

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120822\
 Data File : VU052258.D
 Acq On : 08 Dec 2022 18:58
 Operator : JC/MD
 Sample : N5930-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ88

Quant Time: Dec 08 22:33:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	760	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.417	117	701	5.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	981	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	0.000	65	0	0.000	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.000%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	65	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 125	Recovery	=	0.000%#
20) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.000%#
24) Chloroform-d	5.083	84	128	1.178	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	23.600%#
26) 1,2-Dichloroethane-d4	5.703	65	789	14.381	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	287.600%#
32) Benzene-d6	5.729	84	152	0.730	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	14.600%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.000%#
41) Toluene-d8	7.893	98	959	5.093	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.000%#
46) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	45 - 130	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	10.761	84	171	3.062	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	61.200%#
66) 1,2-Dichlorobenzene-d4	12.195	152	681	3.626	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1370	15.926	ug/L	87
8) Chloroethane	1.919	64	128	2.490	ug/L #	45
12) 1,1-Dichloroethene	2.584	96	3896	70.667	ug/L #	56
13) Acetone	2.652	43	3911	429.812	ug/L	99
14) Carbon disulfide	2.800	76	404	2.117	ug/L #	76
16) Methylene chloride	3.044	84	867	11.624	ug/L #	73
19) 1,1-Dichloroethane	4.035	63	41	0.385	ug/L #	50
21) 2-Butanone	4.752	43	69	4.731	ug/L #	43
23) Bromochloromethane	4.970	128	80	2.696	ug/L #	1
25) Chloroform	5.086	83	3324	30.797	ug/L	88
27) 1,2-Dichloroethane	5.790	62	342	5.174	ug/L #	72
29) 1,1,1-Trichloroethane	5.317	97	36446	468.612	ug/L	97
31) Carbon tetrachloride	5.311	117	5241	79.308	ug/L	93
33) Benzene	5.787	78	278	1.219	ug/L	100
34) Trichloroethene	6.542	95	456	8.014	ug/L #	88
40) 4-Methyl-2-pentanone	7.803	43	170	5.510	ug/L #	1
42) Toluene	7.973	91	158	0.673	ug/L #	22
45) 1,1,2-Trichloroethane	8.546	97	278	6.263	ug/L #	1
47) Tetrachloroethene	8.552	164	48623	1114.956	ug/L	98

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

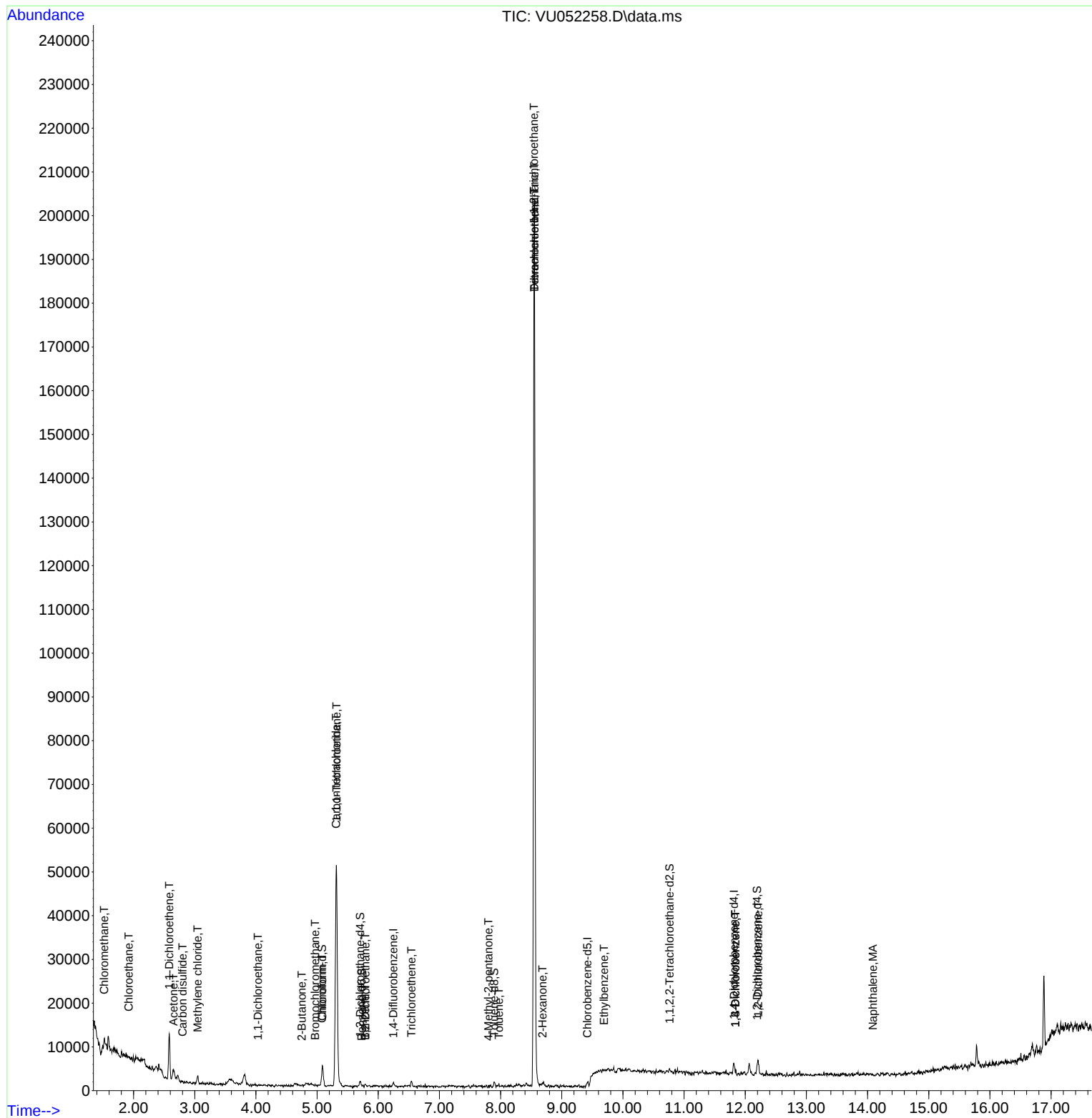
48) 2-Hexanone	8.687	43	322	14.235	ug/L #	34
49) Dibromochloromethane	8.552	129	47556	956.582	ug/L #	12
52) Ethylbenzene	9.690	91	143	0.627	ug/L #	43
64) 1,3-Dichlorobenzene	11.841	146	432	1.373	ug/L #	56
65) 1,4-Dichlorobenzene	11.841	146	432	1.377	ug/L #	57
67) 1,2-Dichlorobenzene	12.214	146	1283	4.234	ug/L	98
71) Naphthalene	14.086	128	141	0.442	ug/L #	1

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

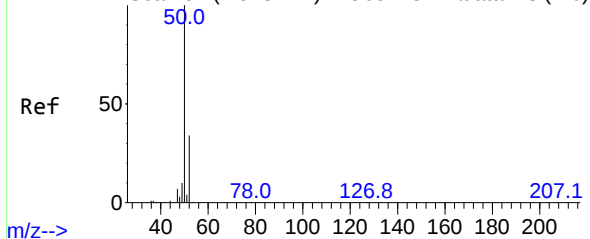
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Abundance Scan 57 (1.523 min): VU052237.D\data.ms (-46)



#3

Chloromethane

Concen: 15.926 ug/L

RT: 1.520 min Scan# 50

Delta R.T. 0.000 min

Lab File: VU052258.D

Acq: 08 Dec 2022 18:58

Instrument :

MSVOA_U

ClientSampleId :

EXZ88

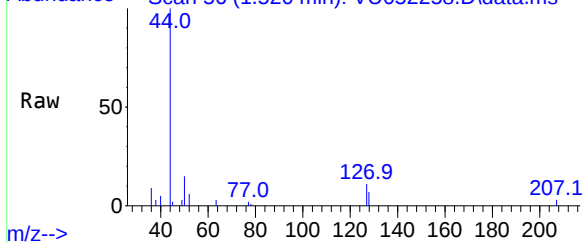
Tgt Ion: 50 Resp: 1370

Ion Ratio Lower Upper

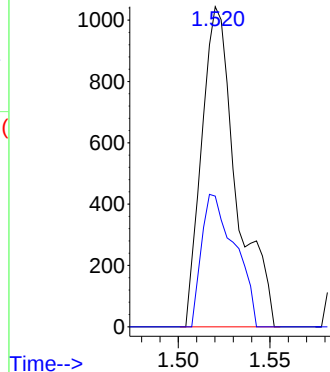
50 100

52 40.8 23.4 43.4

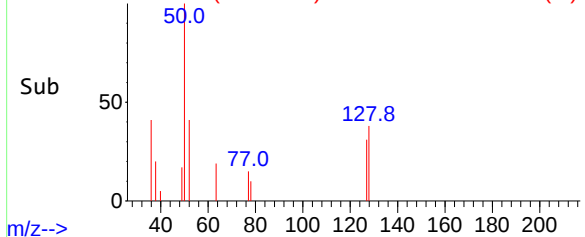
Abundance Scan 56 (1.520 min): VU052258.D\data.ms



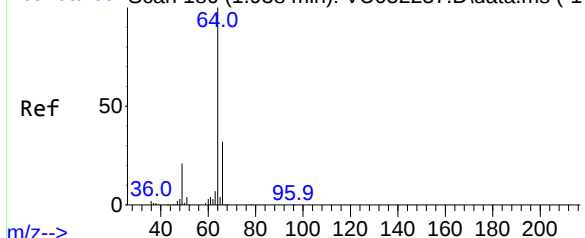
Abundance



Abundance Scan 56 (1.520 min): VU052258.D\data.ms (-1)



Abundance Scan 186 (1.938 min): VU052237.D\data.ms (-17)



#8

Chloroethane

Concen: 2.490 ug/L

RT: 1.919 min Scan# 180

Delta R.T. -0.016 min

Lab File: VU052258.D

Acq: 08 Dec 2022 18:58

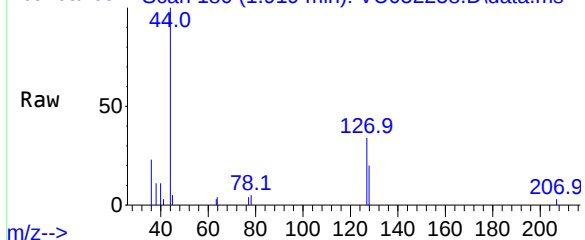
Tgt Ion: 64 Resp: 128

Ion Ratio Lower Upper

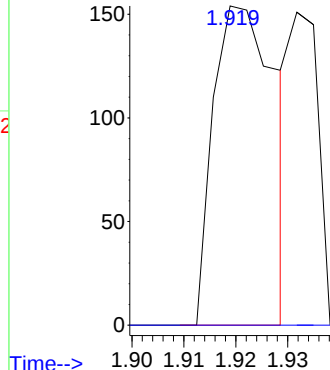
64 100

66 0.0 21.1 39.1#

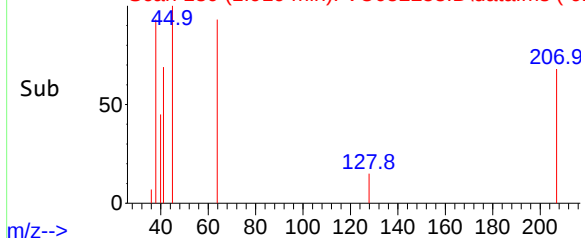
Abundance Scan 180 (1.919 min): VU052258.D\data.ms

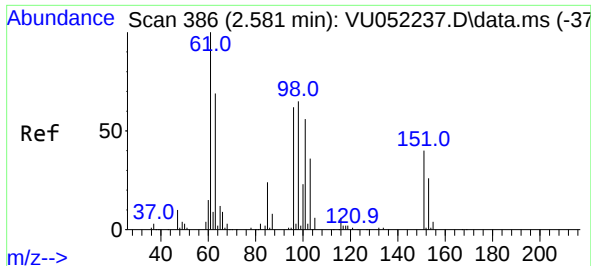


Abundance



Abundance Scan 180 (1.919 min): VU052258.D\data.ms (-92)





#12

1,1-Dichloroethene

Concen: 70.667 ug/L

RT: 2.584 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU052258.D

Acq: 08 Dec 2022 18:58

Instrument :

MSVOA_U

ClientSampleId :

EXZ88

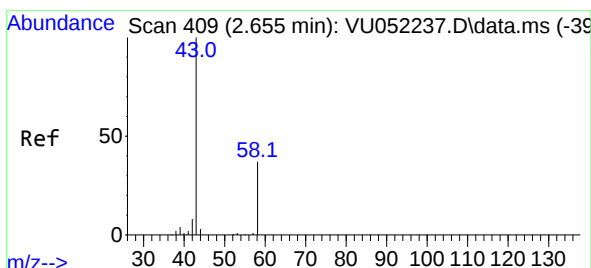
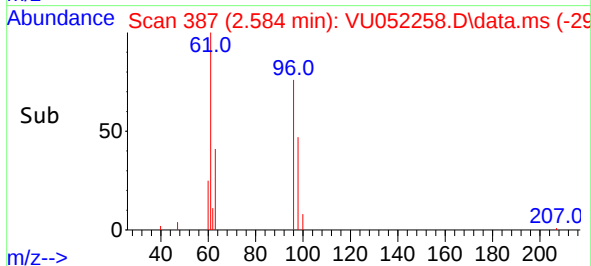
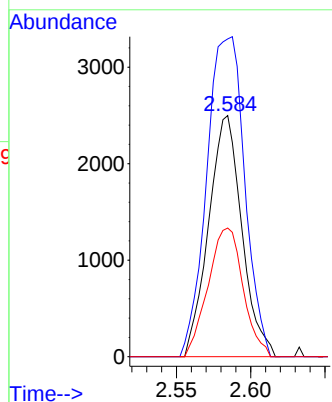
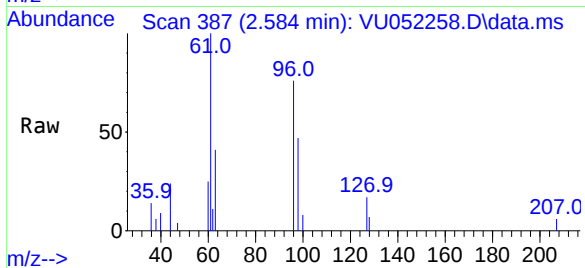
Tgt Ion: 96 Resp: 3896

Ion Ratio Lower Upper

96 100

61 131.8 114.8 213.2

63 53.4 93.7 174.1#



#13

Acetone

Concen: 429.812 ug/L

RT: 2.652 min Scan# 408

Delta R.T. 0.006 min

Lab File: VU052258.D

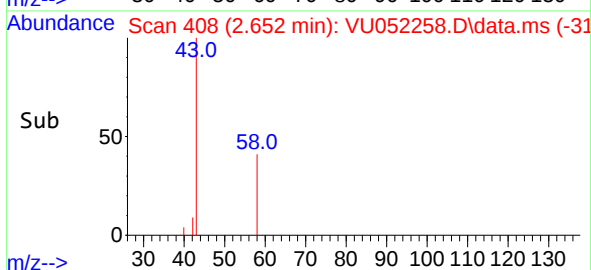
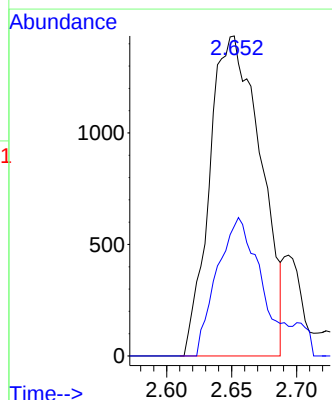
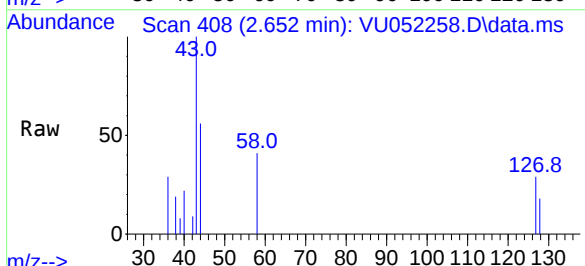
Acq: 08 Dec 2022 18:58

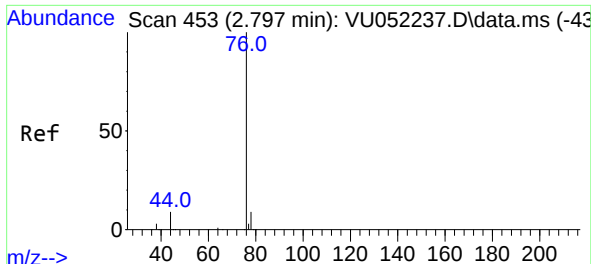
Tgt Ion: 43 Resp: 3911

Ion Ratio Lower Upper

43 100

58 37.5 0.0 76.0

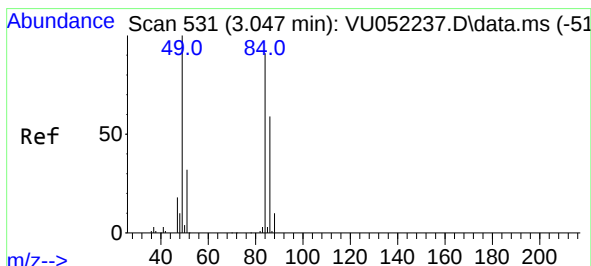
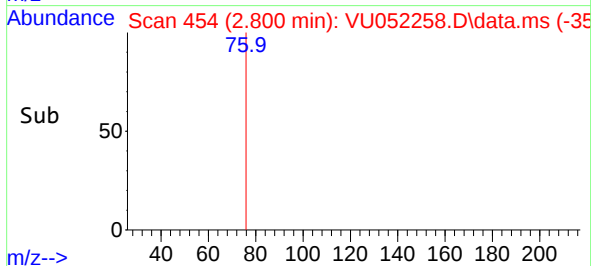
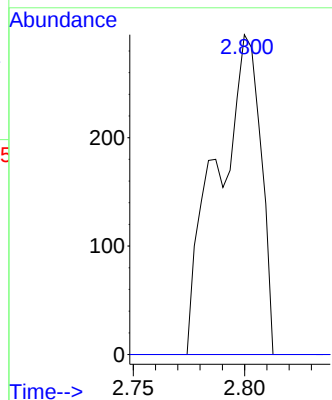
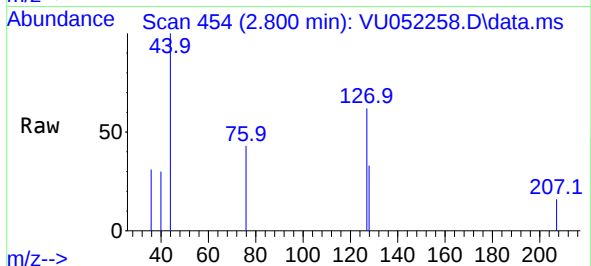




#14
Carbon disulfide
Concen: 2.117 ug/L
RT: 2.800 min Scan# 41
Delta R.T. 0.006 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

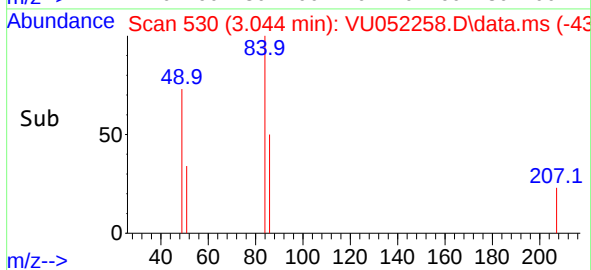
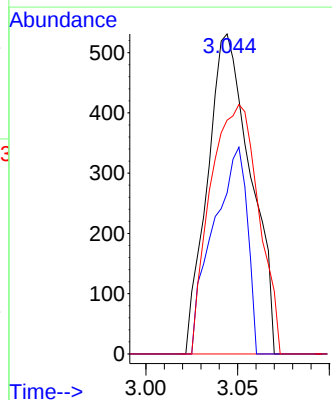
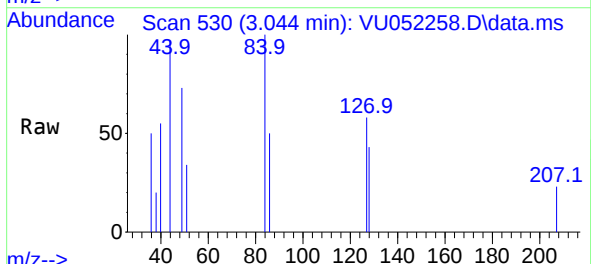
Instrument :
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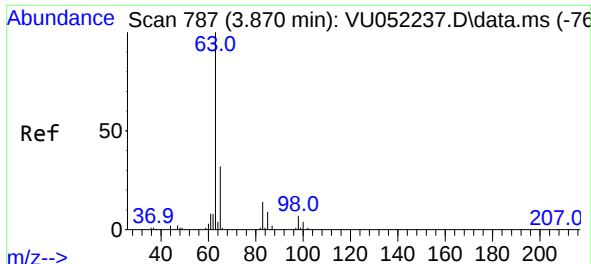
Tgt Ion: 76 Resp: 404
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#16
Methylene chloride
Concen: 11.624 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 84 Resp: 867
Ion Ratio Lower Upper
84 100
86 50.3 43.8 81.4
49 73.1 75.9 141.1#

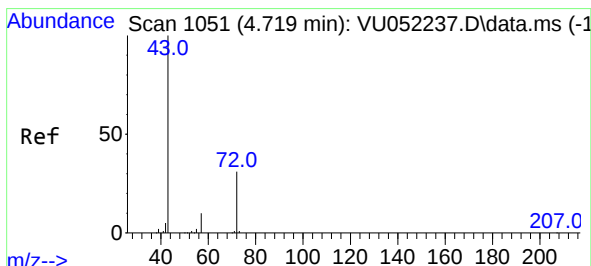
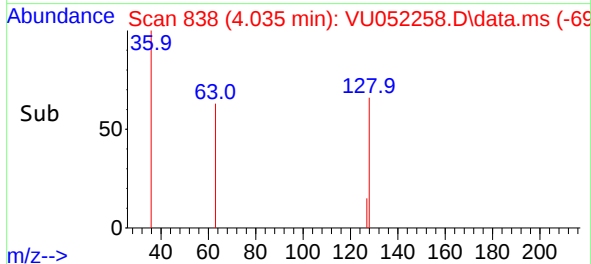
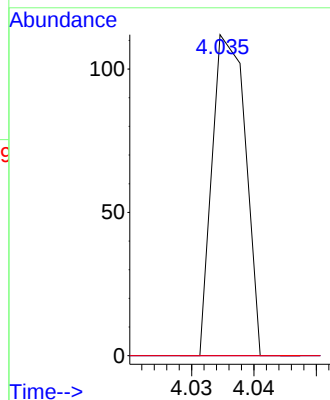
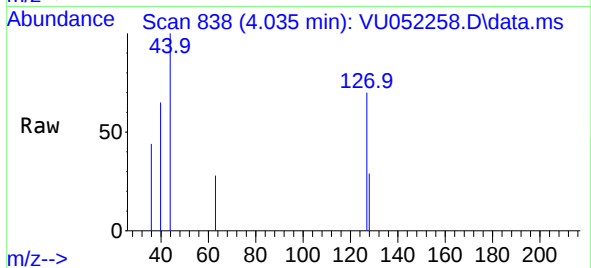




#19
1,1-Dichloroethane
Concen: 0.385 ug/L
RT: 4.035 min Scan# 81
Delta R.T. 0.167 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

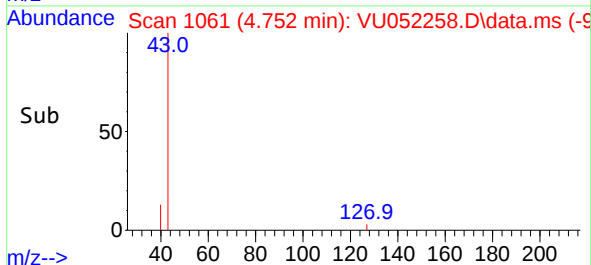
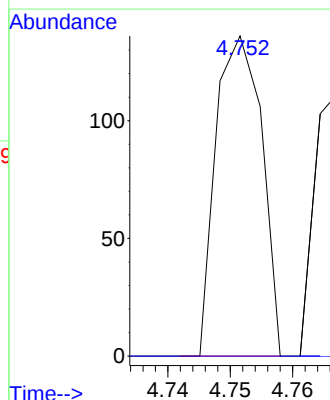
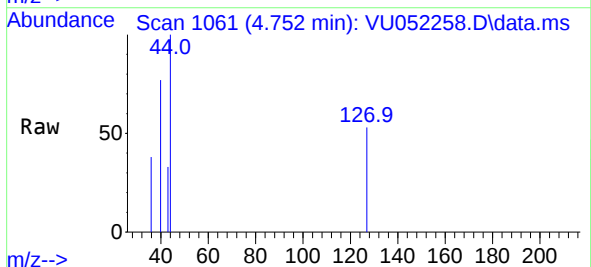
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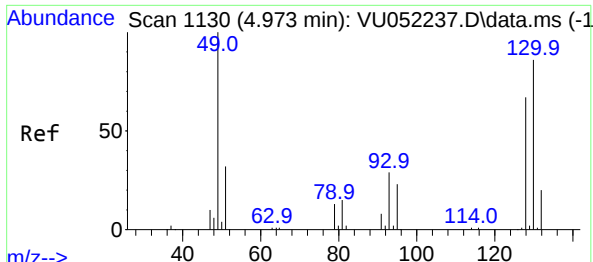
Tgt Ion: 63 Resp: 41
Ion Ratio Lower Upper
63 100
65 0.0 22.2 41.2#
83 0.0 9.2 17.0#



#21
2-Butanone
Concen: 4.731 ug/L
RT: 4.752 min Scan# 1061
Delta R.T. 0.039 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
72 0.0 15.6 46.8#

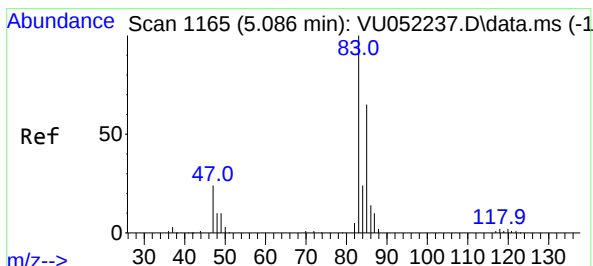
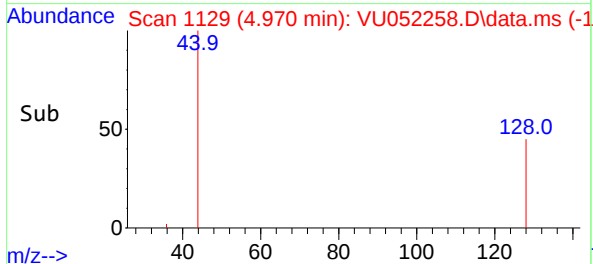
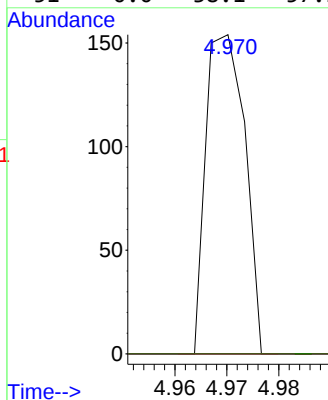
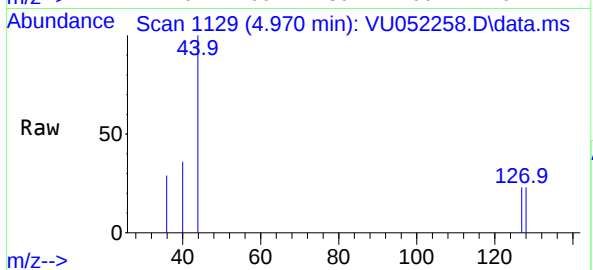




#23
Bromochloromethane
Concen: 2.696 ug/L
RT: 4.970 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

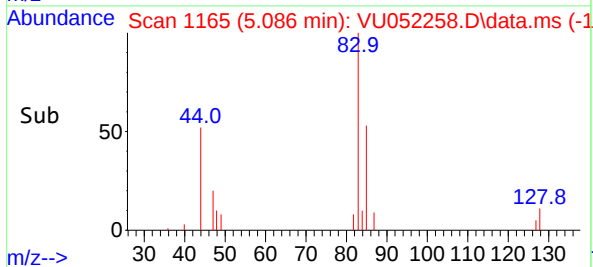
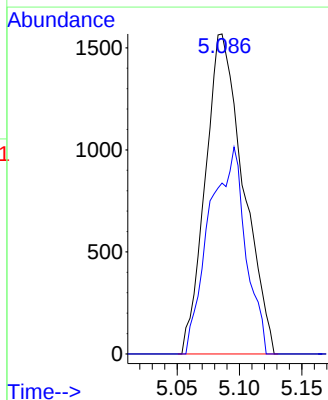
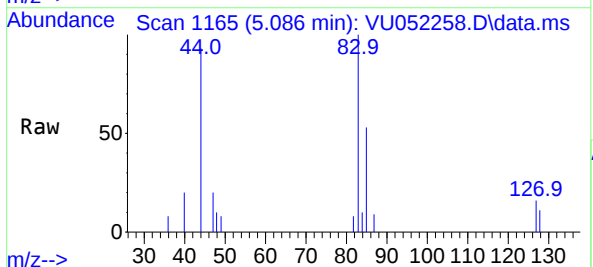
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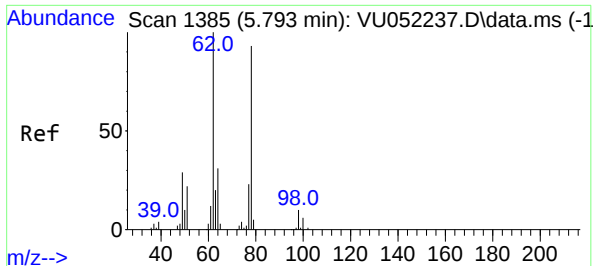
Tgt Ion:	128	Resp:	80
Ion	Ratio	Lower	Upper
128	100		
49	0.0	104.0	193.2#
130	0.0	84.6	157.2#
51	0.0	38.1	57.1#



#25
Chloroform
Concen: 30.797 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion:	83	Resp:	3324
Ion	Ratio	Lower	Upper
83	100		
85	53.4	43.8	81.4

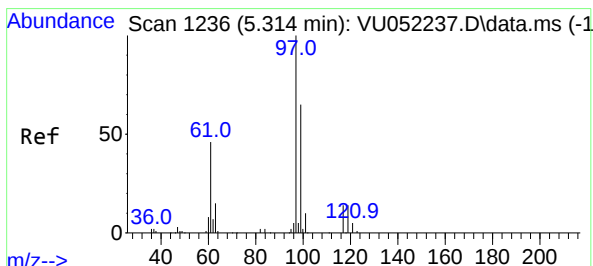
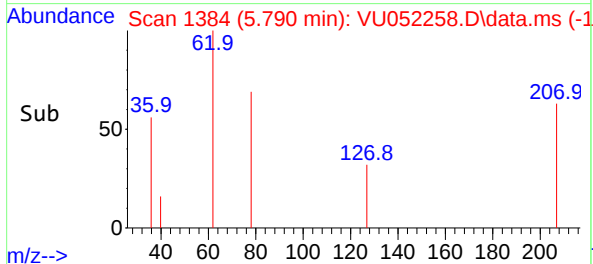
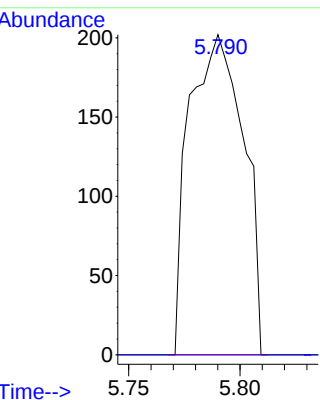
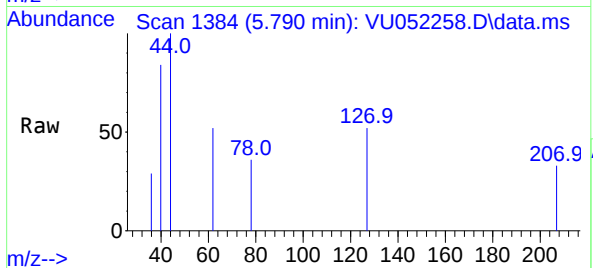




#27
1,2-Dichloroethane
Concen: 5.174 ug/L
RT: 5.790 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

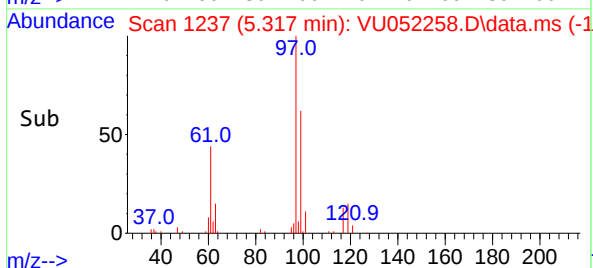
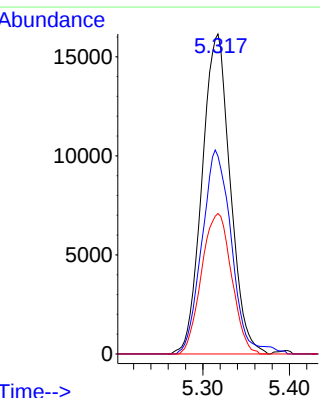
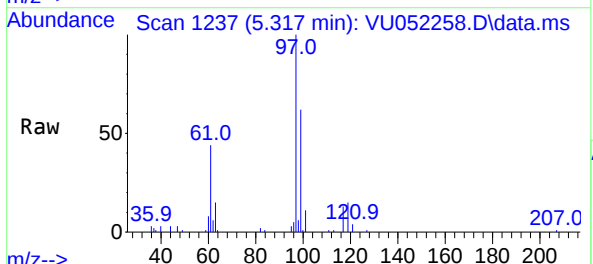
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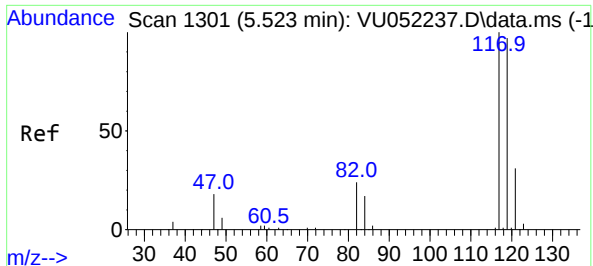
Tgt Ion: 62 Resp: 342
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#



#29
1,1,1-Trichloroethane
Concen: 468.612 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 97 Resp: 36446
Ion Ratio Lower Upper
97 100
99 67.1 51.0 76.6
61 46.8 36.9 55.3

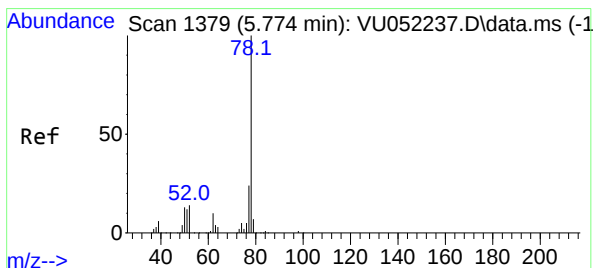
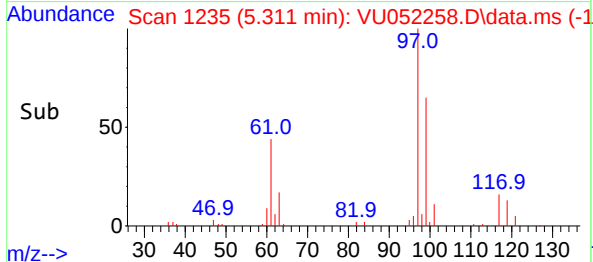
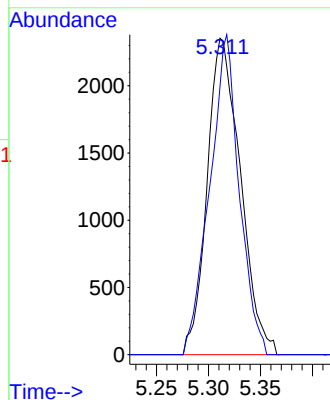
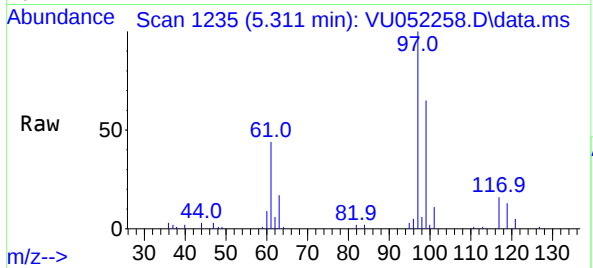




#31
Carbon tetrachloride
Concen: 79.308 ug/L
RT: 5.311 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

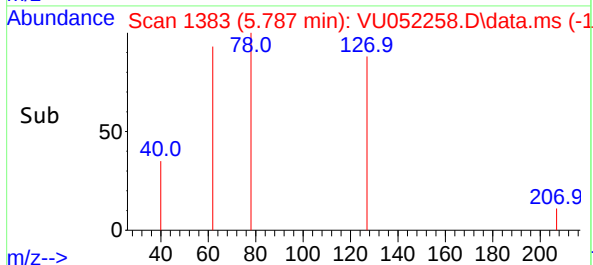
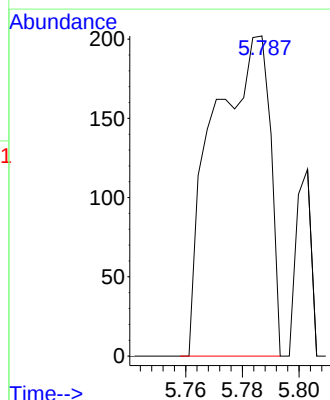
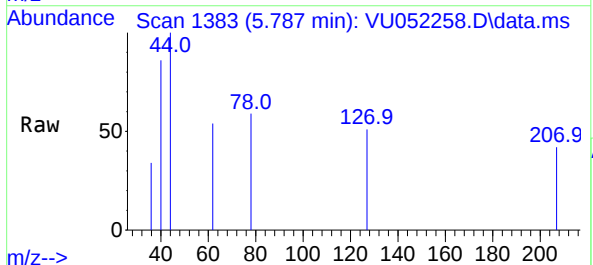
Instrument :
MSVOA_U
ClientSampleId :
EXZ88

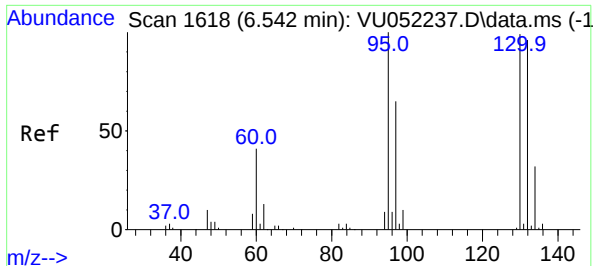
Tgt Ion:117 Resp: 5241
Ion Ratio Lower Upper
117 100
119 89.7 77.2 115.8



#33
Benzene
Concen: 1.219 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.013 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 78 Resp: 278



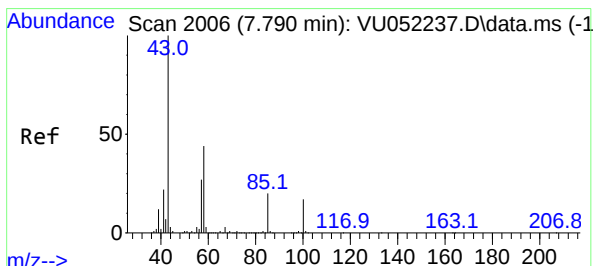
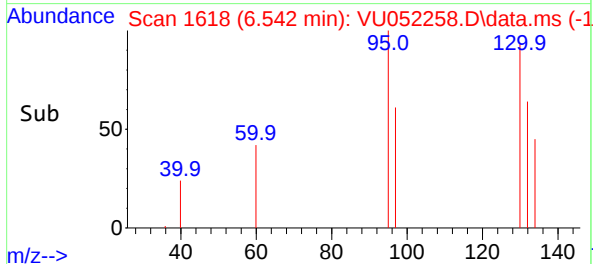
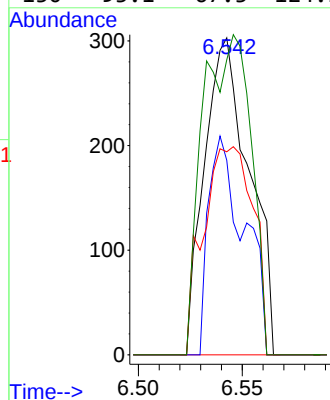
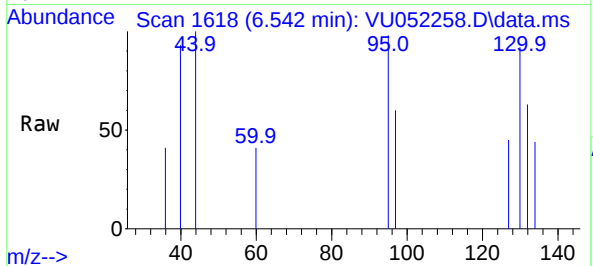


#34
Trichloroethene
Concen: 8.014 ug/L
RT: 6.542 min Scan# 10
Delta R.T. 0.000 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Instrument :
MSVOA_U
ClientSampleId :
EXZ88

Tgt Ion: 95 Resp: 456

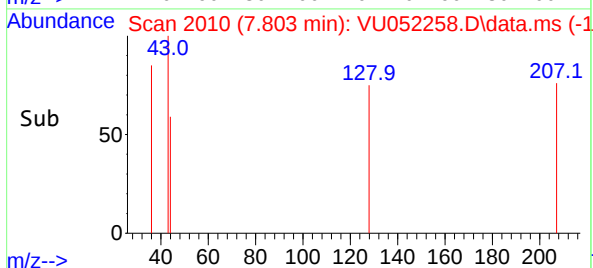
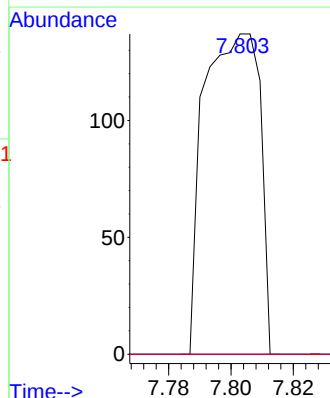
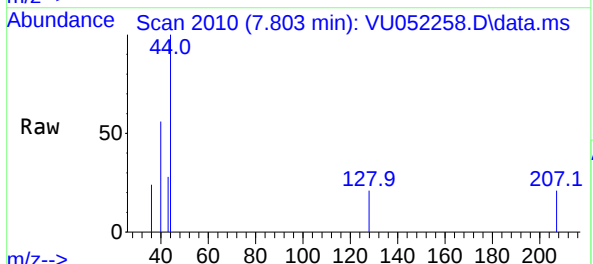
Ion	Ratio	Lower	Upper
95	100		
97	61.4	43.7	81.1
132	64.0	64.3	119.3#
130	93.1	67.3	124.9

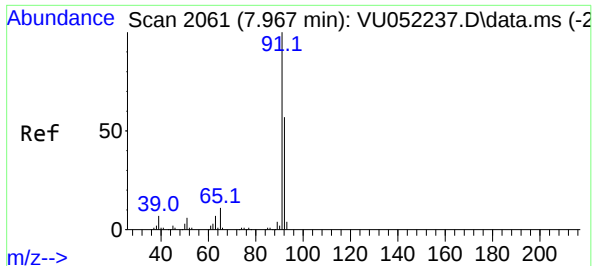


#40
4-Methyl-2-pentanone
Concen: 5.510 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.013 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 43 Resp: 170

Ion	Ratio	Lower	Upper
43	100		
58	0.0	35.3	52.9#
100	330.0	13.6	20.4#

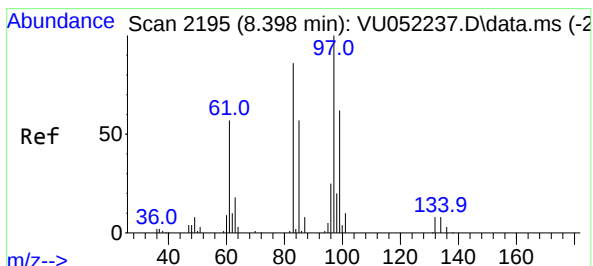
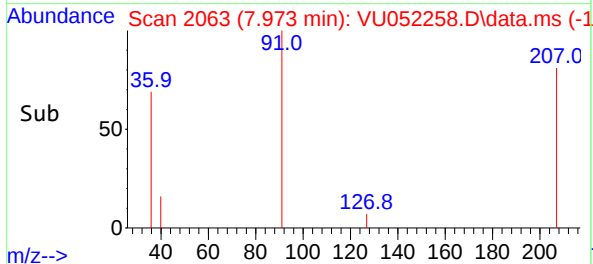
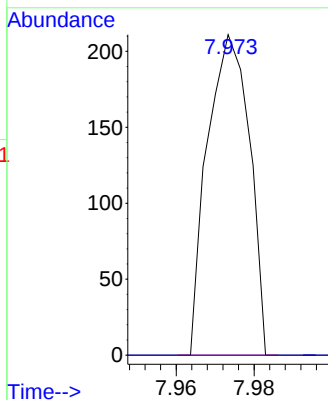
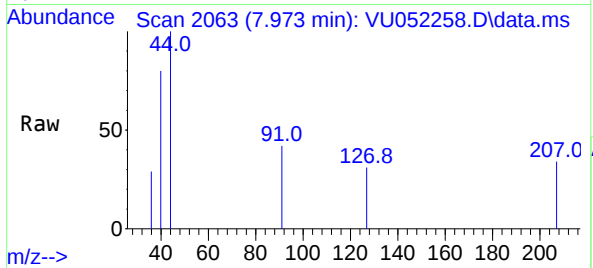




#42
Toluene
Concen: 0.673 ug/L
RT: 7.973 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

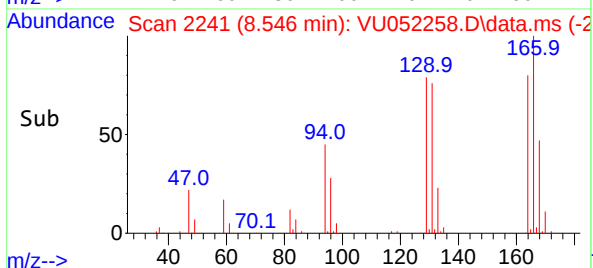
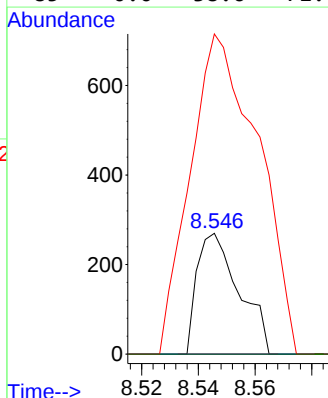
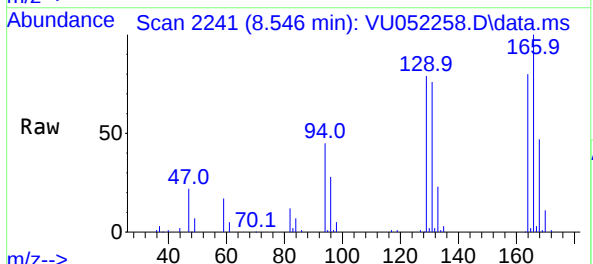
Instrument :
MSVOA_U
ClientSampleId :
EXZ88

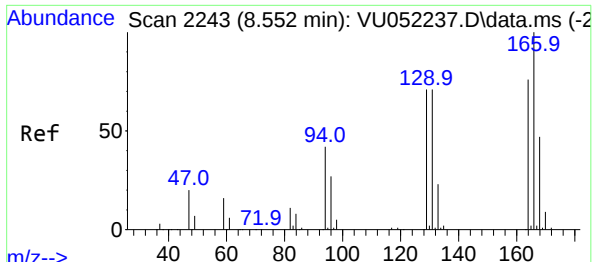
Tgt Ion: 91 Resp: 158
Ion Ratio Lower Upper
91 100
92 0.0 40.7 75.5#



#45
1,1,2-Trichloroethane
Concen: 6.263 ug/L
RT: 8.546 min Scan# 2241
Delta R.T. 0.148 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 97 Resp: 278
Ion Ratio Lower Upper
97 100
99 0.0 42.6 79.2#
83 264.8 60.7 112.7#
85 0.0 38.6 71.6#

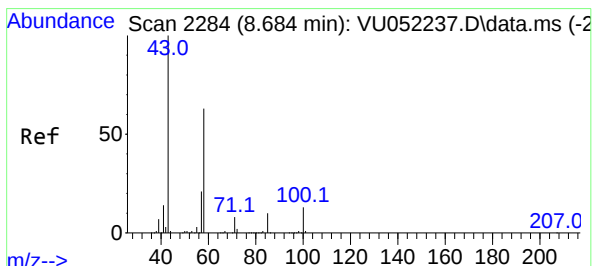
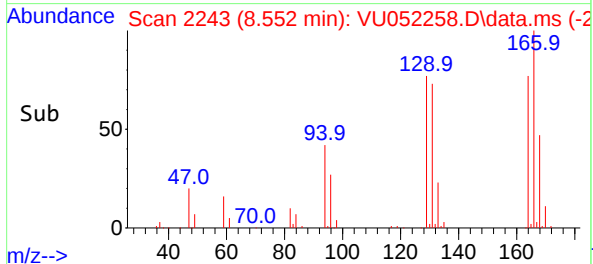
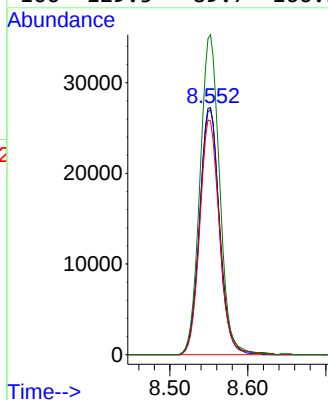
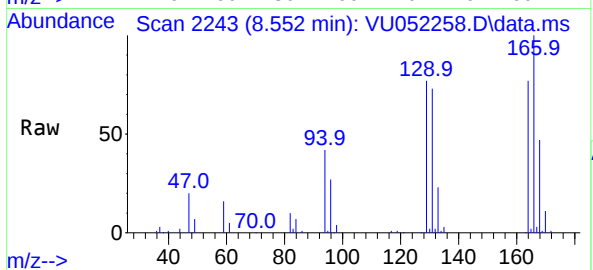




#47
Tetrachloroethene
Concen: 1114.956 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

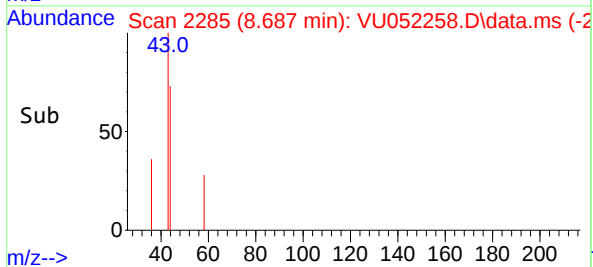
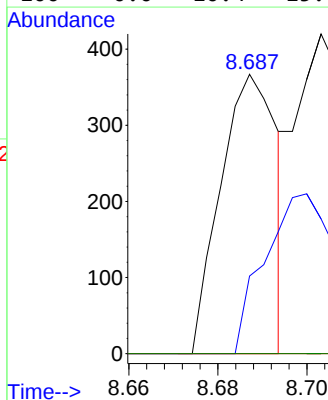
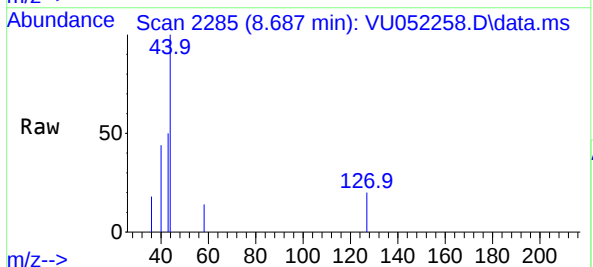
Instrument :
MSVOA_U
ClientSampleId :
EXZ88

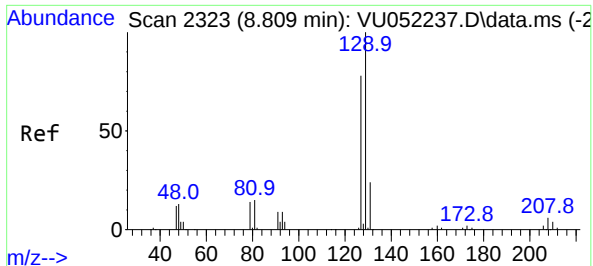
Tgt Ion:164 Resp: 48623
Ion Ratio Lower Upper
164 100
129 99.2 67.4 125.2
131 94.6 67.1 124.7
166 129.5 89.7 166.5



#48
2-Hexanone
Concen: 14.235 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. 0.003 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
58 0.0 49.4 74.0#
57 0.0 16.3 24.5#
100 0.0 10.4 15.6#

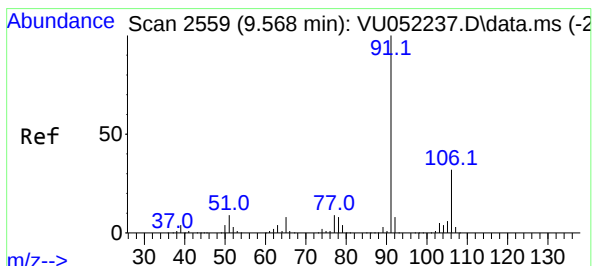
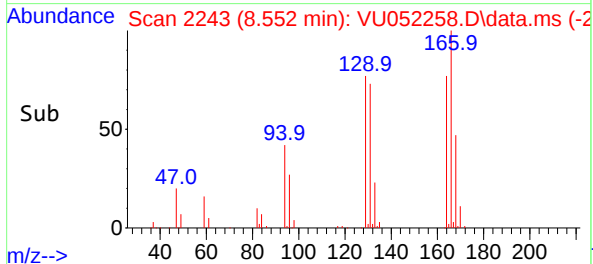
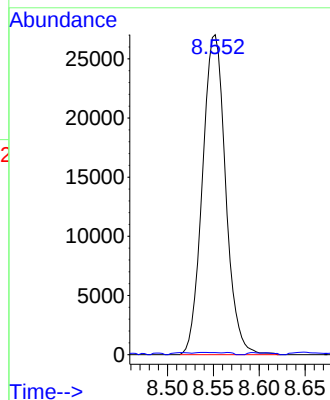
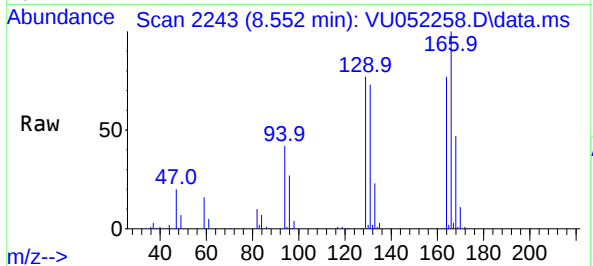




#49
Dibromochloromethane
Concen: 956.582 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

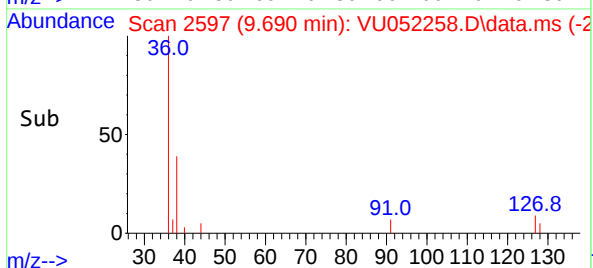
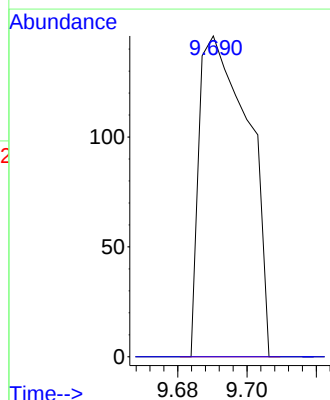
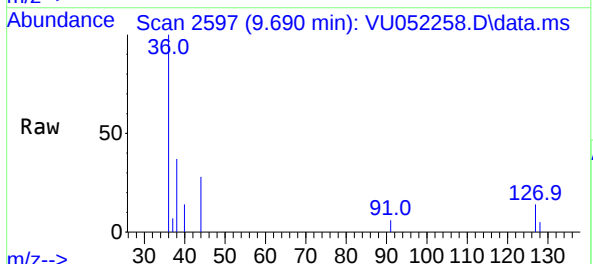
Instrument :
MSVOA_U
ClientSampleId :
EXZ88

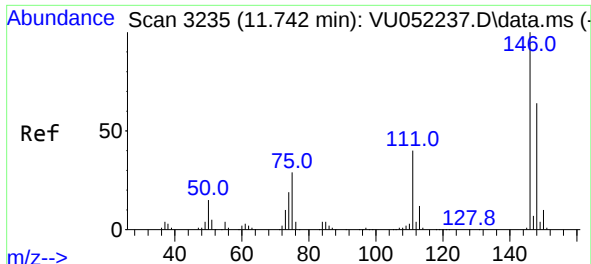
Tgt Ion:129 Resp: 47556
Ion Ratio Lower Upper
129 100
127 0.6 52.8 98.2#



#52
Ethylbenzene
Concen: 0.627 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.122 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion: 91 Resp: 143
Ion Ratio Lower Upper
91 100
106 0.0 22.3 41.3#

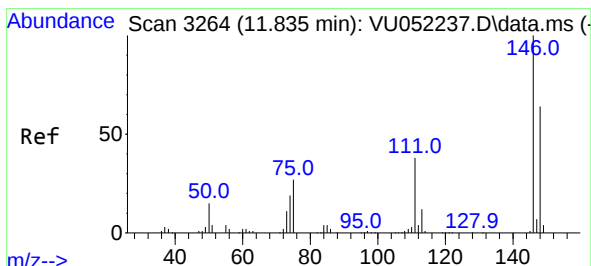
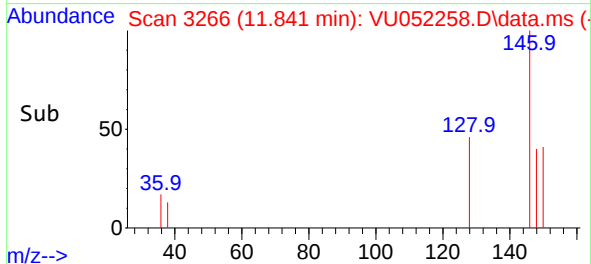
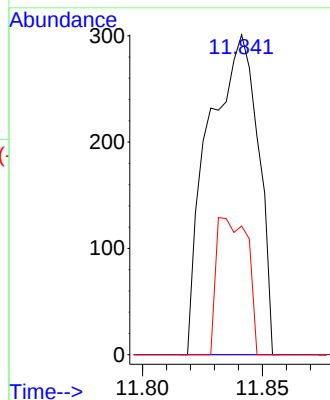
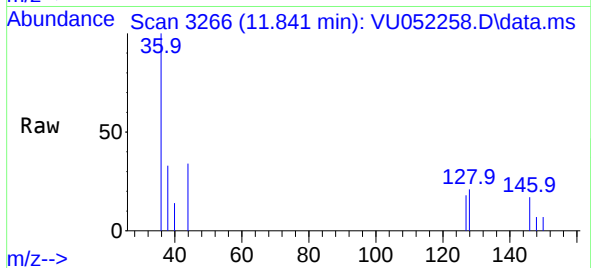




#64
1,3-Dichlorobenzene
Concen: 1.373 ug/L
RT: 11.841 min Scan# 31
Delta R.T. 0.100 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

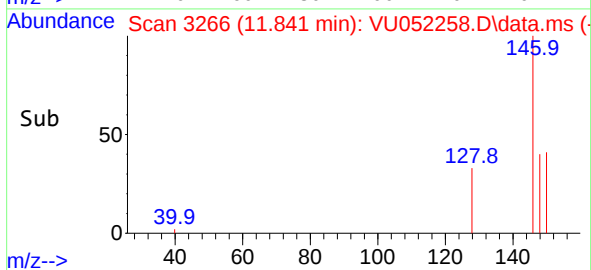
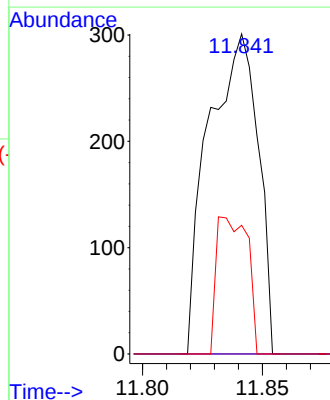
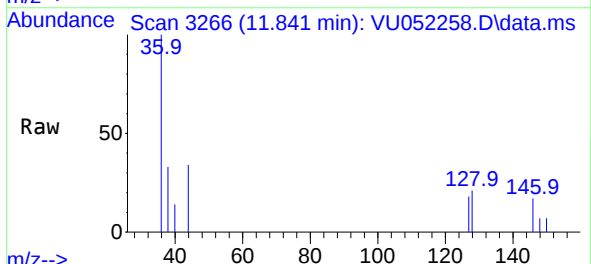
Instrument :
MSVOA_U
ClientSampleId :
EXZ88

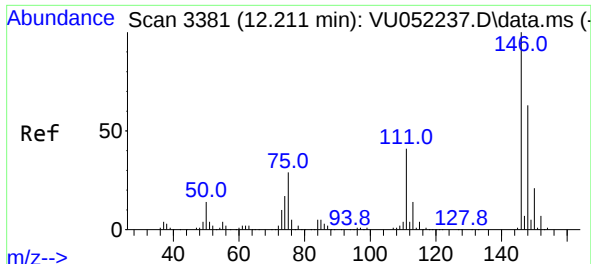
Tgt Ion:146 Resp: 432
Ion Ratio Lower Upper
146 100
111 0.0 28.6 53.2#
148 40.2 45.4 84.2#



#65
1,4-Dichlorobenzene
Concen: 1.377 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.010 min
Lab File: VU052258.D
Acq: 08 Dec 2022 18:58

Tgt Ion:146 Resp: 432
Ion Ratio Lower Upper
146 100
111 0.0 26.9 50.1#
148 40.2 45.1 83.7#





#67

1,2-Dichlorobenzene

Concen: 4.234 ug/L

RT: 12.214 min Scan# 3381

Delta R.T. 0.006 min

Lab File: VU052258.D

Acq: 08 Dec 2022 18:58

Instrument :

MSVOA_U

ClientSampleId :

EXZ88

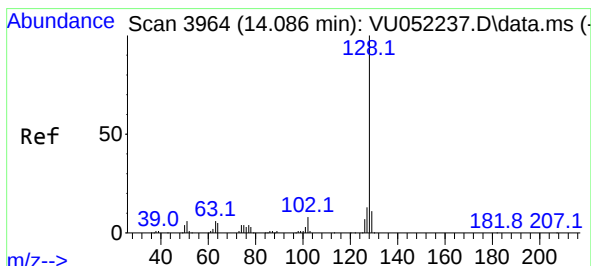
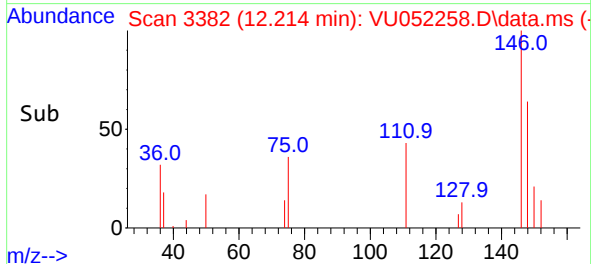
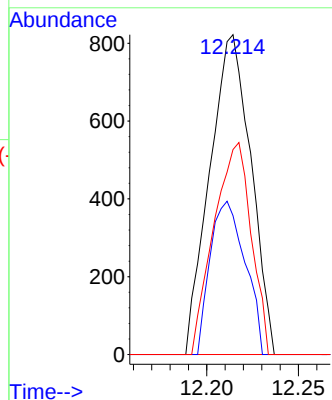
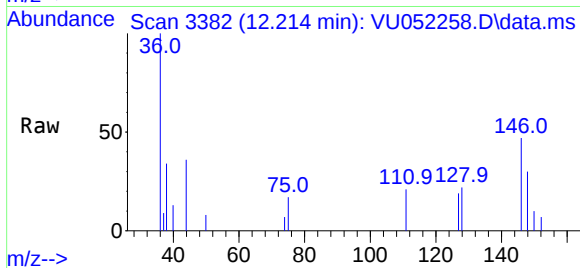
Tgt Ion:146 Resp: 1283

Ion Ratio Lower Upper

146 100

111 43.4 32.7 49.1

148 64.1 50.6 75.8



#71

Naphthalene

Concen: 0.442 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU052258.D

Acq: 08 Dec 2022 18:58

Tgt Ion:128 Resp: 141

Ion Ratio Lower Upper

128 100

129 0.0 8.3 12.5#

127 89.4 10.2 15.4#

