

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048682.D
 Acq On : 27 May 2022 10:16
 Operator : SY/MD
 Sample : VU0527MBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0527MBL01

Quant Time: May 31 16:48:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

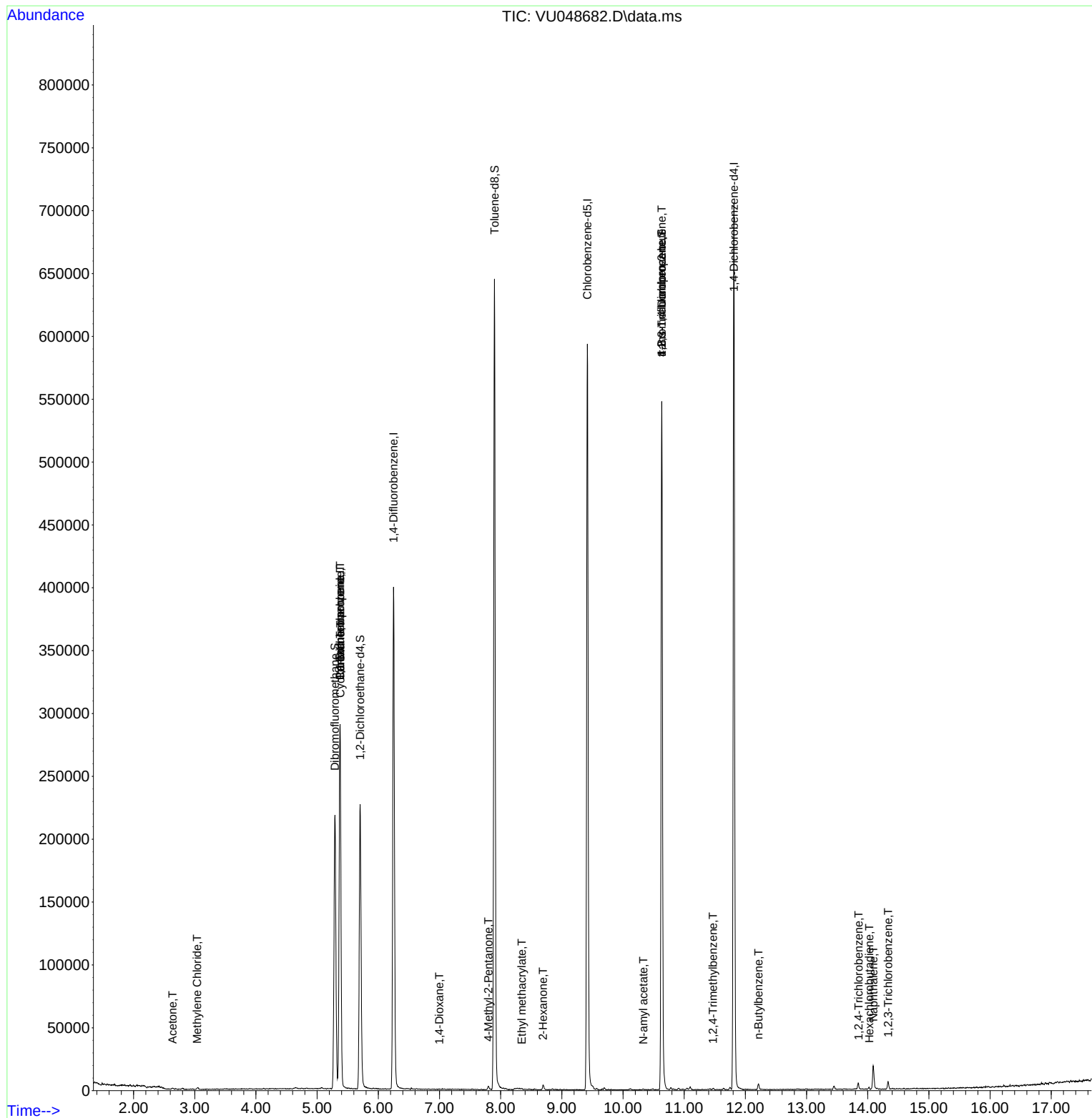
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	196699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	323061	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	337762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	187683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	176211	59.651	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.300%#	
35) Dibromofluoromethane	5.292	113	142944	62.020	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 124.040%#	
50) Toluene-d8	7.899	98	436440	52.826	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.660%	
62) 4-Bromofluorobenzene	10.632	95	188970	60.479	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.960%	
Target Compounds						Qvalue
5) Bromomethane	1.855	94	143	Below Cal	#	3
6) Chloroethane	1.941	64	241	Below Cal	#	43
16) Acetone	2.639	43	944	0.627	ug/l	90
20) Methylene Chloride	3.038	84	750	0.293	ug/l #	85
31) Cyclohexane	5.379	56	4214	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	16214	4.820	ug/l #	51
38) Carbon Tetrachloride	5.375	117	20070	5.201	ug/l #	19
49) 1,4-Dioxane	6.996	88	46	0.743	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	2180	0.544	ug/l #	84
56) Ethyl methacrylate	8.346	69	176	2.654	ug/l #	45
59) 2-Hexanone	8.694	43	2835	0.862	ug/l	90
64) Tetrachloroethene	8.562	164	21	Below Cal	#	1
74) N-amyl acetate	10.333	43	617	2.563	ug/l #	46
76) 1,2,3-Trichloropropane	10.632	75	96917	16.016	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	96917	58.151	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	845	1.260	ug/l	89
89) n-Butylbenzene	12.214	91	2079	2.368	ug/l	88
93) 1,2,4-Trichlorobenzene	13.851	180	1799	0.425	ug/l	87
94) Hexachlorobutadiene	14.025	225	511	0.252	ug/l	99
95) Naphthalene	14.092	128	17637	3.666	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	2233	0.533	ug/l	95

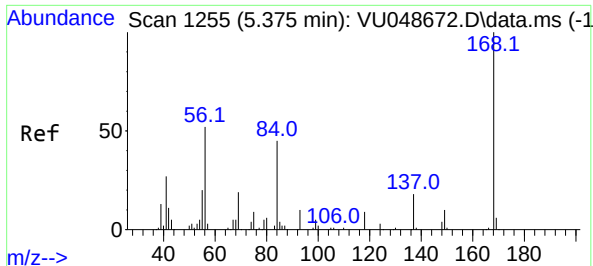
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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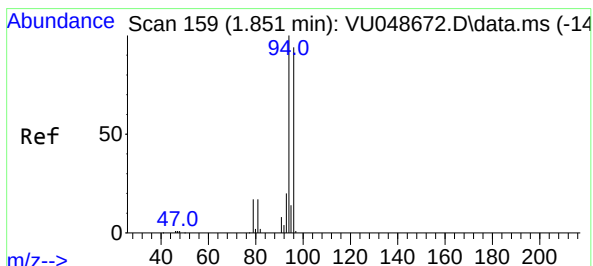
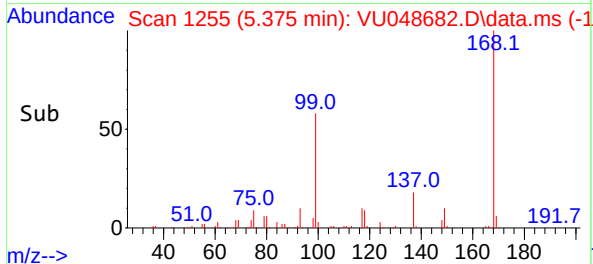
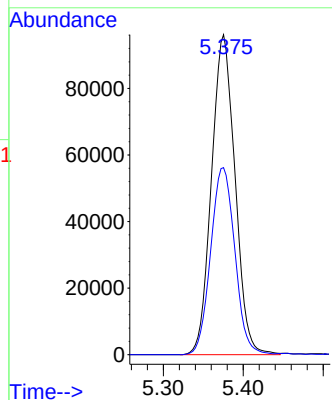
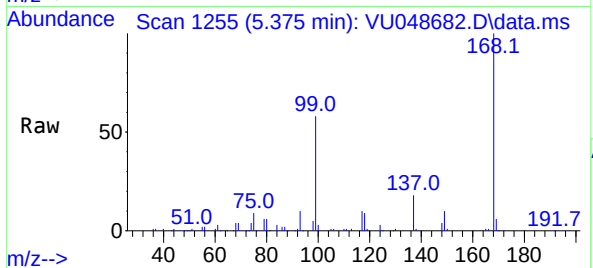




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

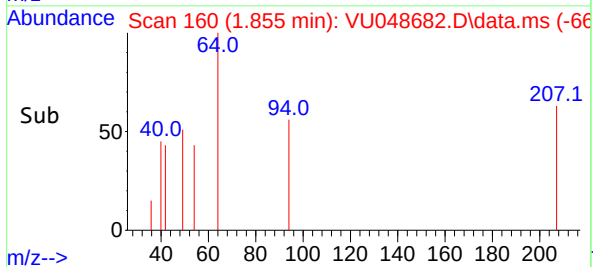
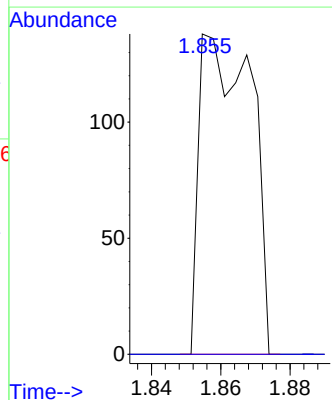
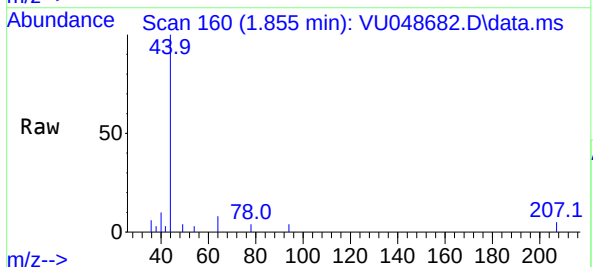
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

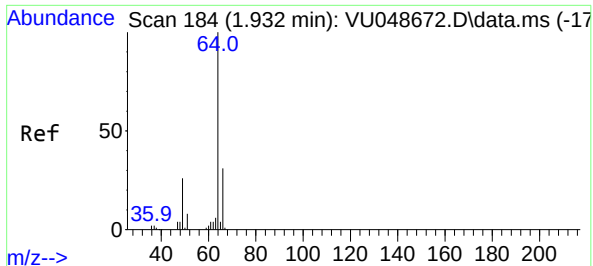
Tgt Ion:168 Resp: 196699
Ion Ratio Lower Upper
168 100
99 58.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.855 min Scan# 160
Delta R.T. 0.004 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

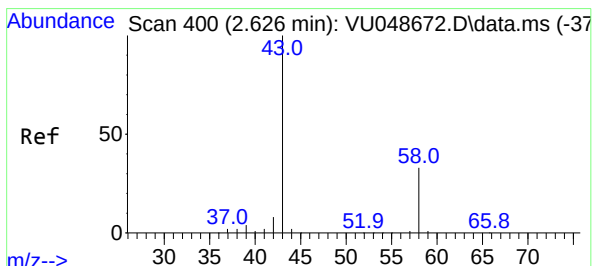
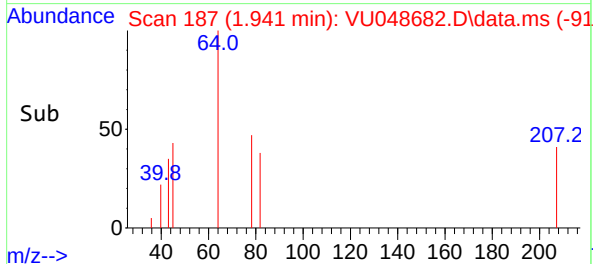
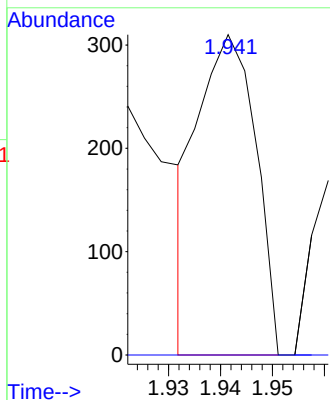
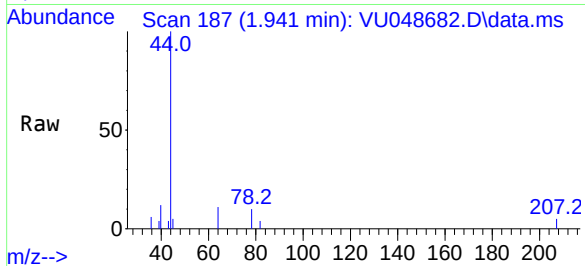




#6
Chloroethane
Concen: Below Cal
RT: 1.941 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

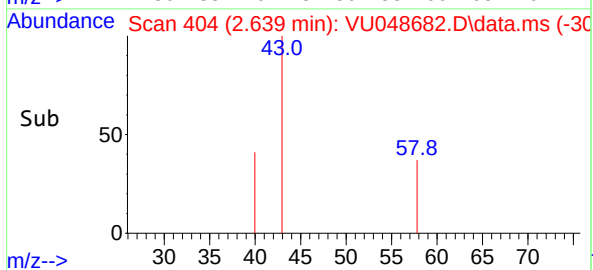
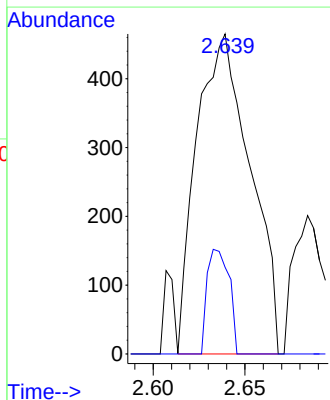
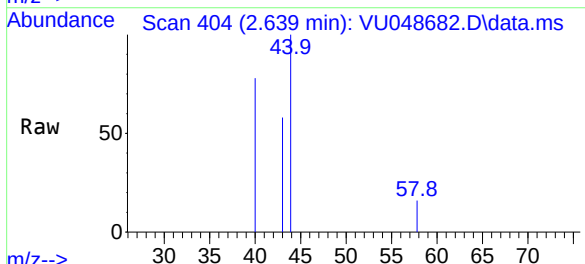
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

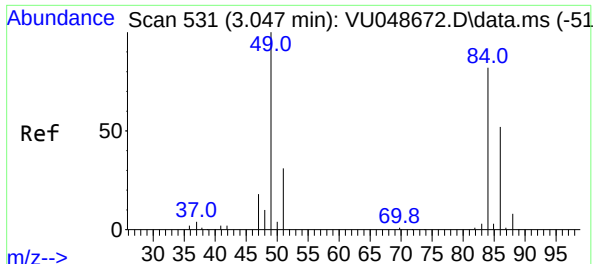
Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#16
Acetone
Concen: 0.627 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.013 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
58 27.1 26.3 39.5

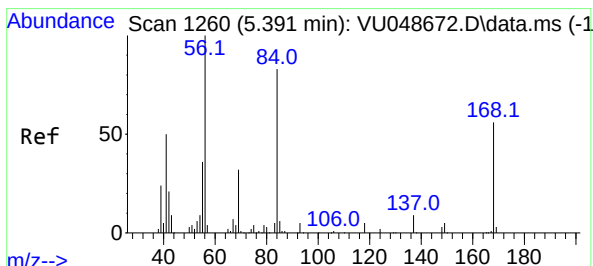
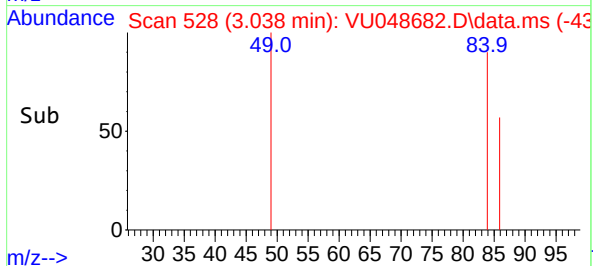
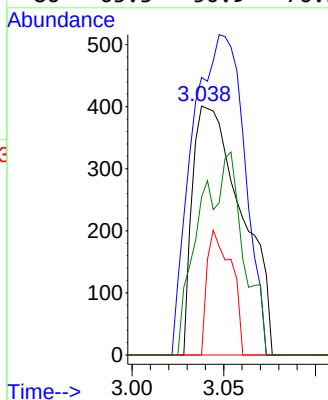
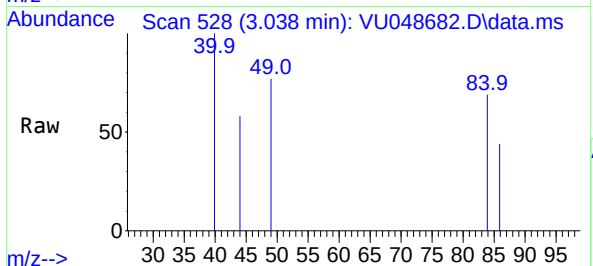




#20
Methylene Chloride
Concen: 0.293 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

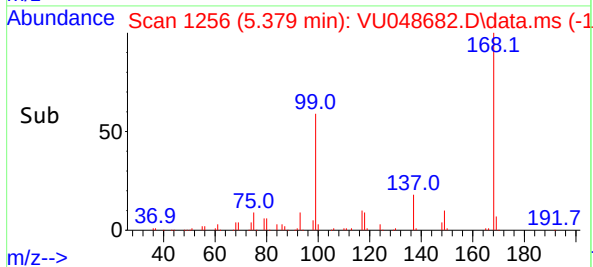
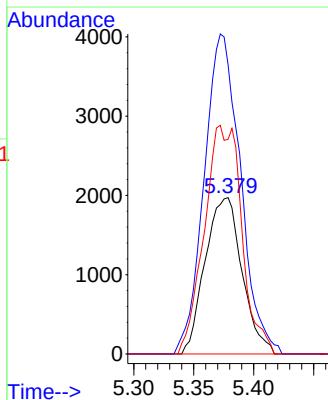
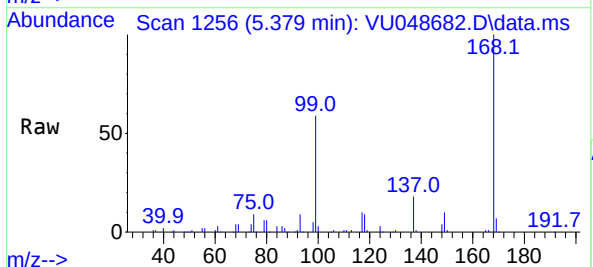
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

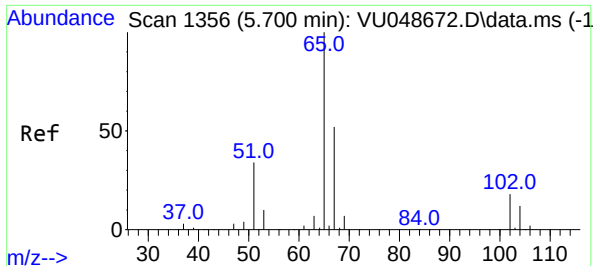
Tgt Ion:	84	Resp:	750
Ion	Ratio	Lower	Upper
84	100		
49	111.5	97.0	145.4
51	0.0	29.8	44.8#
86	63.3	50.9	76.3



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion:	56	Resp:	4214
Ion	Ratio	Lower	Upper
56	100		
69	179.6	25.6	38.4#
84	137.3	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 59.651 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU048682.D

Acq: 27 May 2022 10:16

Instrument :

MSVOA_U

ClientSampleId :

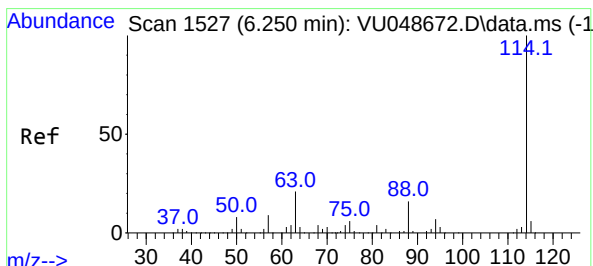
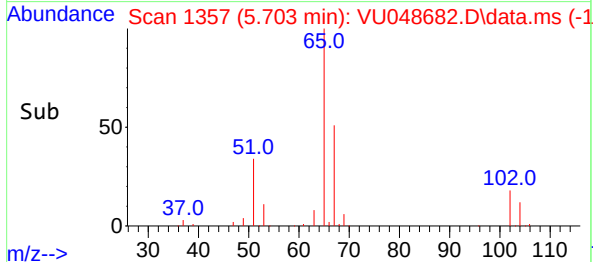
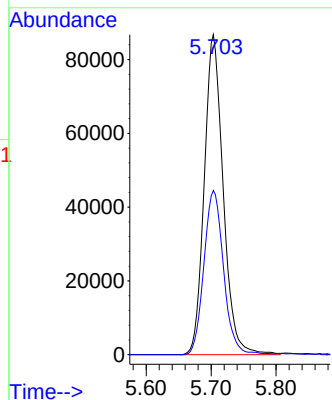
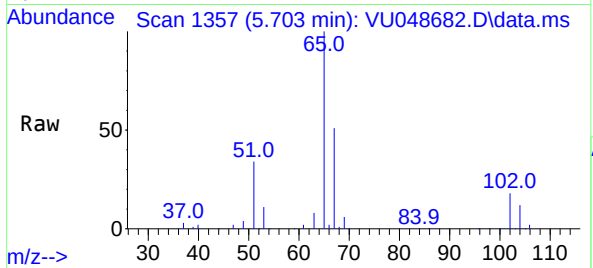
VU0527MBL01

Tgt Ion: 65 Resp: 176211

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048682.D

Acq: 27 May 2022 10:16

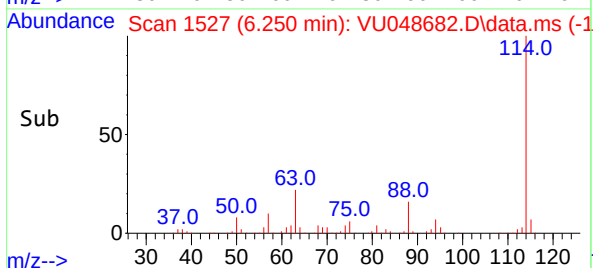
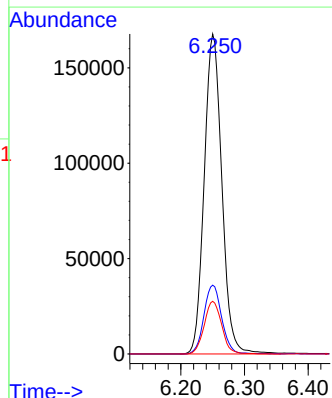
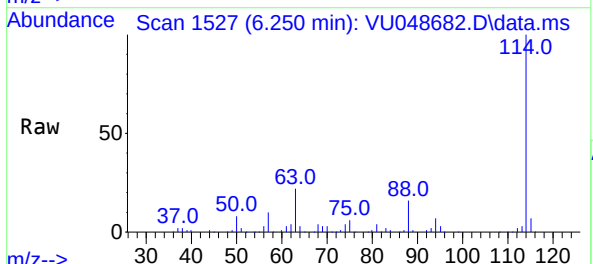
Tgt Ion: 114 Resp: 323061

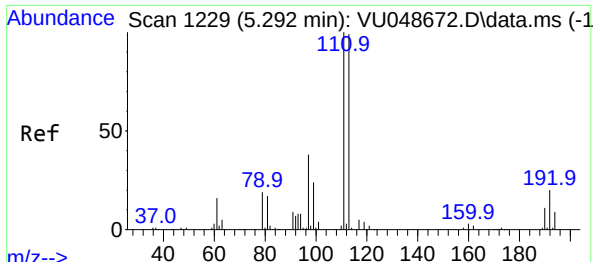
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 62.020 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048682.D

Acq: 27 May 2022 10:16

Instrument :

MSVOA_U

ClientSampleId :

VU0527MBL01

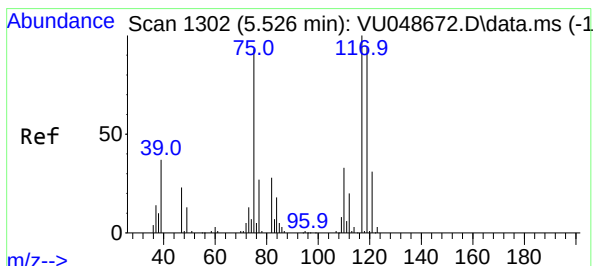
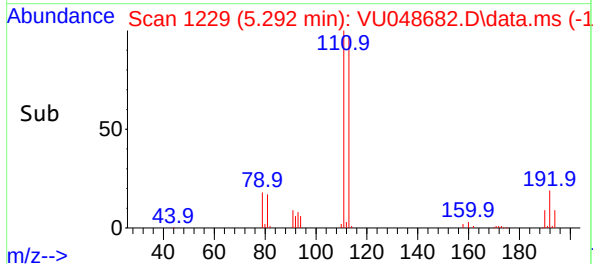
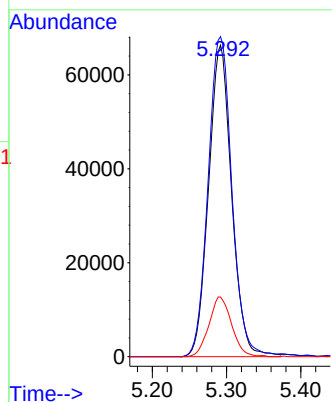
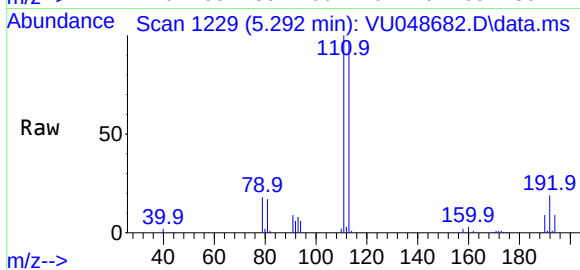
Tgt Ion:113 Resp: 142944

Ion Ratio Lower Upper

113 100

111 105.9 80.7 121.1

192 18.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048682.D

Acq: 27 May 2022 10:16

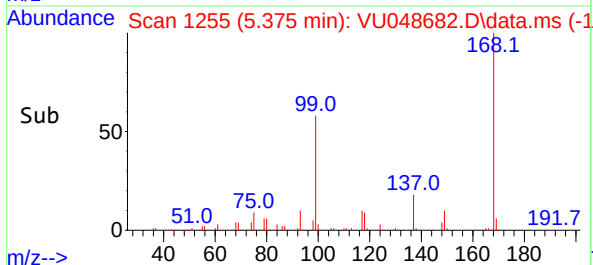
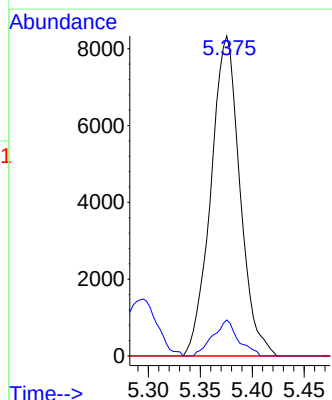
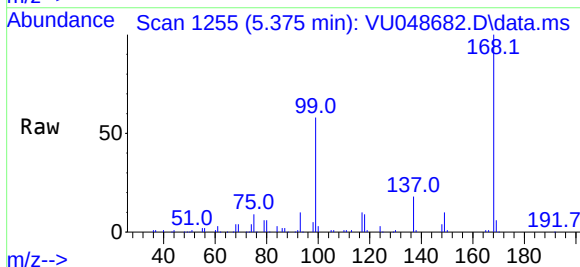
Tgt Ion: 75 Resp: 16214

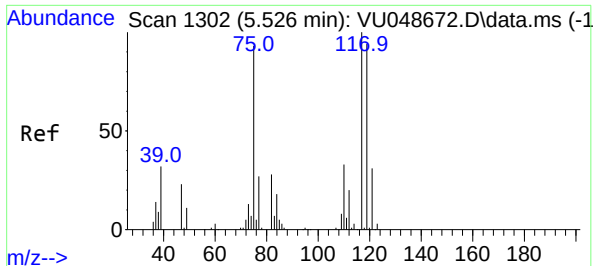
Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

77 0.0 24.8 37.2#

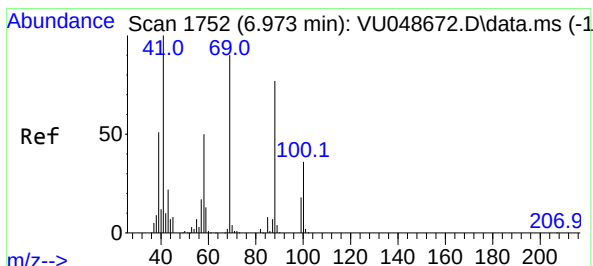
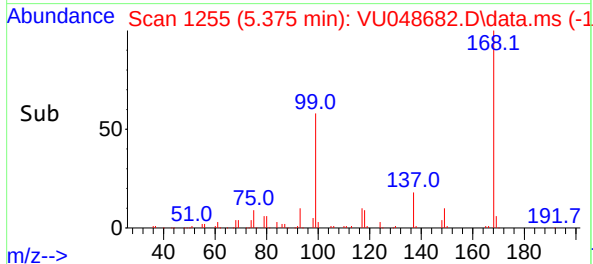
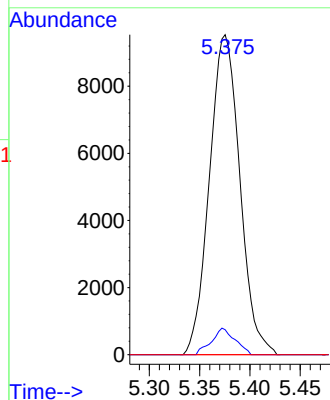
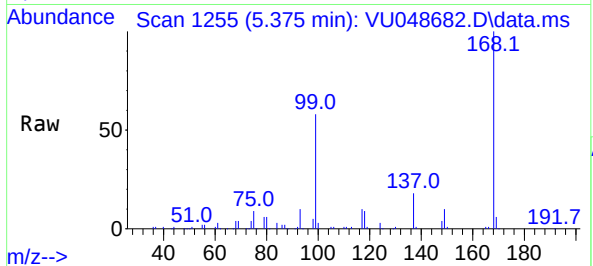




#38
Carbon Tetrachloride
Concen: 5.201 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

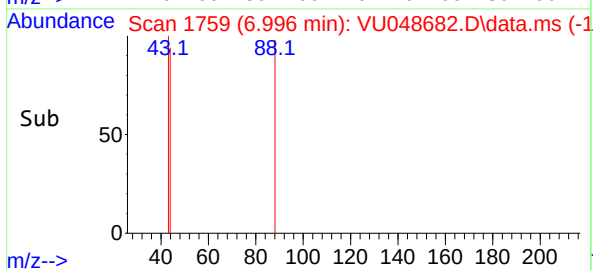
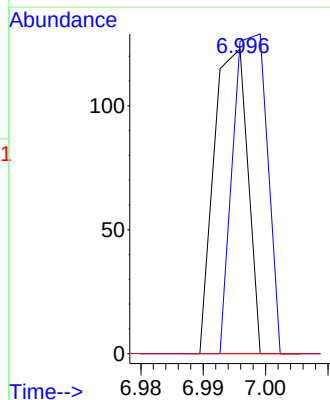
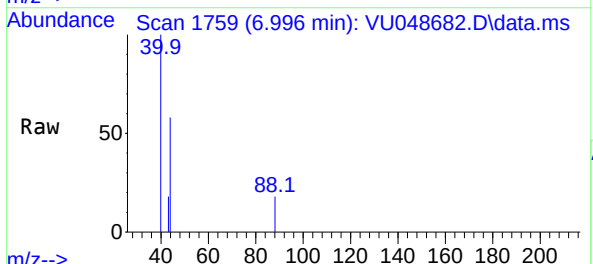
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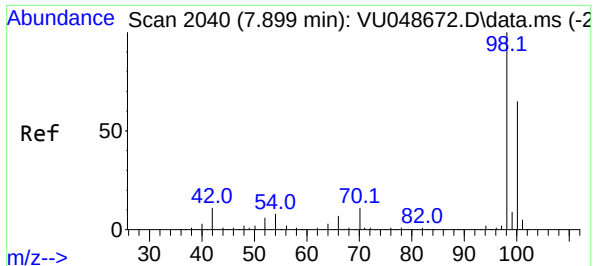
Tgt Ion:117 Resp: 20070
Ion Ratio Lower Upper
117 100
119 7.8 75.4 113.2#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 0.743 ug/l
RT: 6.996 min Scan# 1759
Delta R.T. 0.023 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 106.5 24.6 36.8#
58 0.0 54.7 82.1#

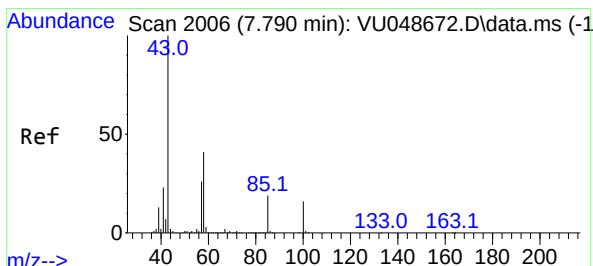
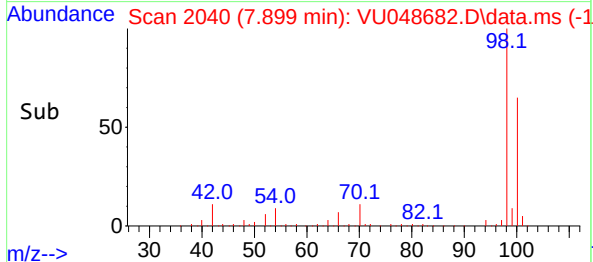
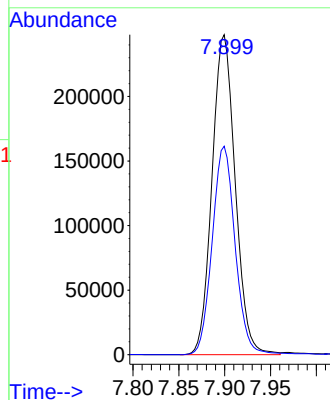
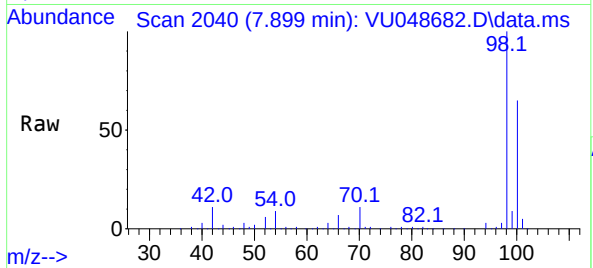




#50
Toluene-d8
Concen: 52.826 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

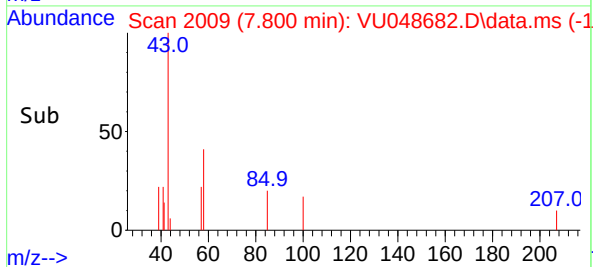
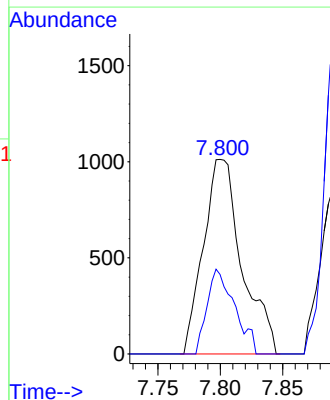
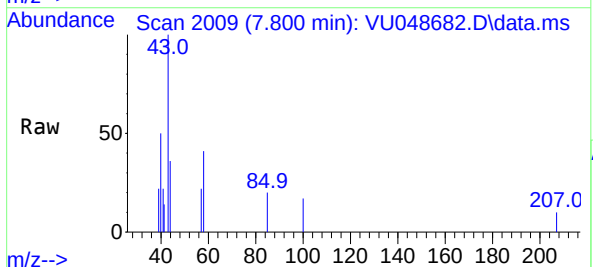
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MSVOA_U
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VU0527MBL01

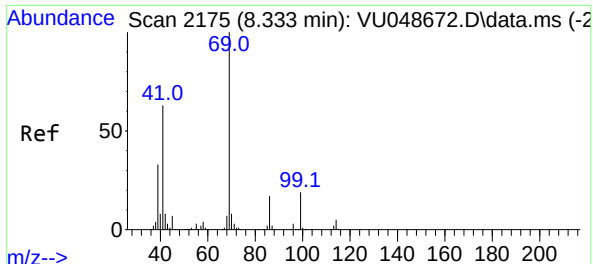
Tgt Ion: 98 Resp: 436440
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.544 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.010 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 43 Resp: 2180
Ion Ratio Lower Upper
43 100
58 31.1 32.7 49.1#

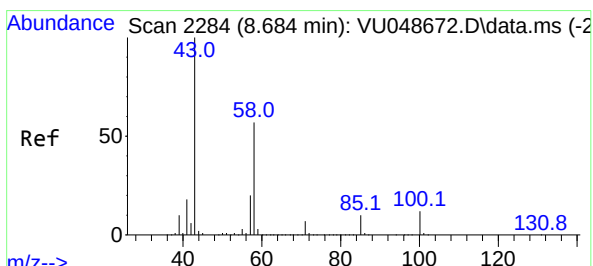
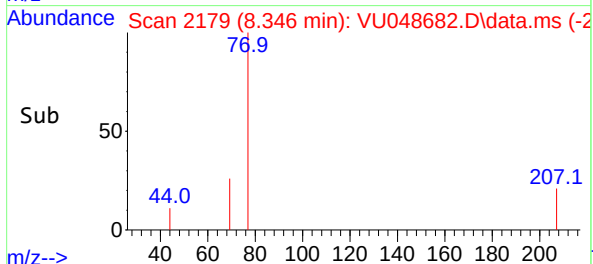
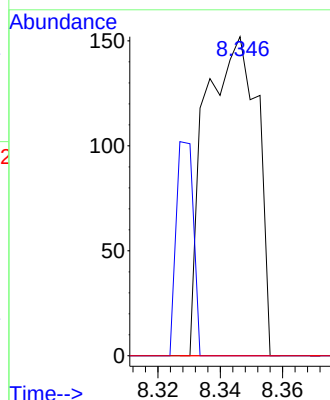
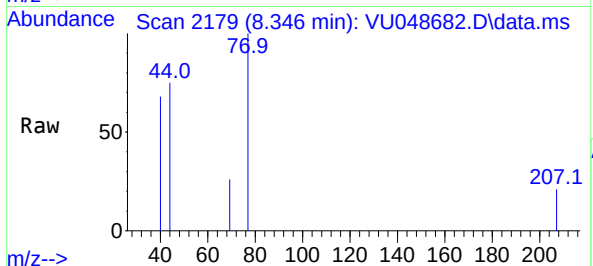




#56
Ethyl methacrylate
Concen: 2.654 ug/l
RT: 8.346 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

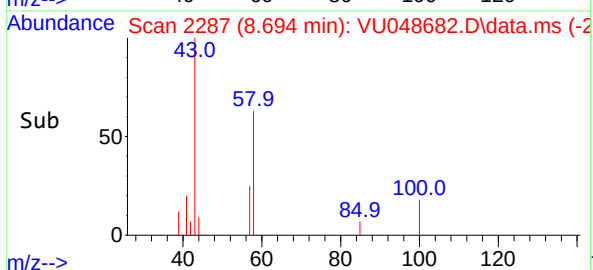
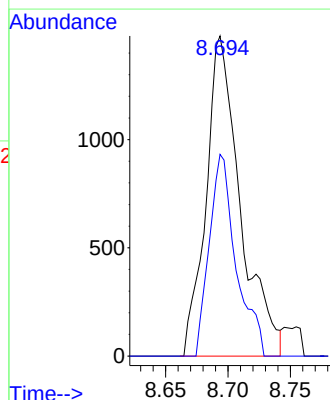
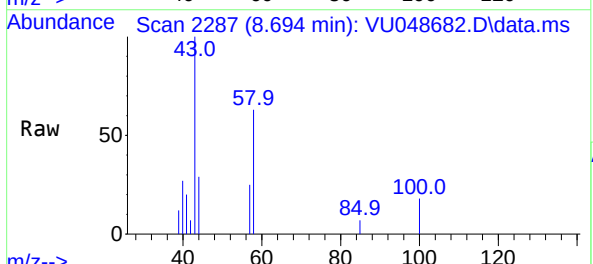
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

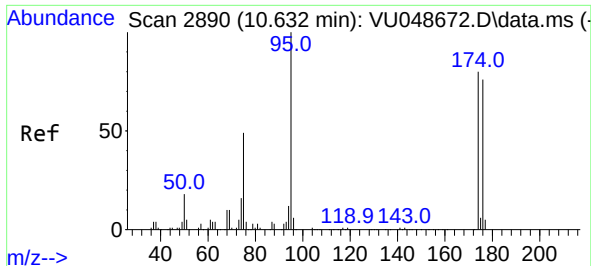
Tgt Ion: 69 Resp: 176
Ion Ratio Lower Upper
69 100
41 22.2 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.862 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.010 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 43 Resp: 2835
Ion Ratio Lower Upper
43 100
58 49.1 28.2 84.6

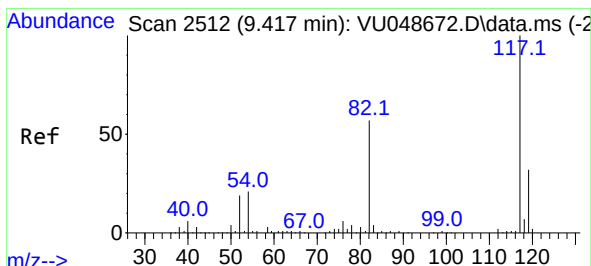
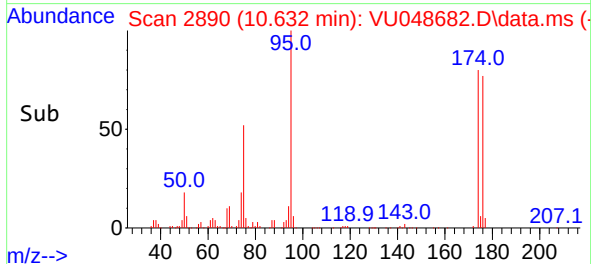
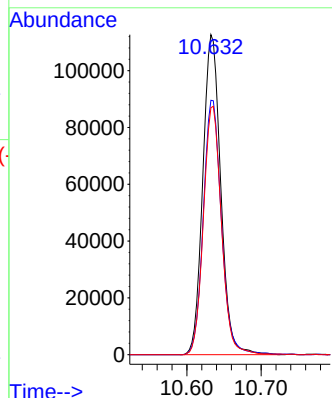
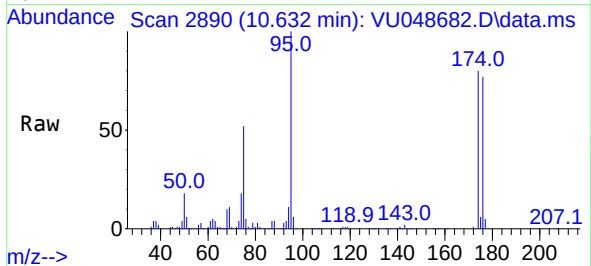




#62
4-Bromofluorobenzene
Concen: 60.479 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

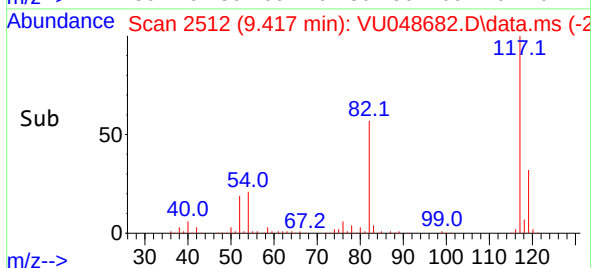
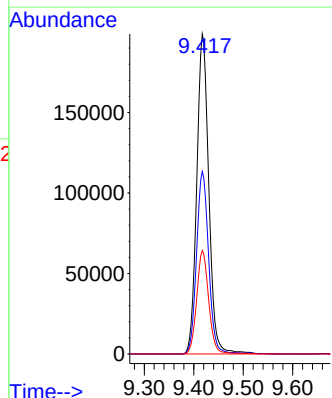
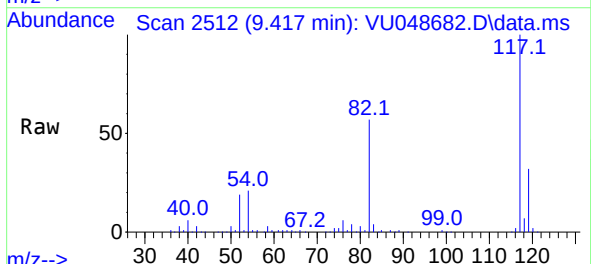
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

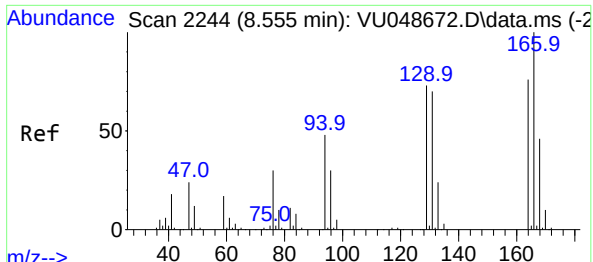
Tgt Ion: 95 Resp: 188970
Ion Ratio Lower Upper
95 100
174 80.6 0.0 159.4
176 77.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 117 Resp: 337762
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 32.3 25.4 38.2



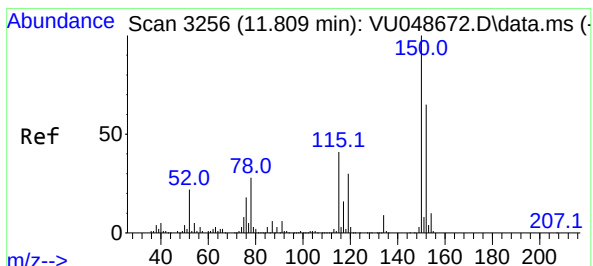
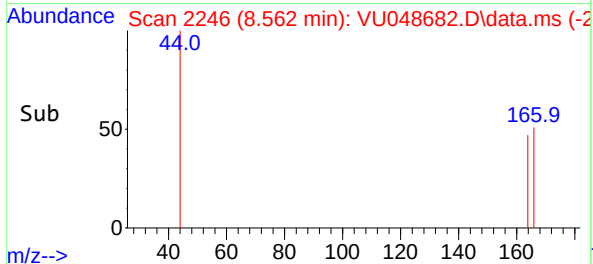
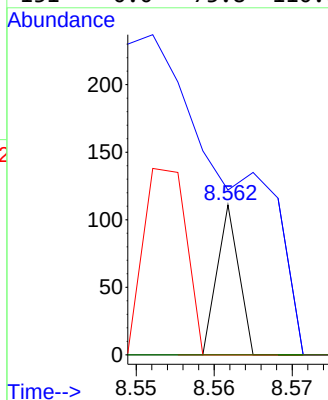
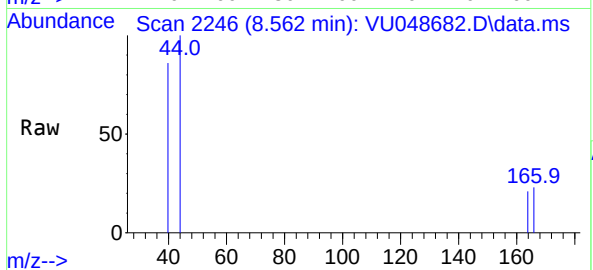


#64
Tetrachloroethene
Concen: Below Cal
RT: 8.562 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

Tgt Ion:164 Resp: 21

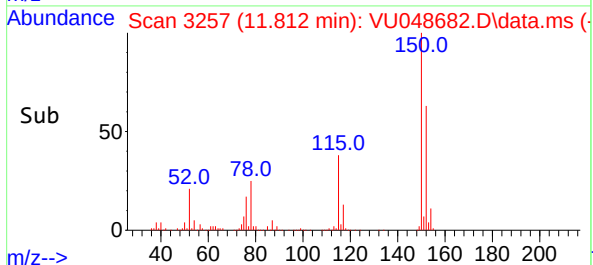
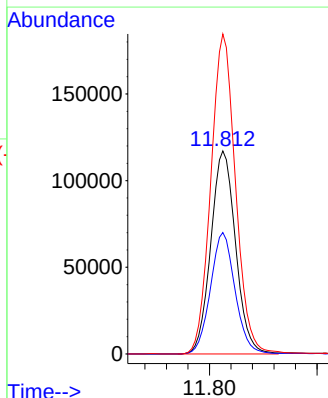
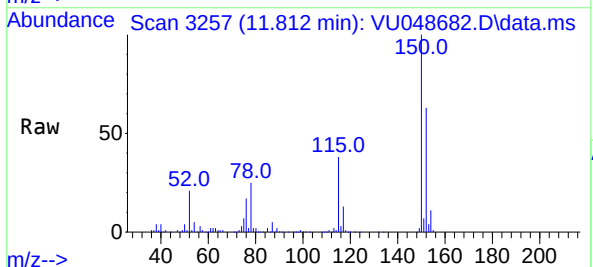
Ion	Ratio	Lower	Upper
164	100		
166	5.4	105.0	157.4#
129	0.0	76.5	114.7#
131	0.0	73.8	110.6#

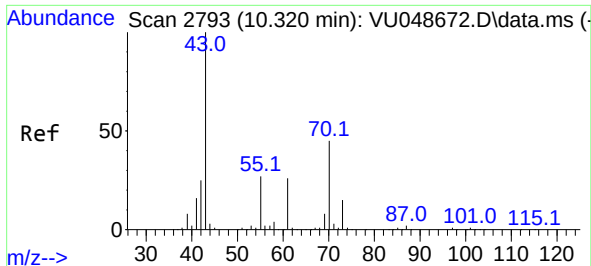


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion:152 Resp: 187683

Ion	Ratio	Lower	Upper
152	100		
115	59.5	41.8	125.4
150	157.1	0.0	341.0

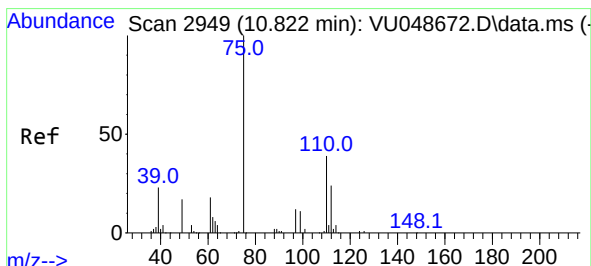
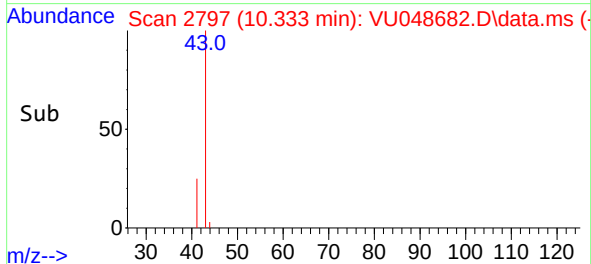
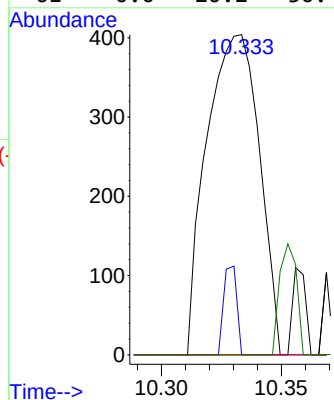
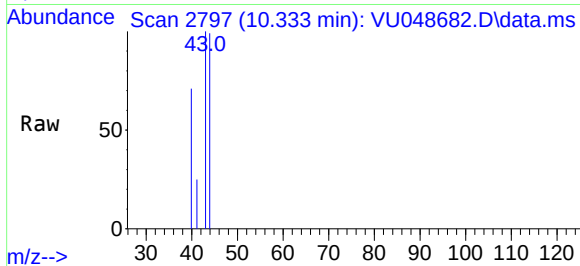




#74
N-amy1 acetate
Concen: 2.563 ug/l
RT: 10.333 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

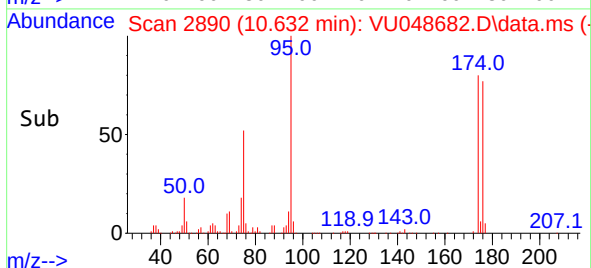
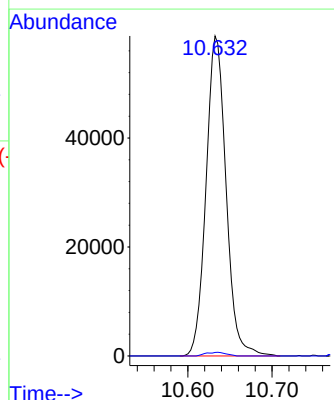
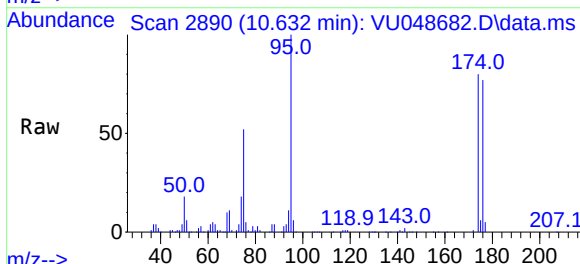
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

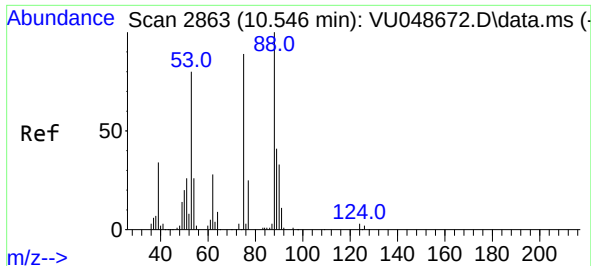
Tgt Ion: 43	Resp: 617
Ion Ratio	Lower Upper
43 100	
70 6.8	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.016 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 75	Resp: 96917
Ion Ratio	Lower Upper
75 100	
77 1.2	14.8 44.3#

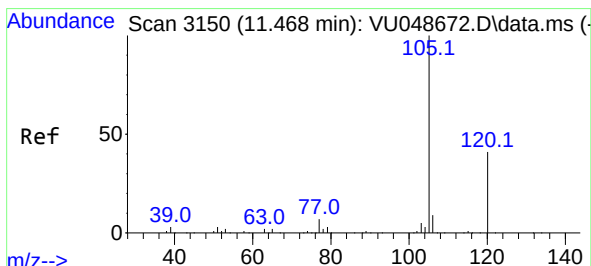
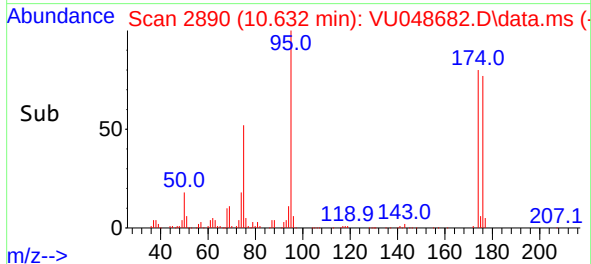
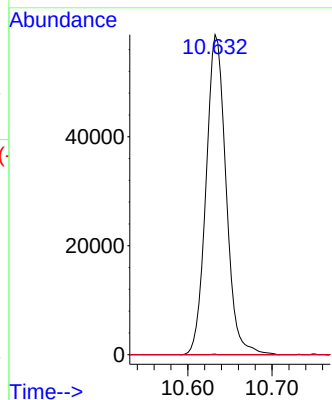
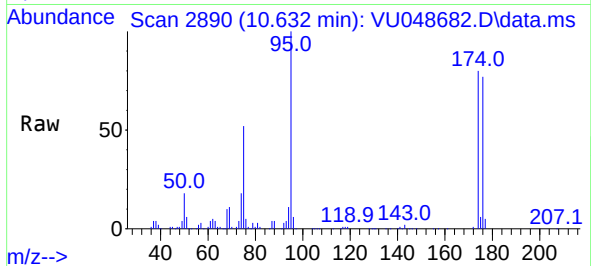




#81
trans-1,4-Dichloro-2-butene
Concen: 58.151 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

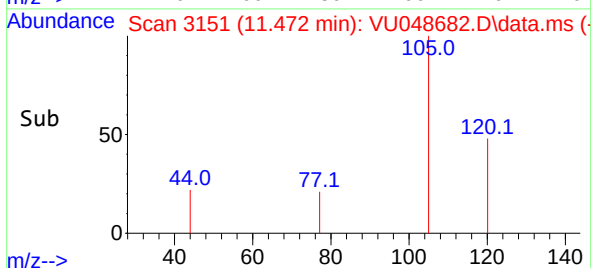
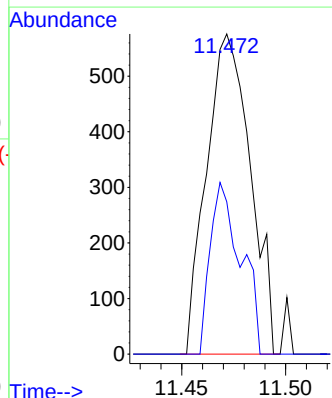
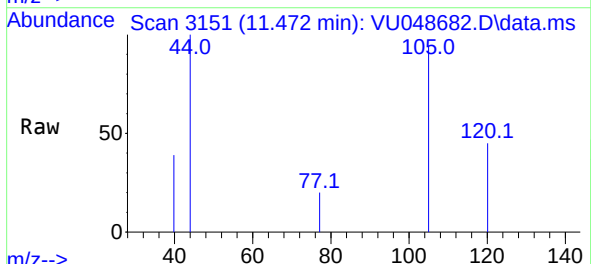
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

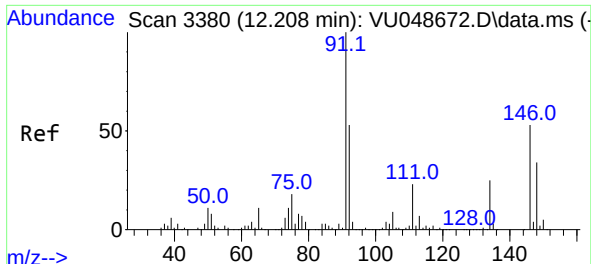
Tgt Ion: 75 Resp: 96917
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.260 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion: 105 Resp: 845
Ion Ratio Lower Upper
105 100
120 37.5 22.5 67.5

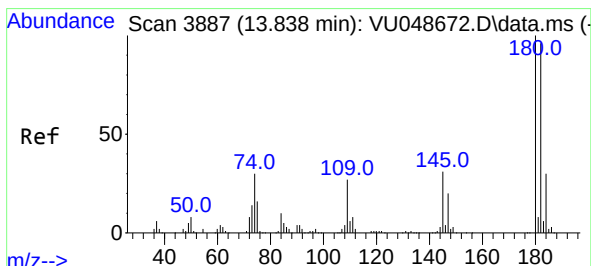
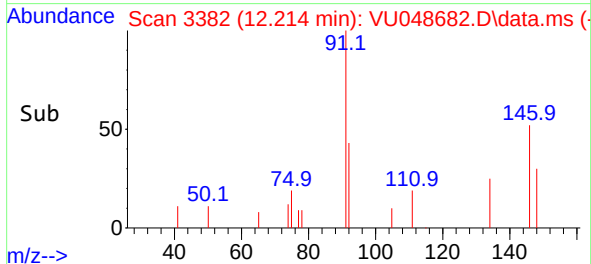
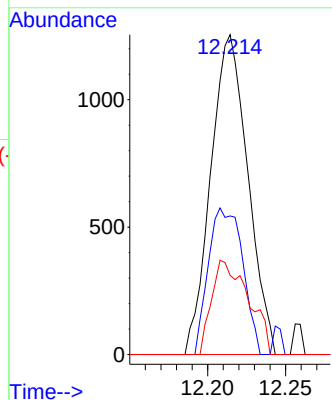
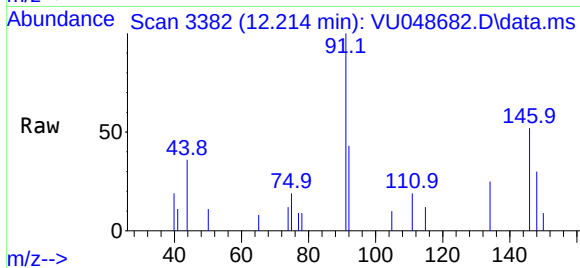




#89
n-Butylbenzene
Concen: 2.368 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

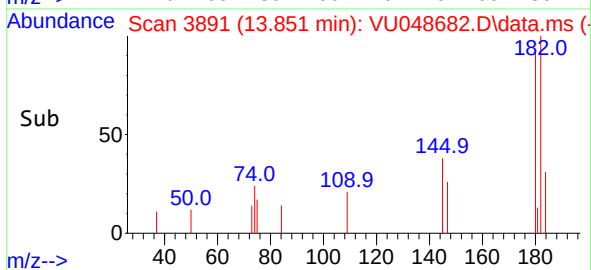
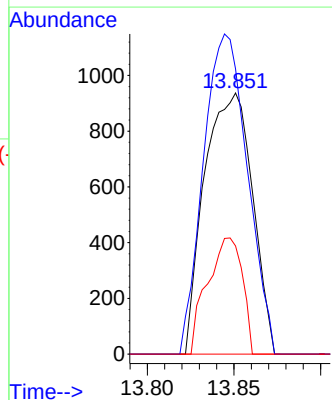
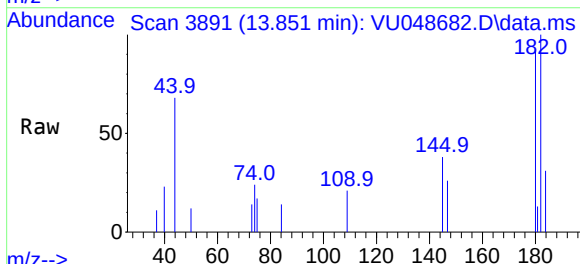
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

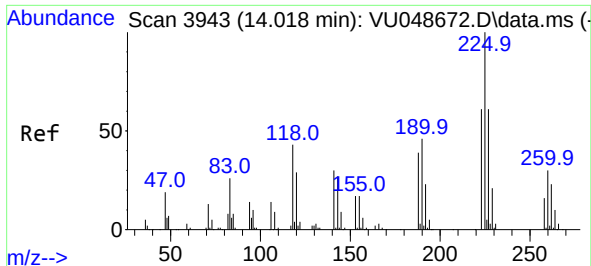
Tgt Ion: 91 Resp: 2079
Ion Ratio Lower Upper
91 100
92 42.3 25.9 77.8
134 29.2 12.5 37.5



#93
1,2,4-Trichlorobenzene
Concen: 0.425 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion:180 Resp: 1799
Ion Ratio Lower Upper
180 100
182 112.8 48.3 144.9
145 32.4 15.6 46.7

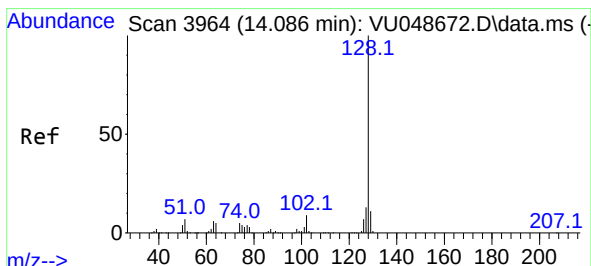
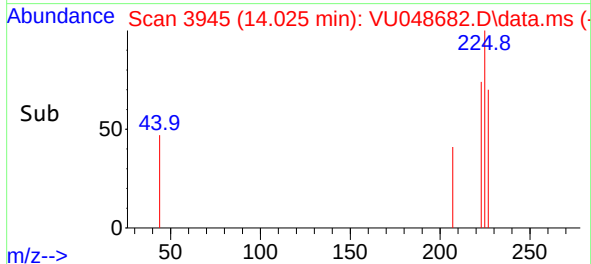
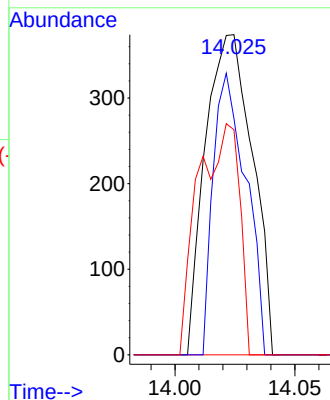
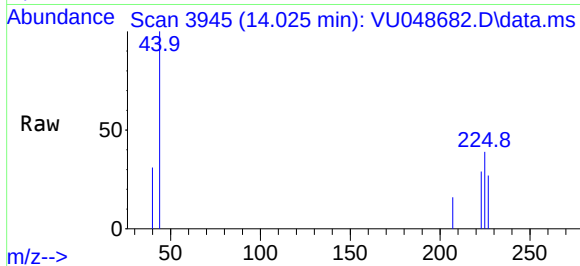




#94
Hexachlorobutadiene
Concen: 0.252 ug/l
RT: 14.025 min Scan# 3945
Delta R.T. 0.007 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

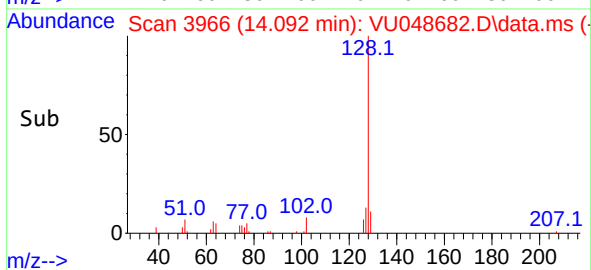
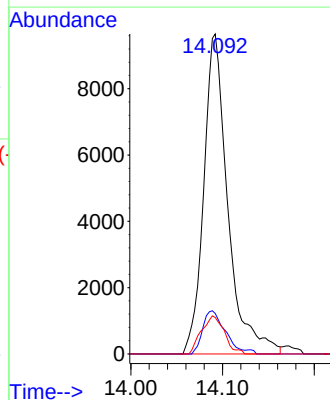
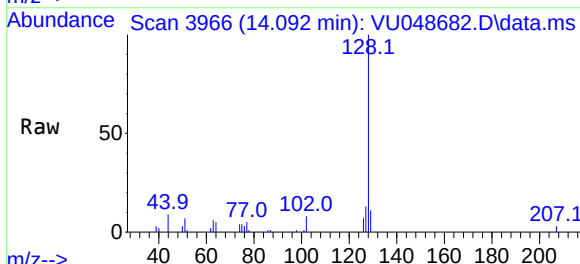
Instrument :
MSVOA_U
ClientSampleId :
VU0527MBL01

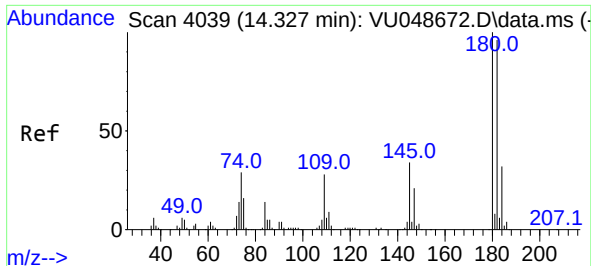
Tgt Ion:	225	Resp:	511
Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.9	92.8
227	63.2	31.1	93.5



#95
Naphthalene
Concen: 3.666 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048682.D
Acq: 27 May 2022 10:16

Tgt Ion:	128	Resp:	17637
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.3	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.533 ug/l

RT: 14.333 min Scan# 40

Delta R.T. 0.007 min

Lab File: VU048682.D

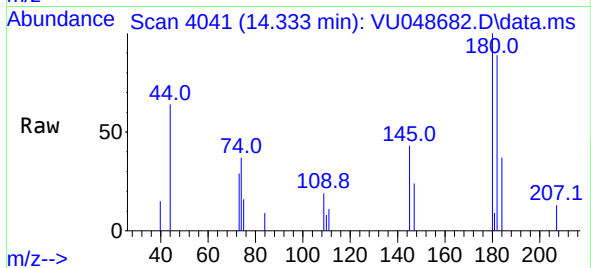
Acq: 27 May 2022 10:16

Instrument :

MSVOA_U

ClientSampleId :

VU0527MBL01



Tgt Ion:180 Resp: 2233

Ion Ratio Lower Upper

180 100

182 89.3 47.4 142.2

145 34.7 16.6 49.8

