

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111422\
 Data File : VU051846.D
 Acq On : 14 Nov 2022 20:04
 Operator : JC/MD
 Sample : N5592-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 03:06:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 03:00:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	133509	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	134134	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	48113	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	44138	4.390	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.909	69	49864	4.755	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.565	65	17847	4.890	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.800%
20) 2-Butanone-d5	4.620	46	186568	51.233	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.460%
24) Chloroform-d	5.060	84	120126	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.700	65	67754	5.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.600%
32) Benzene-d6	5.726	84	209408	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.690	67	80765	5.457	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.200%
41) Toluene-d8	7.896	98	139095	4.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	8.179	79	18249	4.032	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.629	63	140628	51.618	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.240%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	78889	5.816	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	53795	6.092	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.800%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	2127	0.121	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	519	0.046	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	35922	3.095	ug/L #	80
16) Methylene chloride	3.044	84	8216	0.432	ug/L	95
19) 1,1-Dichloroethane	3.874	63	6234	0.271	ug/L	92
22) cis-1,2-Dichloroethene	4.668	96	20503	1.488	ug/L	98
25) Chloroform	5.089	83	10319	0.433	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	1662	0.091	ug/L	98
34) Trichloroethene	6.539	95	164428	12.872	ug/L	99
35) Methylcyclohexane	6.690	83	17992	1.019	ug/L #	20
47) Tetrachloroethene	8.552	164	362696	37.073	ug/L	95
49) Dibromochloromethane	8.552	129	348354	30.565	ug/L #	10
51) Chlorobenzene	9.443	112	8150	0.238	ug/L	90
61) 1,2,3-Trichloropropane	11.812	75	9427	1.515	ug/L #	61
64) 1,3-Dichlorobenzene	11.835	146	12446	0.712	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	12446	0.710	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	3677	0.216	ug/L #	85

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Quant Time: Nov 15 03:06:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 15 03:00:15 2022
Response via : Initial Calibration

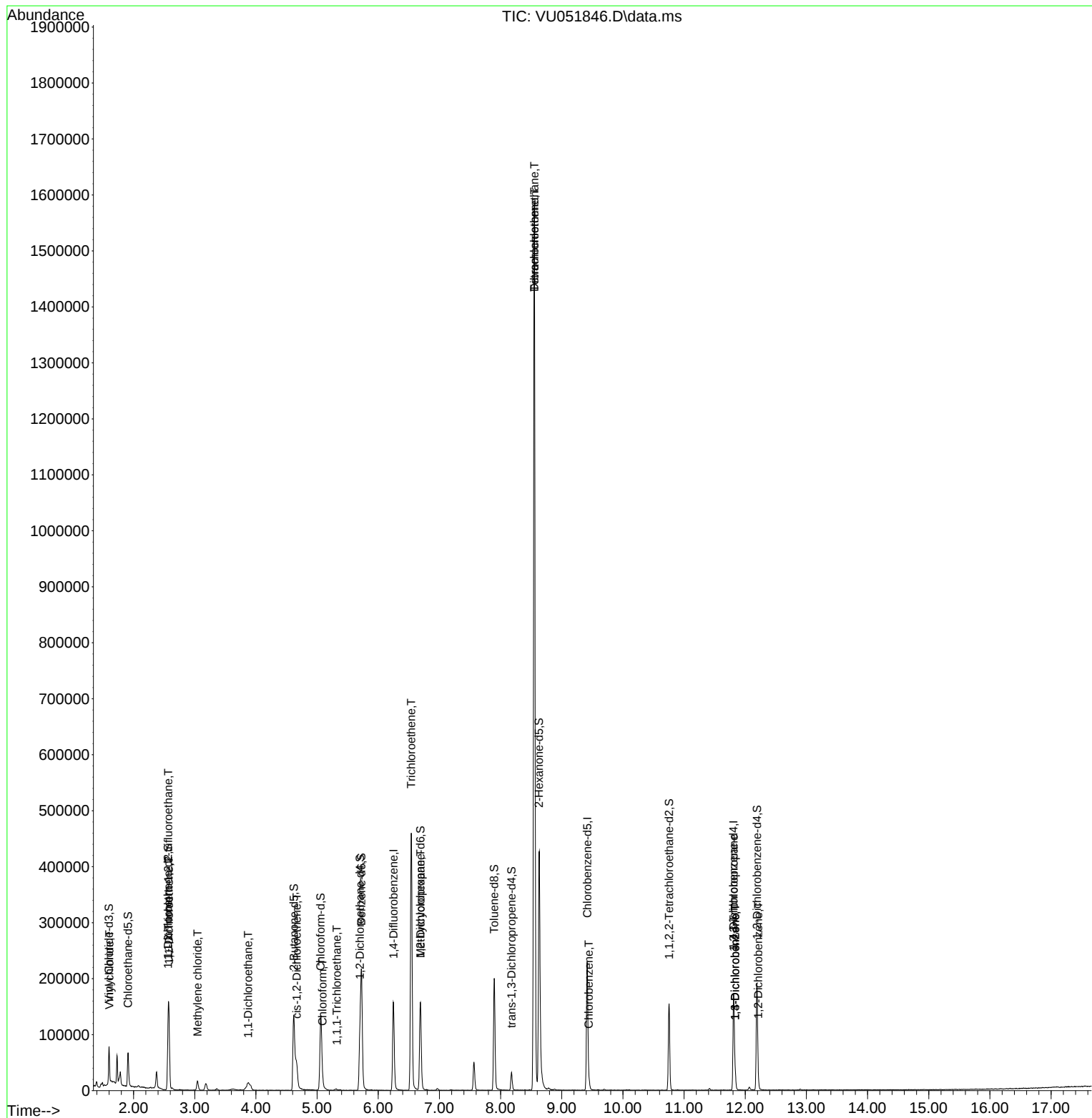
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

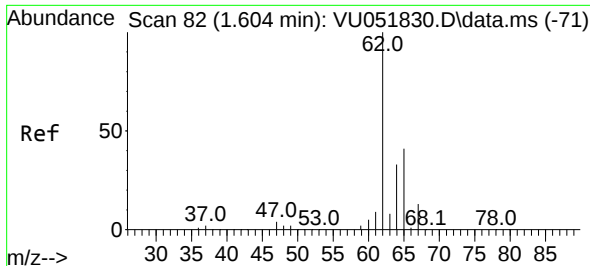
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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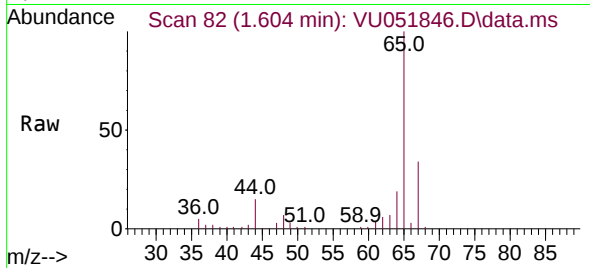
Quant Time: Nov 15 03:06:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
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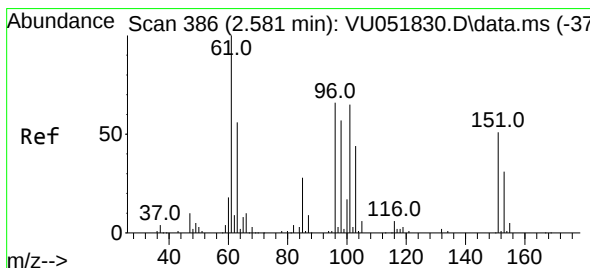
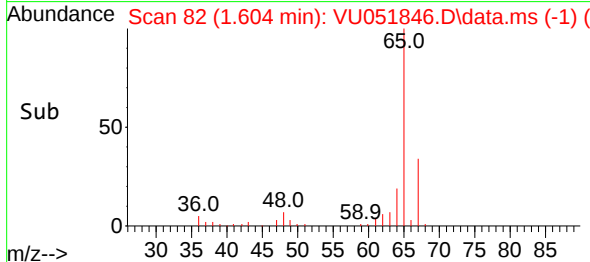
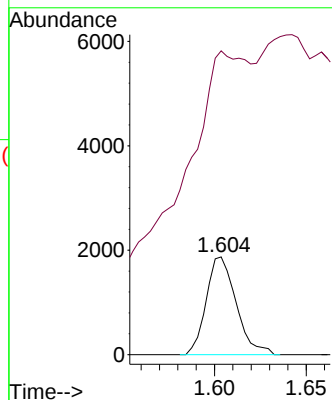


#5
 Vinyl chloride
 Concen: 0.121 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051846.D
 Acq: 14 Nov 2022 20:04

Instrument :
 MSVOA_U
 ClientSampleId :

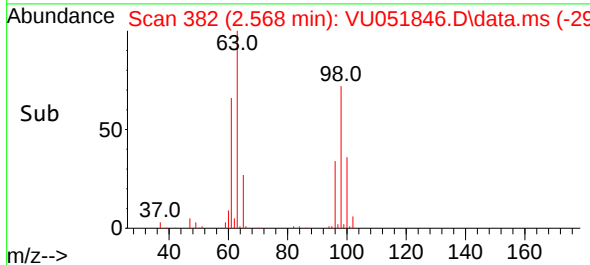
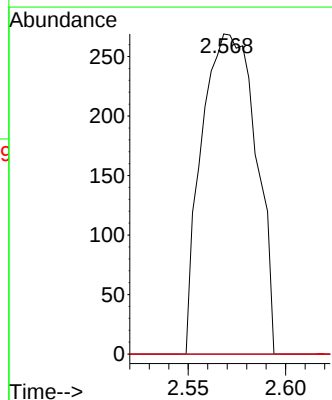
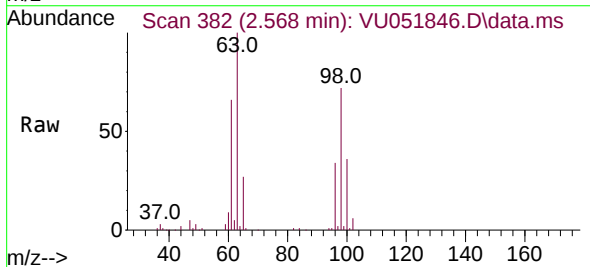


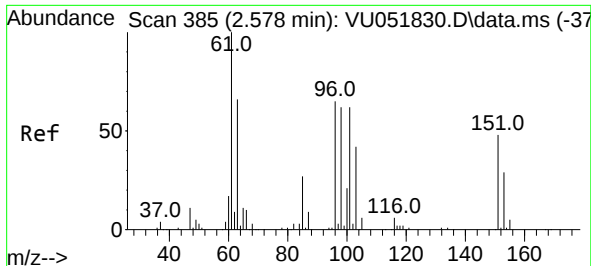
Tgt Ion: 62 Resp: 2127
 Ion Ratio Lower Upper
 62 100
 64 310.6 22.1 41.1#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.046 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.013 min
 Lab File: VU051846.D
 Acq: 14 Nov 2022 20:04

Tgt Ion: 101 Resp: 519
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 59.6 89.4#

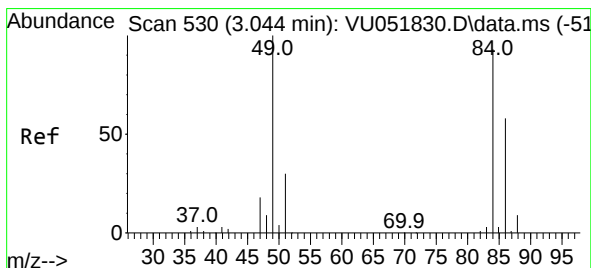
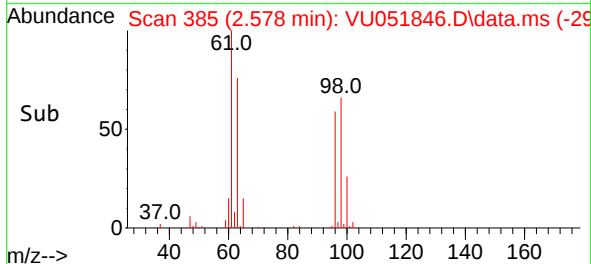
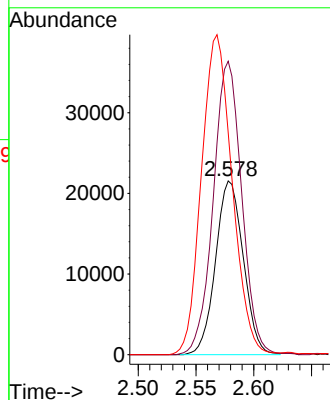
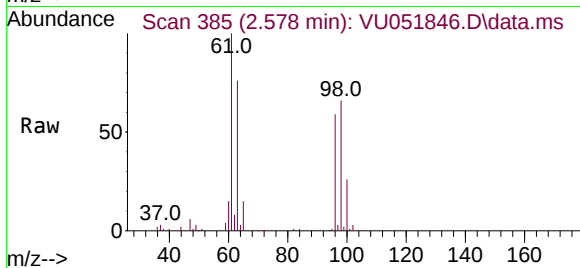




#12
1,1-Dichloroethene
Concen: 3.095 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU051846.D
Acq: 14 Nov 2022 20:04

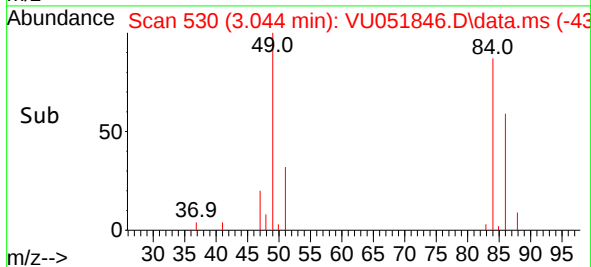
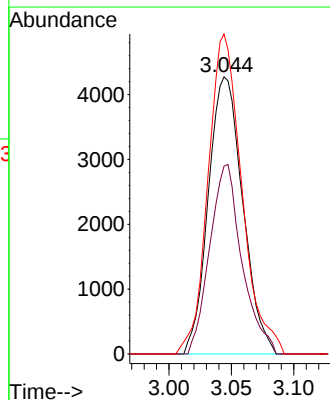
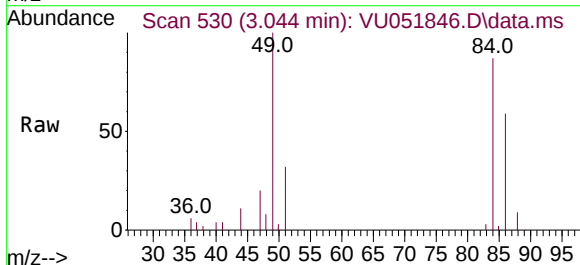
Instrument :
MSVOA_U
ClientSampleId :

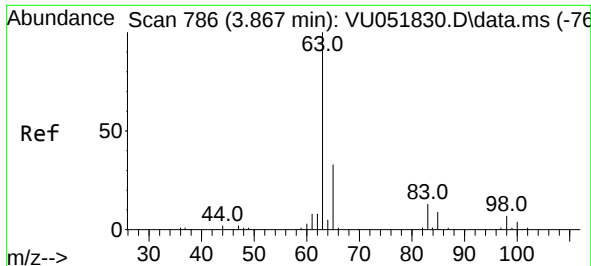
Tgt Ion: 96 Resp: 35922
Ion Ratio Lower Upper
96 100
61 168.8 108.8 202.0
63 127.8 64.9 120.5#



#16
Methylene chloride
Concen: 0.432 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU051846.D
Acq: 14 Nov 2022 20:04

Tgt Ion: 84 Resp: 8216
Ion Ratio Lower Upper
84 100
86 67.8 46.3 85.9
49 115.5 76.0 141.2





#19

1,1-Dichloroethane

Concen: 0.271 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.006 min

Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

Instrument :

MSVOA_U

ClientSampleId :

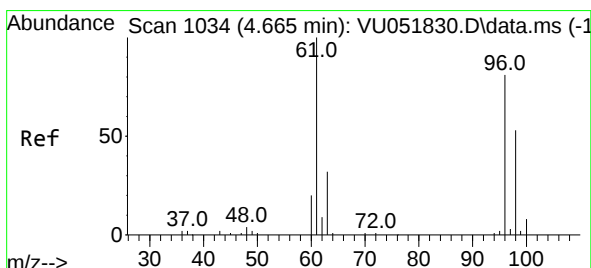
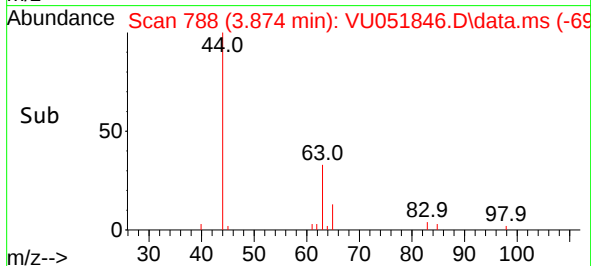
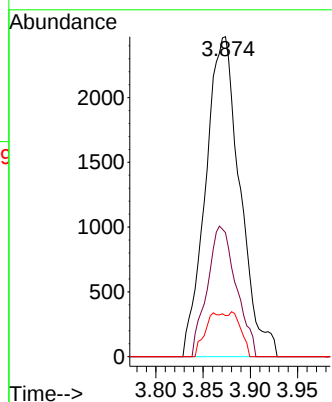
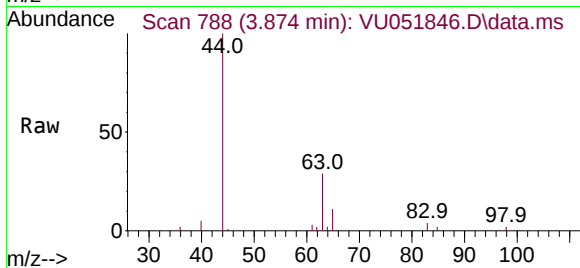
Tgt Ion: 63 Resp: 6234

Ion Ratio Lower Upper

63 100

65 38.7 22.7 42.1

83 12.8 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 1.488 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

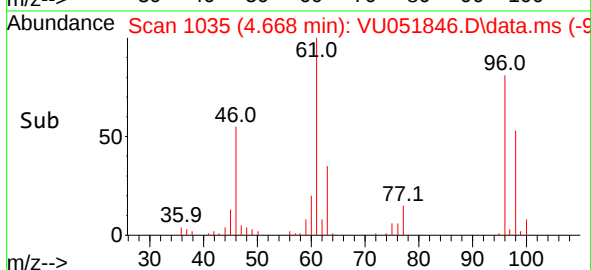
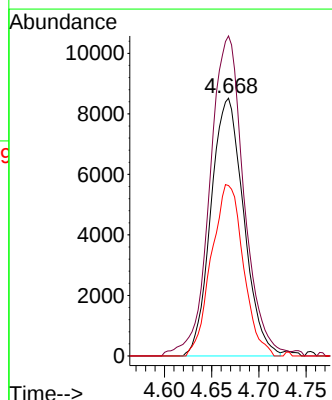
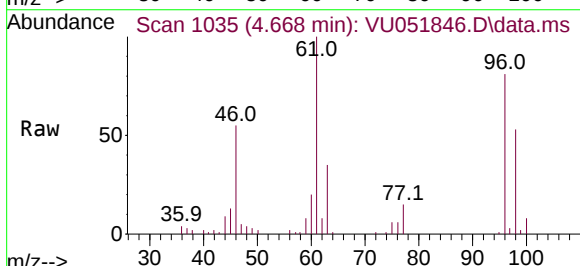
Tgt Ion: 96 Resp: 20503

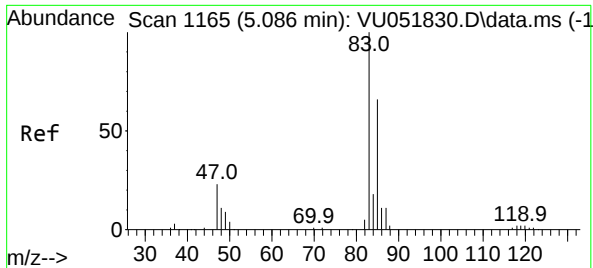
Ion Ratio Lower Upper

96 100

61 124.1 86.4 160.4

98 66.1 44.2 82.2





#25

Chloroform

Concen: 0.433 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

Instrument :

MSVOA_U

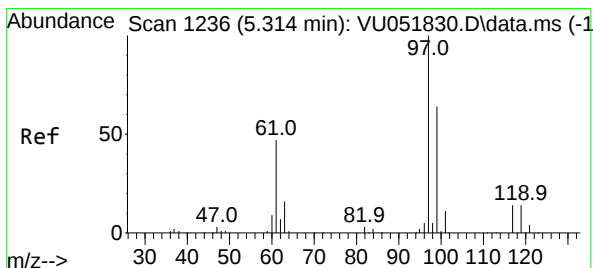
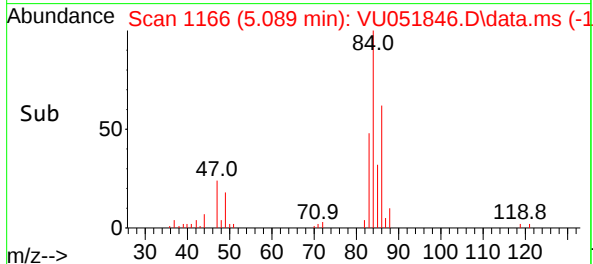
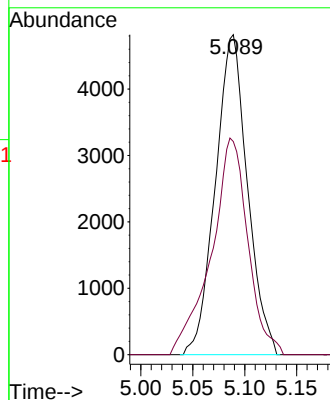
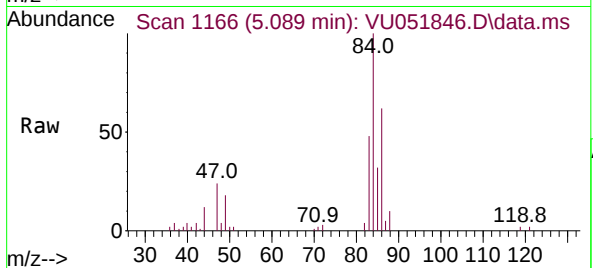
ClientSampleId :

Tgt Ion: 83 Resp: 10319

Ion Ratio Lower Upper

83 100

85 66.6 45.2 84.0



#29

1,1,1-Trichloroethane

Concen: 0.091 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.006 min

Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

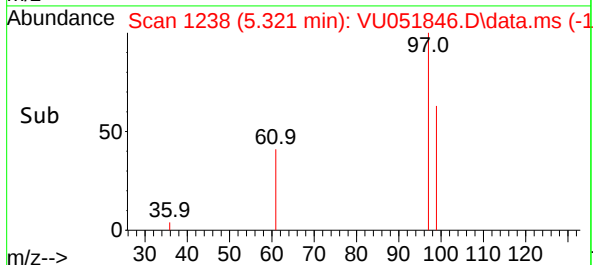
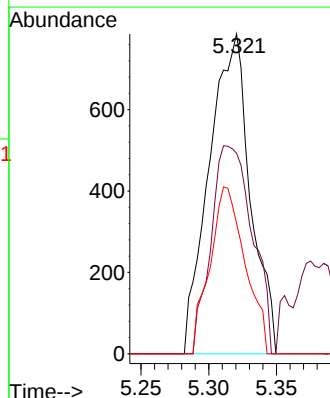
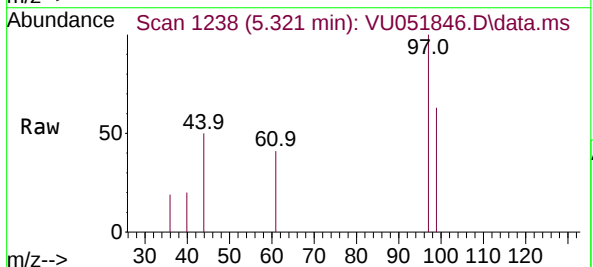
Tgt Ion: 97 Resp: 1662

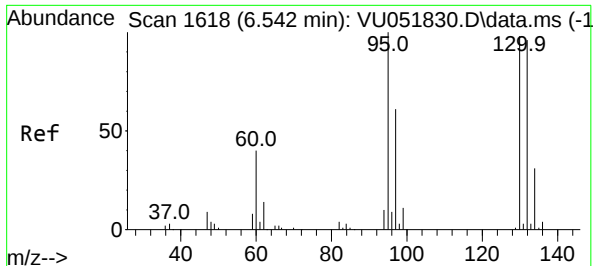
Ion Ratio Lower Upper

97 100

99 65.3 51.1 76.7

61 44.6 37.4 56.0

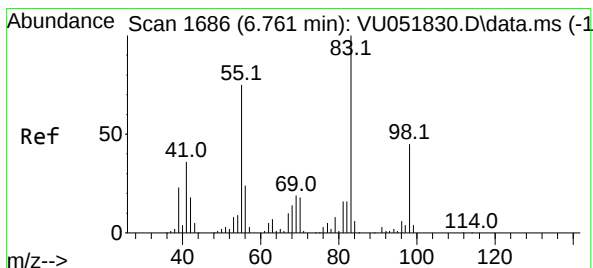
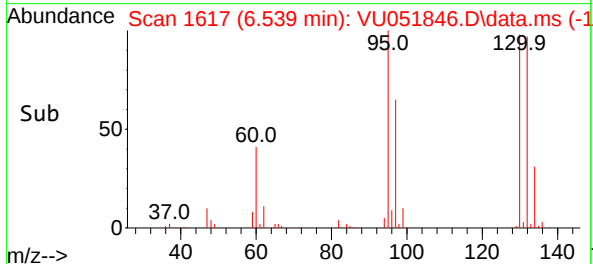
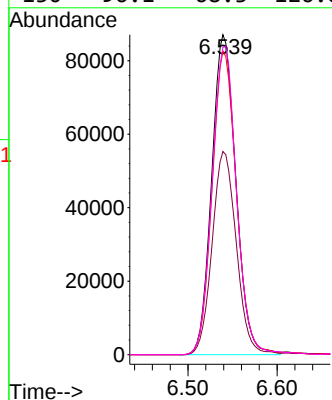
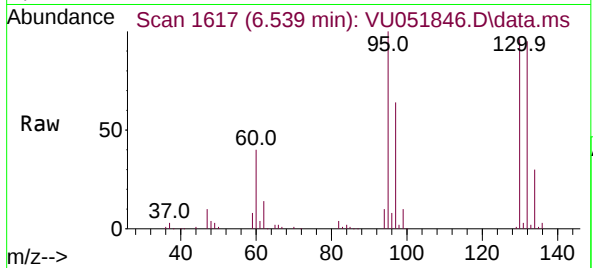




#34
Trichloroethene
Concen: 12.872 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU051846.D
Acq: 14 Nov 2022 20:04

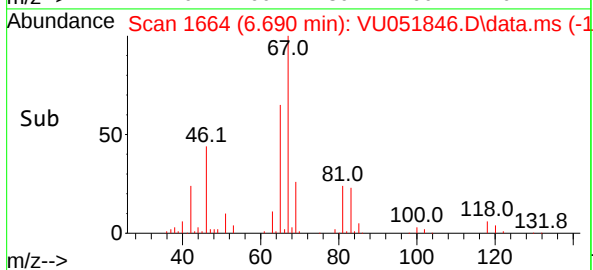
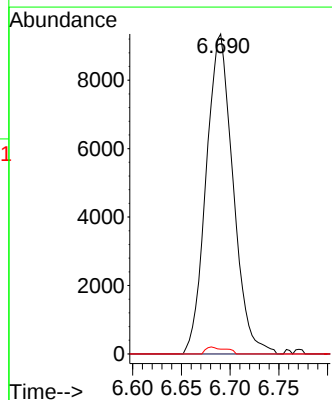
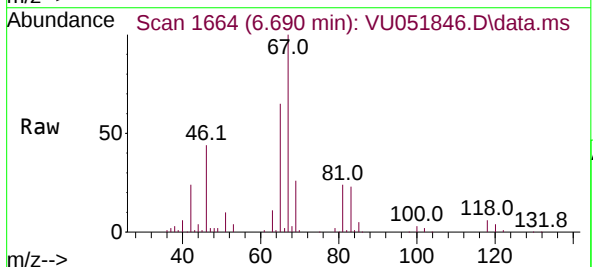
Instrument :
MSVOA_U
ClientSampleId :

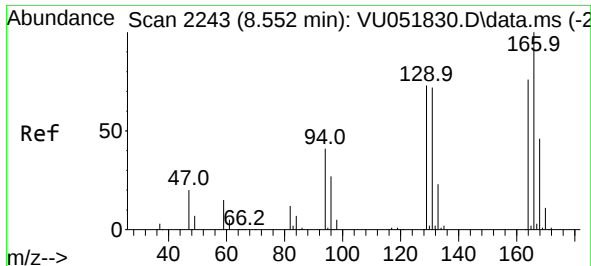
Tgt Ion: 95 Resp: 164428
Ion Ratio Lower Upper
95 100
97 63.5 45.2 84.0
132 94.8 66.5 123.5
130 96.1 68.3 126.8



#35
Methylcyclohexane
Concen: 1.019 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051846.D
Acq: 14 Nov 2022 20:04

Tgt Ion: 83 Resp: 17992
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 1.6 35.8 53.6#





#47

Tetrachloroethene

Concen: 37.073 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

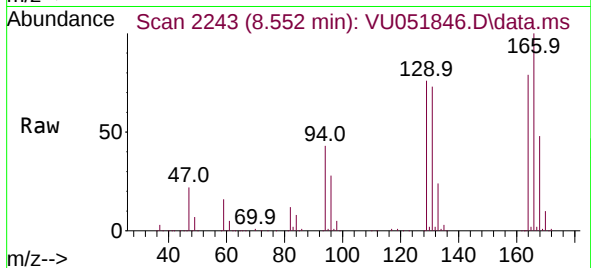
Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 362696

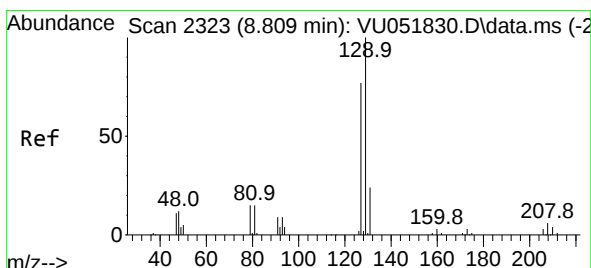
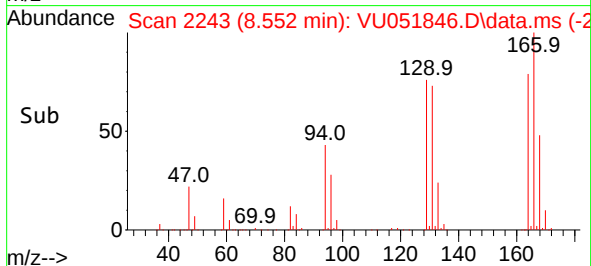
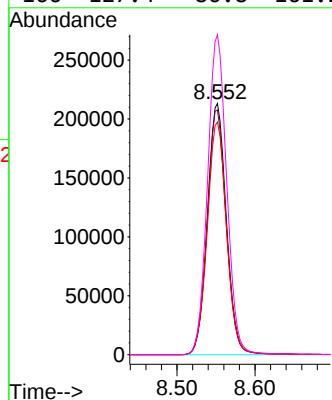
Ion Ratio Lower Upper

164 100

129 97.4 64.0 118.8

131 92.6 60.7 112.7

166 127.4 86.8 161.2



#49

Dibromochloromethane

Concen: 30.565 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU051846.D

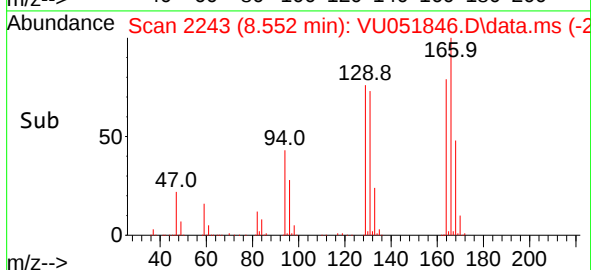
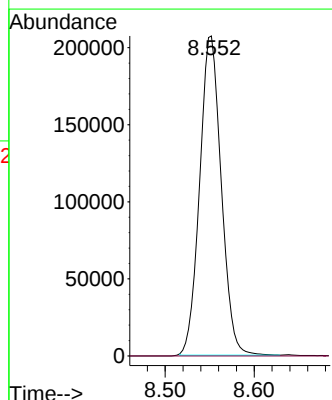
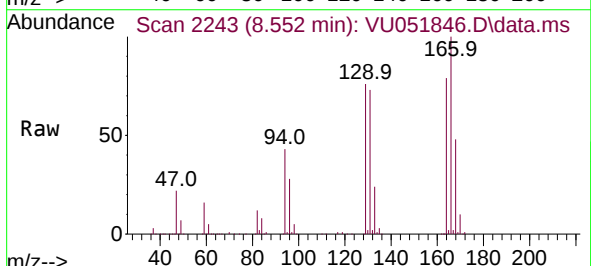
Acq: 14 Nov 2022 20:04

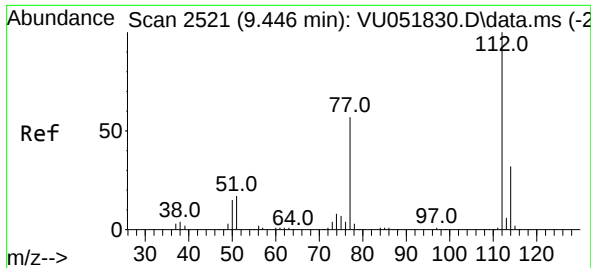
Tgt Ion:129 Resp: 348354

Ion Ratio Lower Upper

129 100

127 0.0 54.8 101.8#

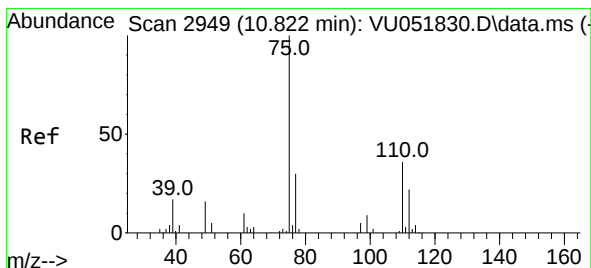
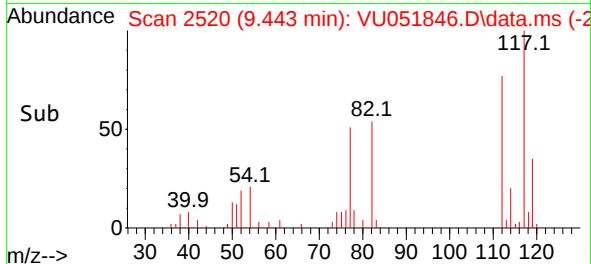
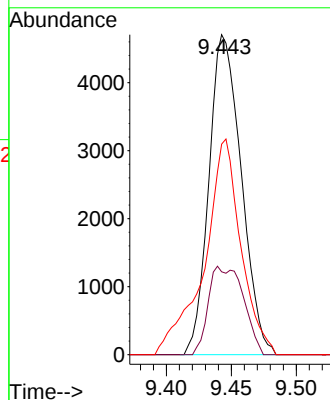
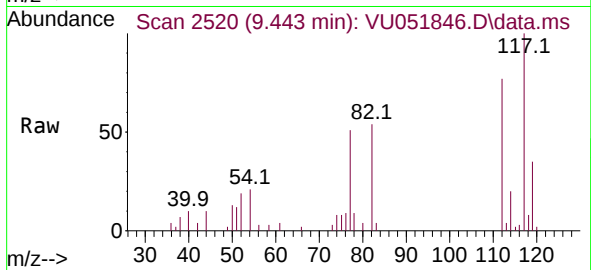




#51
Chlorobenzene
Concen: 0.238 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051846.D
Acq: 14 Nov 2022 20:04

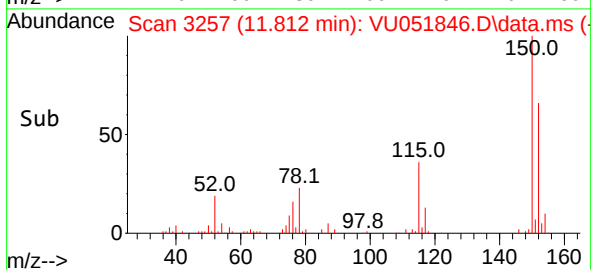
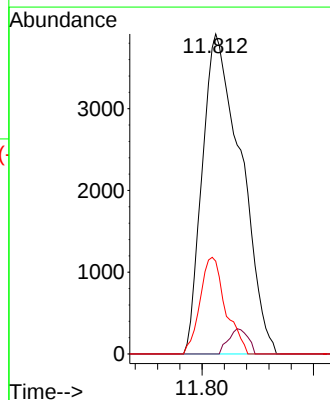
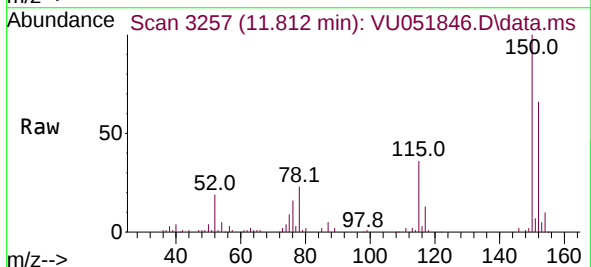
Instrument :
MSVOA_U
ClientSampleId :

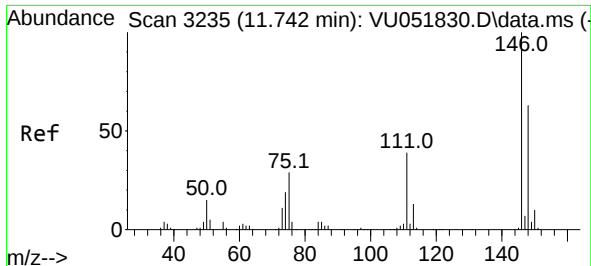
Tgt Ion:112 Resp: 8150
Ion Ratio Lower Upper
112 100
114 25.9 22.0 40.8
77 65.8 46.7 70.1



#61
1,2,3-Trichloropropane
Concen: 1.515 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU051846.D
Acq: 14 Nov 2022 20:04

Tgt Ion: 75 Resp: 9427
Ion Ratio Lower Upper
75 100
110 4.0 28.7 43.1#
77 20.0 26.1 39.1#





#64

1,3-Dichlorobenzene

Concen: 0.712 ug/L

RT: 11.835 min Scan# 31

Delta R.T. 0.093 min

Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

Instrument :

MSVOA_U

ClientSampleId :

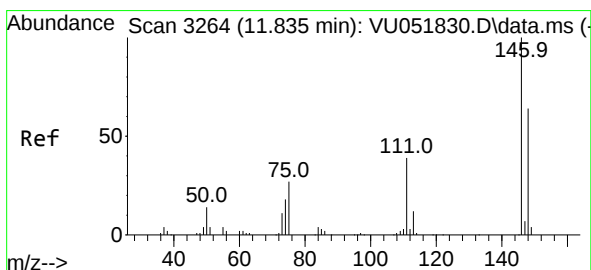
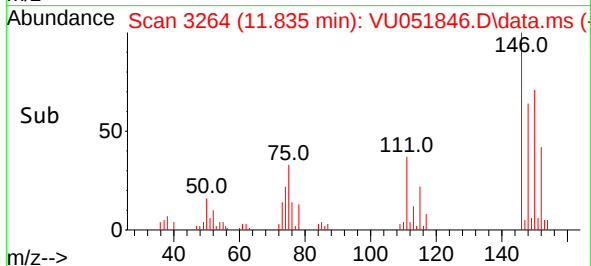
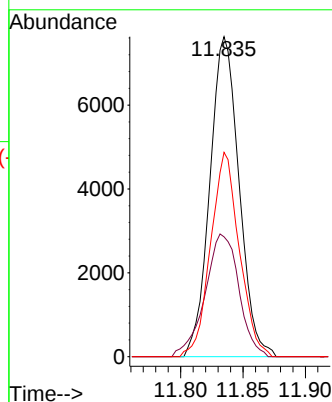
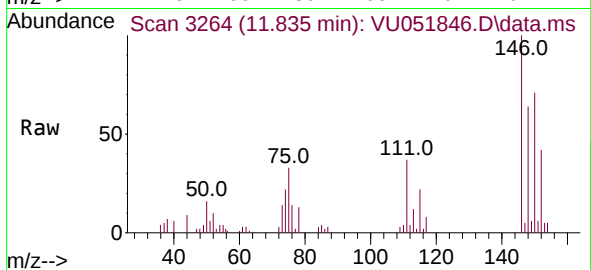
Tgt Ion:146 Resp: 12446

Ion Ratio Lower Upper

146 100

111 37.5 28.6 53.2

148 63.9 44.7 82.9



#65

1,4-Dichlorobenzene

Concen: 0.710 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. -0.000 min

Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

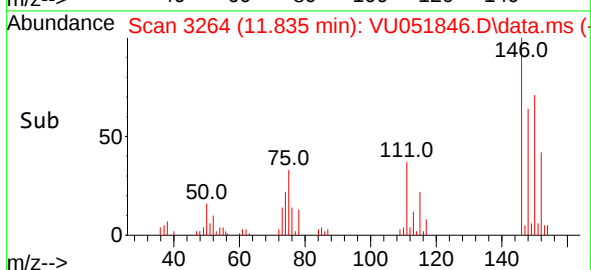
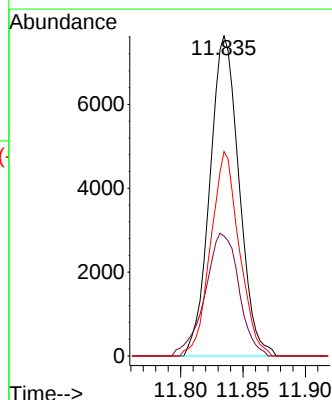
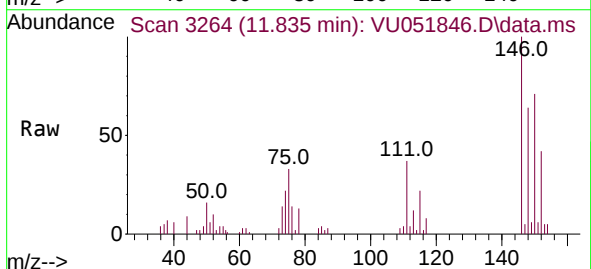
Tgt Ion:146 Resp: 12446

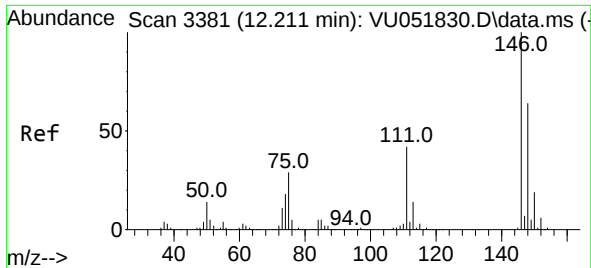
Ion Ratio Lower Upper

146 100

111 37.5 26.7 49.5

148 63.9 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.216 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

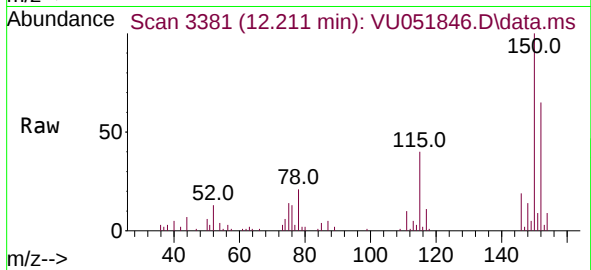
Lab File: VU051846.D

Acq: 14 Nov 2022 20:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 3677

Ion Ratio Lower Upper

146 100

111 51.6 34.2 51.2#

148 75.1 50.1 75.1#

