

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020122\
 Data File : U046968.D
 Acq On : 01 Feb 2022 17:04
 Operator : SY/MD
 Sample : N1273-13 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COHL1

Quant Time: Feb 02 02:05:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 02 02:02:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	107179	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	120801	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	51246	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	49894	5.494	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.800%
7) Chloroethane-d5	1.919	69	39236	5.483	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.600%
11) 1,1-Dichloroethene-d2	2.572	65	19576	5.419	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.400%
20) 2-Butanone-d5	4.649	46	114588	42.590	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.180%
24) Chloroform-d	5.070	84	77880	4.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.707	65	43815	5.046	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.732	84	156405	4.405	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.694	67	49952	4.686	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.903	98	120320	3.703	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.182	79	18167	3.881	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.600%
46) 2-Hexanone-d5	8.639	63	110279	39.784	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.560%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	44123	4.123	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	42983	4.473	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.610	62	1658	0.192	ug/L #	57
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	431	0.069	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	33578	5.611	ug/L	95
18) trans-1,2-Dichloroethene	3.363	96	1107	0.171	ug/L	77
19) 1,1-Dichloroethane	3.877	63	14922	1.371	ug/L	94
22) cis-1,2-Dichloroethene	4.671	96	219829	32.149	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	22035	2.025	ug/L	97
31) Carbon tetrachloride	5.324	117	2969	0.318	ug/L	87
34) Trichloroethene	6.546	95	148639	20.129	ug/L	99
35) Methylcyclohexane	6.694	83	11887	0.961	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	5241	0.751	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1088	0.100	ug/L #	74
45) 1,1,2-Trichloroethane	8.555	97	4560	0.768	ug/L #	1
47) Tetrachloroethene	8.555	164	539033	89.753	ug/L	98
49) Dibromochloromethane	8.555	129	538574	76.918	ug/L #	10
51) Chlorobenzene	9.449	112	6319	0.320	ug/L	95
61) 1,2,3-Trichloropropane	11.812	75	7142	1.645	ug/L #	63
64) 1,3-Dichlorobenzene	11.838	146	1835	0.154	ug/L	90
65) 1,4-Dichlorobenzene	11.838	146	1835	0.153	ug/L	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020122\
Data File : VU046968.D
Acq On : 01 Feb 2022 17:04
Operator : SY/MD
Sample : N1273-13 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0HL1

Quant Time: Feb 02 02:05:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 02 02:02:08 2022
Response via : Initial Calibration

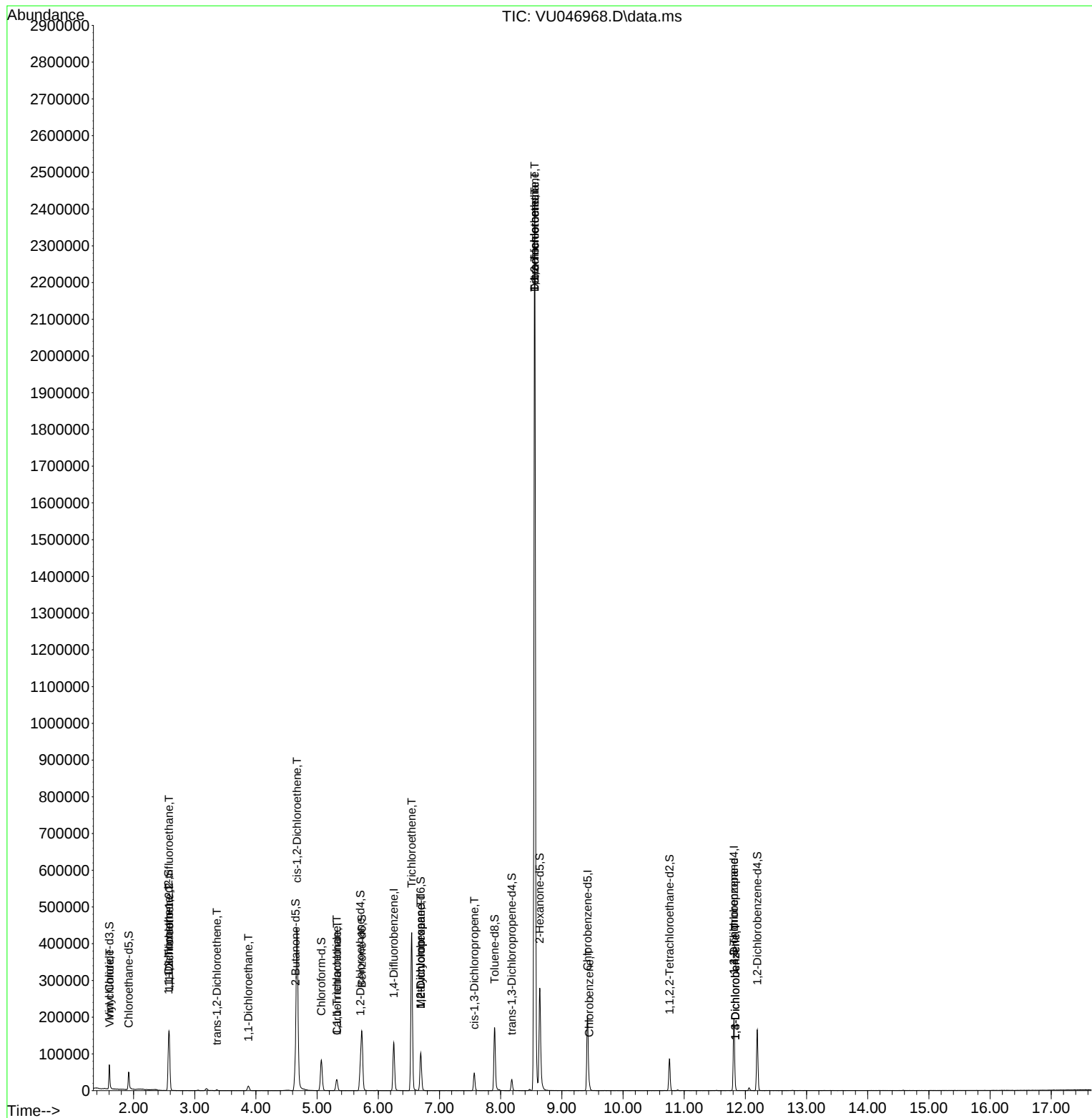
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

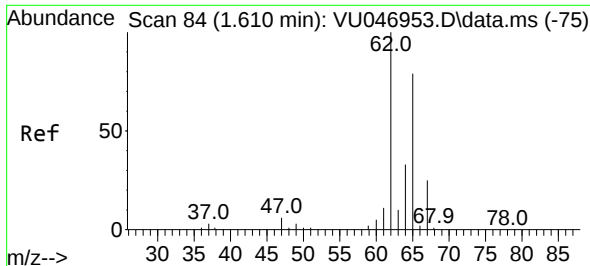
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020122\
Data File : VU046968.D
Acq On : 01 Feb 2022 17:04
Operator : SY/MD
Sample : N1273-13 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COHL1

Quant Time: Feb 02 02:05:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 02 02:02:08 2022
Response via : Initial Calibration

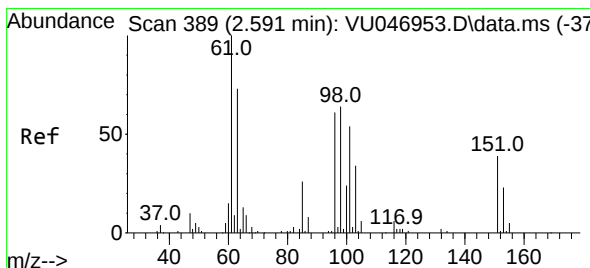
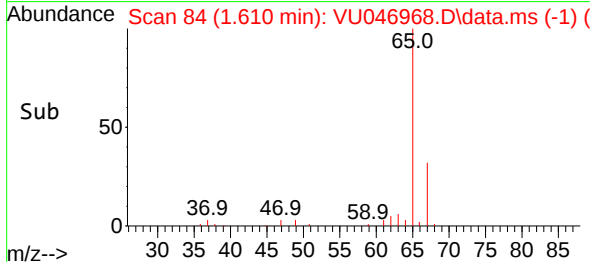
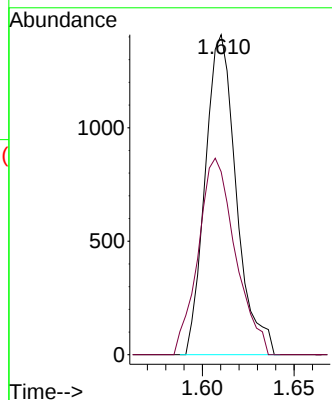
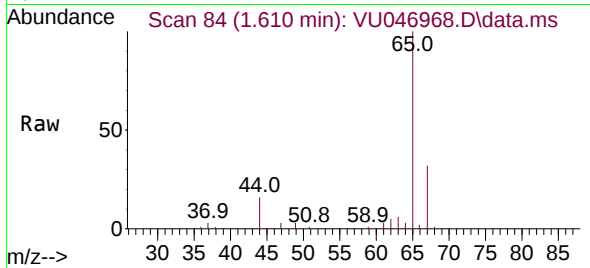




#5
 Vinyl chloride
 Concen: 0.192 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VU046968.D
 Acq: 01 Feb 2022 17:04

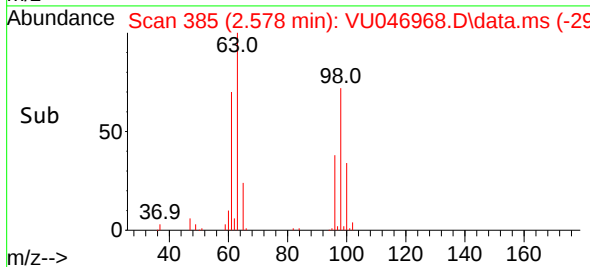
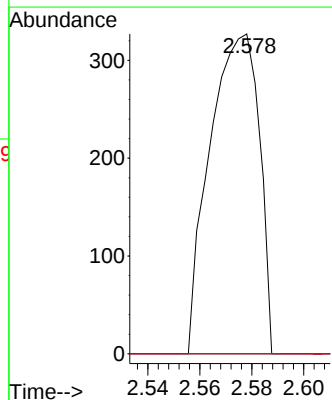
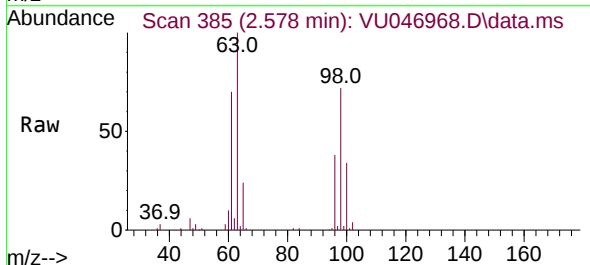
Instrument :
 MSVOA_U
 ClientSampleId :
 COHL1

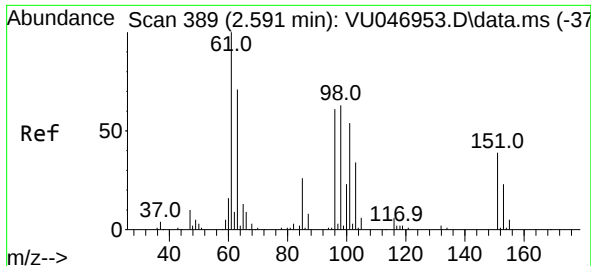
Tgt Ion: 62 Resp: 1658
 Ion Ratio Lower Upper
 62 100
 64 57.2 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.069 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.013 min
 Lab File: VU046968.D
 Acq: 01 Feb 2022 17:04

Tgt Ion: 101 Resp: 431
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 5.611 ug/L

RT: 2.584 min Scan# 389

Delta R.T. -0.006 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

COHL1

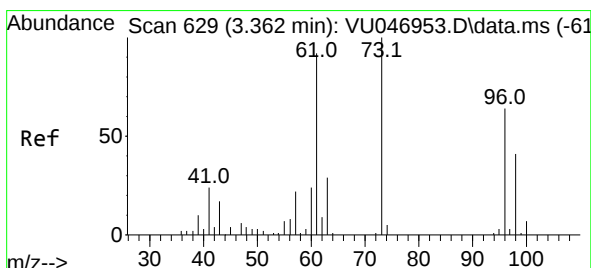
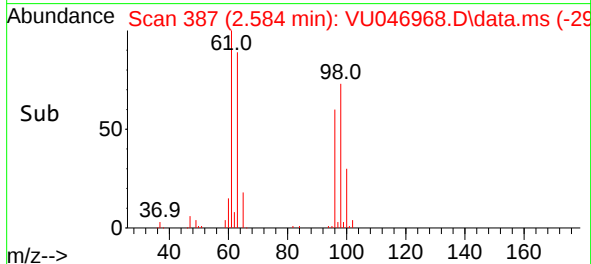
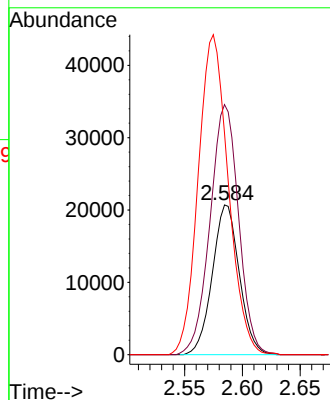
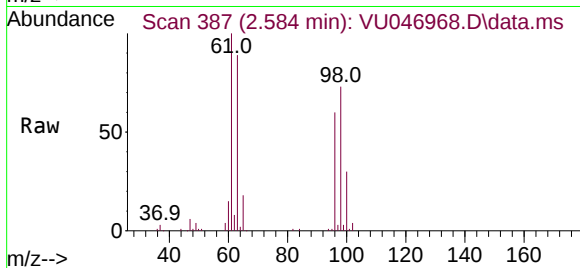
Tgt Ion: 96 Resp: 33578

Ion Ratio Lower Upper

96 100

61 167.0 124.7 231.5

63 147.8 105.2 195.4



#18

trans-1,2-Dichloroethene

Concen: 0.171 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

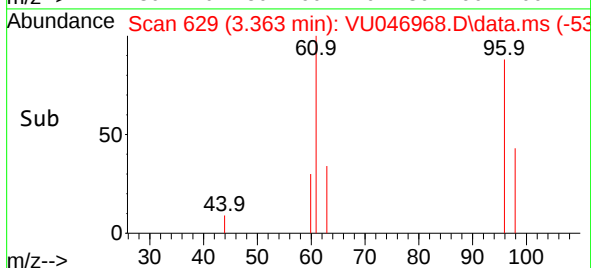
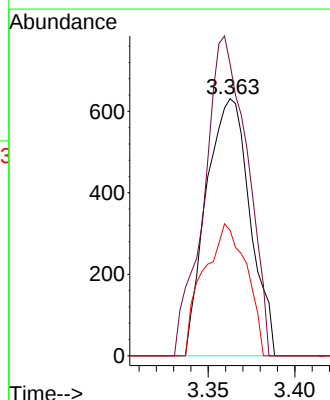
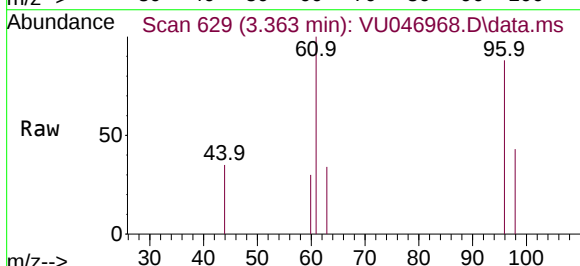
Tgt Ion: 96 Resp: 1107

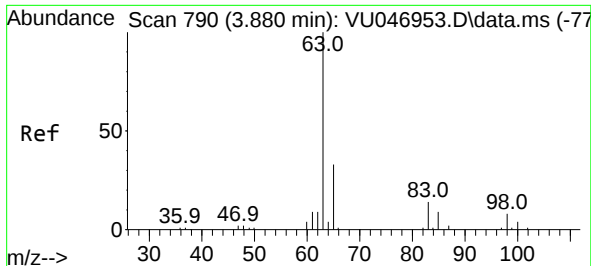
Ion Ratio Lower Upper

96 100

61 113.5 100.8 187.2

98 48.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 1.371 ug/L

RT: 3.877 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

COHL1

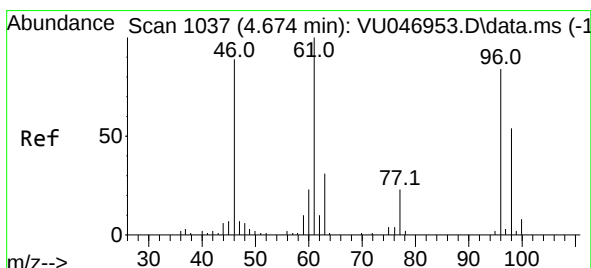
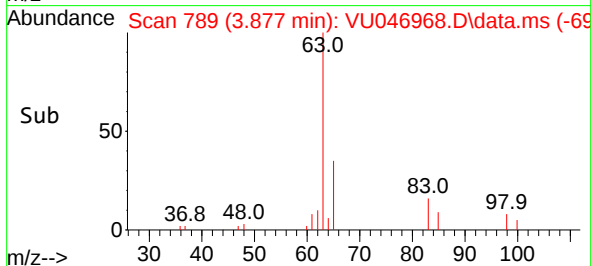
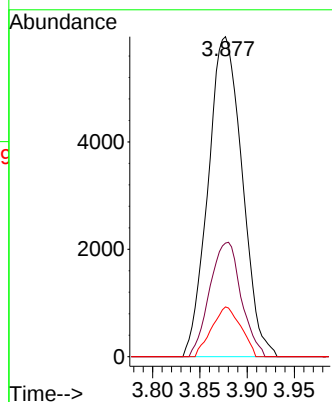
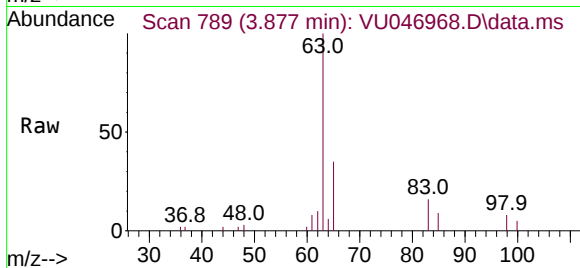
Tgt Ion: 63 Resp: 14922

Ion Ratio Lower Upper

63 100

65 35.5 22.3 41.5

83 15.6 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 32.149 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

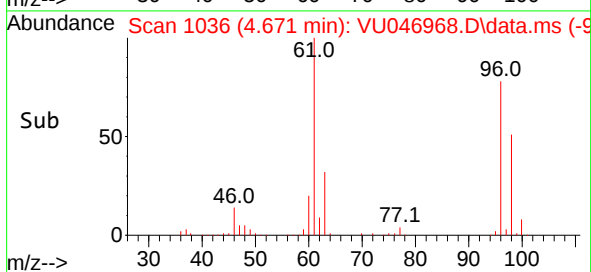
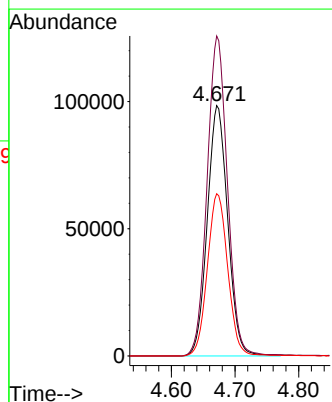
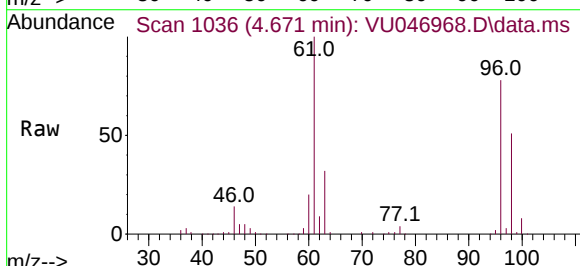
Tgt Ion: 96 Resp: 219829

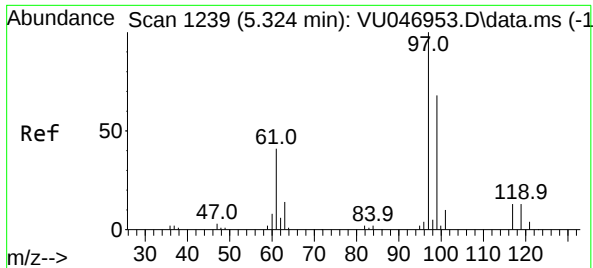
Ion Ratio Lower Upper

96 100

61 127.8 88.5 164.3

98 64.8 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 2.025 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

COHL1

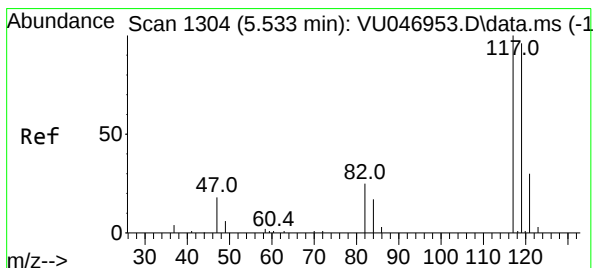
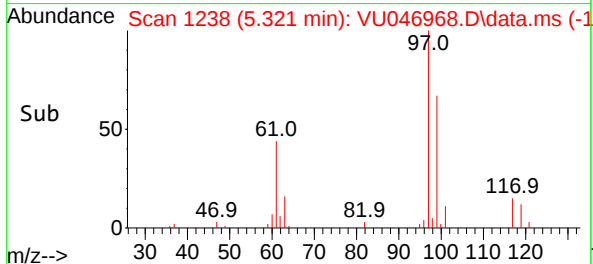
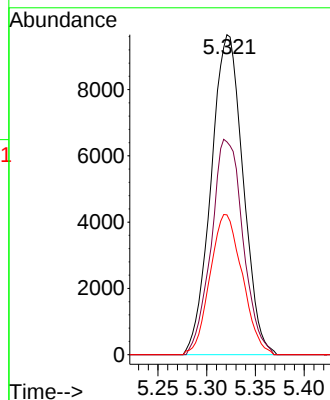
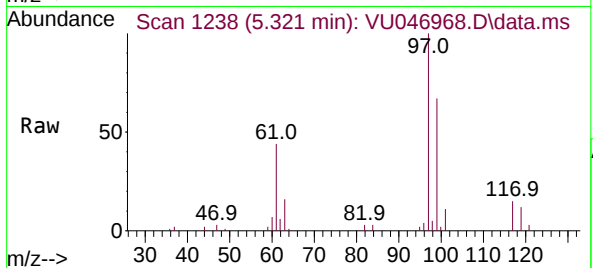
Tgt Ion: 97 Resp: 22035

Ion Ratio Lower Upper

97 100

99 66.8 51.3 76.9

61 44.2 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.318 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.209 min

Lab File: VU046968.D

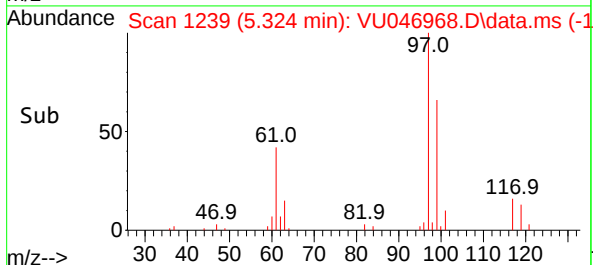
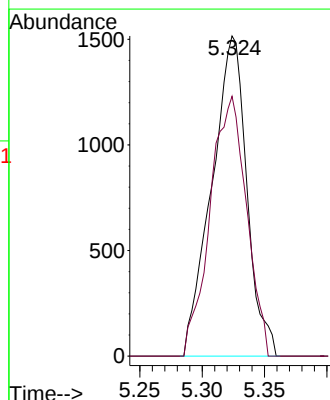
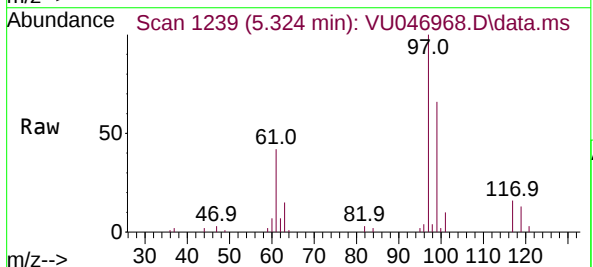
Acq: 01 Feb 2022 17:04

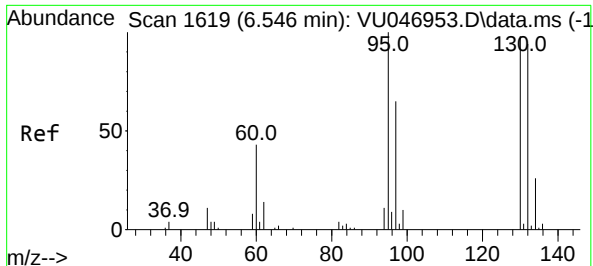
Tgt Ion:117 Resp: 2969

Ion Ratio Lower Upper

117 100

119 84.2 77.5 116.3

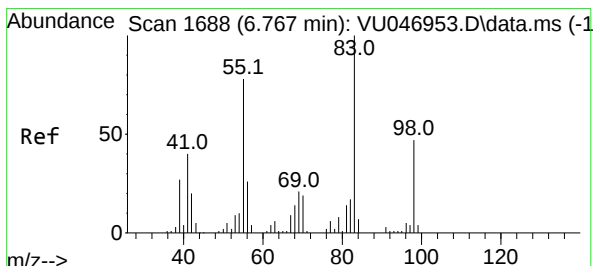
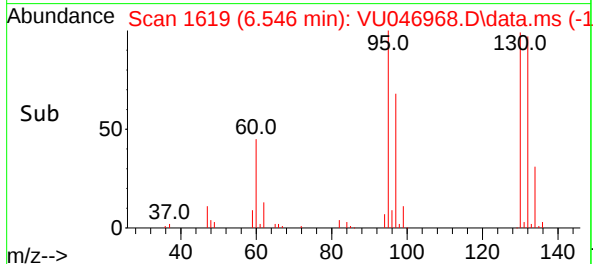
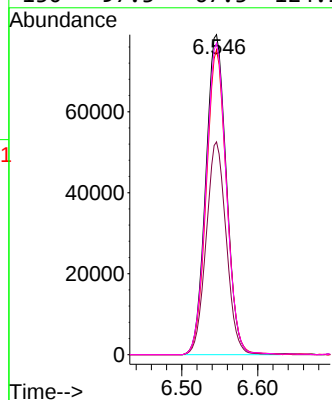
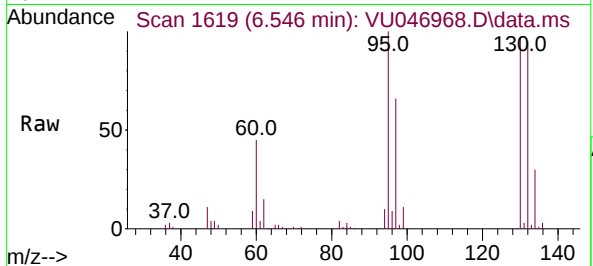




#34
Trichloroethene
Concen: 20.129 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046968.D
Acq: 01 Feb 2022 17:04

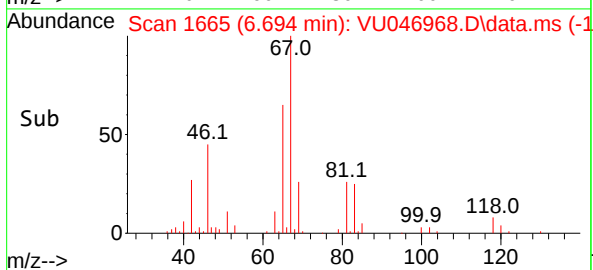
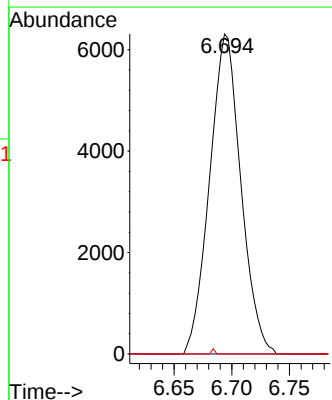
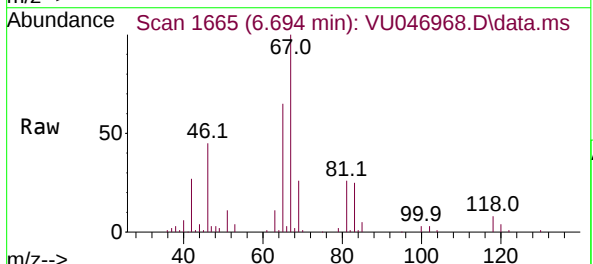
Instrument :
MSVOA_U
ClientSampleId :
COHL1

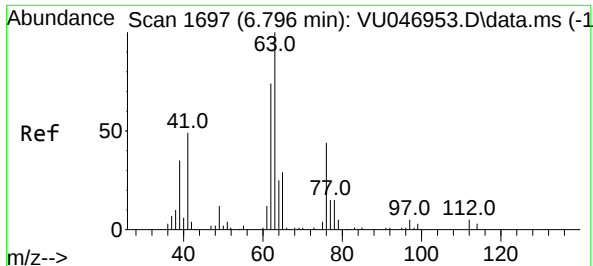
Tgt Ion: 95 Resp: 148639
Ion Ratio Lower Upper
95 100
97 66.5 46.5 86.5
132 95.3 65.1 120.9
130 97.3 67.3 124.9



#35
Methylcyclohexane
Concen: 0.961 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046968.D
Acq: 01 Feb 2022 17:04

Tgt Ion: 83 Resp: 11887
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.751 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

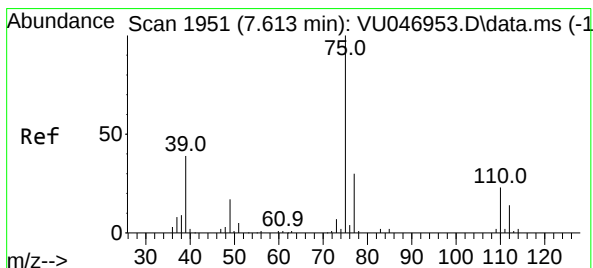
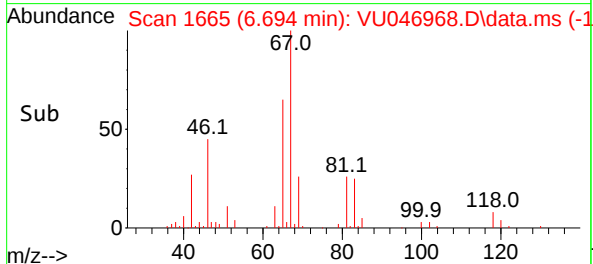
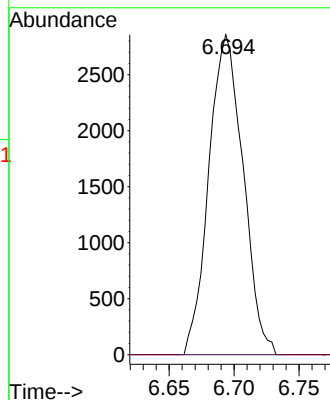
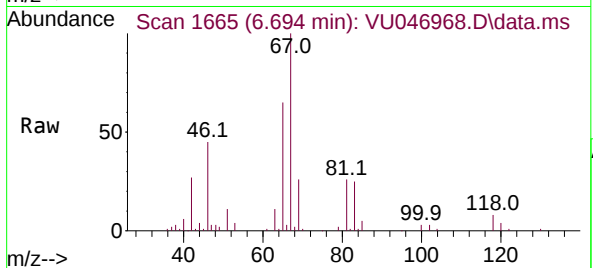
COHL1

Tgt Ion: 63 Resp: 5241

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.042 min

Lab File: VU046968.D

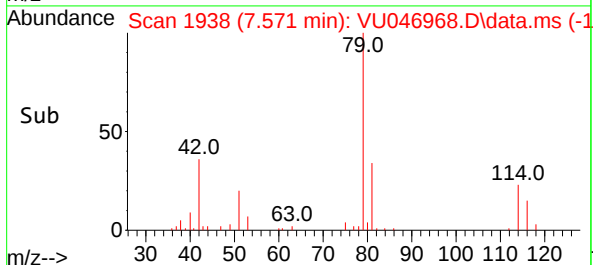
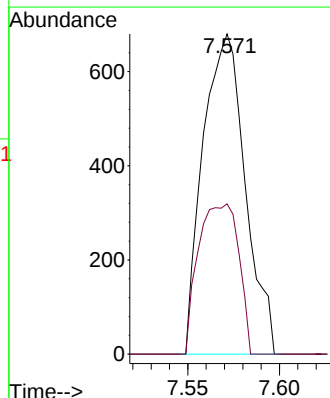
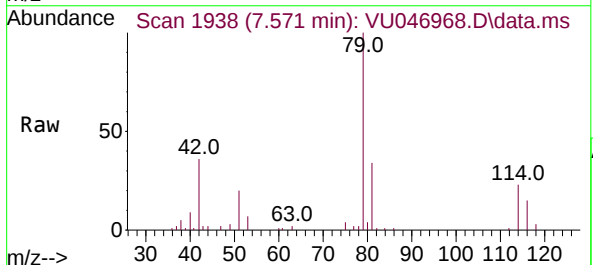
Acq: 01 Feb 2022 17:04

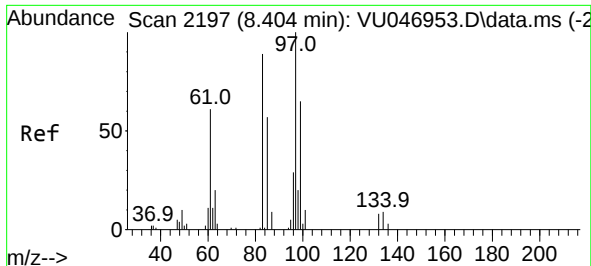
Tgt Ion: 75 Resp: 1088

Ion Ratio Lower Upper

75 100

77 46.9 22.5 41.9#

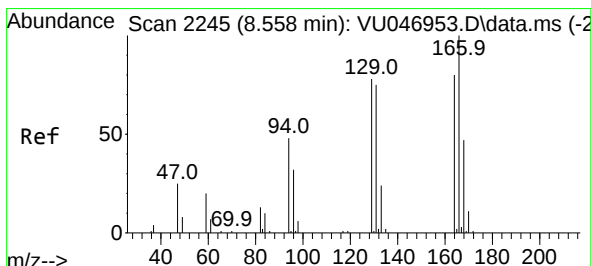
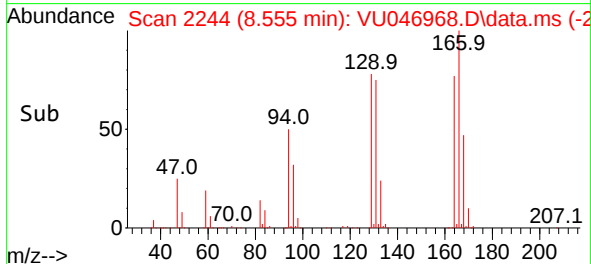
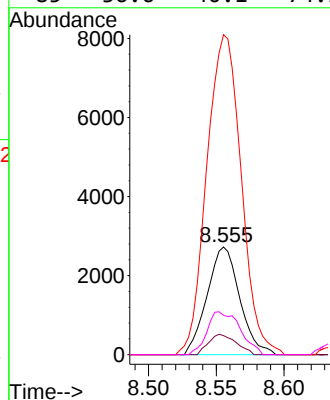
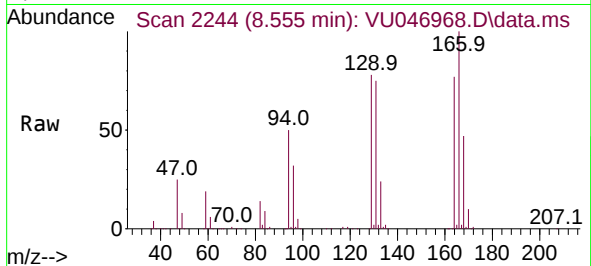




#45
1,1,2-Trichloroethane
Concen: 0.768 ug/L
RT: 8.555 min Scan# 2197
Delta R.T. 0.151 min
Lab File: VU046968.D
Acq: 01 Feb 2022 17:04

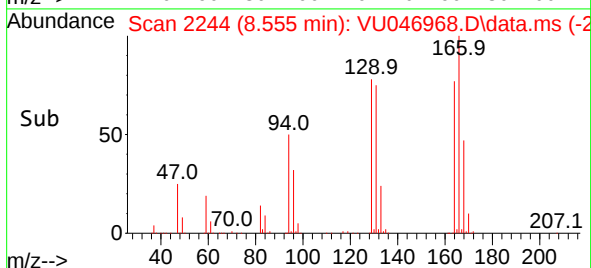
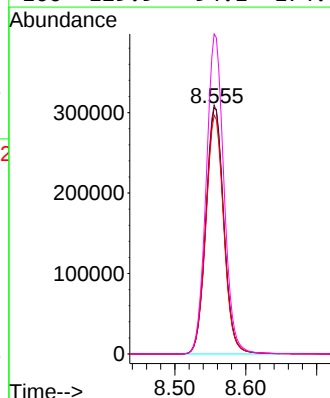
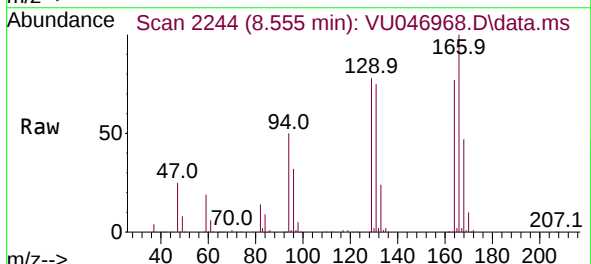
Instrument :
MSVOA_U
ClientSampleId :
COHL1

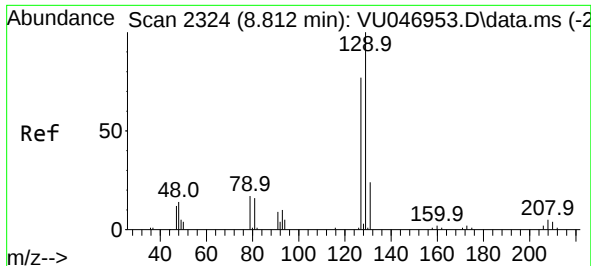
Tgt Ion:	97	Resp:	4560
Ion	Ratio	Lower	Upper
97	100		
99	17.7	42.3	78.5#
83	297.4	62.0	115.2#
85	36.6	40.1	74.5#



#47
Tetrachloroethene
Concen: 89.753 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046968.D
Acq: 01 Feb 2022 17:04

Tgt Ion:	164	Resp:	539033
Ion	Ratio	Lower	Upper
164	100		
129	101.0	71.8	133.4
131	97.0	68.5	127.3
166	129.9	94.1	174.8





#49

Dibromochloromethane

Concen: 76.918 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

Instrument :

MSVOA_U

ClientSampleId :

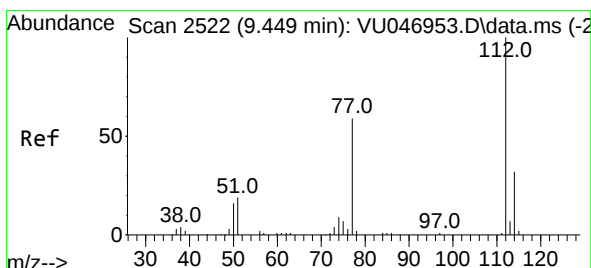
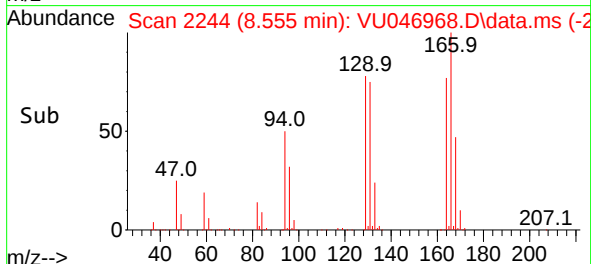
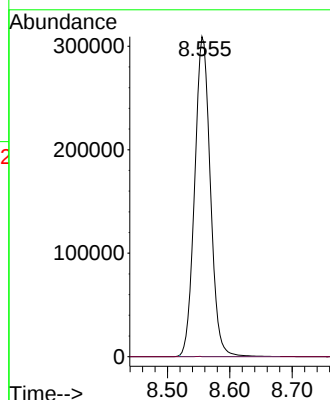
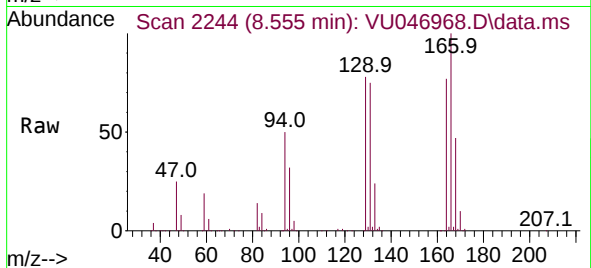
COHL1

Tgt Ion:129 Resp: 538574

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#51

Chlorobenzene

Concen: 0.320 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU046968.D

Acq: 01 Feb 2022 17:04

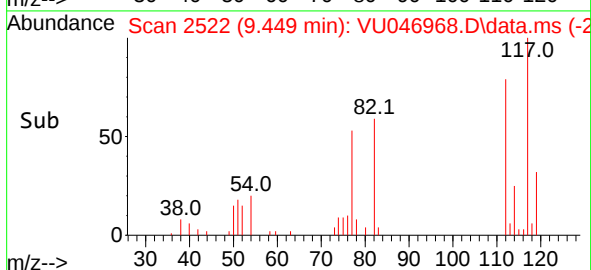
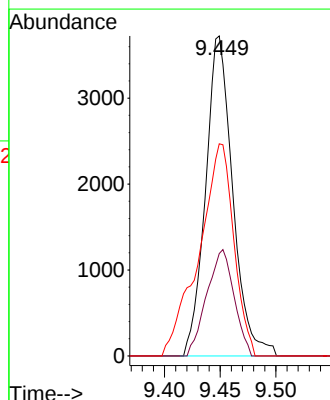
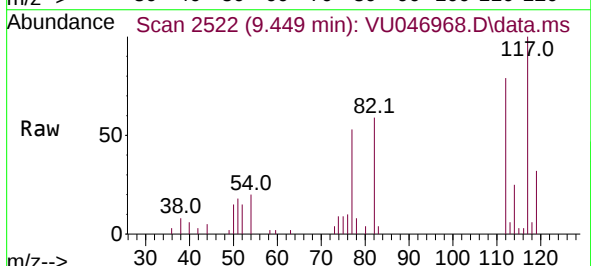
Tgt Ion:112 Resp: 6319

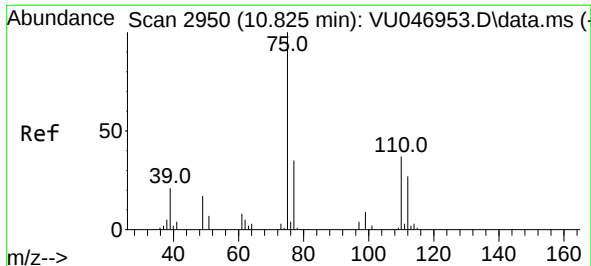
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 66.3 48.3 72.5

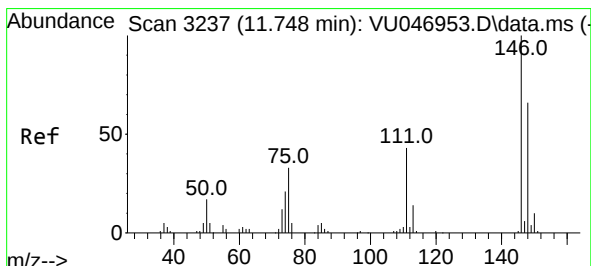
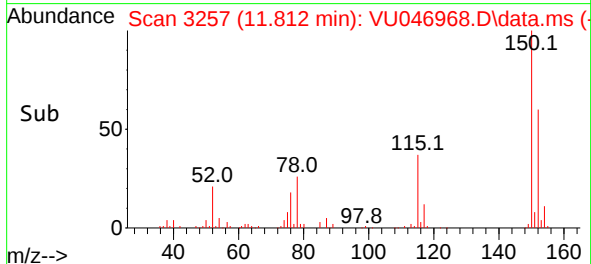
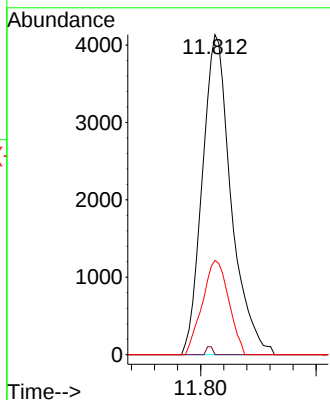
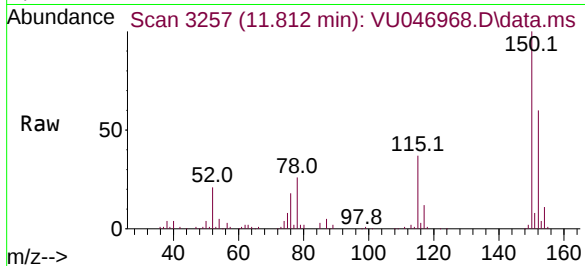




#61
1,2,3-Trichloropropane
Concen: 1.645 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU046968.D
Acq: 01 Feb 2022 17:04

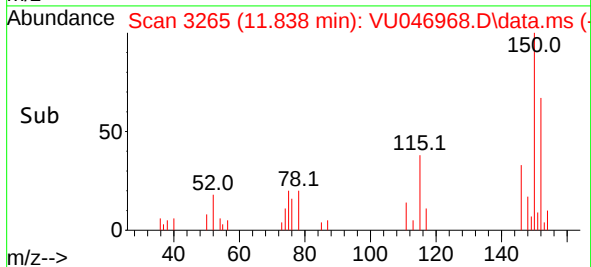
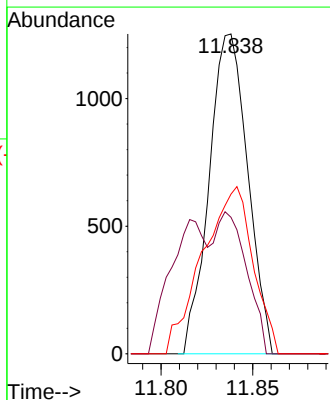
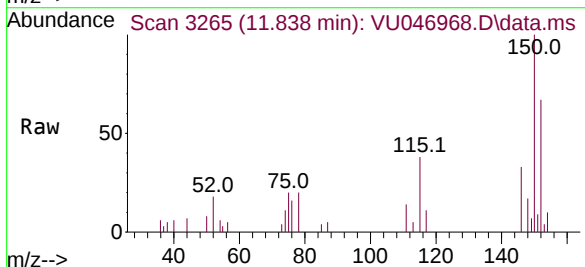
Instrument :
MSVOA_U
ClientSampleId :
COHL1

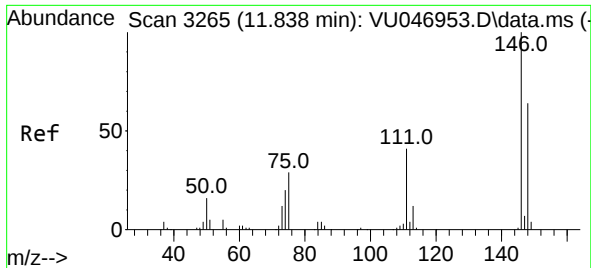
Tgt Ion: 75 Resp: 7142
Ion Ratio Lower Upper
75 100
110 0.5 29.9 44.9#
77 27.0 25.5 38.3



#64
1,3-Dichlorobenzene
Concen: 0.154 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.090 min
Lab File: VU046968.D
Acq: 01 Feb 2022 17:04

Tgt Ion:146 Resp: 1835
Ion Ratio Lower Upper
146 100
111 42.7 29.9 55.5
148 50.0 44.3 82.3





#65
 1,4-Dichlorobenzene
 Concen: 0.153 ug/L
 RT: 11.838 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU046968.D
 Acq: 01 Feb 2022 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 COHL1

Tgt Ion:146 Resp: 1835
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.7 53.3
 148 50.0 45.8 85.0

