

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050148.D
 Acq On : 08 Aug 2022 20:34
 Operator : SY/MD
 Sample : N4070-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJL4

Quant Time: Aug 09 02:00:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 09 00:39:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	84134	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	84540	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	31447	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	21690	3.098	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.909	69	21090	3.733	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.565	65	8972	3.279	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.600%
20) 2-Butanone-d5	4.623	46	88835	52.029	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.060%
24) Chloroform-d	5.063	84	55039	4.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.703	65	29906	4.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.729	84	101337	3.841	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.800%
36) 1,2-Dichloropropane-d6	6.694	67	37300	4.293	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.899	98	79220	3.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.000%#
43) trans-1,3-Dichloroprop...	8.182	79	11623	3.733	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.636	63	52759	47.789	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.580%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34563	4.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	28113	4.563	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.134	101	478	0.048	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	459	0.083	ug/L #	38
22) cis-1,2-Dichloroethene	4.668	96	424	0.059	ug/L	83
25) Chloroform	5.092	83	2549	0.194	ug/L	91
34) Trichloroethene	6.546	95	6629	0.925	ug/L	92
38) Bromodichloromethane	7.105	83	501	0.052	ug/L #	92
55) Styrene	10.118	104	989	0.056	ug/L	95
60) Isopropylbenzene	10.488	105	1627	0.077	ug/L	93
62) 1,3,5-Trimethylbenzene	11.089	105	526	0.089	ug/L #	65
63) 1,2,4-Trimethylbenzene	11.472	105	1719	0.106	ug/L	89
64) 1,3-Dichlorobenzene	11.748	146	1282	0.121	ug/L	89
65) 1,4-Dichlorobenzene	11.838	146	1610	0.156	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	1483	0.145	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.227	180	1577	0.209	ug/L #	96
70) 1,2,4-trichlorobenzene	13.844	180	2065	0.361	ug/L #	97
71) Naphthalene	14.092	128	5997	0.512	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.336	180	2331	0.402	ug/L	97

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QLast Update : Tue Aug 09 00:39:33 2022
Response via : Initial Calibration

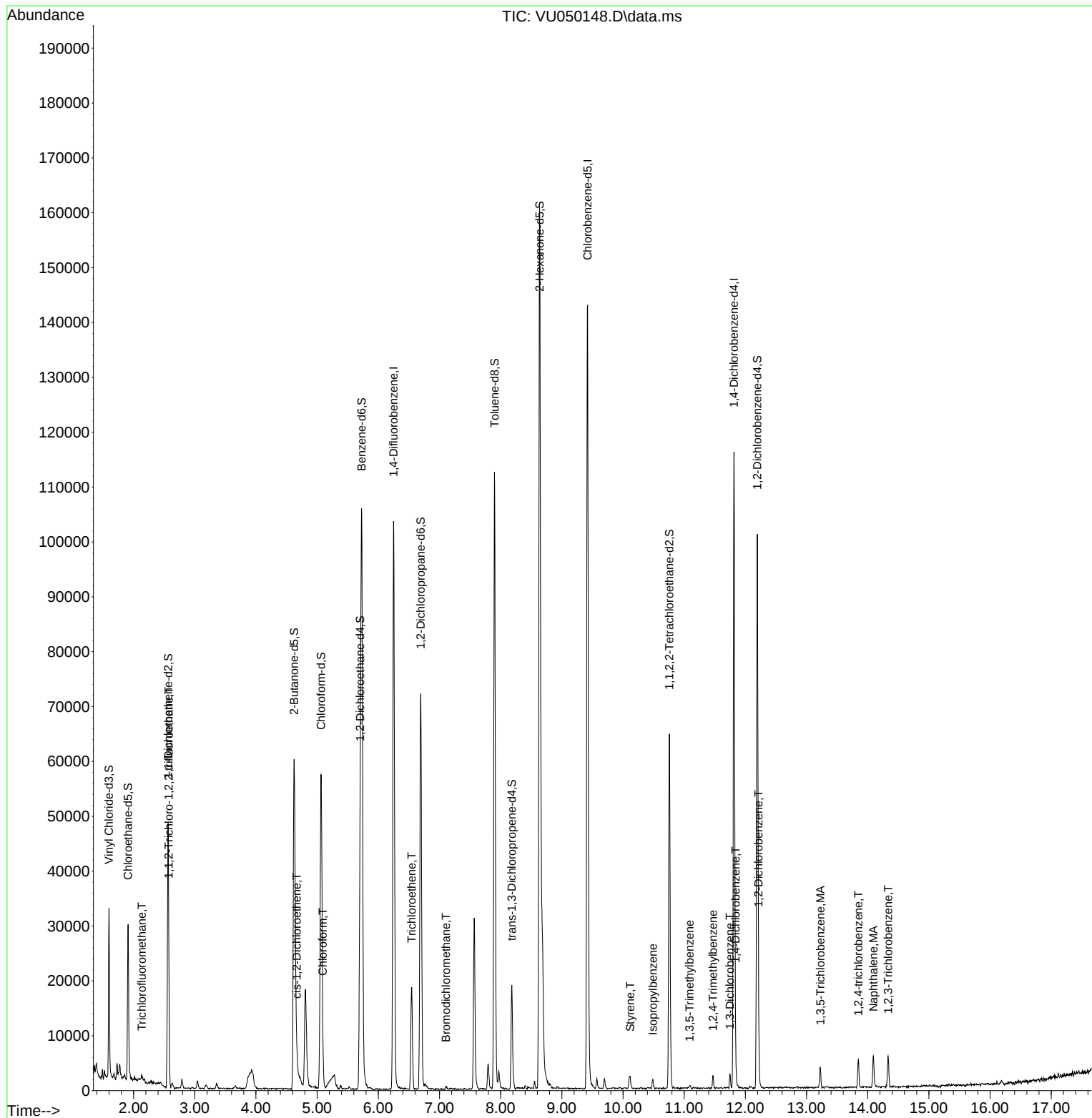
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

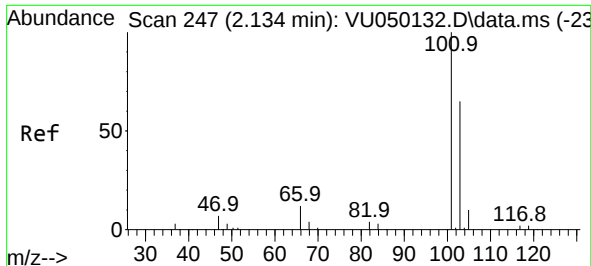
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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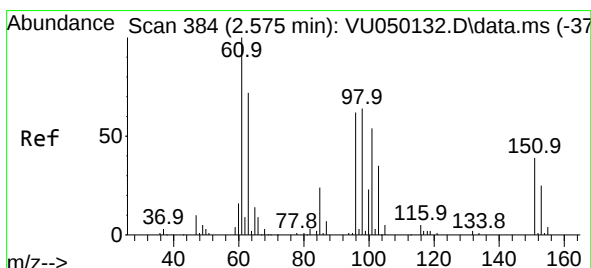
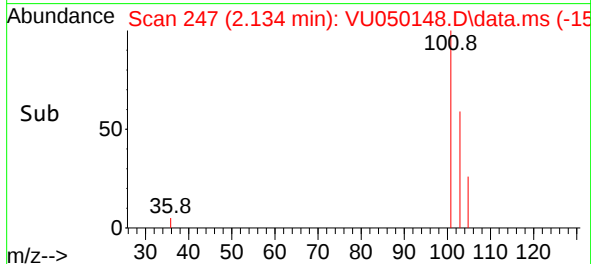
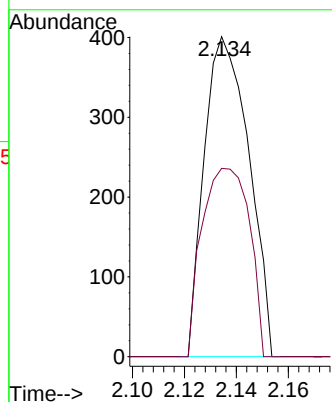
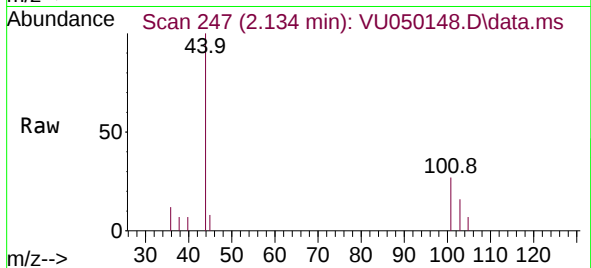




#9
 Trichlorofluoromethane
 Concen: 0.048 ug/L
 RT: 2.134 min Scan# 247
 Delta R.T. 0.000 min
 Lab File: VU050148.D
 Acq: 08 Aug 2022 20:34

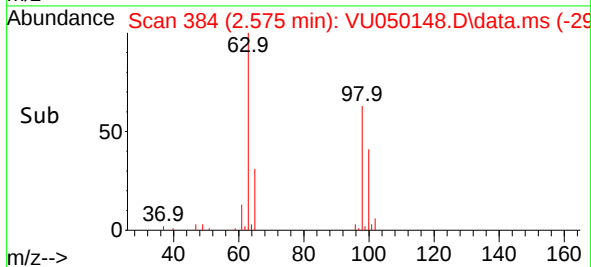
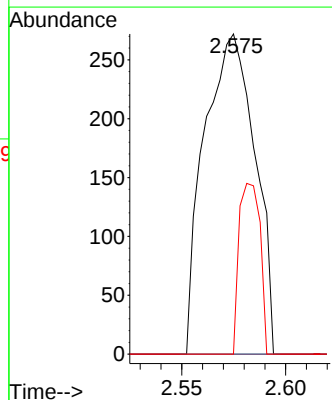
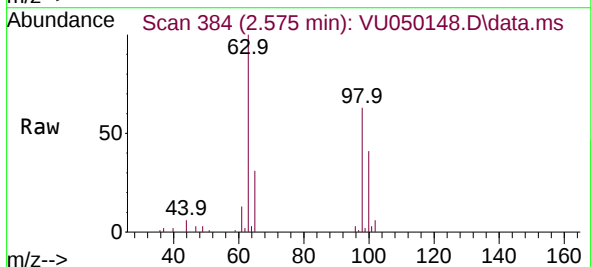
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJL4

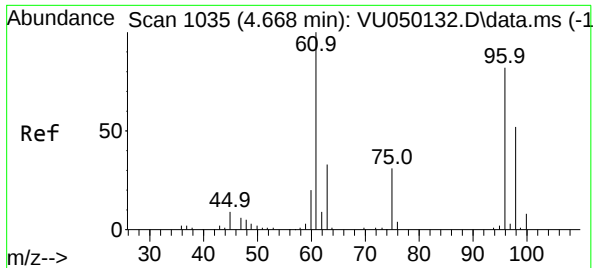
Tgt Ion:101 Resp: 478
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.6 78.8



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.083 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050148.D
 Acq: 08 Aug 2022 20:34

Tgt Ion:101 Resp: 459
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 22.0 55.2 82.8#

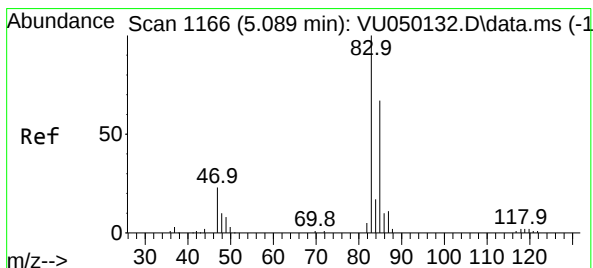
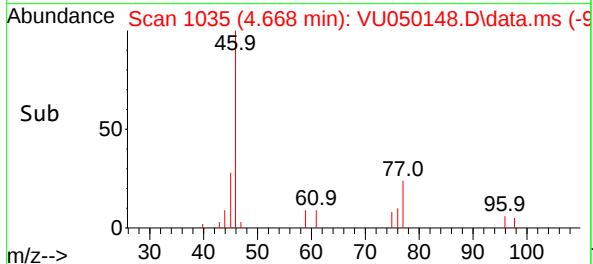
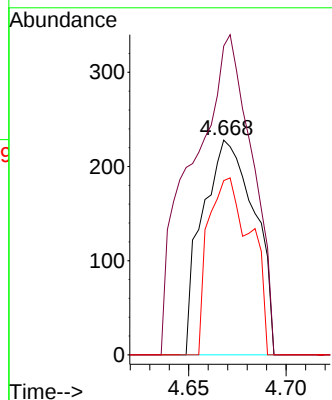
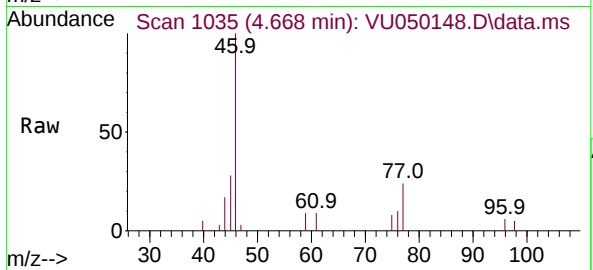




#22
 cis-1,2-Dichloroethene
 Concen: 0.059 ug/L
 RT: 4.668 min Scan# 1167
 Delta R.T. 0.000 min
 Lab File: VU050148.D
 Acq: 08 Aug 2022 20:34

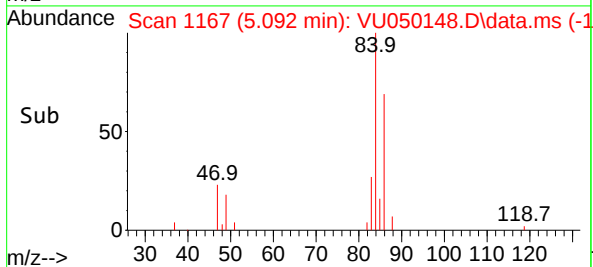
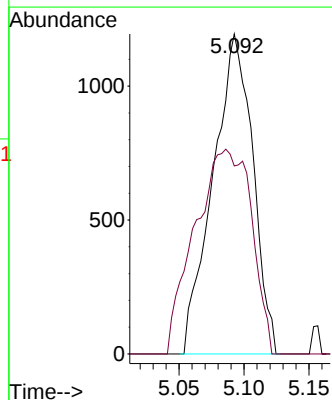
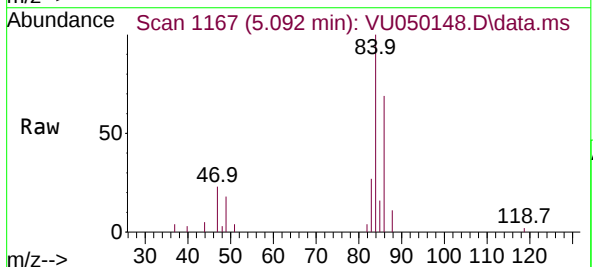
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJL4

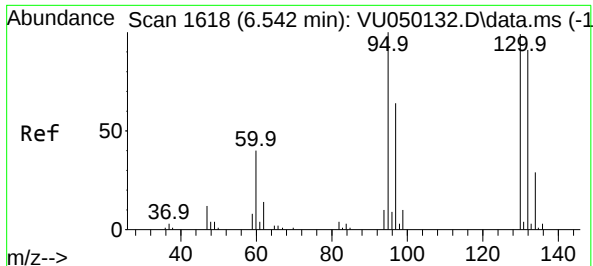
Tgt Ion: 96 Resp: 424
 Ion Ratio Lower Upper
 96 100
 61 143.9 89.0 165.4
 98 81.1 45.2 84.0



#25
 Chloroform
 Concen: 0.194 ug/L
 RT: 5.092 min Scan# 1167
 Delta R.T. 0.003 min
 Lab File: VU050148.D
 Acq: 08 Aug 2022 20:34

Tgt Ion: 83 Resp: 2549
 Ion Ratio Lower Upper
 83 100
 85 58.7 46.1 85.5

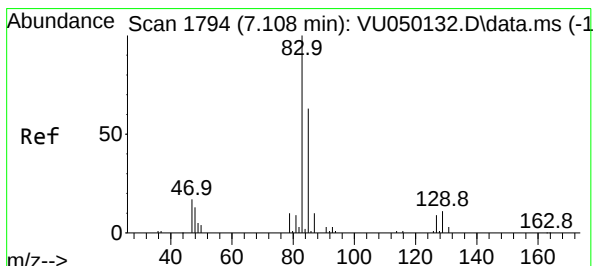
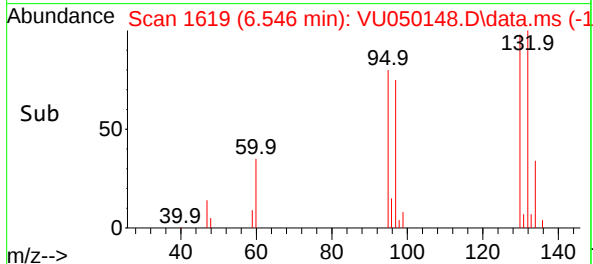
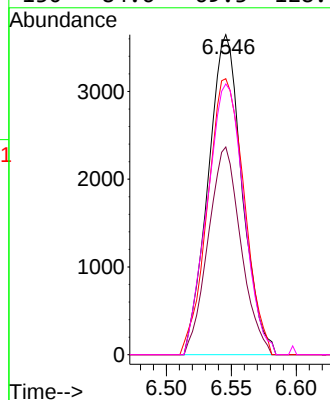
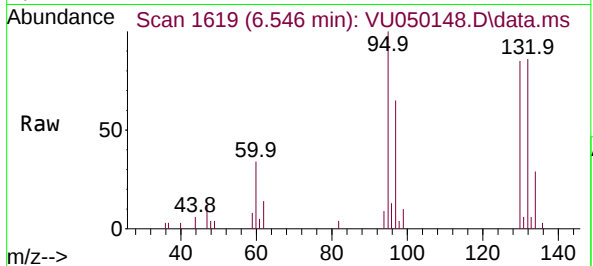




#34
Trichloroethene
Concen: 0.925 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU050148.D
Acq: 08 Aug 2022 20:34

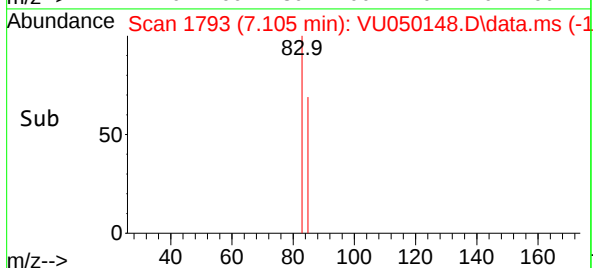
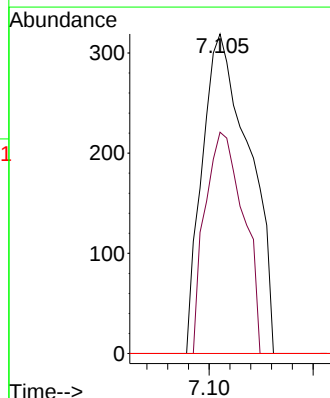
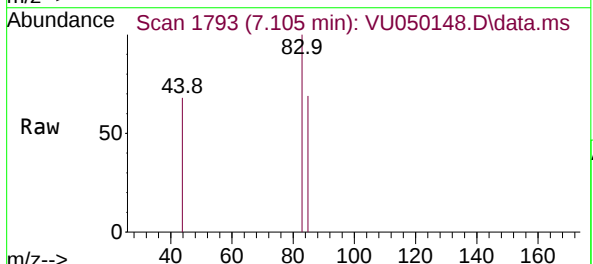
Instrument :
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ClientSampleId :
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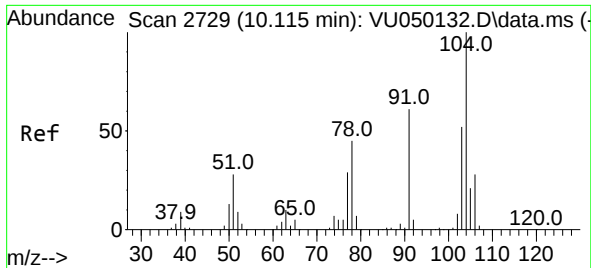
Tgt Ion: 95 Resp: 6629
Ion Ratio Lower Upper
95 100
97 64.9 45.6 84.8
132 86.2 65.0 120.6
130 84.6 69.3 128.7



#38
Bromodichloromethane
Concen: 0.052 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU050148.D
Acq: 08 Aug 2022 20:34

Tgt Ion: 83 Resp: 501
Ion Ratio Lower Upper
83 100
85 69.3 45.1 83.7
127 0.0 6.8 10.2#

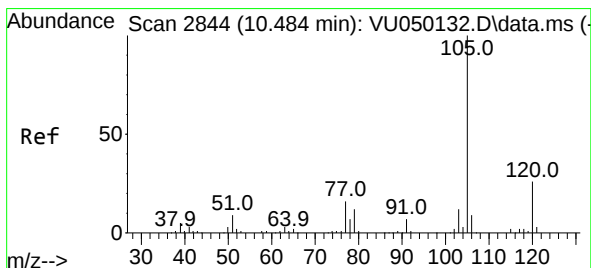
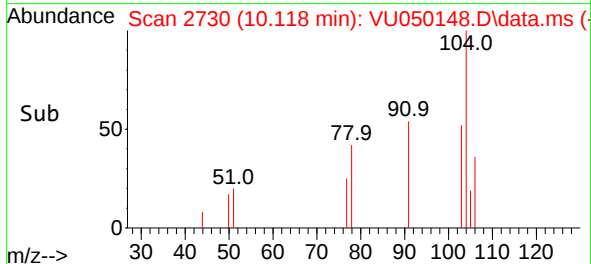
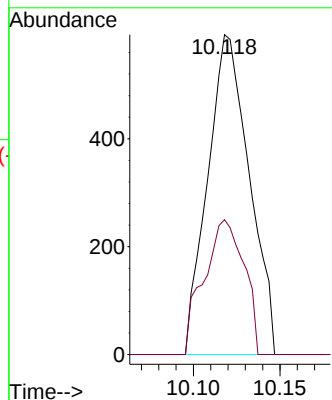
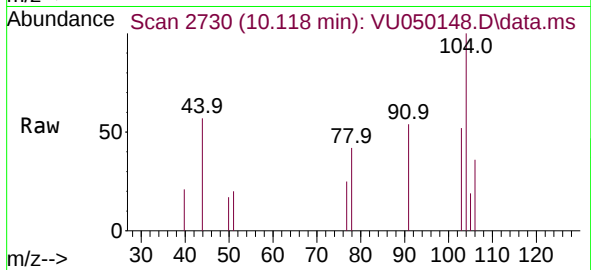




#55
Styrene
Concen: 0.056 ug/L
RT: 10.118 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050148.D
Acq: 08 Aug 2022 20:34

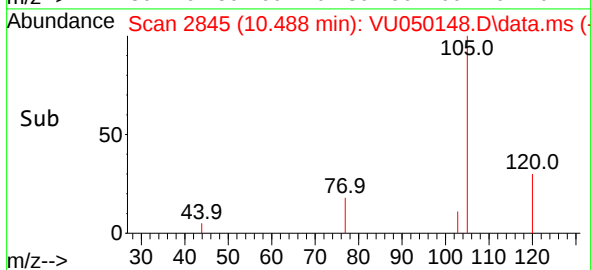
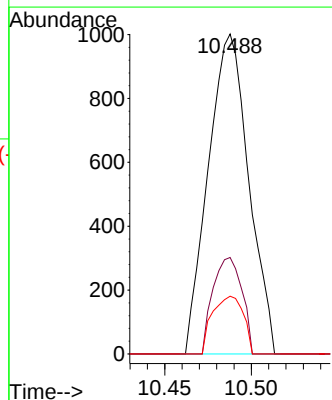
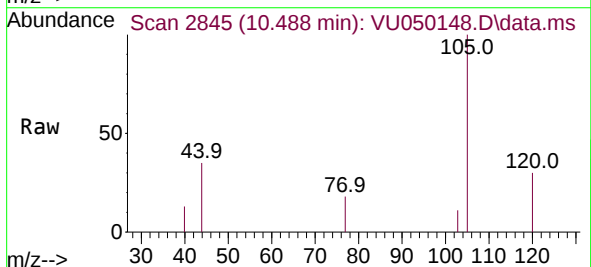
Instrument :
MSVOA_U
ClientSampleId :
GBJL4

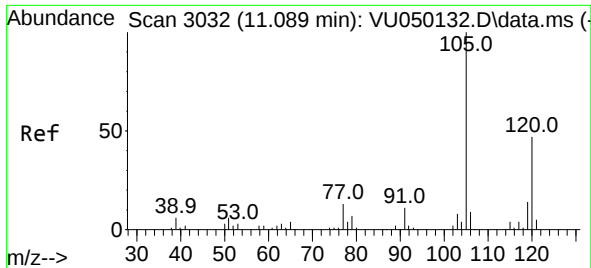
Tgt Ion:104 Resp: 989
Ion Ratio Lower Upper
104 100
78 42.2 31.9 59.3



#60
Isopropylbenzene
Concen: 0.077 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU050148.D
Acq: 08 Aug 2022 20:34

Tgt Ion:105 Resp: 1627
Ion Ratio Lower Upper
105 100
120 21.6 20.8 31.2
77 13.8 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 0.089 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050148.D

Acq: 08 Aug 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

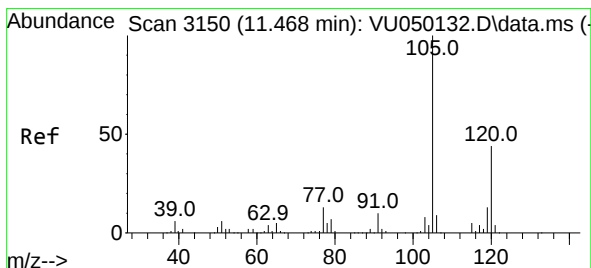
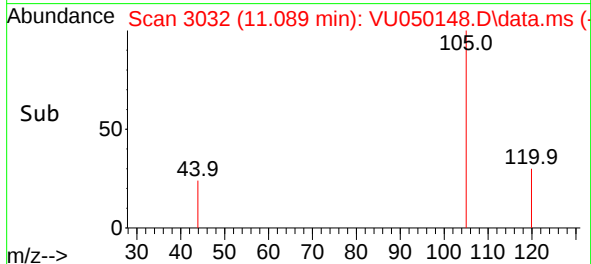
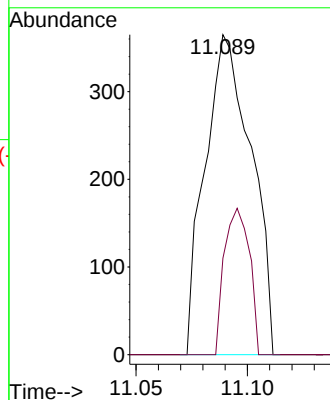
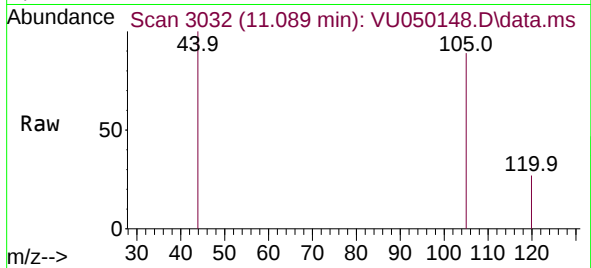
GBJL4

Tgt Ion:105 Resp: 526

Ion Ratio Lower Upper

105 100

120 24.7 38.9 58.3#



#63

1,2,4-Trimethylbenzene

Concen: 0.106 ug/L

RT: 11.472 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU050148.D

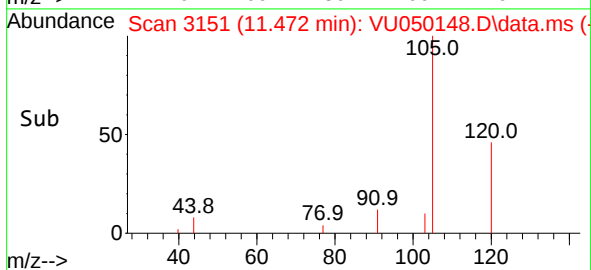
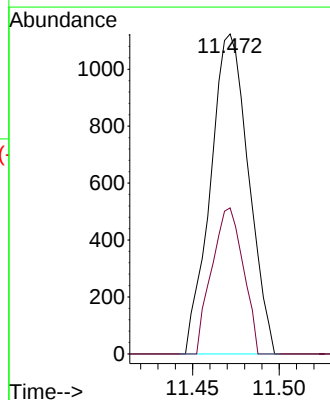
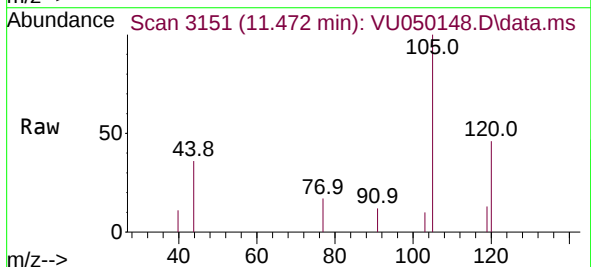
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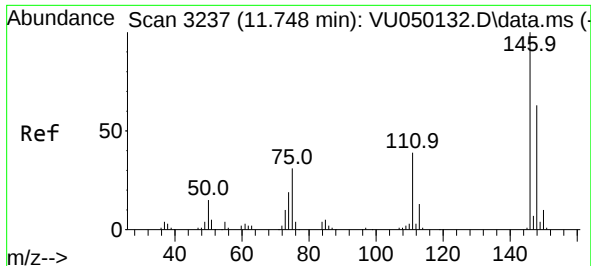
Tgt Ion:105 Resp: 1719

Ion Ratio Lower Upper

105 100

120 37.5 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 0.121 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

Lab File: VU050148.D

Acq: 08 Aug 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

GBJL4

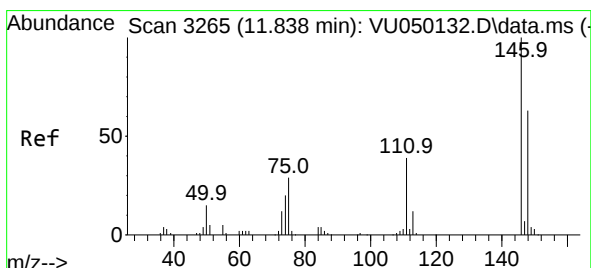
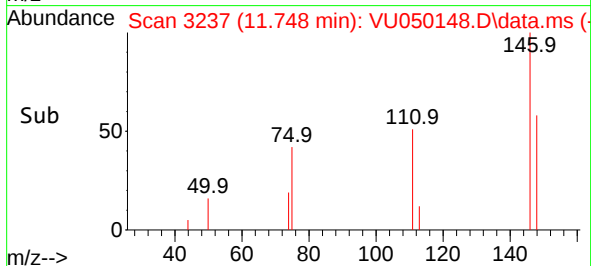
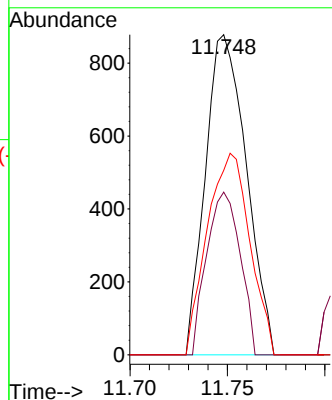
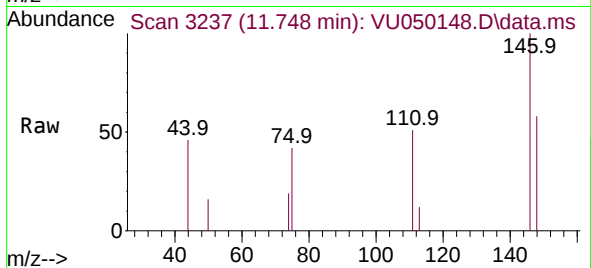
Tgt Ion:146 Resp: 1282

Ion Ratio Lower Upper

146 100

111 50.8 29.9 55.5

148 57.6 45.8 85.2



#65

1,4-Dichlorobenzene

Concen: 0.156 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU050148.D

Acq: 08 Aug 2022 20:34

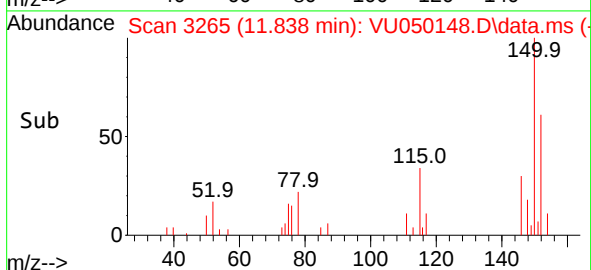
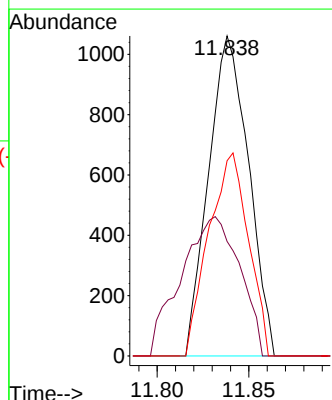
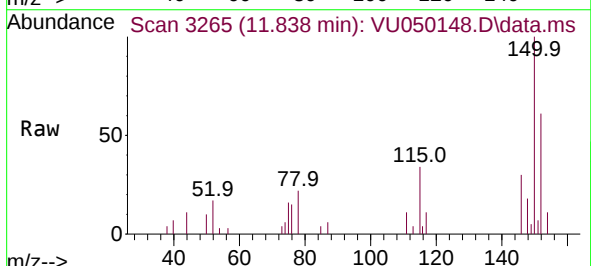
Tgt Ion:146 Resp: 1610

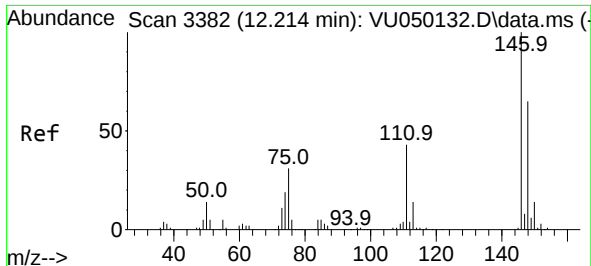
Ion Ratio Lower Upper

146 100

111 35.8 28.1 52.1

148 61.0 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 0.145 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050148.D

Acq: 08 Aug 2022 20:34

Instrument :

MSVOA_U

ClientSampleId :

GBJL4

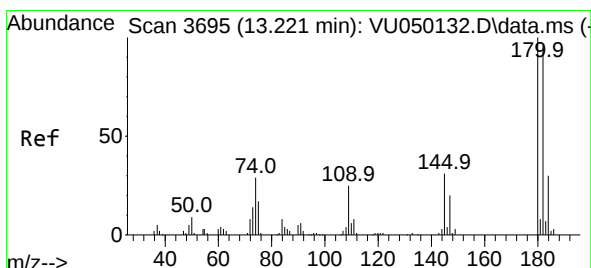
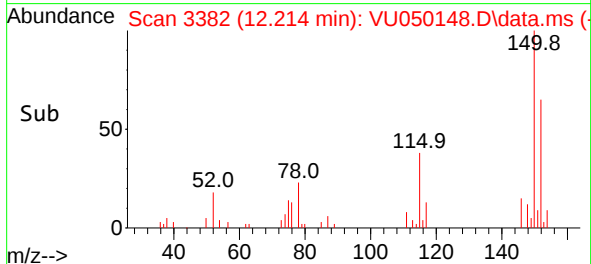
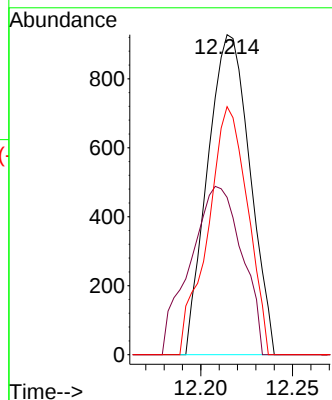
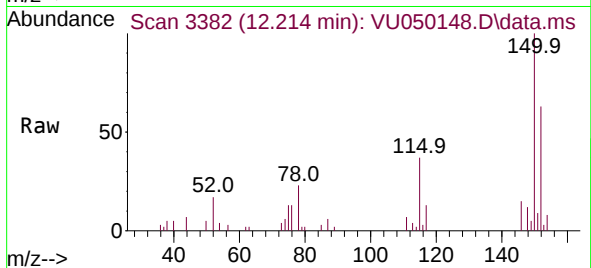
Tgt Ion:146 Resp: 1483

Ion Ratio Lower Upper

146 100

111 49.1 32.9 49.3

148 77.5 50.4 75.6#



#69

1,3,5-Trichlorobenzene

Concen: 0.209 ug/L

RT: 13.227 min Scan# 3697

Delta R.T. 0.006 min

Lab File: VU050148.D

Acq: 08 Aug 2022 20:34

Tgt Ion:180 Resp: 1577

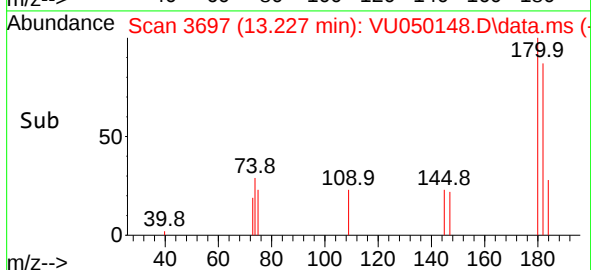
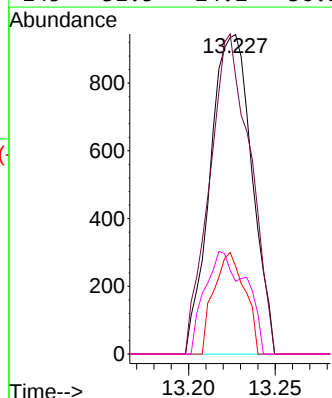
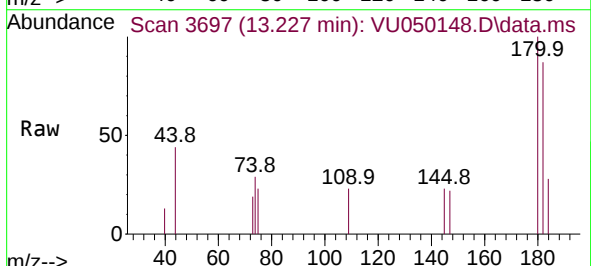
Ion Ratio Lower Upper

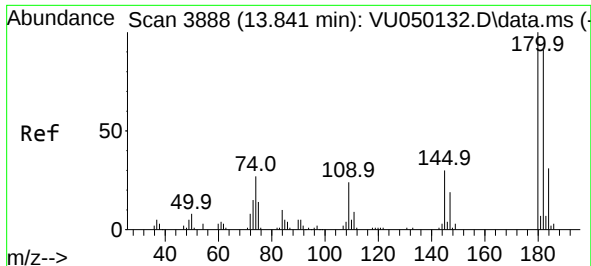
180 100

182 97.8 77.3 115.9

184 23.6 24.1 36.1#

145 31.5 24.2 36.2

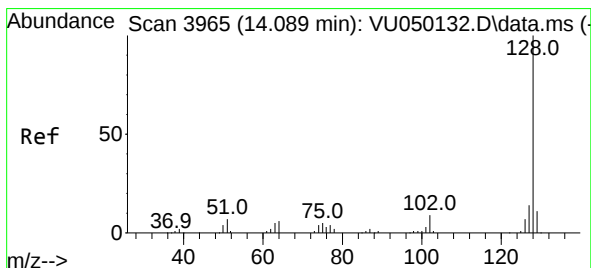
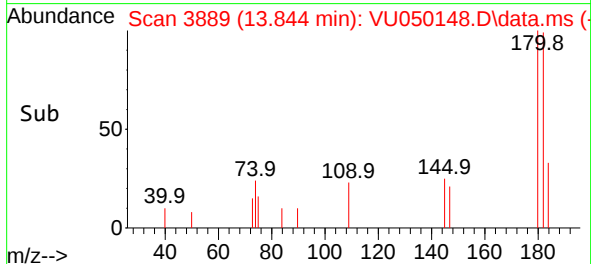
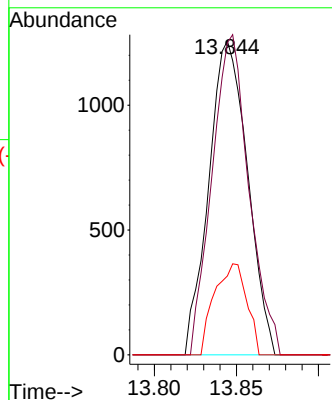
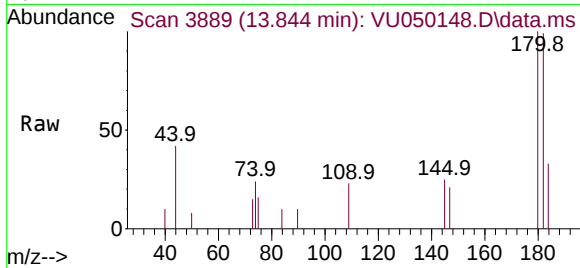




#70
1,2,4-trichlorobenzene
Concen: 0.361 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU050148.D
Acq: 08 Aug 2022 20:34

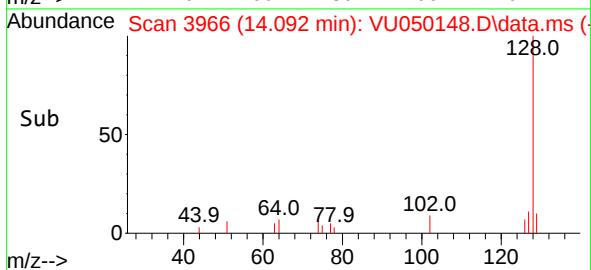
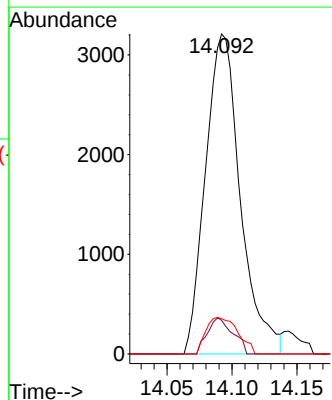
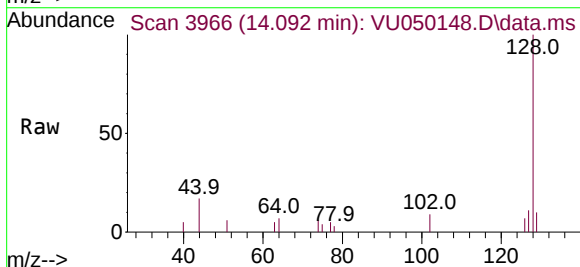
Instrument :
MSVOA_U
ClientSampleId :
GBJL4

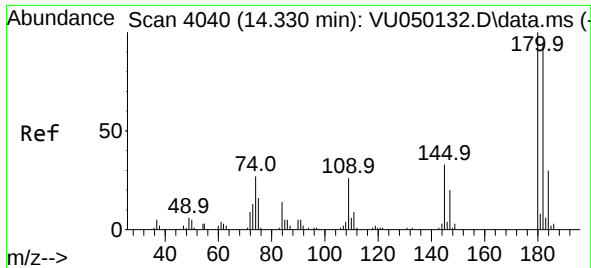
Tgt Ion:180 Resp: 2065
Ion Ratio Lower Upper
180 100
182 96.9 76.9 115.3
145 24.0 24.2 36.4#



#71
Naphthalene
Concen: 0.512 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU050148.D
Acq: 08 Aug 2022 20:34

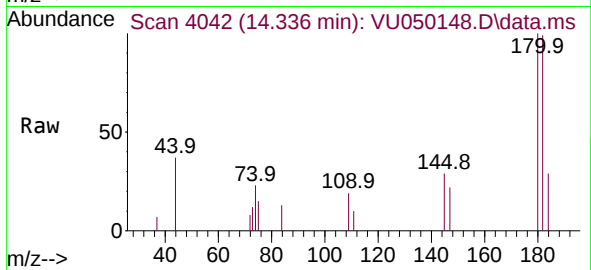
Tgt Ion:128 Resp: 5997
Ion Ratio Lower Upper
128 100
129 8.2 8.6 12.8#
127 10.4 10.6 16.0#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.402 ug/L
 RT: 14.336 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VU050148.D
 Acq: 08 Aug 2022 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJL4



Tgt Ion:	180	Resp:	2331
Ion	Ratio	Lower	Upper
180	100		
182	98.8	77.5	116.3
145	28.1	25.8	38.6

