

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045568.D
 Acq On : 05 Nov 2021 18:52
 Operator : SY/MD
 Sample : M4475-04
 Misc : 5.02g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SB02B

Quant Time: Nov 05 19:09:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

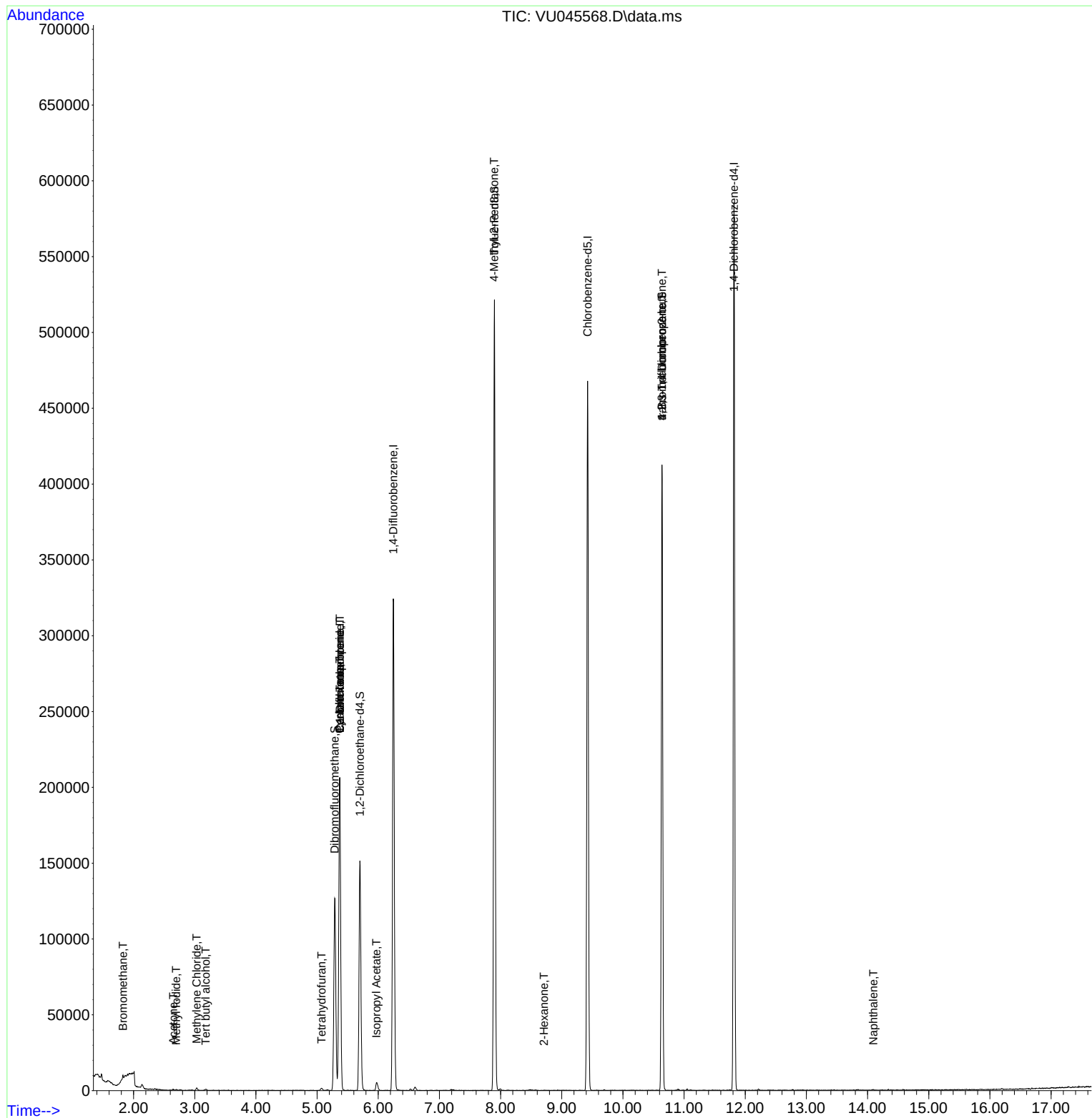
Internal Standards						
1) Pentafluorobenzene	5.372	168	139183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	265880	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	269625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	143071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	115470	55.397	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.800%	
35) Dibromofluoromethane	5.288	113	86957	48.986	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.980%	
50) Toluene-d8	7.899	98	347143	52.591	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.180%	
62) 4-Bromofluorobenzene	10.639	95	140856	53.215	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.826	94	774	0.690	ug/l	90
10) Methyl Iodide	2.697	142	500	0.246	ug/l #	77
11) Tert butyl alcohol	3.179	59	531	1.287	ug/l #	72
16) Acetone	2.649	43	452	0.426	ug/l	92
20) Methylene Chloride	3.031	84	721	0.391	ug/l #	93
29) Tetrahydrofuran	5.073	42	1000	1.111	ug/l #	80
31) Cyclohexane	5.369	56	3338	1.098	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	12500	4.822	ug/l #	50
38) Carbon Tetrachloride	5.372	117	15364	5.878	ug/l #	15
43) Isopropyl Acetate	5.970	43	2413	0.530	ug/l #	59
51) 4-Methyl-2-Pentanone	7.896	43	1506	0.501	ug/l #	1
59) 2-Hexanone	8.710	43	40	7.550	ug/l #	21
76) 1,2,3-Trichloropropane	10.639	75	74858	17.253	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	74858	56.131	ug/l #	12
95) Naphthalene	14.095	128	546	1.075	ug/l #	69

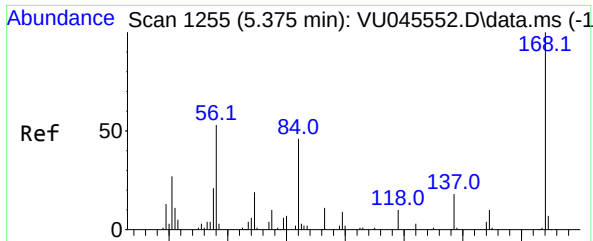
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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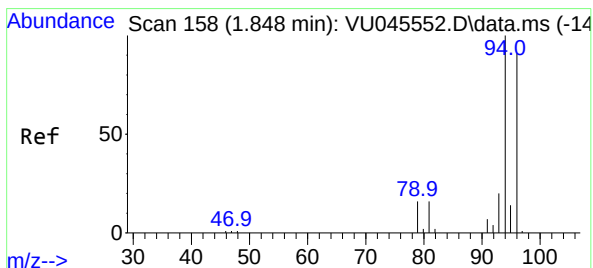
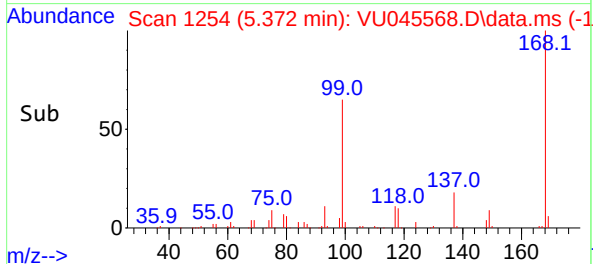
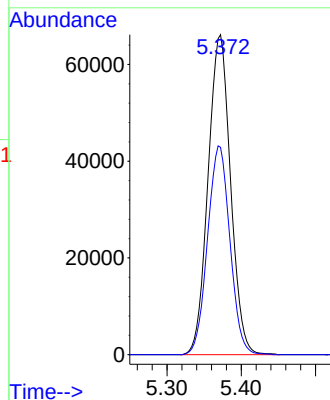
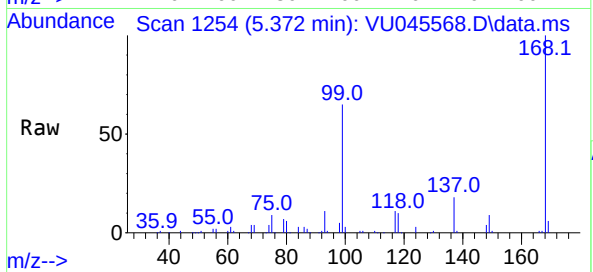




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

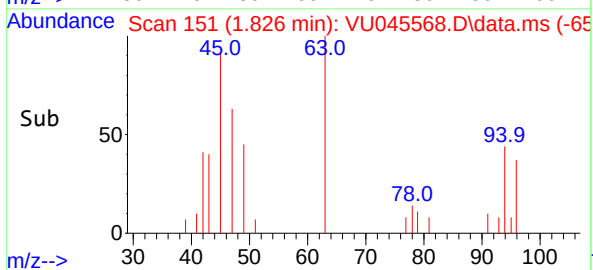
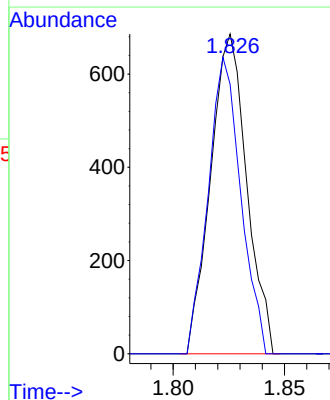
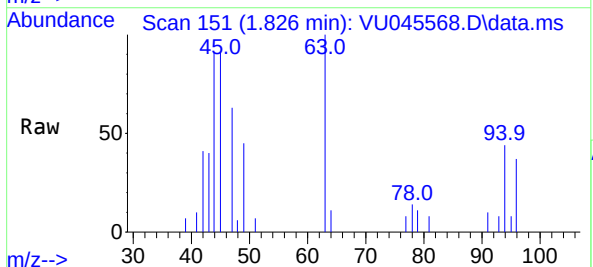
Instrument :
MSVOA_U
ClientSampleId :
SB02B

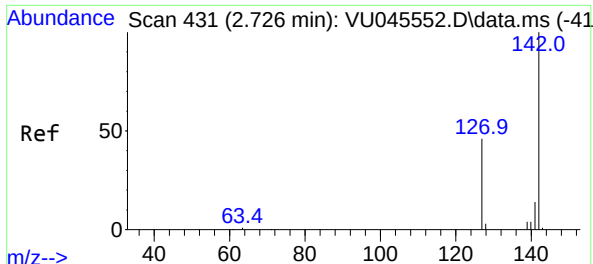
Tgt Ion:168 Resp: 139183
Ion Ratio Lower Upper
168 100
99 64.8 51.0 76.6



#5
Bromomethane
Concen: 0.690 ug/l
RT: 1.826 min Scan# 151
Delta R.T. -0.022 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Tgt Ion: 94 Resp: 774
Ion Ratio Lower Upper
94 100
96 84.3 75.4 113.2

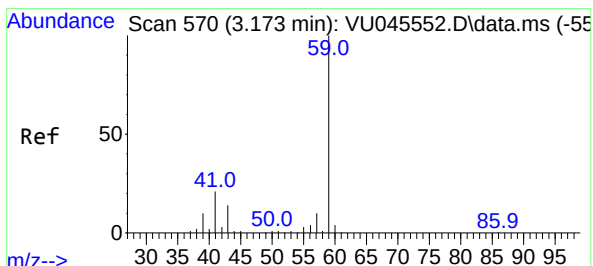
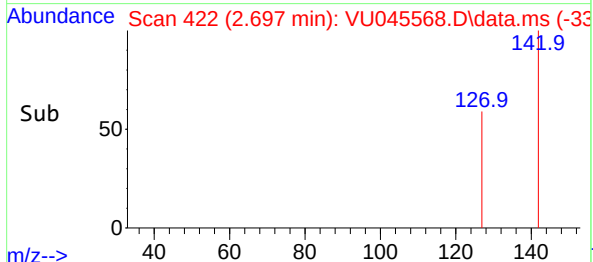
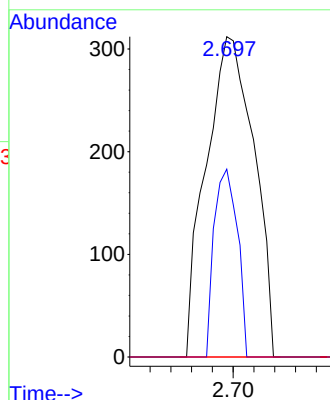
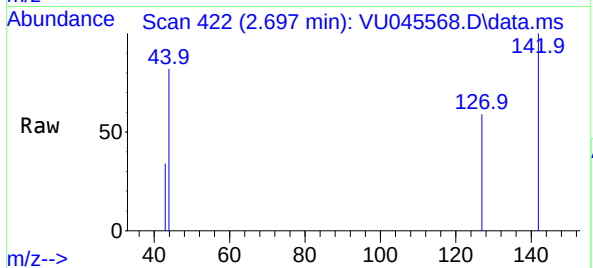




#10
Methyl Iodide
Concen: 0.246 ug/l
RT: 2.697 min Scan# 41
Delta R.T. -0.029 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

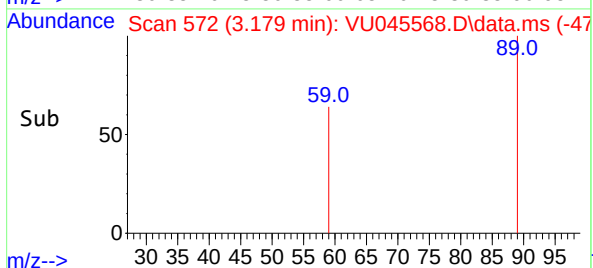
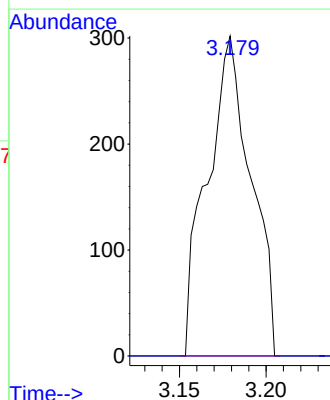
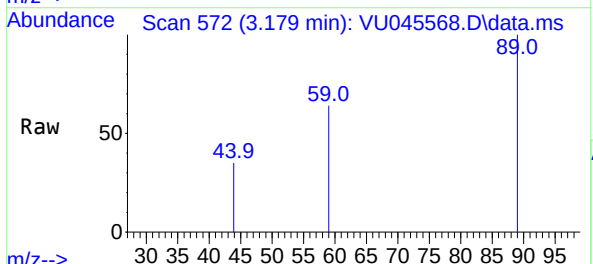
Instrument :
MSVOA_U
ClientSampleId :
SB02B

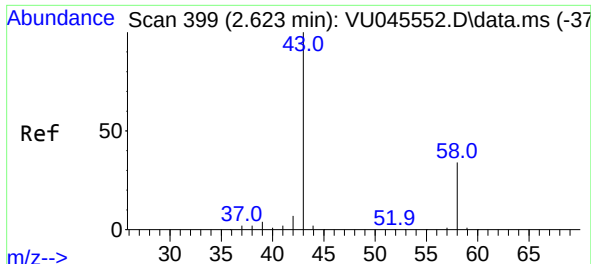
Tgt Ion:142	Resp:	500
Ion	Ratio	Lower Upper
142	100	
127	28.4	32.2 48.2#
141	0.0	11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.287 ug/l
RT: 3.179 min Scan# 572
Delta R.T. 0.006 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Tgt Ion: 59	Resp:	531
Ion	Ratio	Lower Upper
59	100	
57	0.0	8.3 12.5#

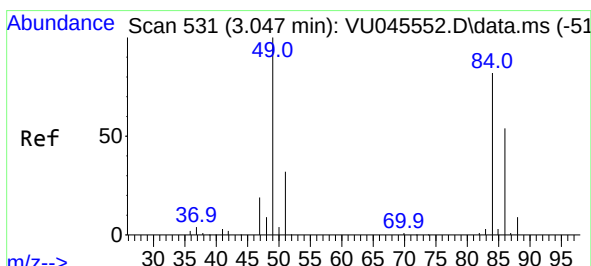
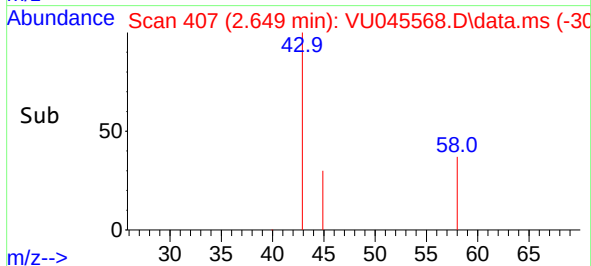
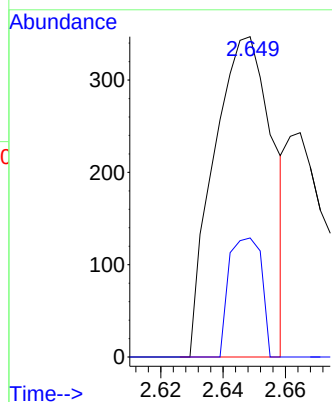
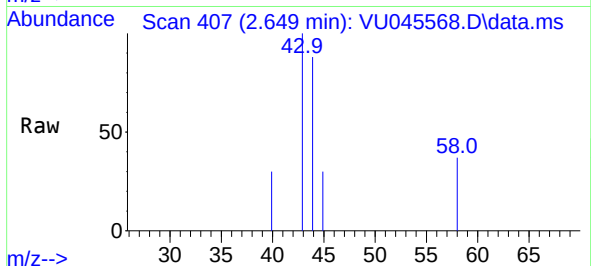




#16
Acetone
Concen: 0.426 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.026 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

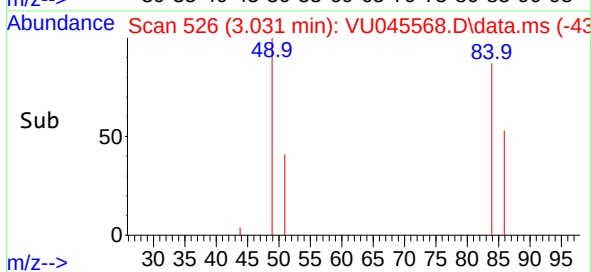
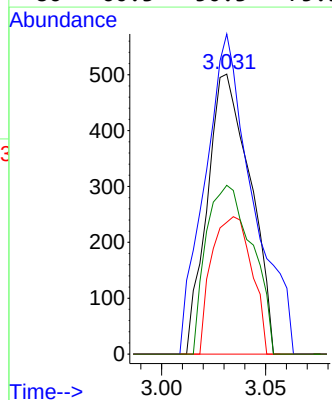
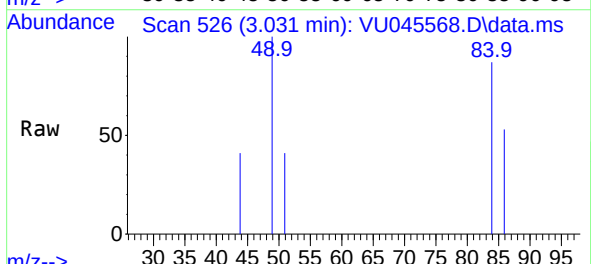
Instrument :
MSVOA_U
ClientSampleId :
SB02B

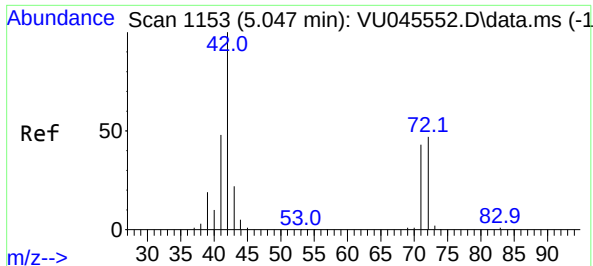
Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
58 37.2 26.2 39.2



#20
Methylene Chloride
Concen: 0.391 ug/l
RT: 3.031 min Scan# 526
Delta R.T. -0.016 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Tgt Ion: 84 Resp: 721
Ion Ratio Lower Upper
84 100
49 114.4 96.4 144.6
51 47.1 30.5 45.7#
86 60.3 50.3 75.5





#29

Tetrahydrofuran

Concen: 1.111 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.026 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

SB02B

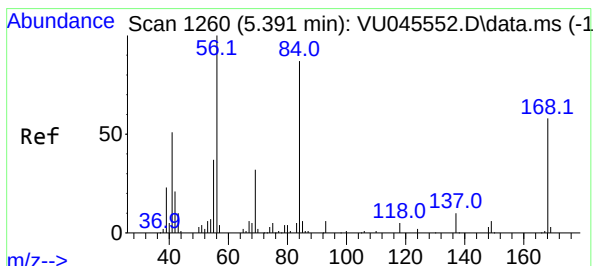
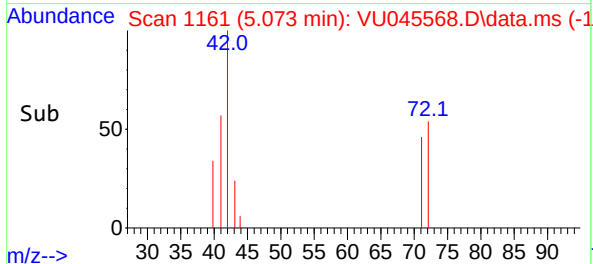
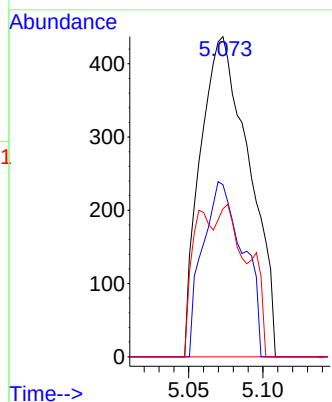
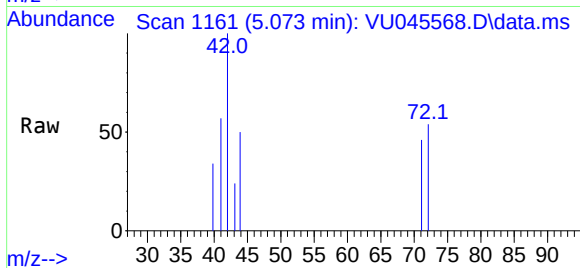
Tgt Ion: 42 Resp: 1000

Ion Ratio Lower Upper

42 100

72 45.2 38.2 57.4

71 20.0 35.4 53.2#



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

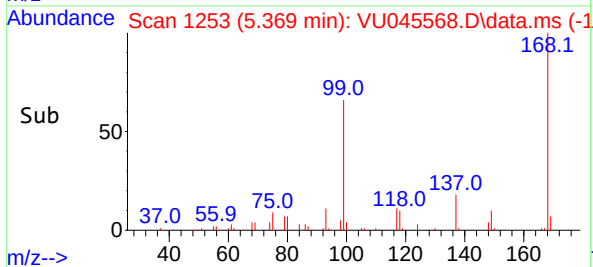
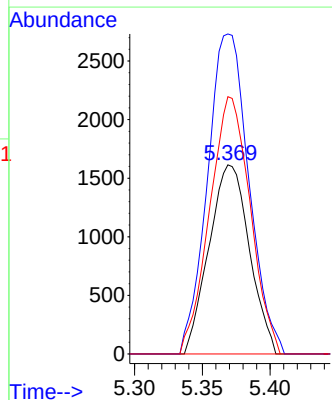
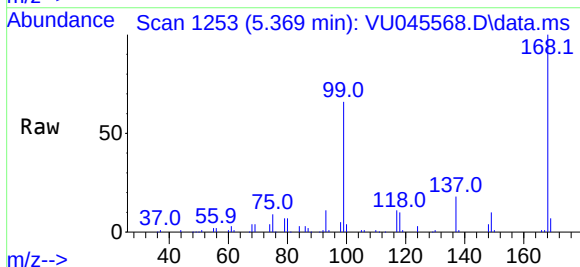
Tgt Ion: 56 Resp: 3338

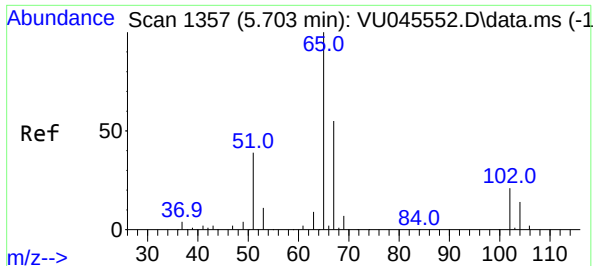
Ion Ratio Lower Upper

56 100

69 169.2 26.4 39.6#

84 136.1 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 55.397 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

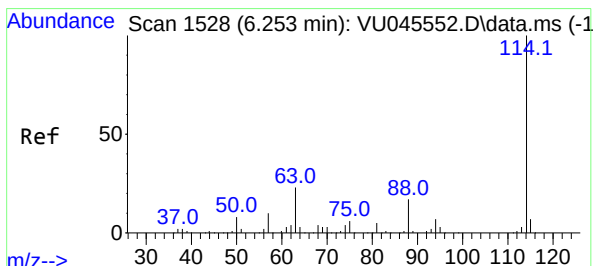
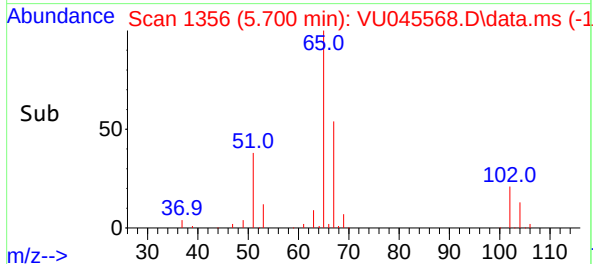
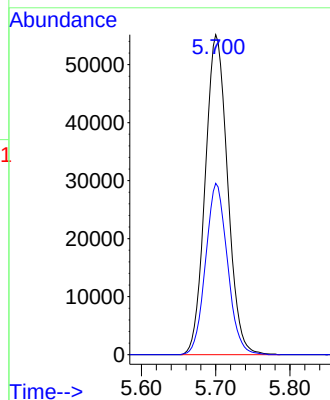
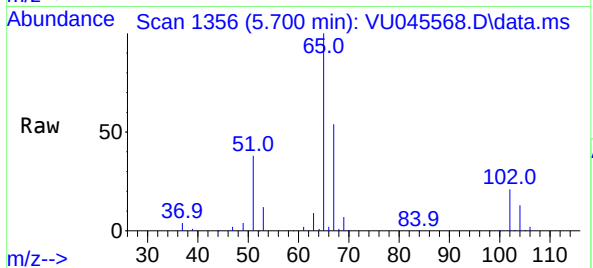
SB02B

Tgt Ion: 65 Resp: 115470

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.006 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

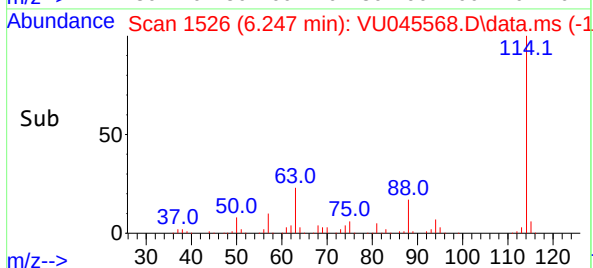
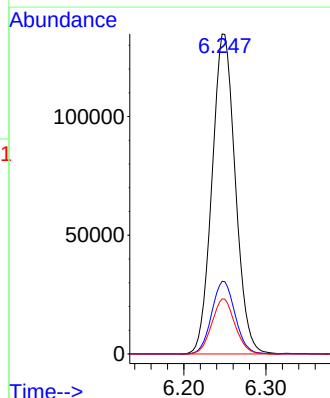
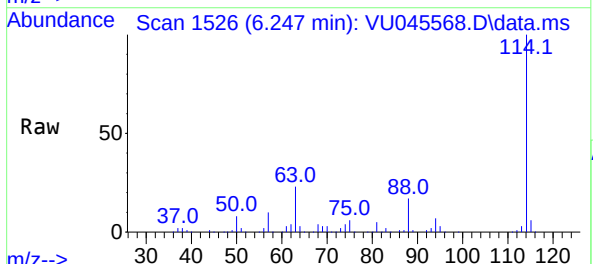
Tgt Ion:114 Resp: 265880

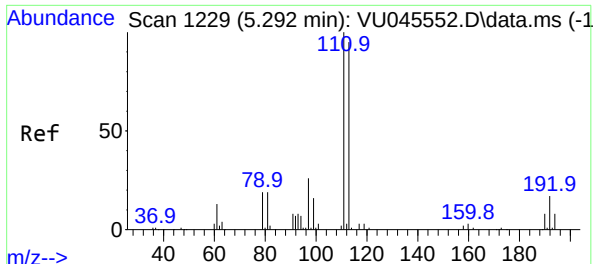
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.986 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

SB02B

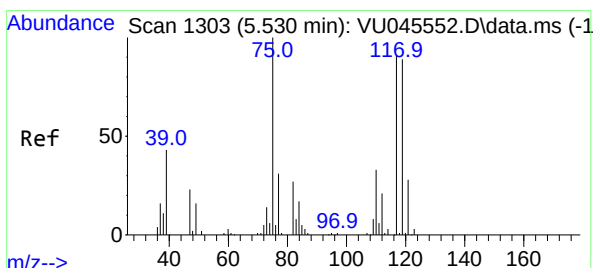
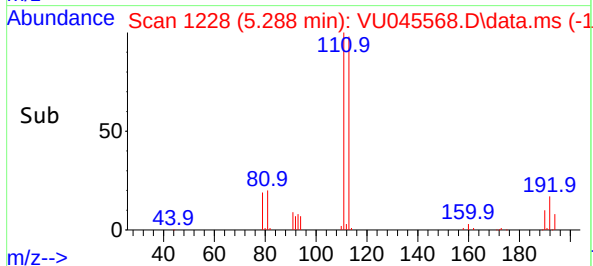
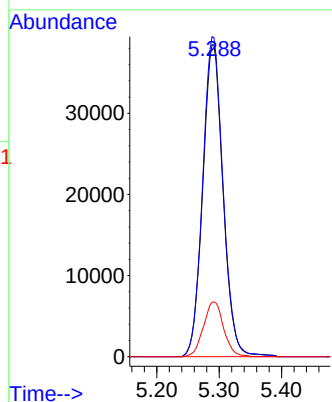
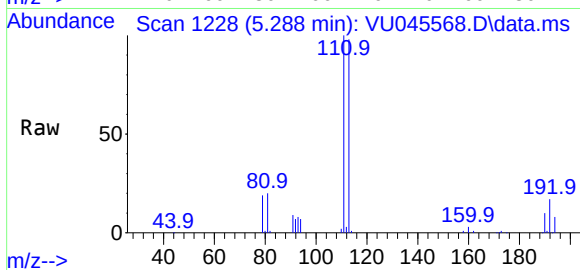
Tgt Ion:113 Resp: 86957

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 17.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.158 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

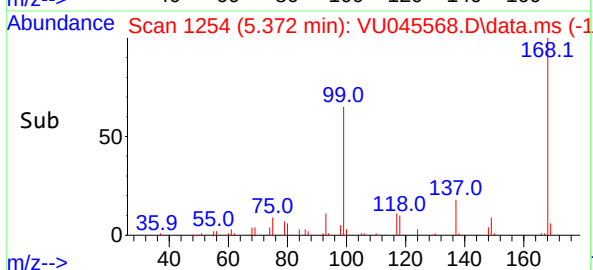
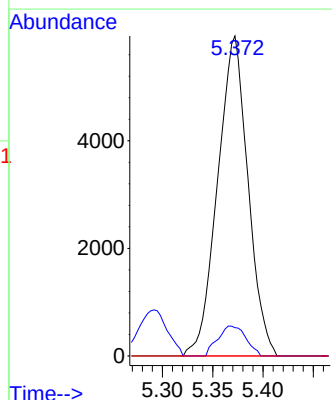
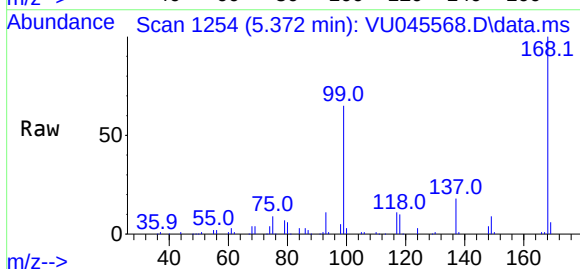
Tgt Ion: 75 Resp: 12500

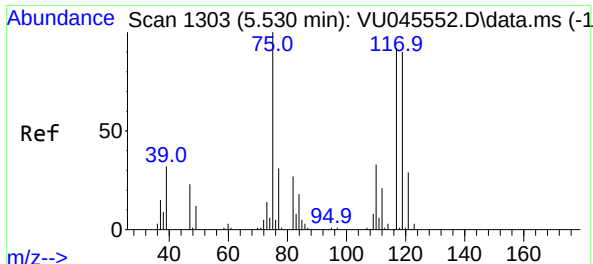
Ion Ratio Lower Upper

75 100

110 8.6 16.7 50.0#

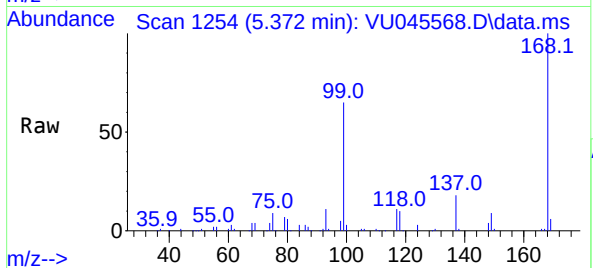
77 0.0 25.0 37.4#



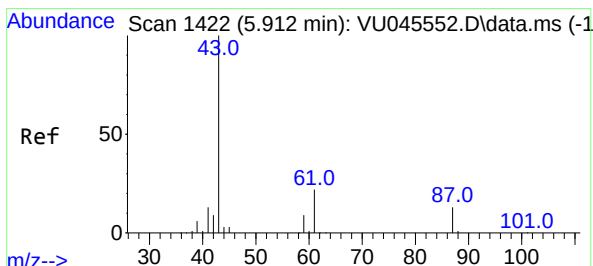
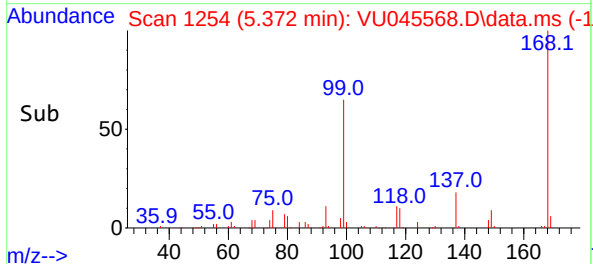
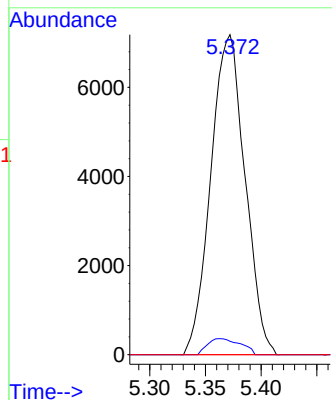


#38
Carbon Tetrachloride
Concen: 5.878 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.158 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Instrument :
MSVOA_U
ClientSampleId :
SB02B

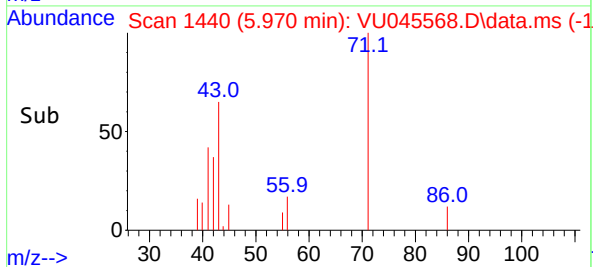
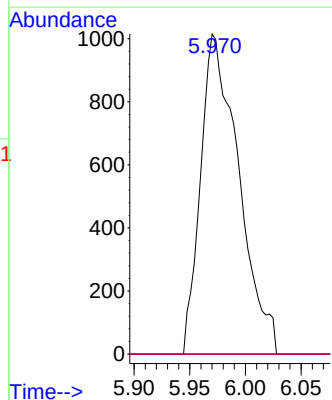
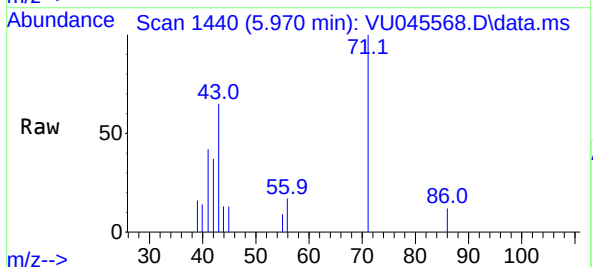


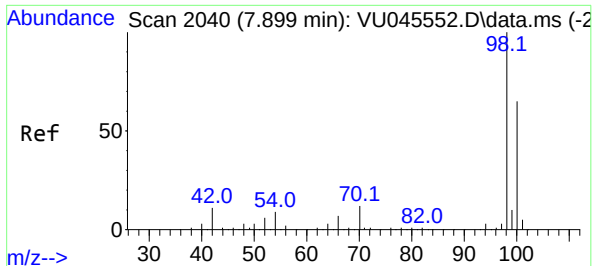
Tgt Ion:117 Resp: 15364
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 0.530 ug/l
RT: 5.970 min Scan# 1440
Delta R.T. 0.058 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Tgt Ion: 43 Resp: 2413
Ion Ratio Lower Upper
43 100
61 0.0 16.9 25.3#
87 0.0 11.0 16.4#

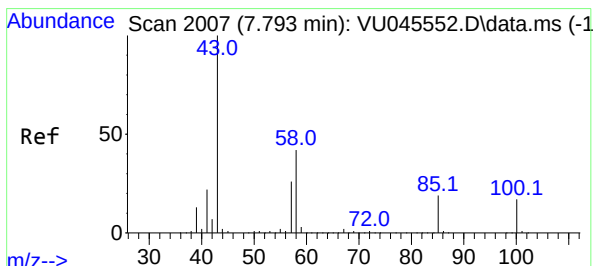
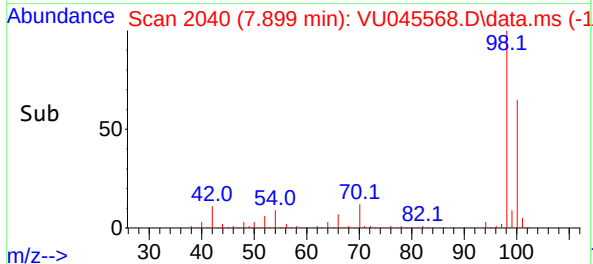
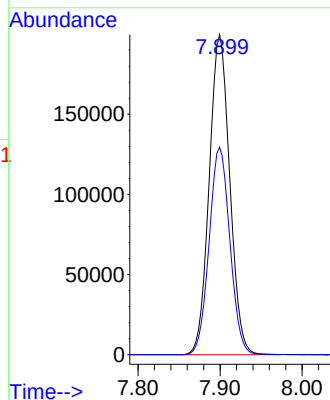
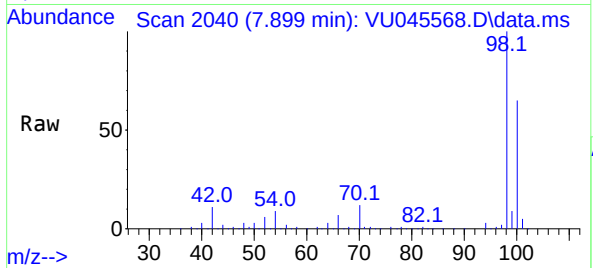




#50
Toluene-d8
Concen: 52.591 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

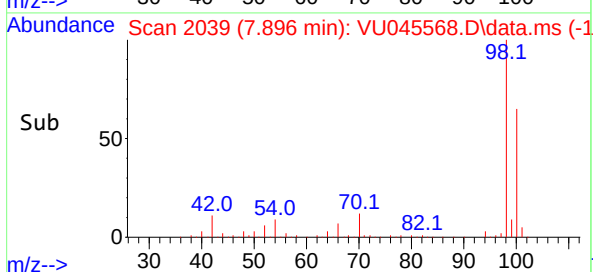
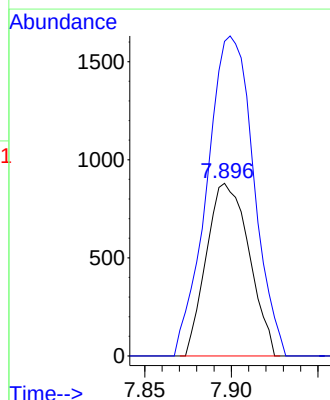
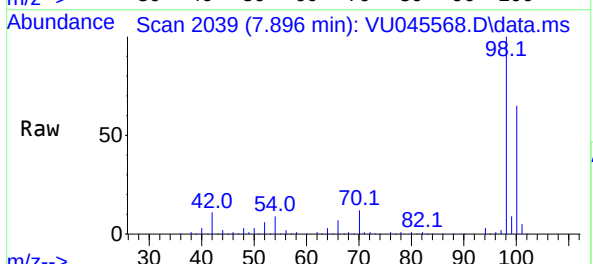
Instrument :
MSVOA_U
ClientSampleId :
SB02B

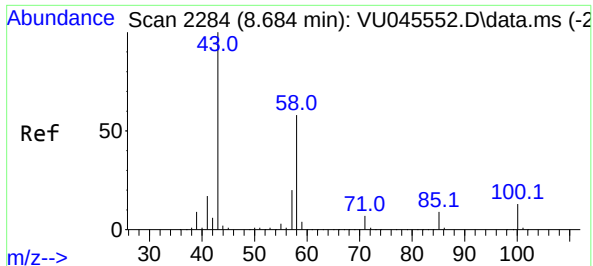
Tgt Ion: 98 Resp: 347143
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.103 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
58 202.7 33.8 50.8#





#59

2-Hexanone

Concen: 7.550 ug/l

RT: 8.710 min Scan# 21

Delta R.T. 0.026 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

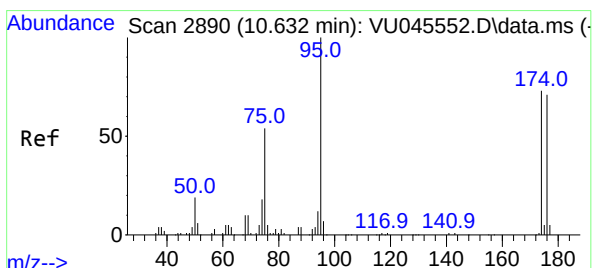
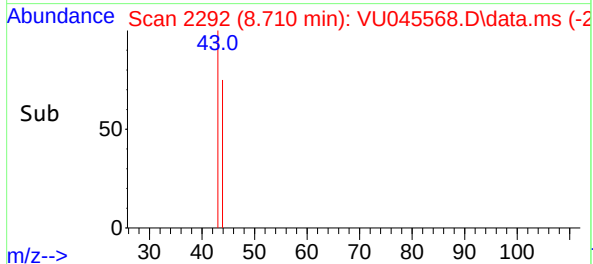
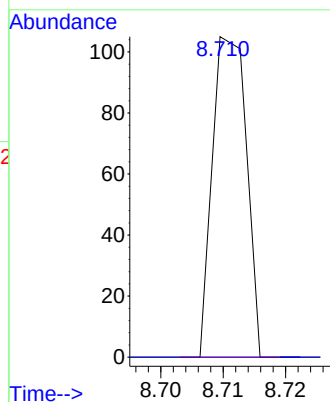
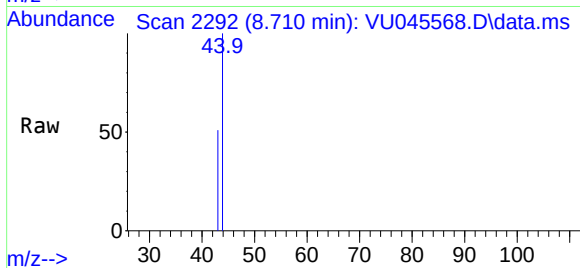
SB02B

Tgt Ion: 43 Resp: 40

Ion Ratio Lower Upper

43 100

58 0.0 29.5 88.6#



#62

4-Bromofluorobenzene

Concen: 53.215 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. 0.006 min

Lab File: VU045568.D

Acq: 05 Nov 2021 18:52

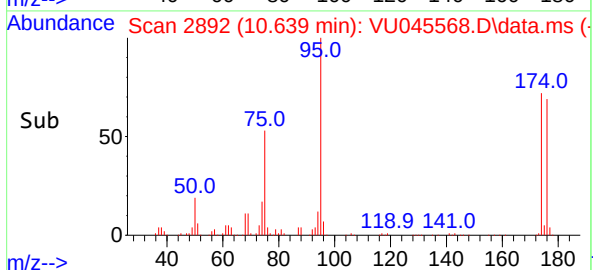
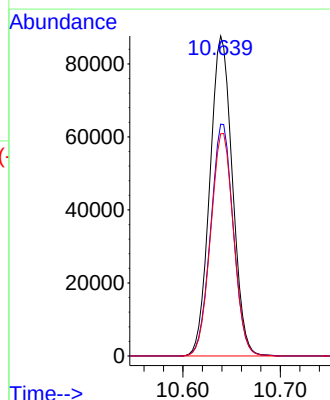
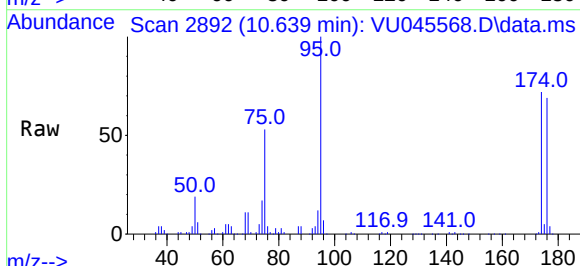
Tgt Ion: 95 Resp: 140856

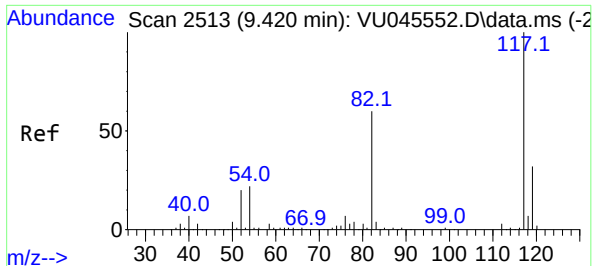
Ion Ratio Lower Upper

95 100

174 72.8 0.0 141.8

176 70.5 0.0 138.2

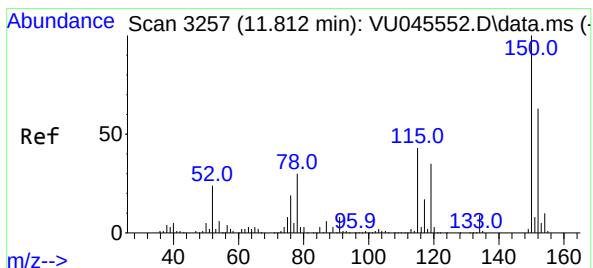
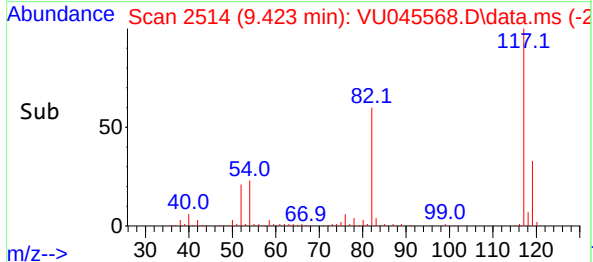
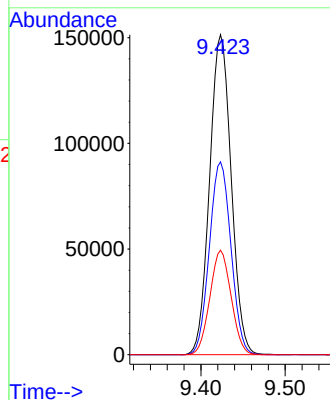
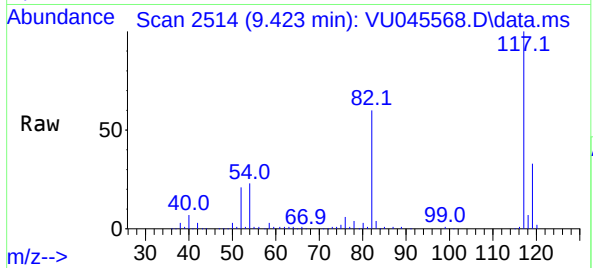




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

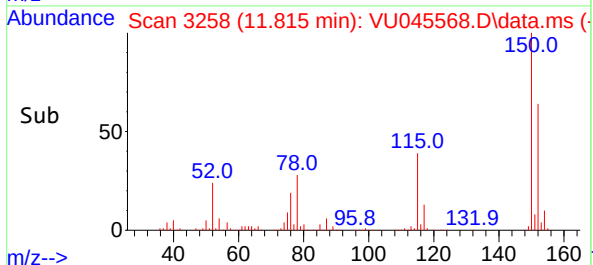
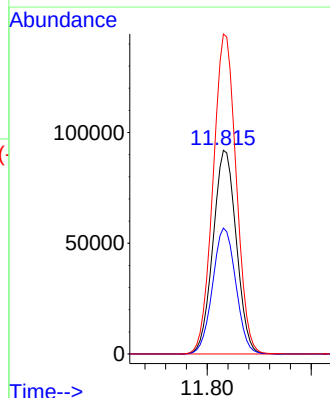
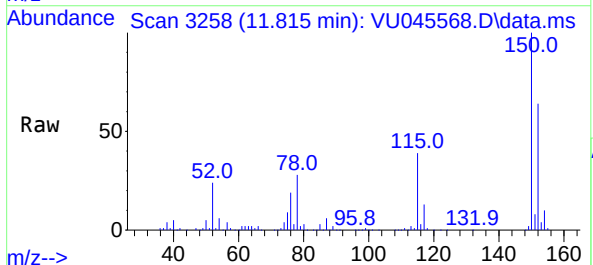
Instrument :
MSVOA_U
ClientSampleId :
SB02B

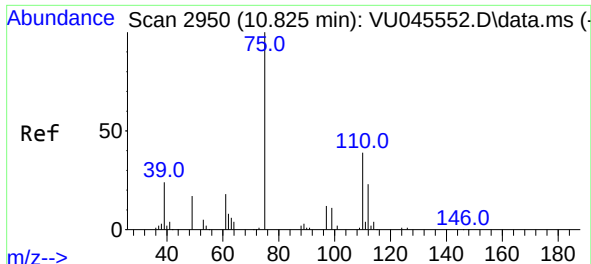
Tgt Ion:117 Resp: 269625
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.003 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Tgt Ion:152 Resp: 143071
Ion Ratio Lower Upper
152 100
115 61.8 42.7 128.1
150 156.1 0.0 346.8

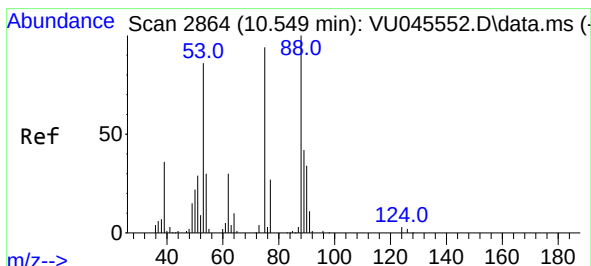
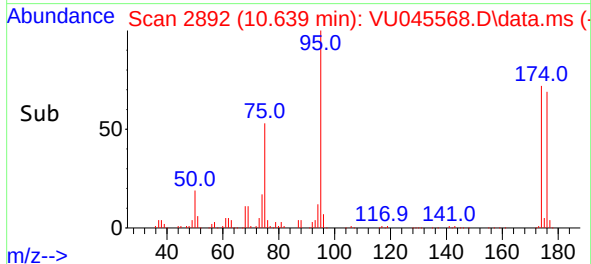
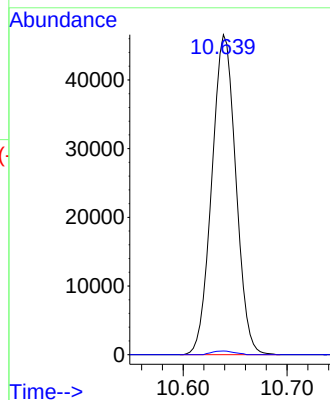
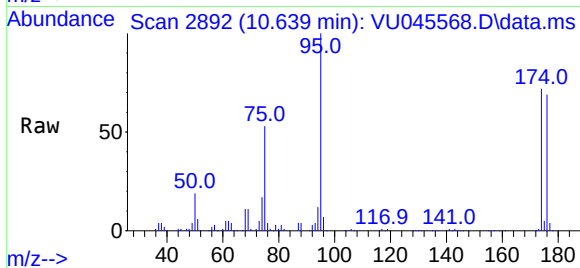




#76
1,2,3-Trichloropropane
Concen: 17.253 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.187 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

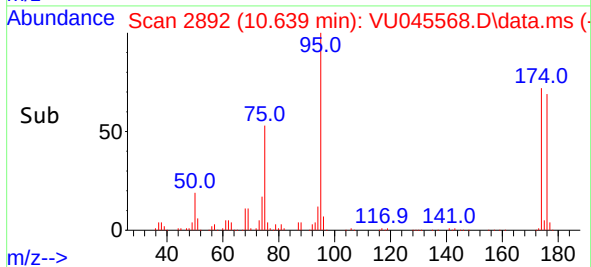
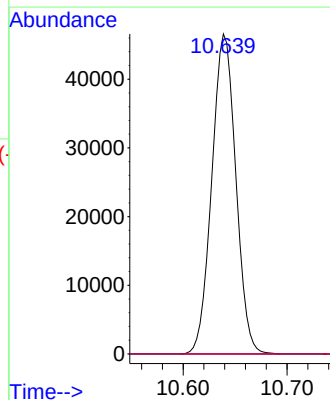
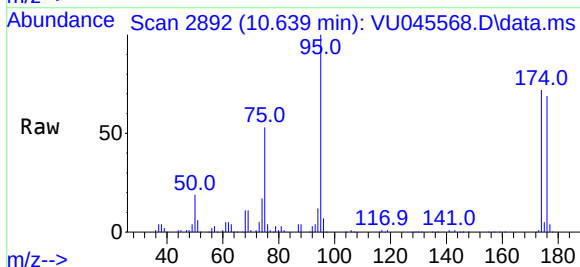
Instrument :
MSVOA_U
ClientSampleId :
SB02B

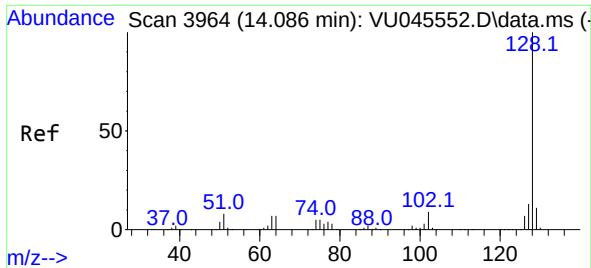
Tgt Ion: 75 Resp: 74858
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.131 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.090 min
Lab File: VU045568.D
Acq: 05 Nov 2021 18:52

Tgt Ion: 75 Resp: 74858
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.075 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU045568.D

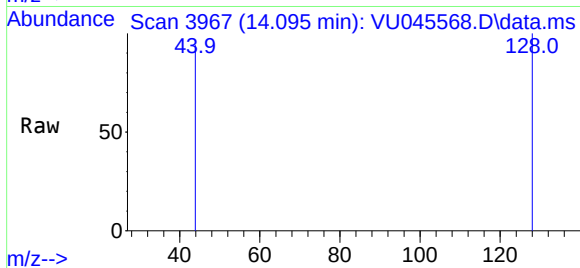
Acq: 05 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

SB02B



Tgt Ion:	128	Resp:	546
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

