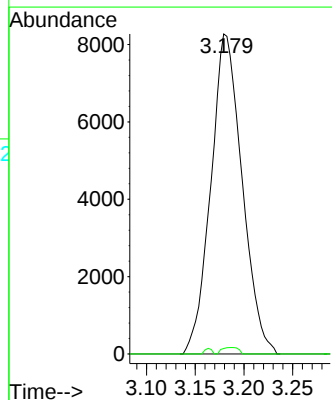
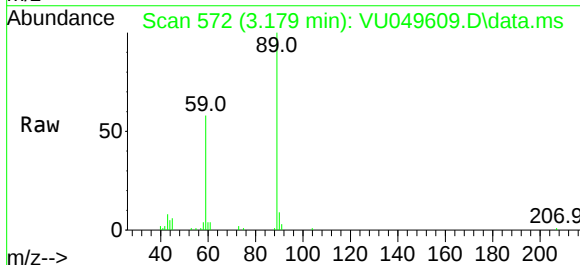


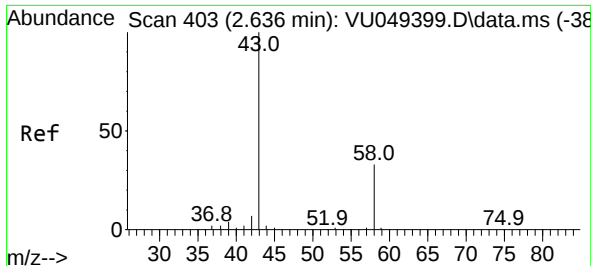
Tgt Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 19.489 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.132 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Tgt Ion: 59 Resp: 18486
Ion Ratio Lower Upper
59 100
57 1.1 30.6 45.8#

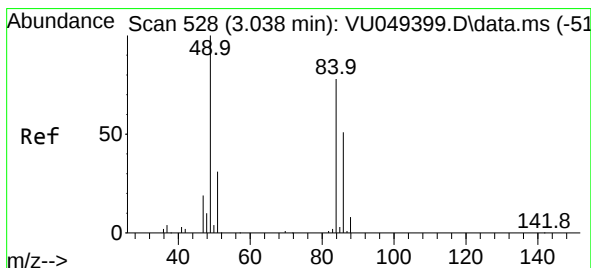
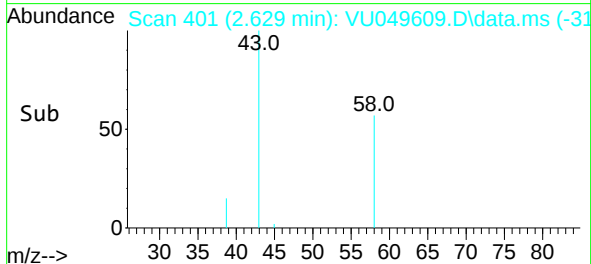
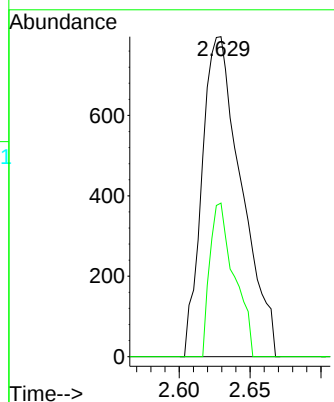
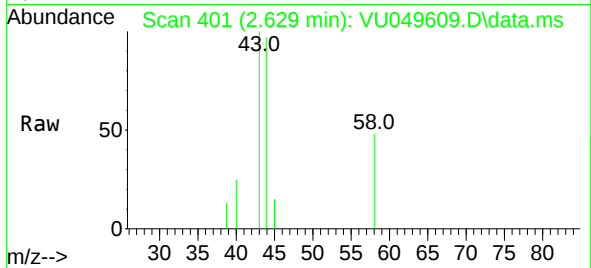




#16
Acetone
Concen: 0.753 ug/l
RT: 2.629 min Scan# 403
Delta R.T. -0.006 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

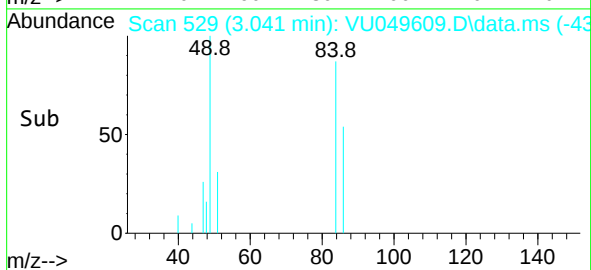
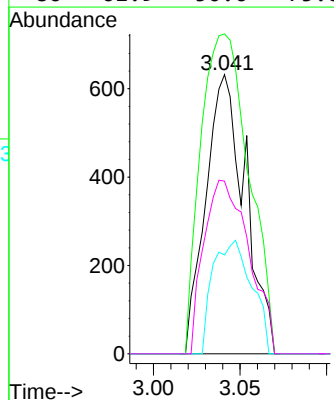
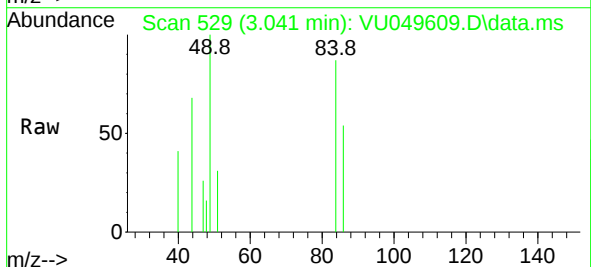
Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

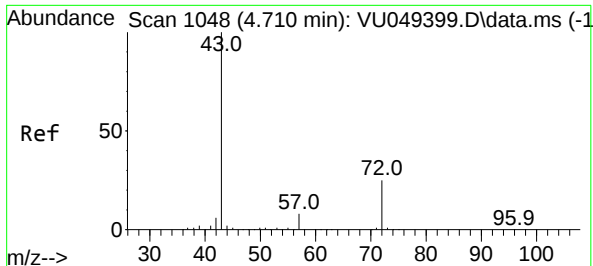
Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 48.0 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 529
Delta R.T. 0.003 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Tgt Ion: 84 Resp: 1002
Ion Ratio Lower Upper
84 100
49 114.6 86.6 129.8
51 35.4 26.6 40.0
86 61.9 50.6 75.8





#25

2-Butanone

Concen: 0.272 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.016 min

Lab File: VU049609.D

Acq: 05 Jul 2022 11:35

Instrument :

MSVOA_U

ClientSampleId :

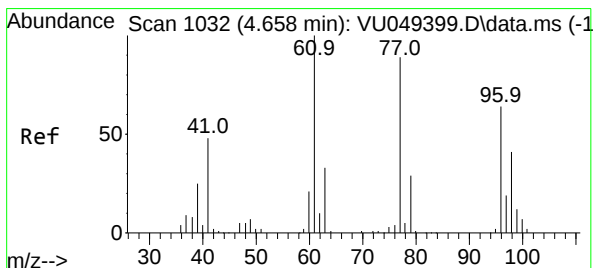
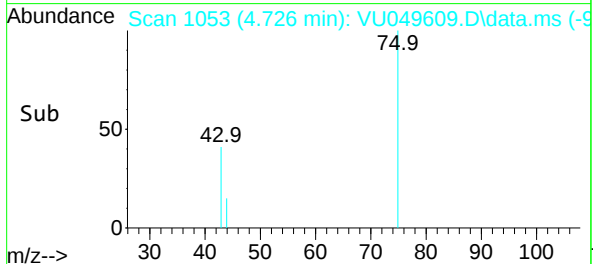
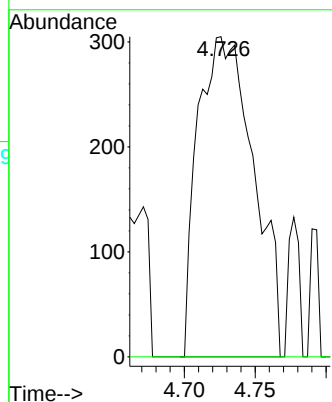
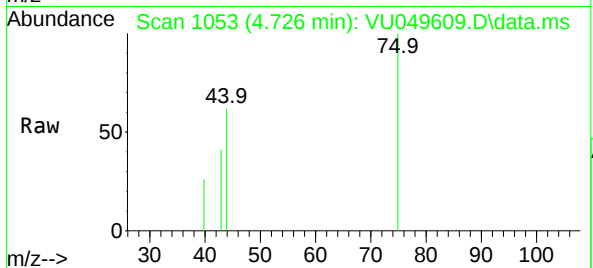
VU0705MBL01

Tgt Ion: 43 Resp: 834

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#26

2,2-Dichloropropane

Concen: 0.268 ug/l

RT: 4.633 min Scan# 1024

Delta R.T. -0.026 min

Lab File: VU049609.D

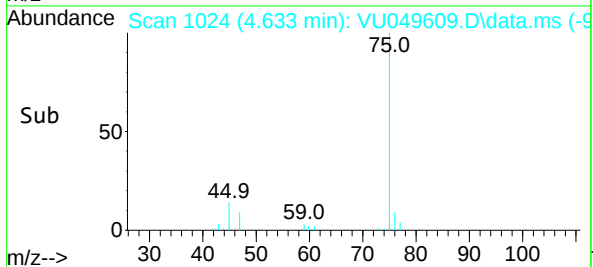
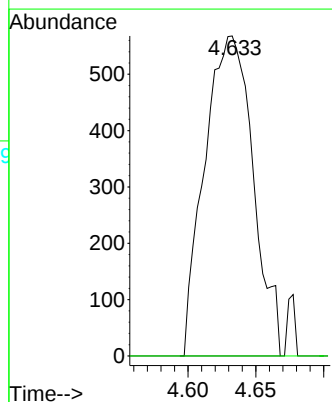
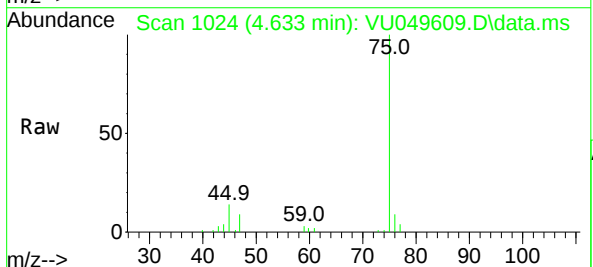
Acq: 05 Jul 2022 11:35

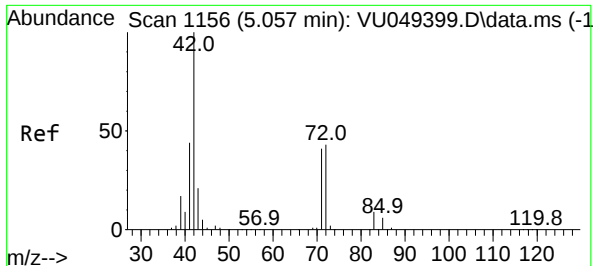
Tgt Ion: 77 Resp: 1415

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.063 min Scan# 1156

Delta R.T. 0.007 min

Lab File: VU049609.D

Acq: 05 Jul 2022 11:35

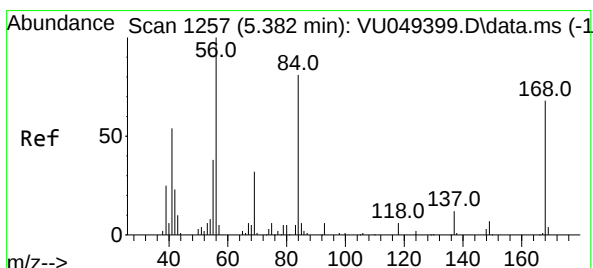
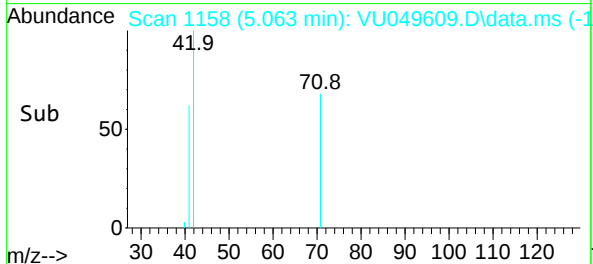
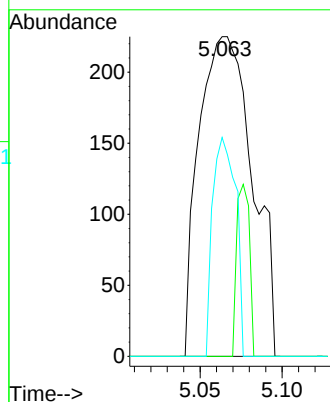
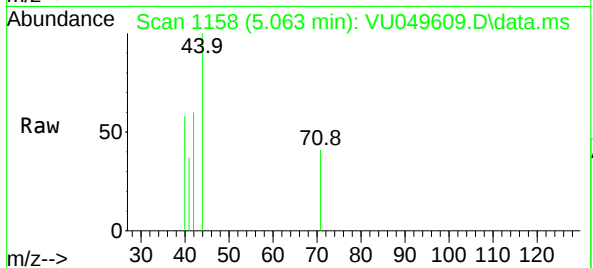
Instrument :

MSVOA_U

ClientSampleId :

VU0705MBL01

Tgt Ion: 42	Resp: 510
Ion Ratio	Lower Upper
42	100
72	12.7 42.6 63.8#
71	29.6 40.3 60.5#



#31

Cyclohexane

Concen: 0.920 ug/l

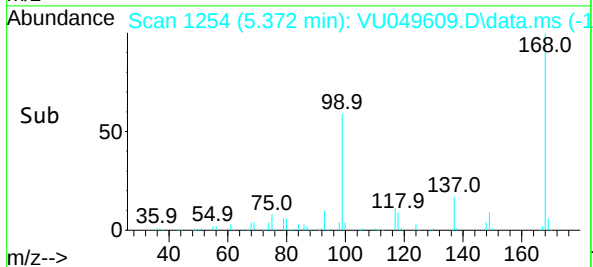
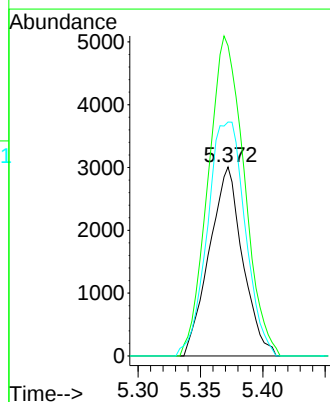
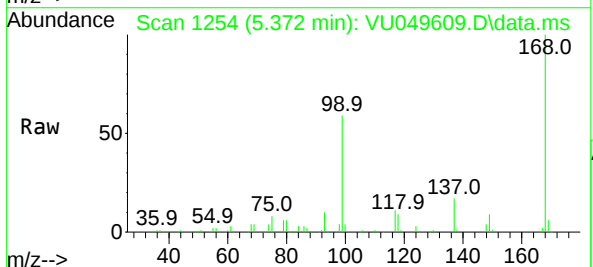
RT: 5.372 min Scan# 1254

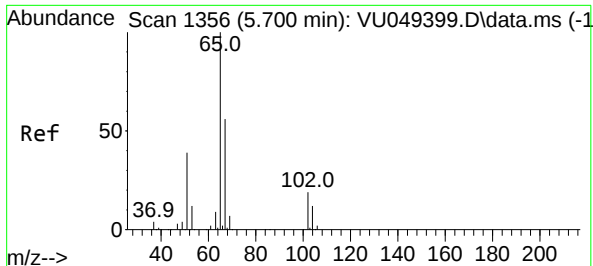
Delta R.T. -0.010 min

Lab File: VU049609.D

Acq: 05 Jul 2022 11:35

Tgt Ion: 56	Resp: 5600
Ion Ratio	Lower Upper
56	100
69	164.1 27.8 41.8#
84	123.8 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.387 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049609.D

Acq: 05 Jul 2022 11:35

Instrument :

MSVOA_U

ClientSampleId :

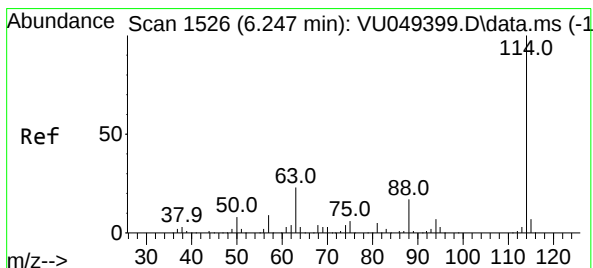
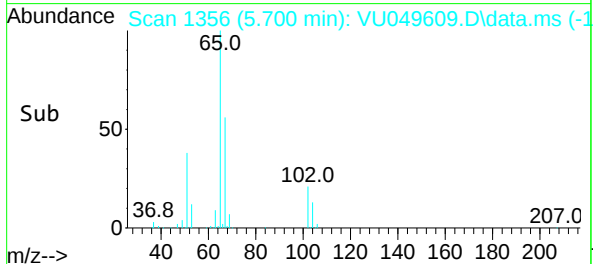
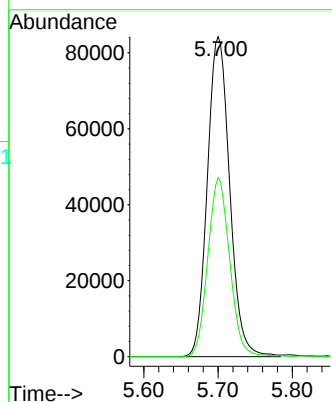
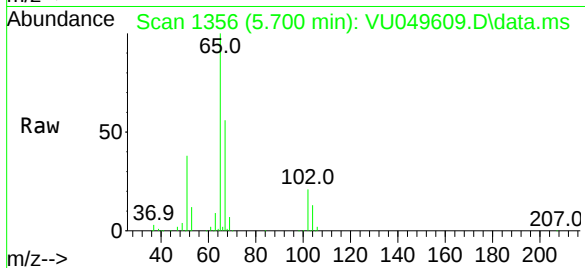
VU0705MBL01

Tgt Ion: 65 Resp: 175825

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049609.D

Acq: 05 Jul 2022 11:35

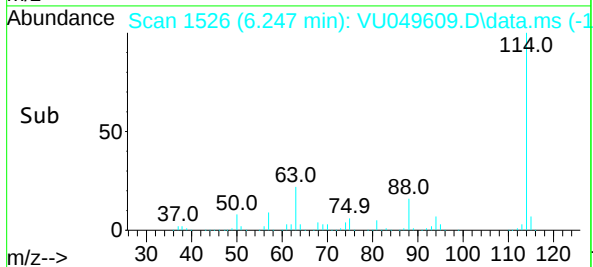
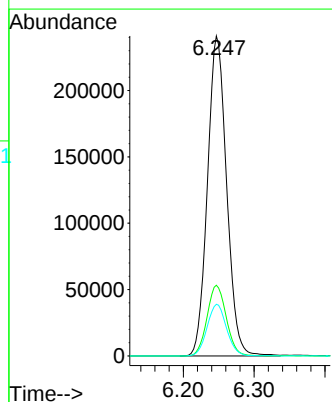
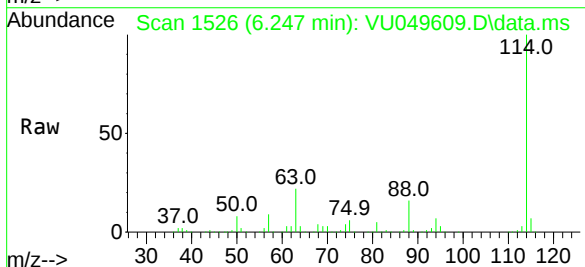
Tgt Ion: 114 Resp: 452280

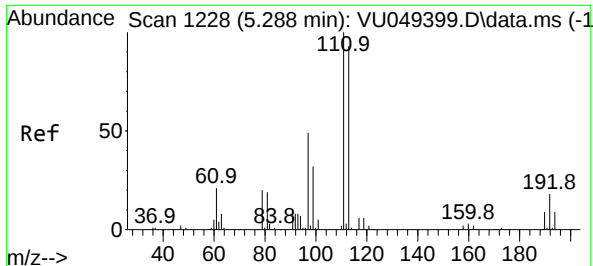
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.2 0.0 29.2

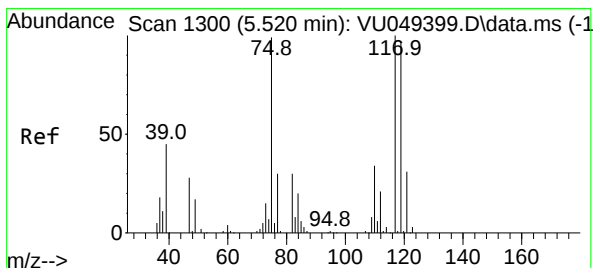
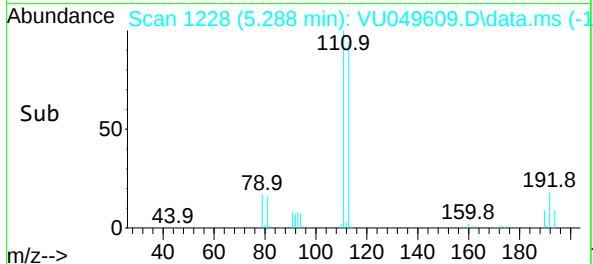
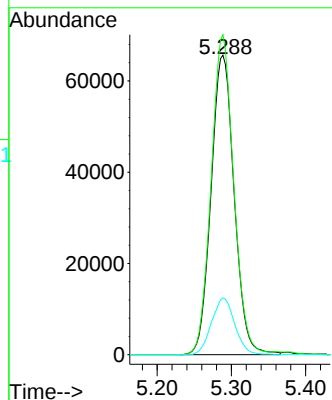
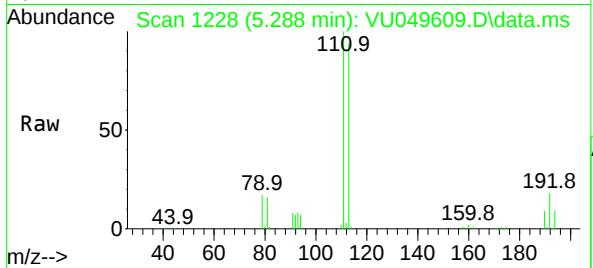




#35
Dibromofluoromethane
Concen: 44.905 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

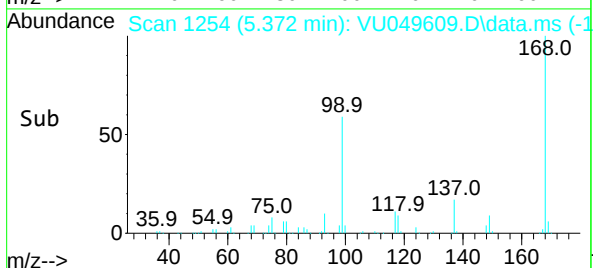
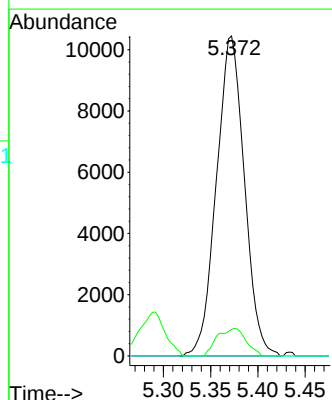
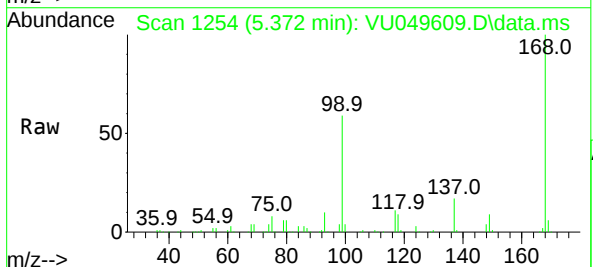
Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

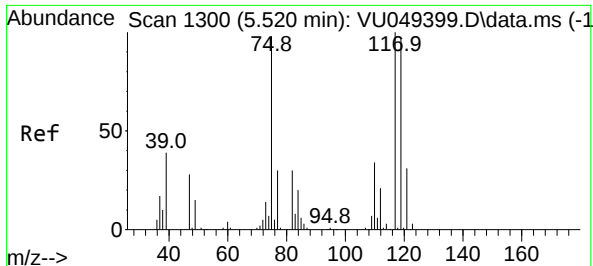
Tgt Ion:113 Resp: 142090
Ion Ratio Lower Upper
113 100
111 104.5 82.1 123.1
192 19.1 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

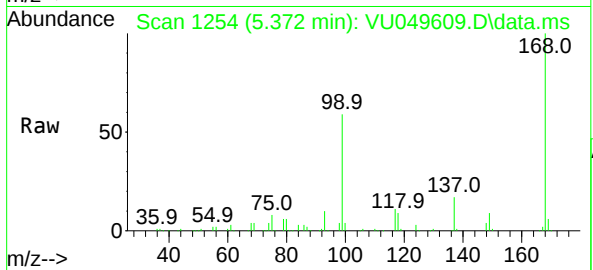
Tgt Ion: 75 Resp: 21468
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 25.1 37.7#



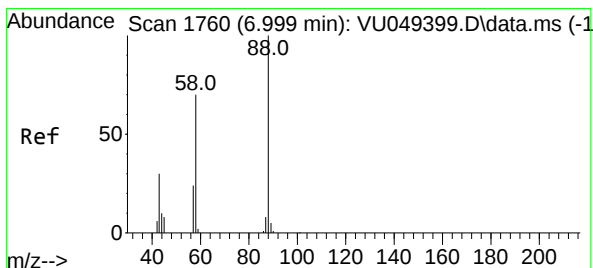
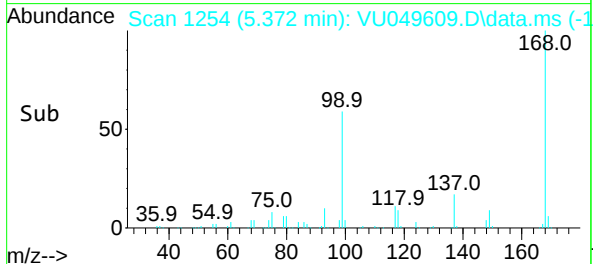
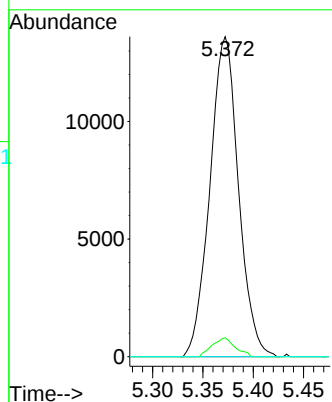


#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

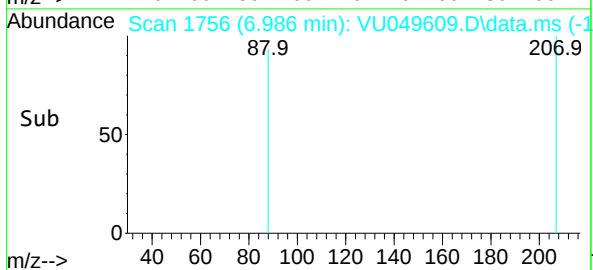
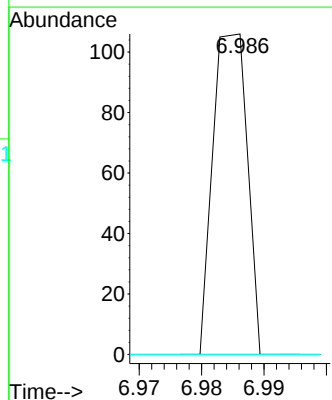
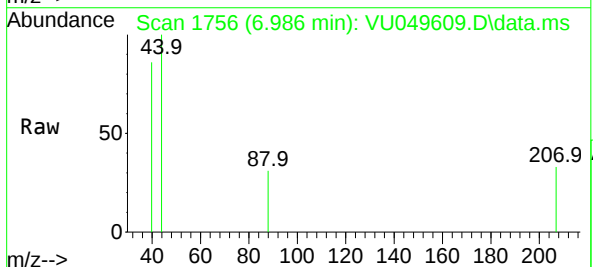


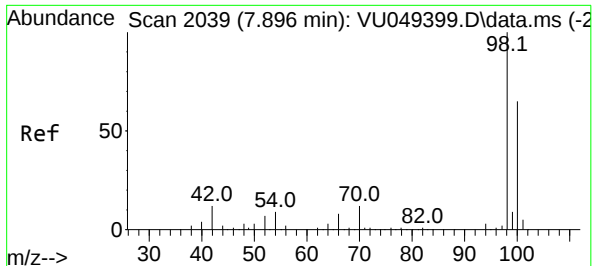
Tgt Ion:117 Resp: 26937
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.372 ug/l
RT: 6.986 min Scan# 1756
Delta R.T. -0.013 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 15.4 23.0#





#50

Toluene-d8

Concen: 48.383 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049609.D

Acq: 05 Jul 2022 11:35

Instrument :

MSVOA_U

ClientSampleId :

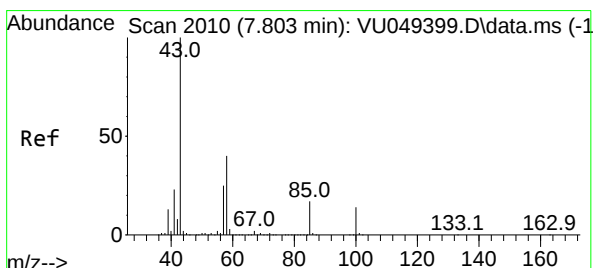
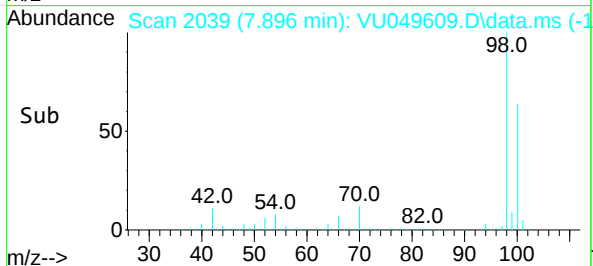
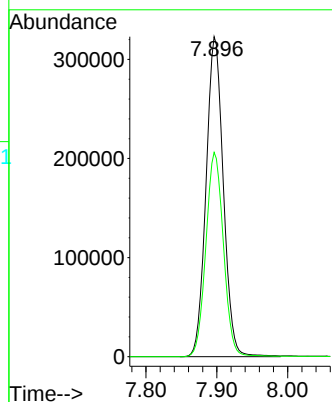
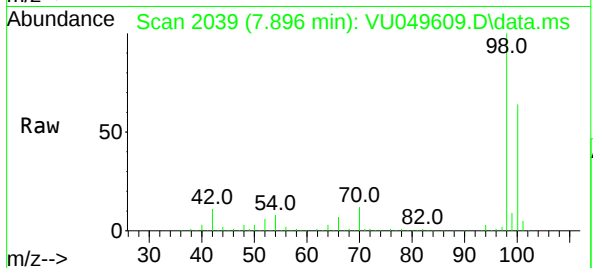
VU0705MBL01

Tgt Ion: 98 Resp: 546059

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.206 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.010 min

Lab File: VU049609.D

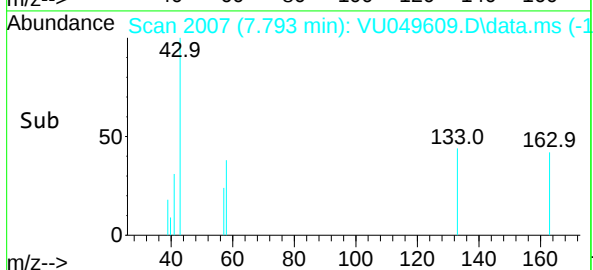
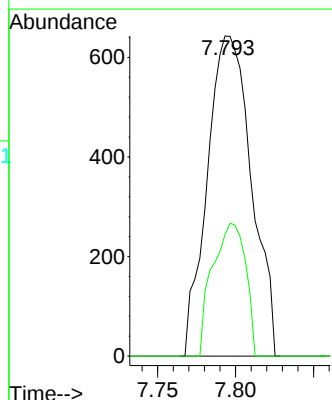
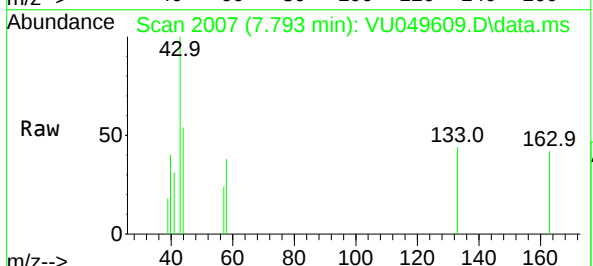
Acq: 05 Jul 2022 11:35

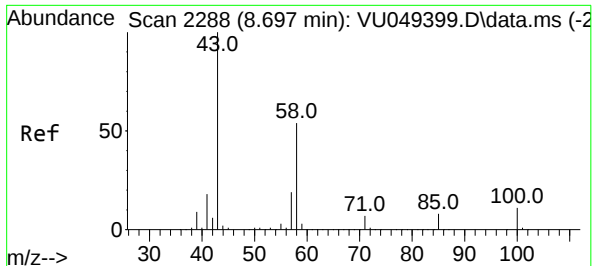
Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

58 31.0 34.7 52.1#

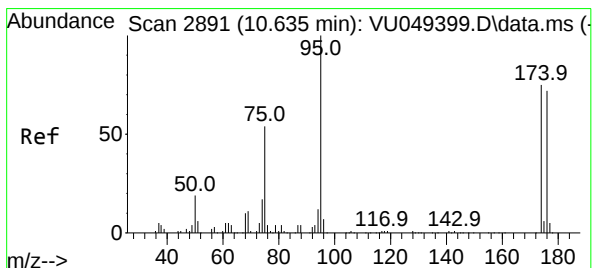
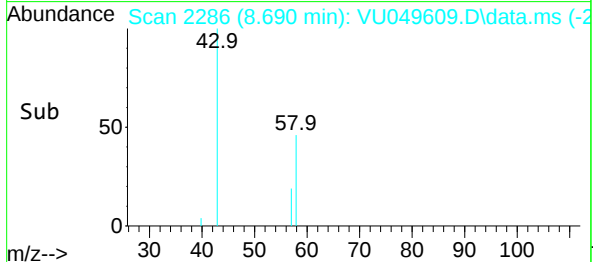
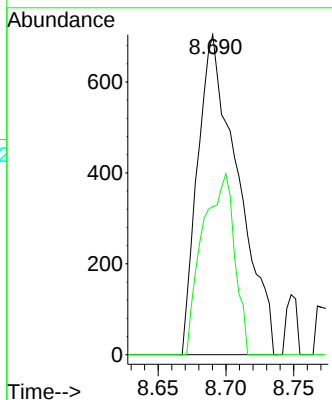
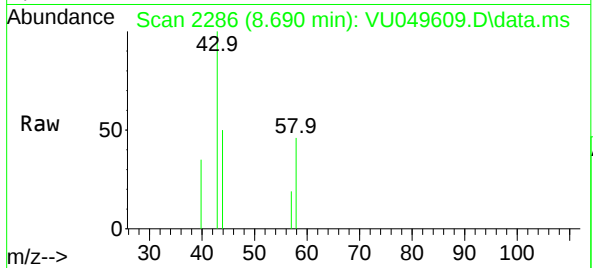




#59
2-Hexanone
Concen: 0.300 ug/l
RT: 8.690 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

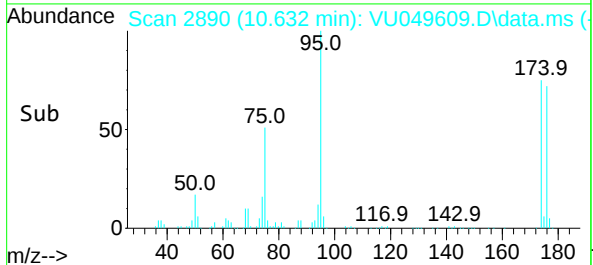
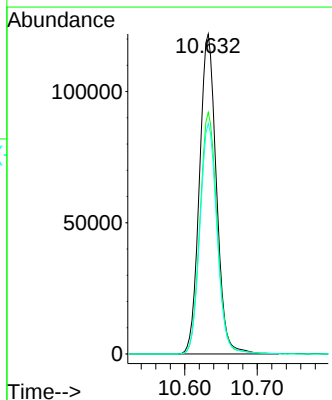
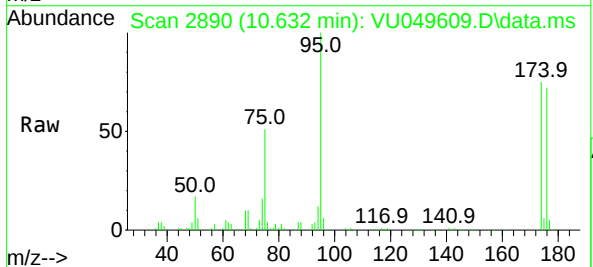
Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

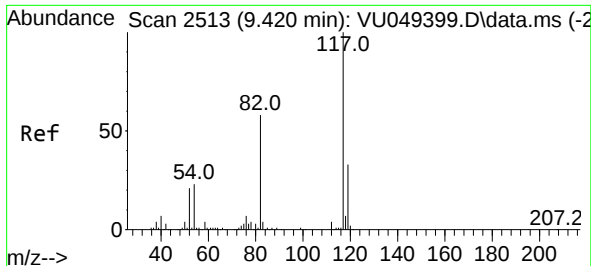
Tgt Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
58 44.9 30.3 90.8



#62
4-Bromofluorobenzene
Concen: 45.728 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Tgt Ion: 95 Resp: 197696
Ion Ratio Lower Upper
95 100
174 76.7 0.0 182.0
176 72.8 0.0 177.8

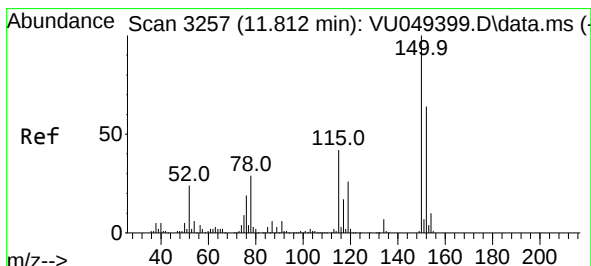
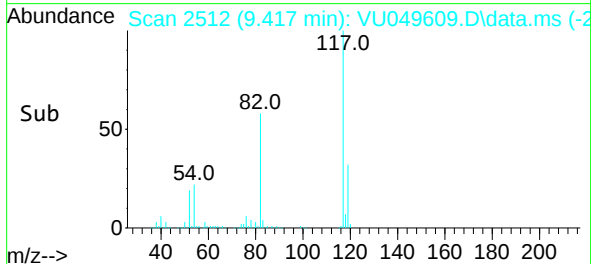
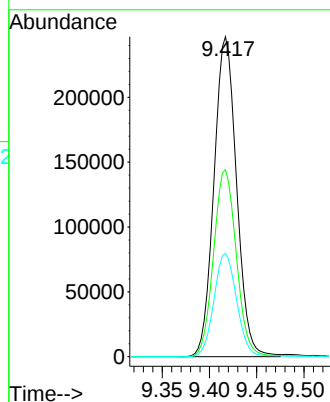
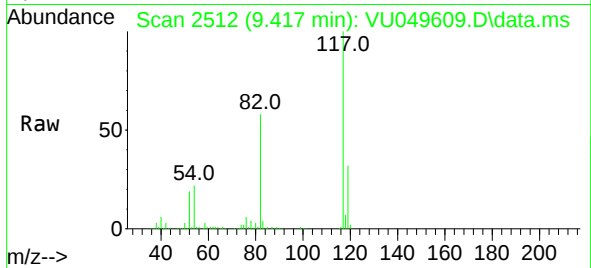




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

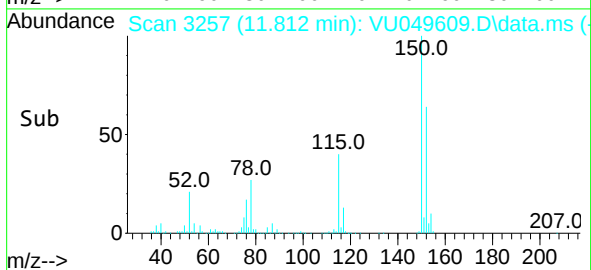
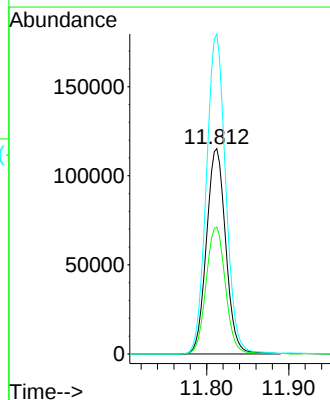
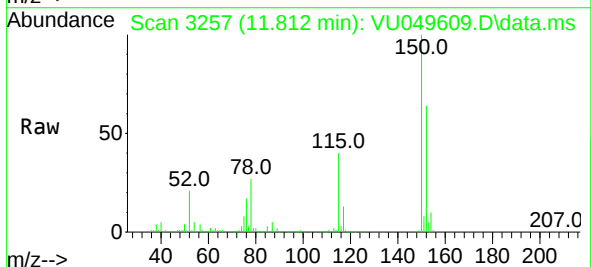
Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

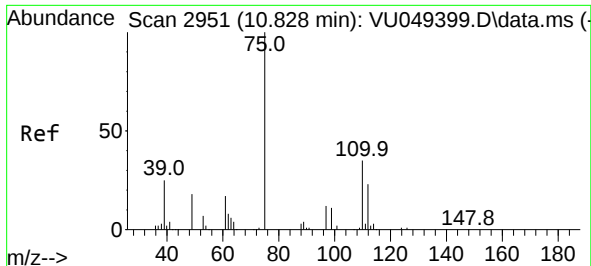
Tgt Ion:117 Resp: 410192
Ion Ratio Lower Upper
117 100
82 58.4 41.7 62.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Tgt Ion:152 Resp: 188252
Ion Ratio Lower Upper
152 100
115 62.4 37.0 110.9
150 156.2 0.0 342.2

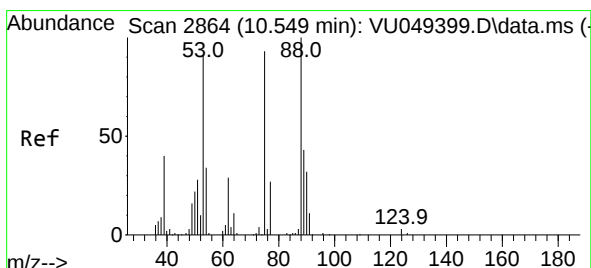
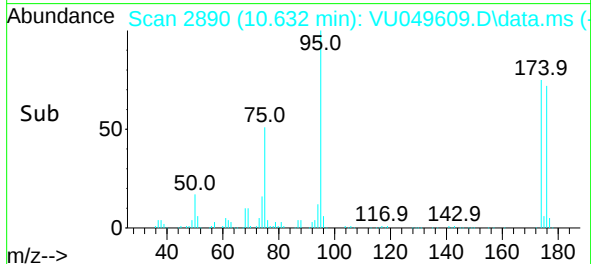
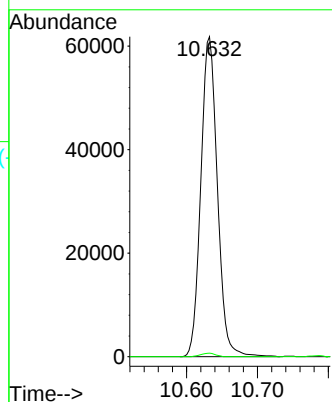
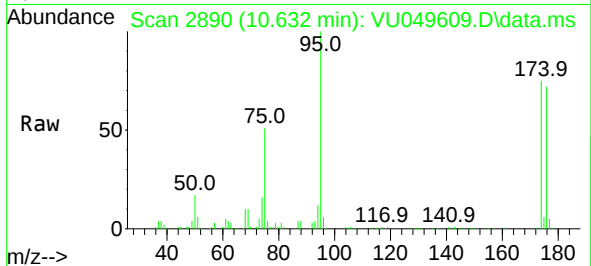




#76
1,2,3-Trichloropropane
Concen: 15.694 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

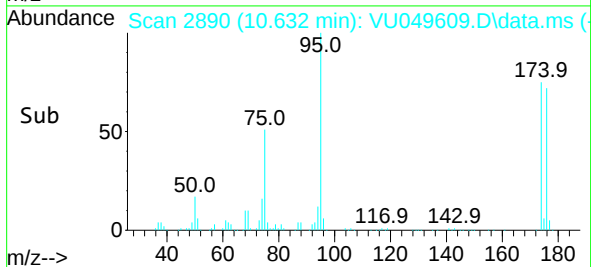
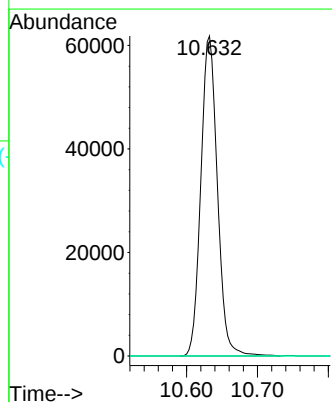
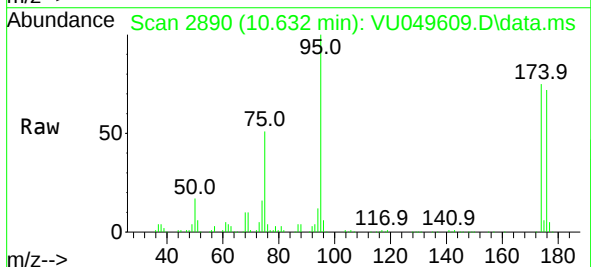
Instrument :
MSVOA_U
ClientSampleId :
VU0705MBL01

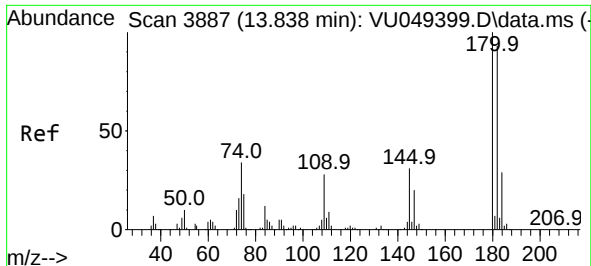
Tgt Ion: 75 Resp: 100150
Ion Ratio Lower Upper
75 100
77 1.0 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.955 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049609.D
Acq: 05 Jul 2022 11:35

Tgt Ion: 75 Resp: 100150
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

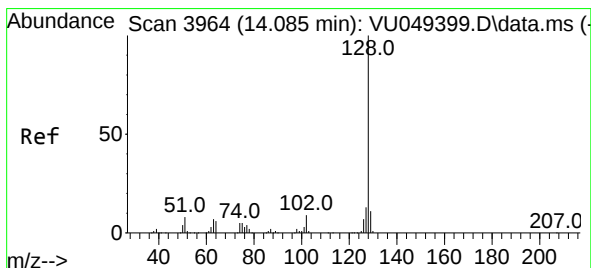
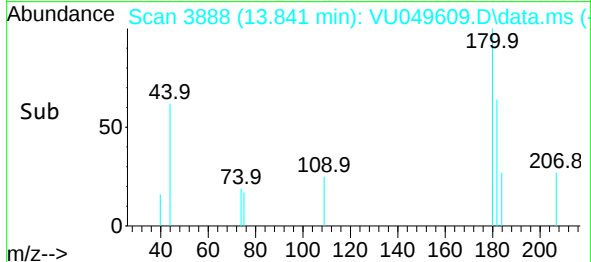
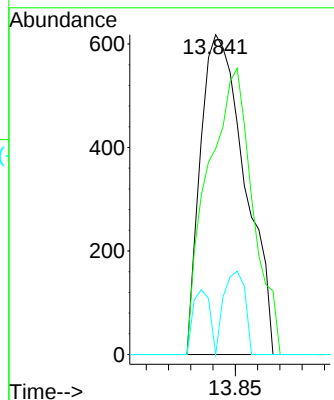
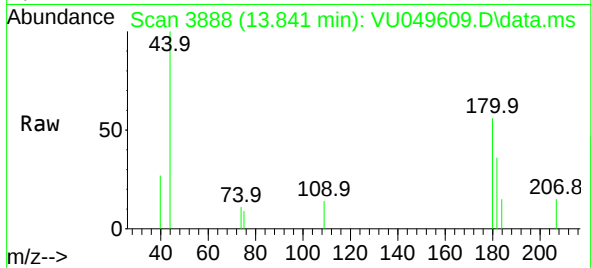




#93
 1,2,4-Trichlorobenzene
 Concen: 1.949 ug/l
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049609.D
 Acq: 05 Jul 2022 11:35

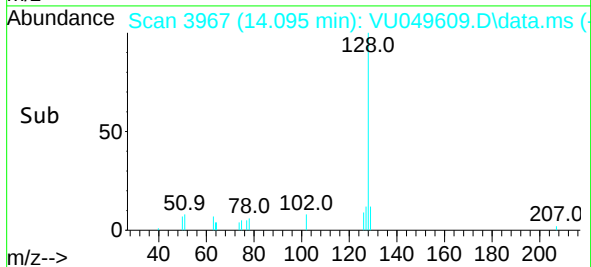
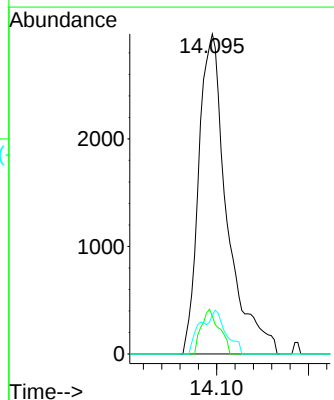
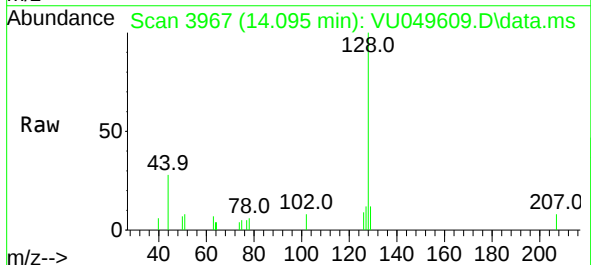
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705MBL01

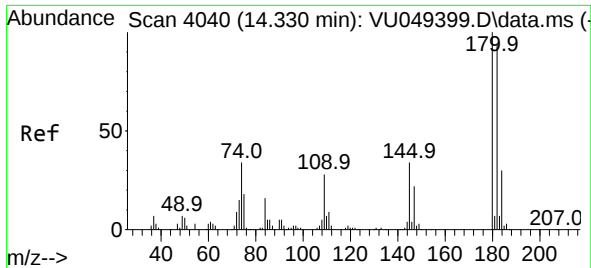
Tgt Ion:180 Resp: 852
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.6#
 145 7.6 14.0 41.9#



#95
 Naphthalene
 Concen: 2.153 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.010 min
 Lab File: VU049609.D
 Acq: 05 Jul 2022 11:35

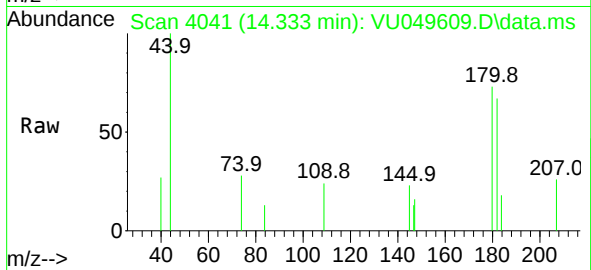
Tgt Ion:128 Resp: 6371
 Ion Ratio Lower Upper
 128 100
 127 8.8 10.3 15.5#
 129 7.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.402 ug/l
 RT: 14.333 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU049609.D
 Acq: 05 Jul 2022 11:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705MBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.4	145.0
145	25.6	14.8	44.4

