

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U0020122\
 Data File : U0046969.D
 Acq On : 01 Feb 2022 17:28
 Operator : SY/MD
 Sample : N1273-14 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COHL2

Quant Time: Feb 02 02:06:02 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	101188	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	115380	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48809	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	47533	5.544	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.800%
7) Chloroethane-d5	1.919	69	36732	5.437	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.575	65	18651	5.468	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.400%
20) 2-Butanone-d5	4.646	46	115907	45.630	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.260%
24) Chloroform-d	5.070	84	74068	4.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.707	65	41172	5.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.732	84	147953	4.363	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.694	67	47653	4.680	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.899	98	115800	3.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.600%
43) trans-1,3-Dichloroprop...	8.182	79	17422	3.896	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.636	63	102236	38.615	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.240%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40768	3.988	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	40821	4.460	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	1674	0.205	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	412	0.070	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	30827	5.456	ug/L	89
18) trans-1,2-Dichloroethene	3.366	96	889	0.145	ug/L	88
19) 1,1-Dichloroethane	3.880	63	14132	1.376	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	215286	33.349	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	20262	1.950	ug/L	100
31) Carbon tetrachloride	5.321	117	2499	0.280	ug/L	97
34) Trichloroethene	6.546	95	140511	19.922	ug/L	99
35) Methylcyclohexane	6.694	83	11448	0.969	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	4725	0.709	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1110	0.107	ug/L #	76
45) 1,1,2-Trichloroethane	8.552	97	4351	0.767	ug/L #	1
47) Tetrachloroethene	8.555	164	471656	82.224	ug/L	97
49) Dibromochloromethane	8.555	129	471479	70.499	ug/L #	10
51) Chlorobenzene	9.446	112	6457	0.342	ug/L	91
61) 1,2,3-Trichloropropane	11.812	75	6553	1.585	ug/L #	66
64) 1,3-Dichlorobenzene	11.835	146	1690	0.149	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	1690	0.148	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 02 02:02:08 2022
Response via : Initial Calibration

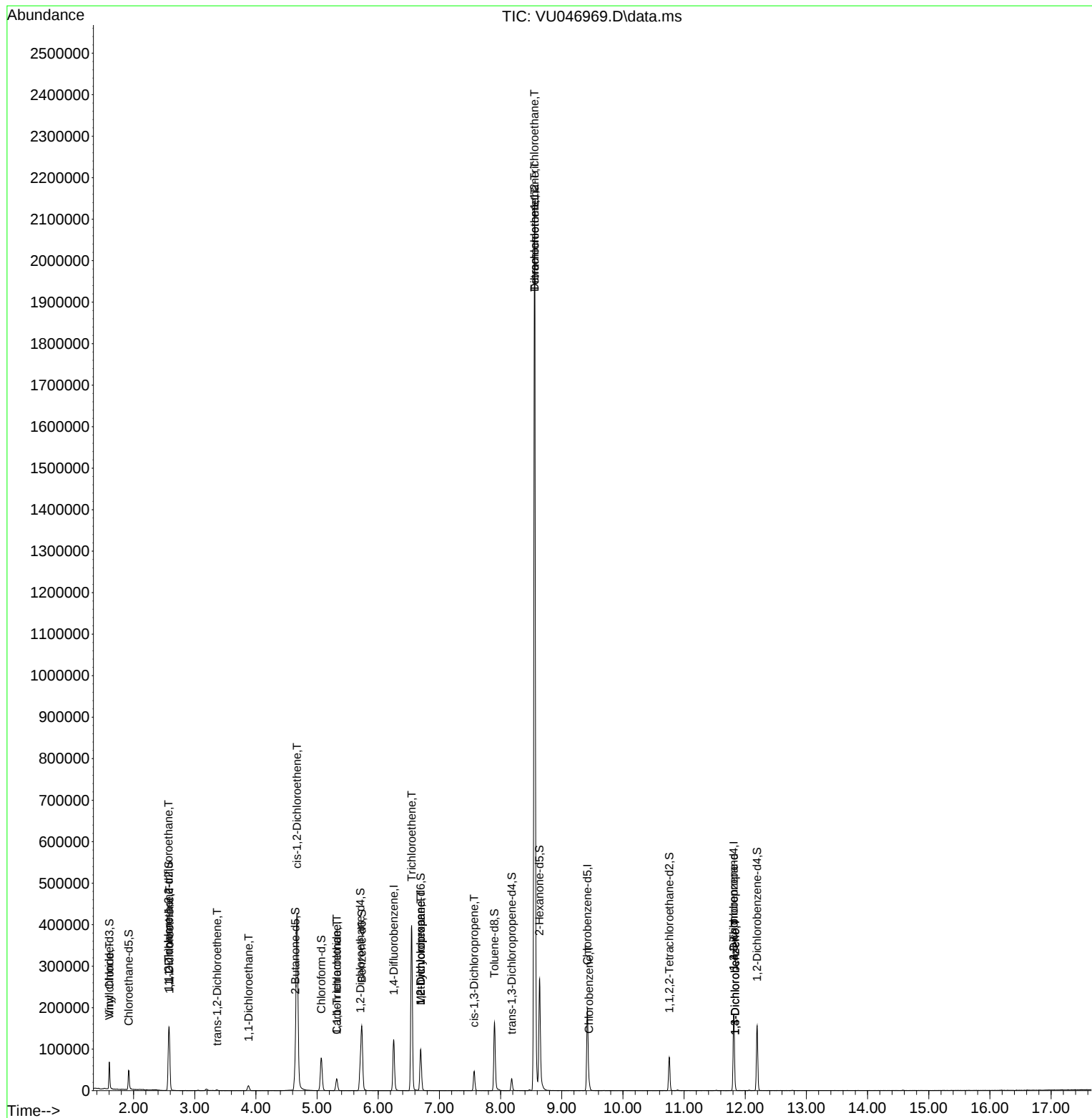
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

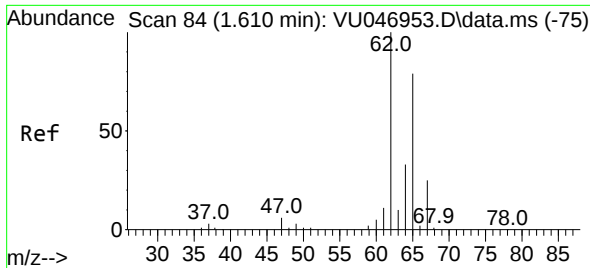
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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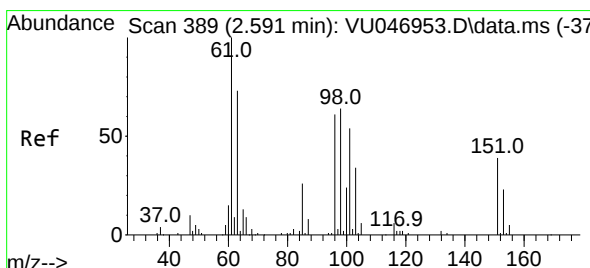
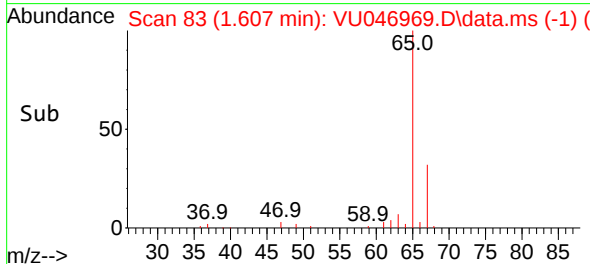
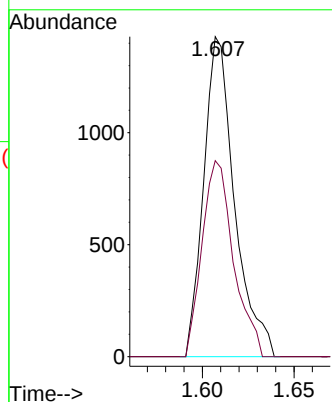
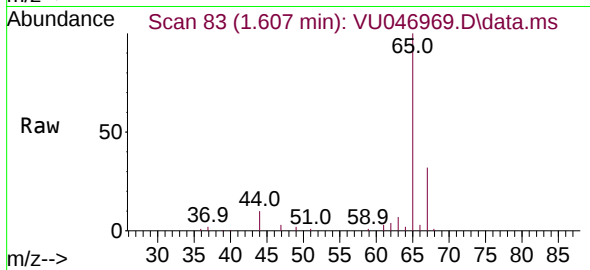




#5
 Vinyl chloride
 Concen: 0.205 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046969.D
 Acq: 01 Feb 2022 17:28

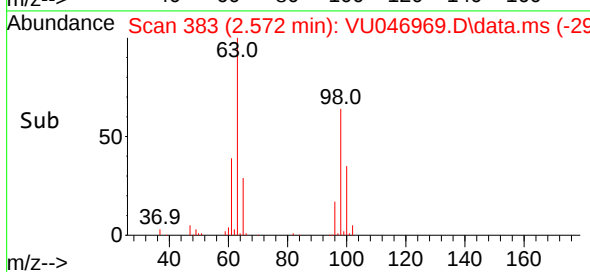
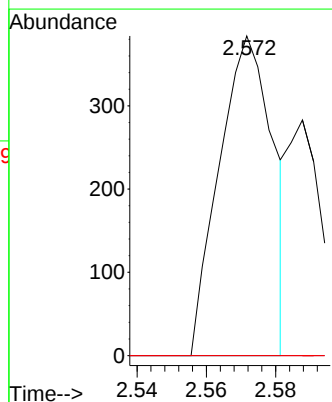
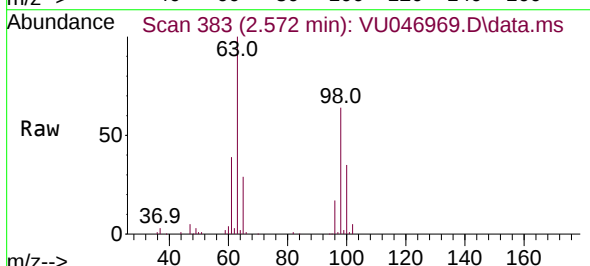
Instrument :
 MSVOA_U
 ClientSampleId :
 COHL2

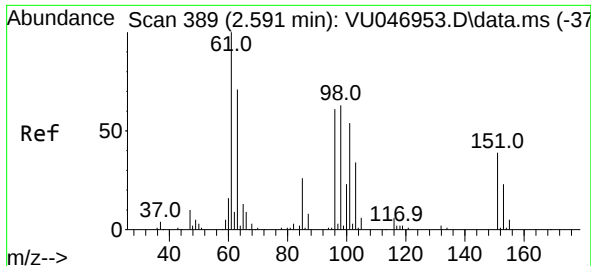
Tgt Ion: 62 Resp: 1674
 Ion Ratio Lower Upper
 62 100
 64 61.2 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.070 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.019 min
 Lab File: VU046969.D
 Acq: 01 Feb 2022 17:28

Tgt Ion: 101 Resp: 412
 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: 5.456 ug/L

RT: 2.588 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

Instrument :

MSVOA_U

ClientSampleId :

COHL2

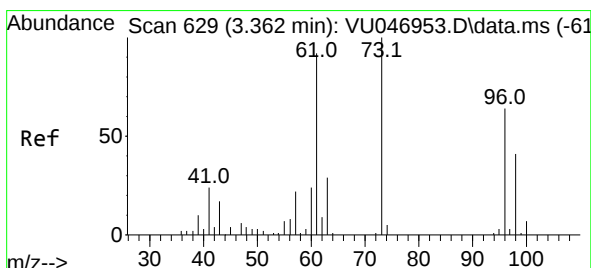
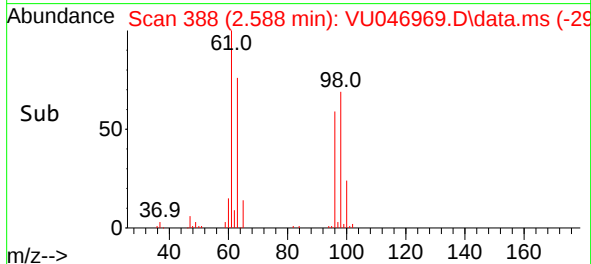
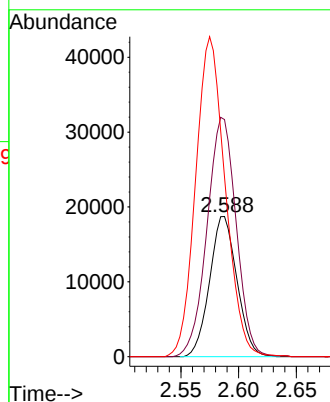
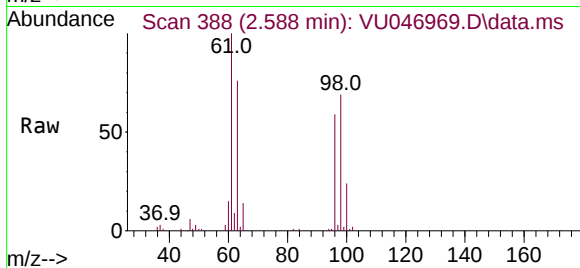
Tgt Ion: 96 Resp: 30827

Ion Ratio Lower Upper

96 100

61 169.1 124.7 231.5

63 128.0 105.2 195.4



#18

trans-1,2-Dichloroethene

Concen: 0.145 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

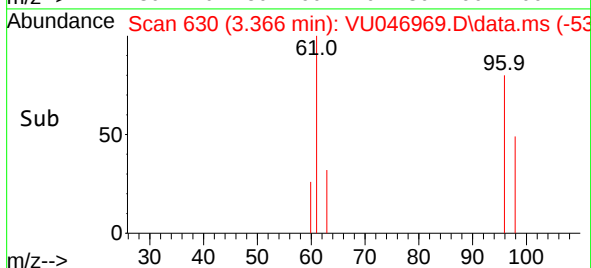
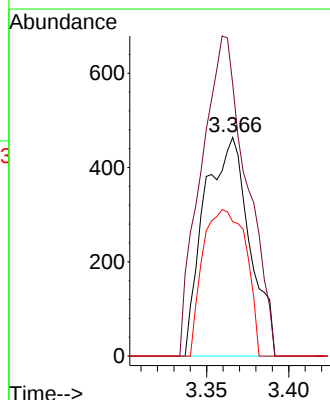
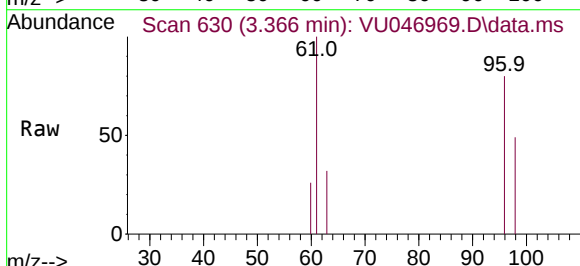
Tgt Ion: 96 Resp: 889

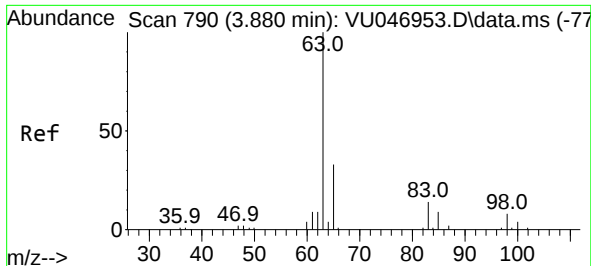
Ion Ratio Lower Upper

96 100

61 124.6 100.8 187.2

98 61.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 1.376 ug/L

RT: 3.880 min Scan# 790

Delta R.T. 0.000 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

Instrument :

MSVOA_U

ClientSampleId :

COHL2

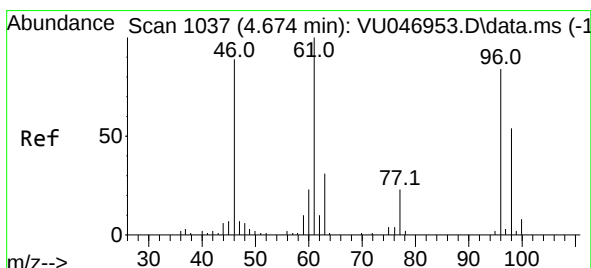
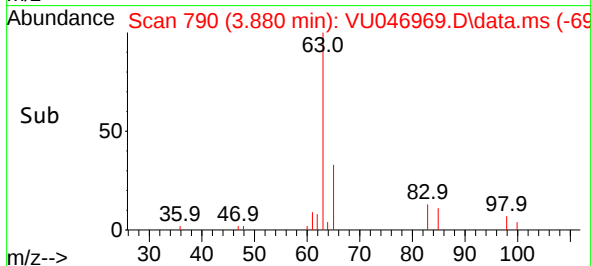
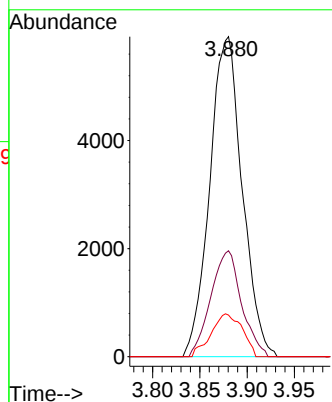
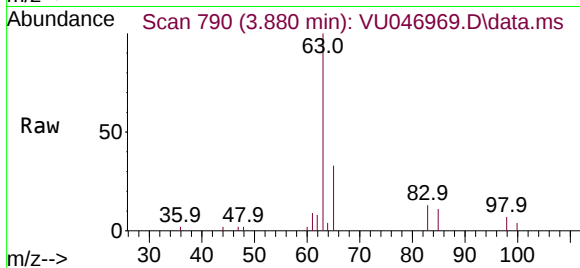
Tgt Ion: 63 Resp: 14132

Ion Ratio Lower Upper

63 100

65 33.1 22.3 41.5

83 13.0 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 33.349 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

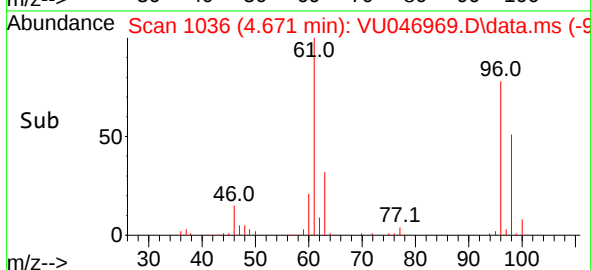
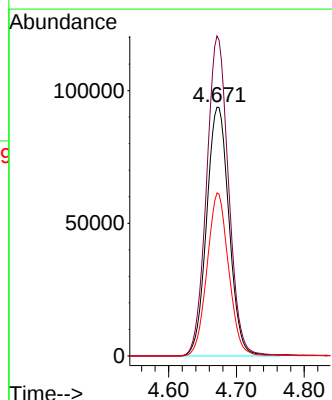
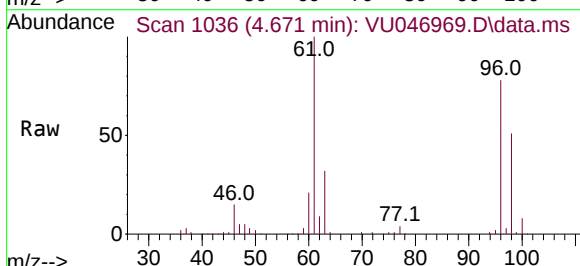
Tgt Ion: 96 Resp: 215286

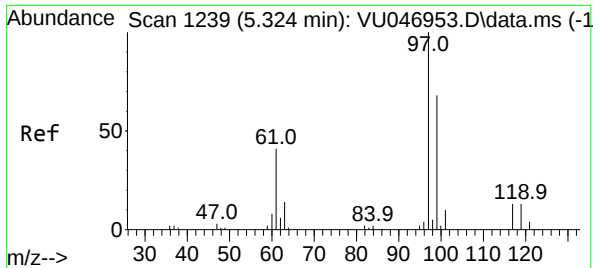
Ion Ratio Lower Upper

96 100

61 128.6 88.5 164.3

98 65.5 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 1.950 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

Instrument :

MSVOA_U

ClientSampleId :

COHL2

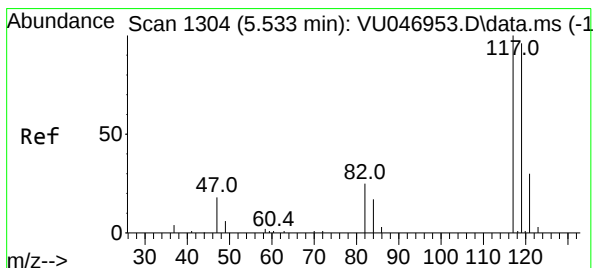
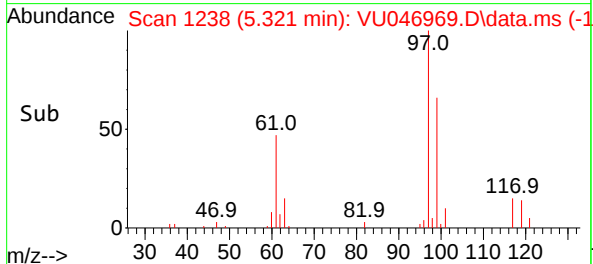
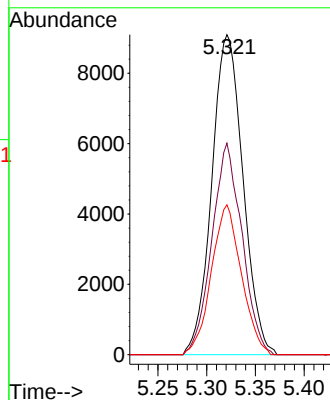
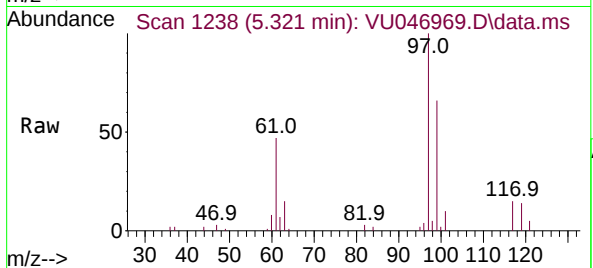
Tgt Ion: 97 Resp: 20262

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 45.1 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.280 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.212 min

Lab File: VU046969.D

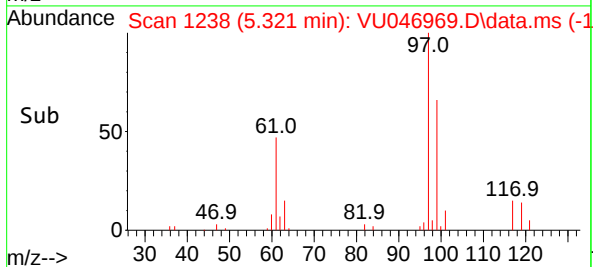
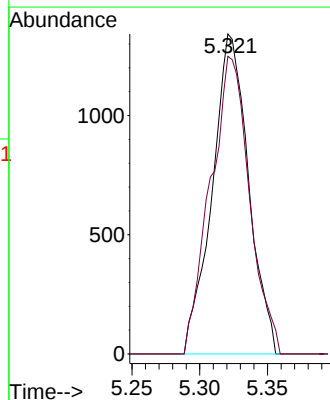
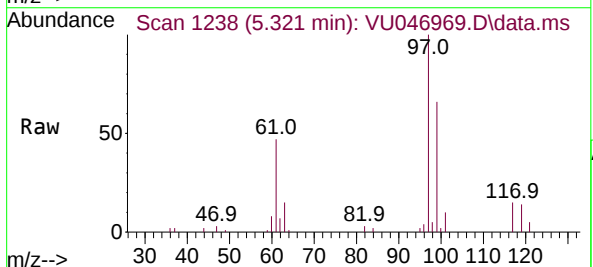
Acq: 01 Feb 2022 17:28

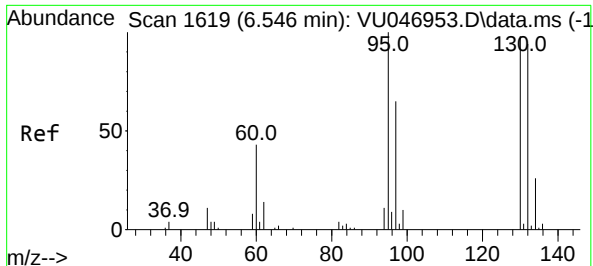
Tgt Ion: 117 Resp: 2499

Ion Ratio Lower Upper

117 100

119 100.1 77.5 116.3

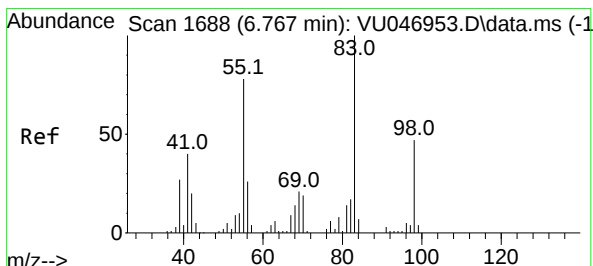
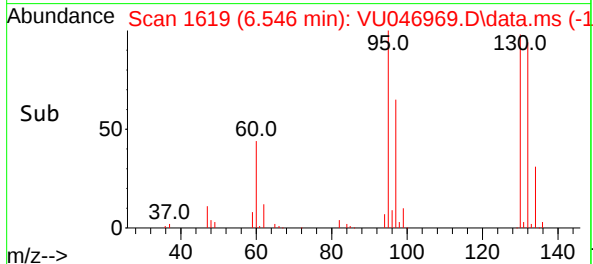
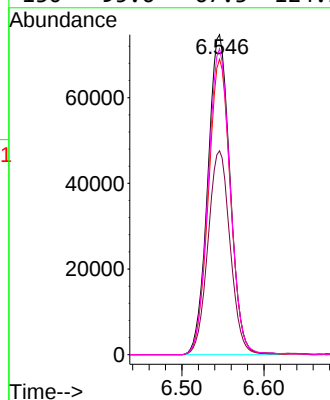
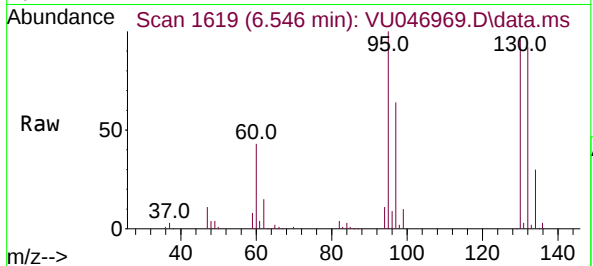




#34
Trichloroethene
Concen: 19.922 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046969.D
Acq: 01 Feb 2022 17:28

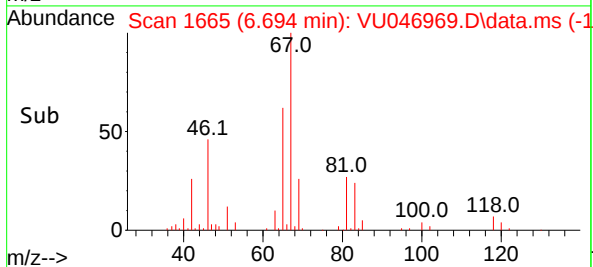
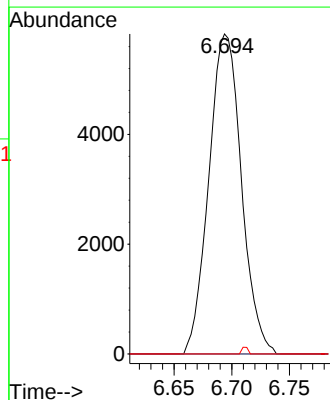
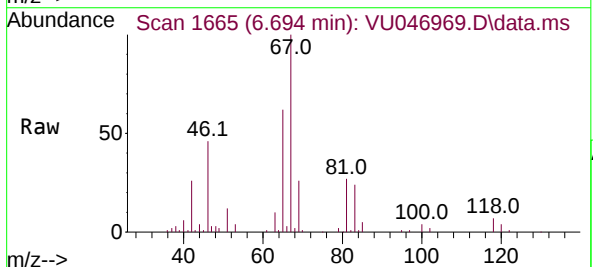
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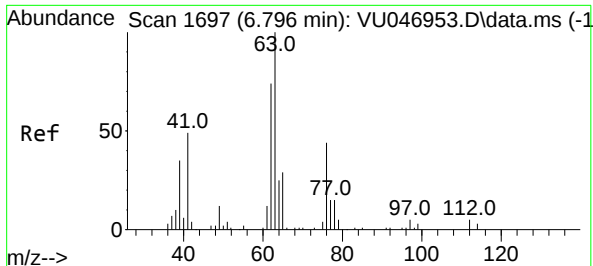
Tgt Ion: 95 Resp: 140511
Ion Ratio Lower Upper
95 100
97 63.7 46.5 86.5
132 92.4 65.1 120.9
130 95.6 67.3 124.9



#35
Methylcyclohexane
Concen: 0.969 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046969.D
Acq: 01 Feb 2022 17:28

Tgt Ion: 83 Resp: 11448
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: 0.709 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

Instrument :

MSVOA_U

ClientSampleId :

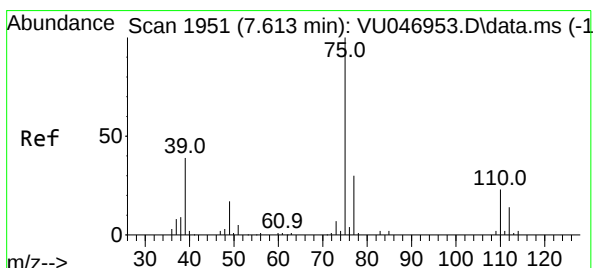
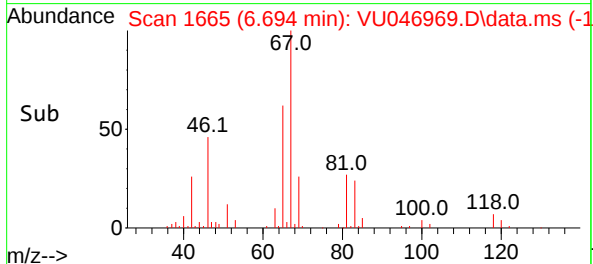
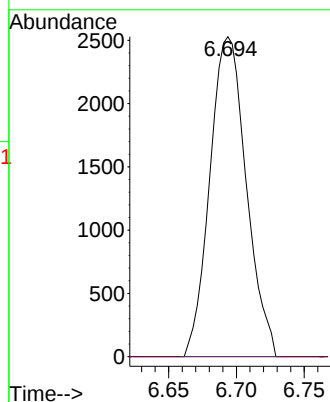
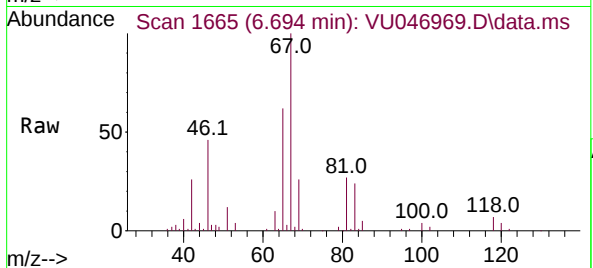
COHL2

Tgt Ion: 63 Resp: 4725

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.045 min

Lab File: VU046969.D

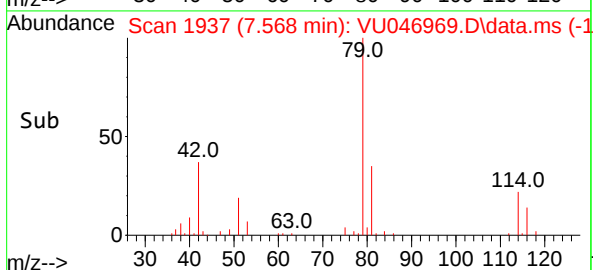
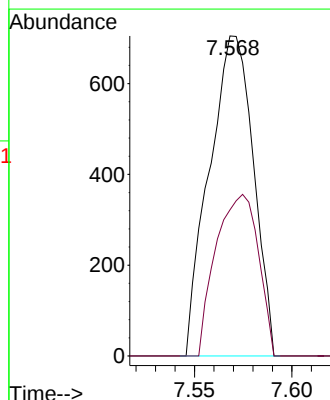
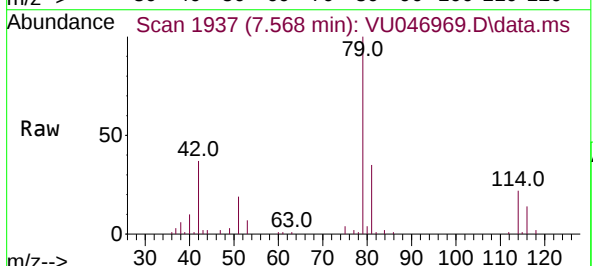
Acq: 01 Feb 2022 17:28

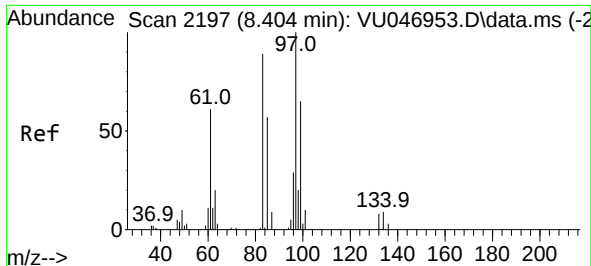
Tgt Ion: 75 Resp: 1110

Ion Ratio Lower Upper

75 100

77 45.7 22.5 41.9#

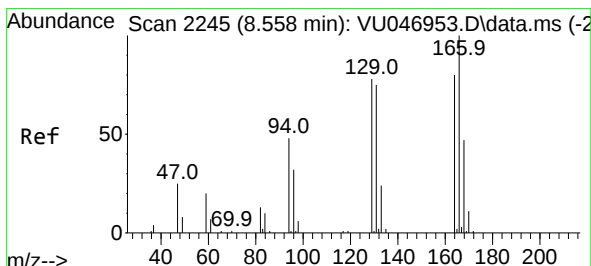
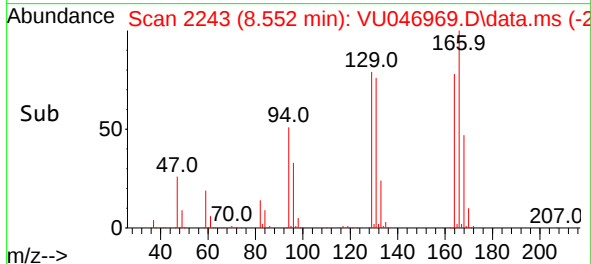
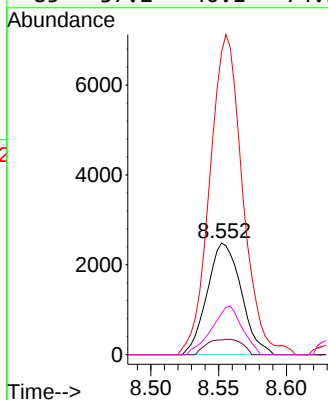
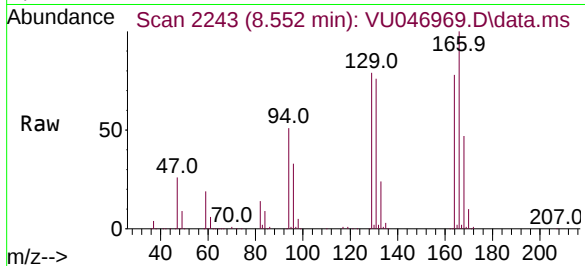




#45
1,1,2-Trichloroethane
Concen: 0.767 ug/L
RT: 8.552 min Scan# 2197
Delta R.T. 0.148 min
Lab File: VU046969.D
Acq: 01 Feb 2022 17:28

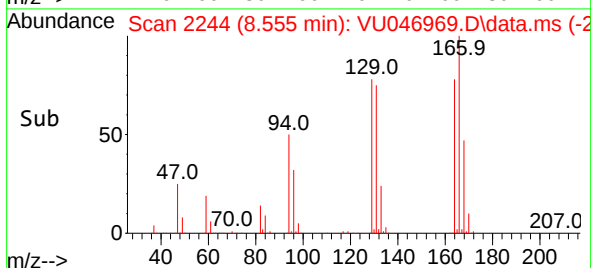
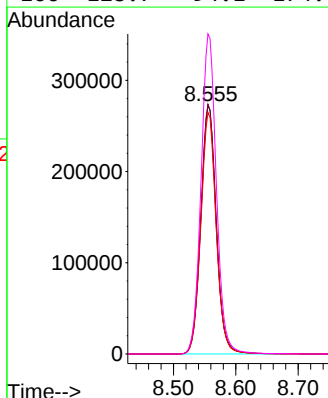
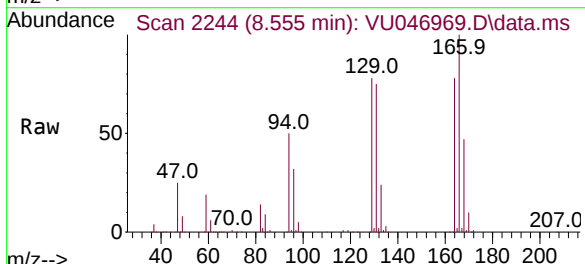
Instrument :
MSVOA_U
ClientSampleId :
COHL2

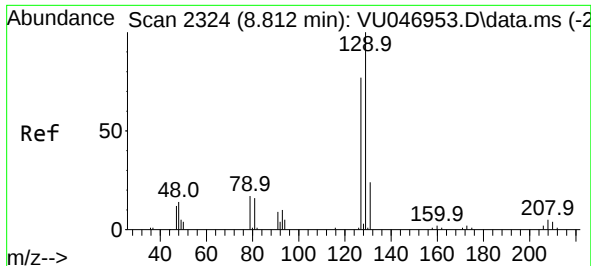
Tgt Ion:	97	Resp:	4351
Ion	Ratio	Lower	Upper
97	100		
99	13.2	42.3	78.5#
83	270.9	62.0	115.2#
85	37.2	40.1	74.5#



#47
Tetrachloroethene
Concen: 82.224 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046969.D
Acq: 01 Feb 2022 17:28

Tgt Ion:	164	Resp:	471656
Ion	Ratio	Lower	Upper
164	100		
129	100.5	71.8	133.4
131	97.2	68.5	127.3
166	128.7	94.1	174.8





#49

Dibromochloromethane

Concen: 70.499 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

Instrument :

MSVOA_U

ClientSampleId :

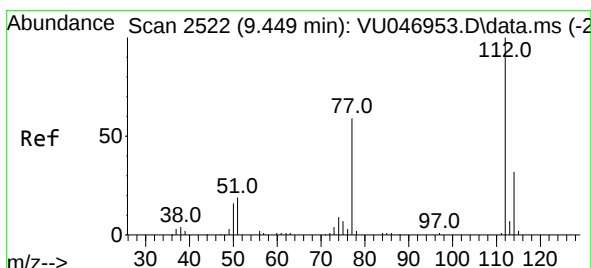
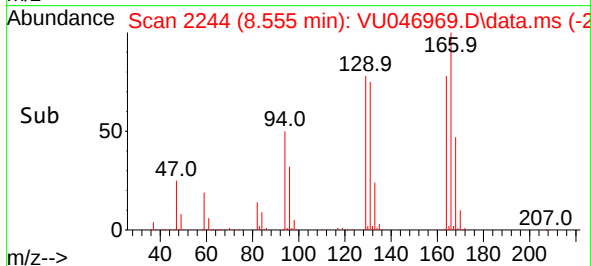
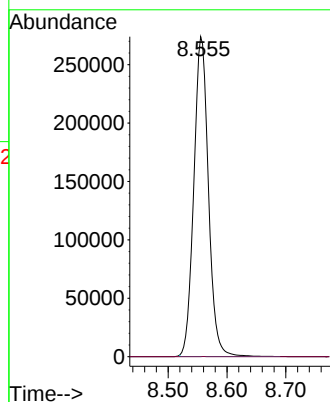
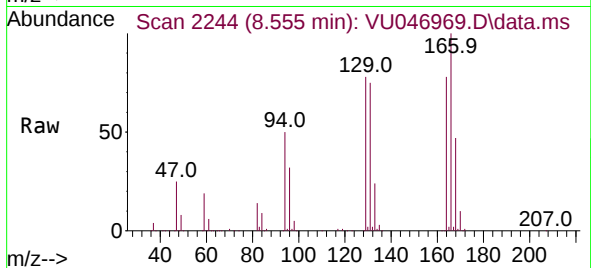
COHL2

Tgt Ion:129 Resp: 471479

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#51

Chlorobenzene

Concen: 0.342 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU046969.D

Acq: 01 Feb 2022 17:28

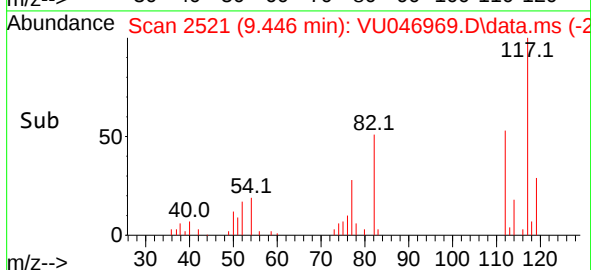
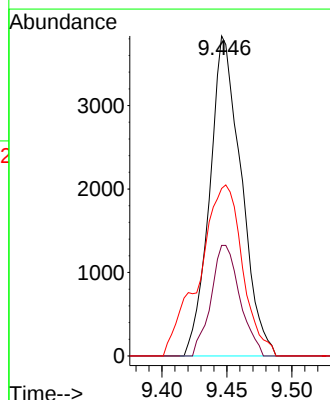
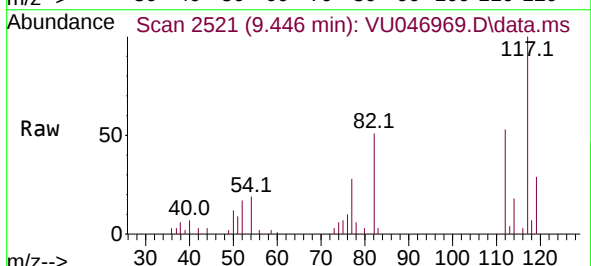
Tgt Ion:112 Resp: 6457

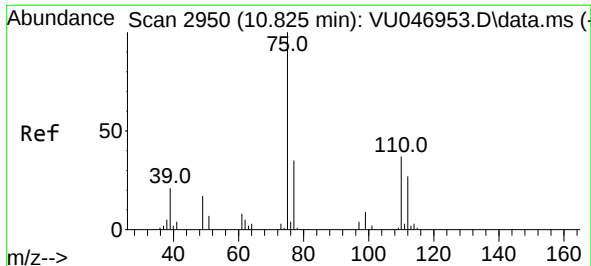
Ion Ratio Lower Upper

112 100

114 34.6 22.1 41.1

77 52.4 48.3 72.5

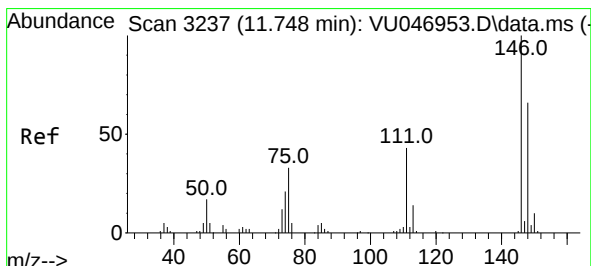
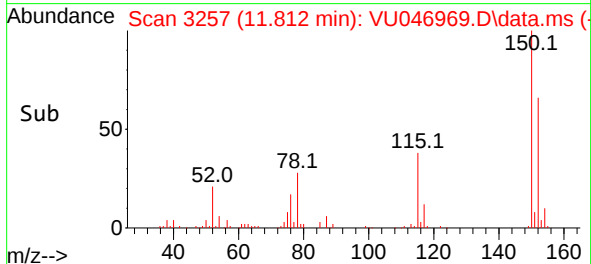
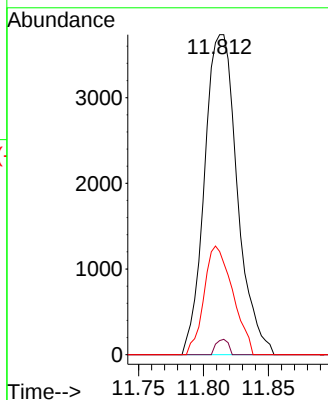
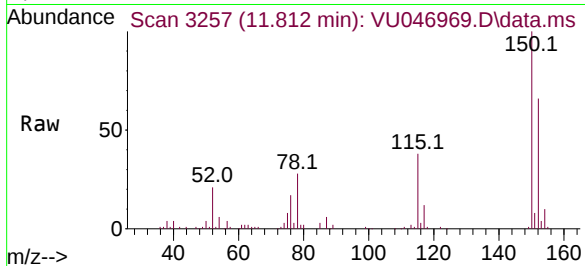




#61
1,2,3-Trichloropropane
Concen: 1.585 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU046969.D
Acq: 01 Feb 2022 17:28

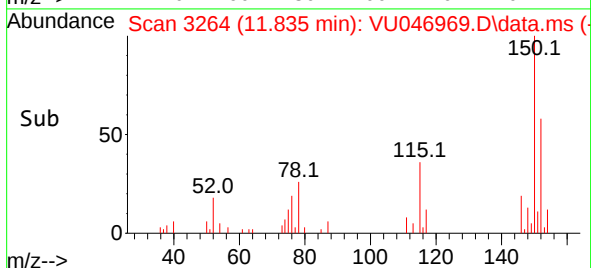
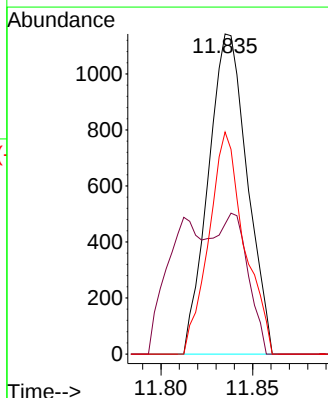
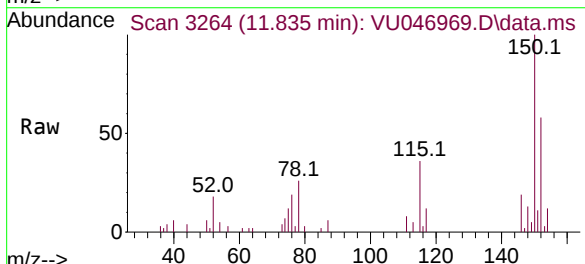
Instrument :
MSVOA_U
ClientSampleId :
COHL2

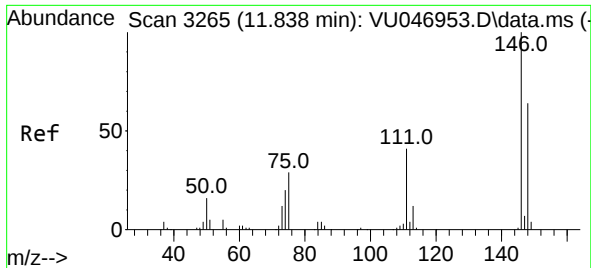
Tgt Ion: 75 Resp: 6553
Ion Ratio Lower Upper
75 100
110 1.8 29.9 44.9#
77 29.8 25.5 38.3



#64
1,3-Dichlorobenzene
Concen: 0.149 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.087 min
Lab File: VU046969.D
Acq: 01 Feb 2022 17:28

Tgt Ion: 146 Resp: 1690
Ion Ratio Lower Upper
146 100
111 40.6 29.9 55.5
148 69.4 44.3 82.3





#65
 1,4-Dichlorobenzene
 Concen: 0.148 ug/L
 RT: 11.835 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046969.D
 Acq: 01 Feb 2022 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 COHL2

Tgt Ion:146 Resp: 1690
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.7 53.3
 148 69.4 45.8 85.0

