

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072822\
 Data File : VU049987.D
 Acq On : 28 Jul 2022 15:57
 Operator : SY/MD
 Sample : N3922-01DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54DL

Quant Time: Jul 29 02:37:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 02:27:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	91710	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	91094	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	37141	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	36425	4.626	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.600%
7) Chloroethane-d5	1.912	69	28204	4.987	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.562	65	14044	5.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.400%
20) 2-Butanone-d5	4.655	46	83424	47.594	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.180%
24) Chloroform-d	5.063	84	64988	4.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.706	65	33467	5.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.726	84	127574	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.693	67	43729	4.959	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.896	98	103612	4.331	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.182	79	15184	4.913	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.642	63	56678	48.987	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.980%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	38941	5.256	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	35374	5.135	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	28300	3.998	ug/L	100
5) Vinyl chloride	1.600	62	63107	8.006	ug/L	98
12) 1,1-Dichloroethene	2.575	96	13922	2.751	ug/L #	57
16) Methylene chloride	3.041	84	6969	0.895	ug/L	98
18) trans-1,2-Dichloroethene	3.346	96	7567	1.360	ug/L	94
19) 1,1-Dichloroethane	3.861	63	10798	0.946	ug/L	96
25) Chloroform	5.089	83	42866	3.352	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	10856	1.122	ug/L	97
34) Trichloroethene	6.539	95	11567	1.790	ug/L	98
37) 1,2-Dichloropropane	6.793	63	32544	4.441	ug/L	99
38) Bromodichloromethane	7.108	83	15079	1.701	ug/L	95
47) Tetrachloroethene	8.552	164	10433	2.243	ug/L	94
49) Dibromochloromethane	8.812	129	35050	5.851	ug/L	96
50) 1,2-Dibromoethane	8.925	107	17927	3.688	ug/L	95
51) Chlorobenzene	9.446	112	176790	10.302	ug/L	99
59) Bromoform	10.291	173	29505	9.883	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	45367	4.364	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	5547	6.510	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 29 02:27:55 2022
Response via : Initial Calibration

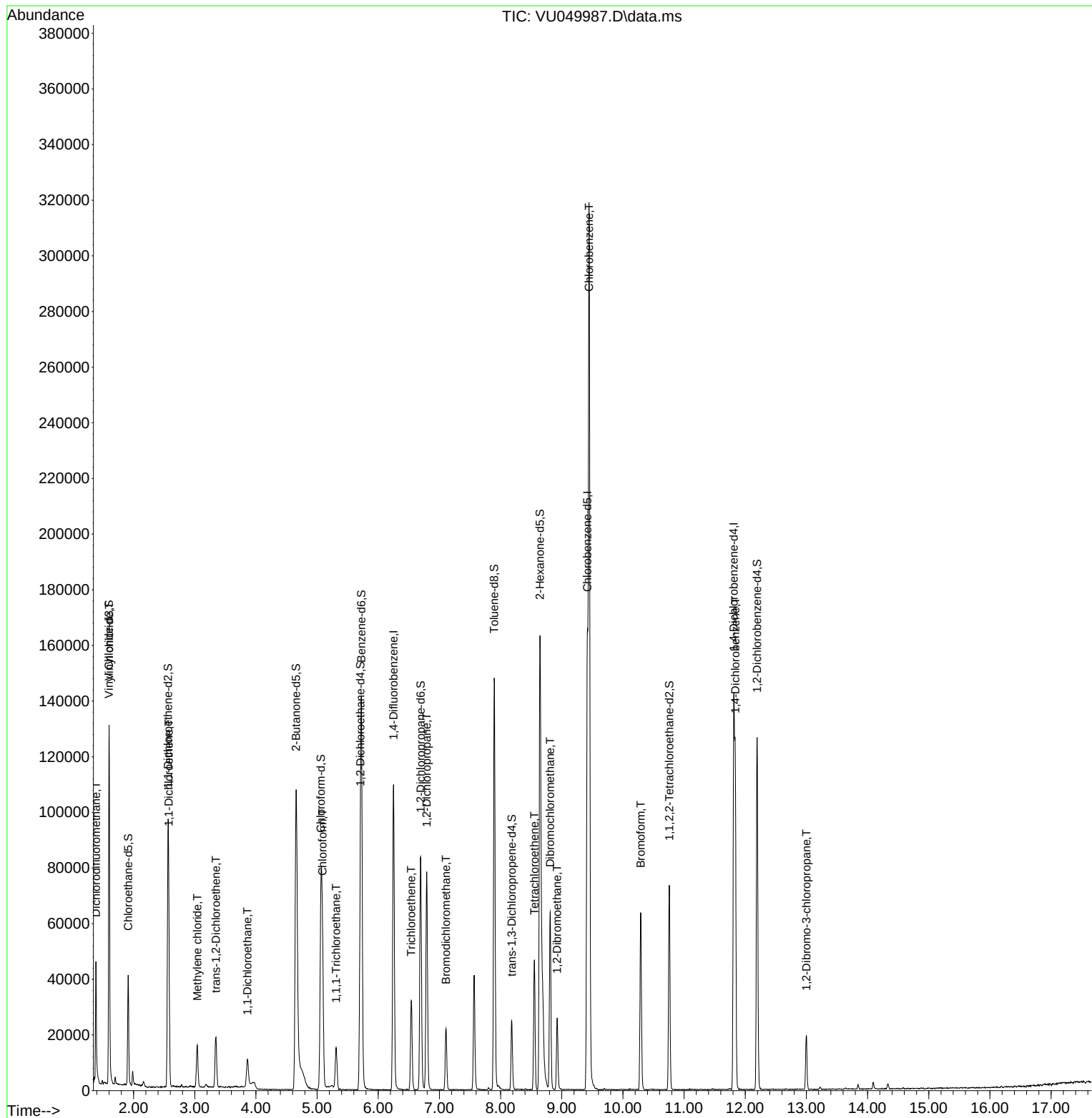
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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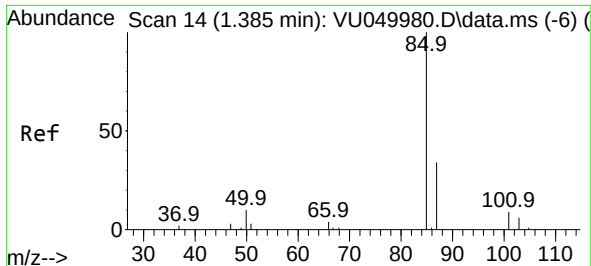
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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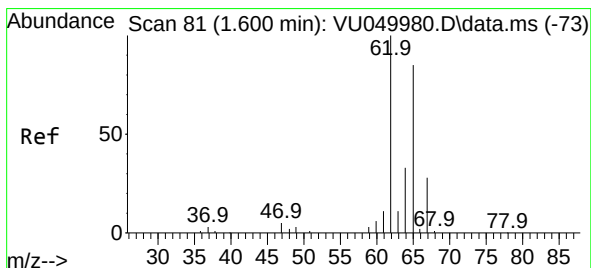
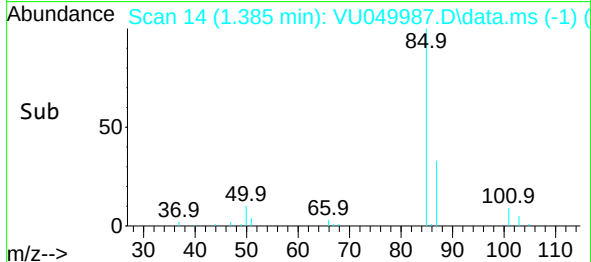
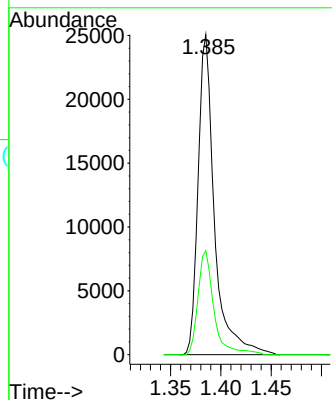
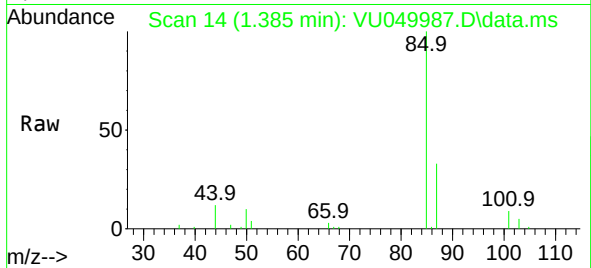




#2
Dichlorodifluoromethane
Concen: 3.998 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

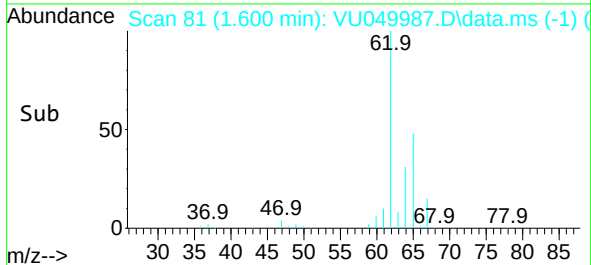
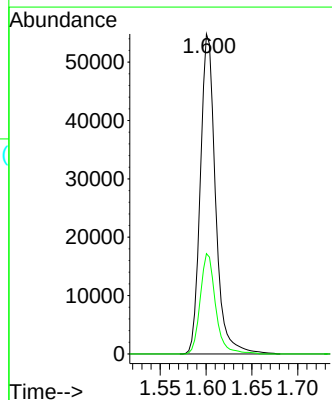
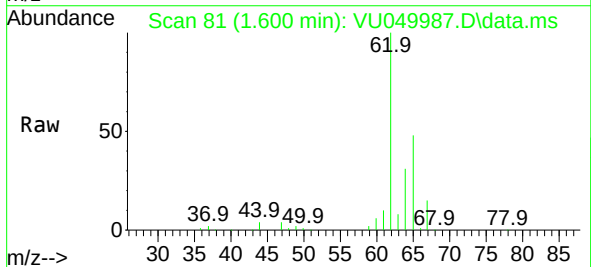
Instrument :
MSVOA_U
ClientSampleId :
C0C54DL

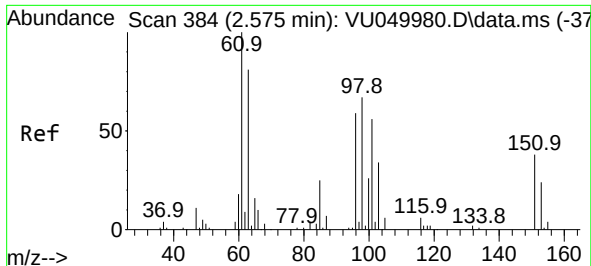
Tgt Ion: 85 Resp: 28300
Ion Ratio Lower Upper
85 100
87 31.8 25.7 38.5



#5
Vinyl chloride
Concen: 8.006 ug/L
RT: 1.600 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

Tgt Ion: 62 Resp: 63107
Ion Ratio Lower Upper
62 100
64 31.4 22.5 41.9





#12

1,1-Dichloroethene

Concen: 2.751 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049987.D

Acq: 28 Jul 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

C0C54DL

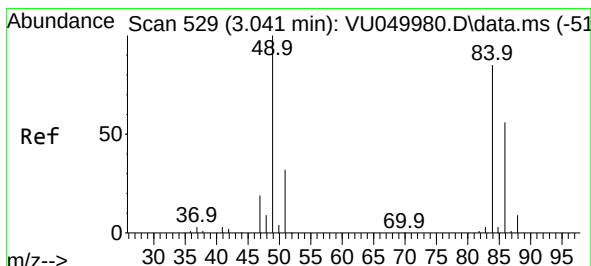
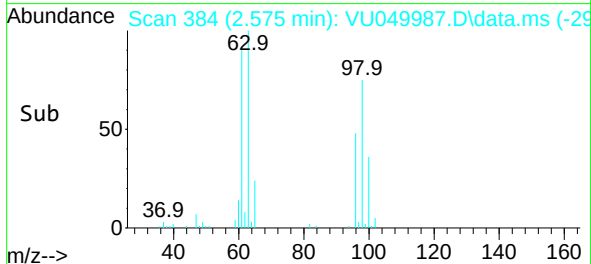
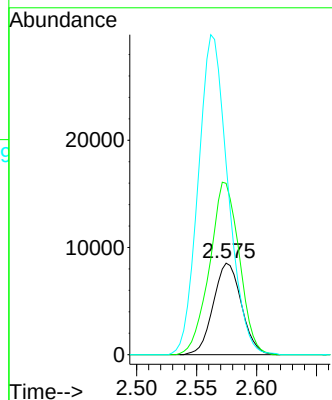
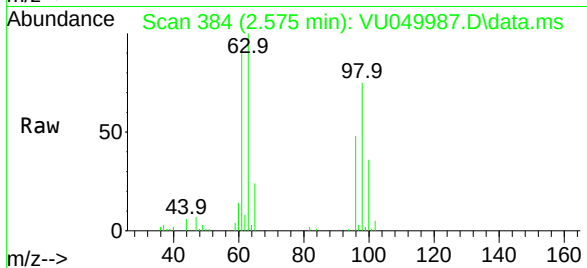
Tgt Ion: 96 Resp: 13922

Ion Ratio Lower Upper

96 100

61 187.2 115.7 214.9

63 209.0 84.8 157.4#



#16

Methylene chloride

Concen: 0.895 ug/L

RT: 3.041 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU049987.D

Acq: 28 Jul 2022 15:57

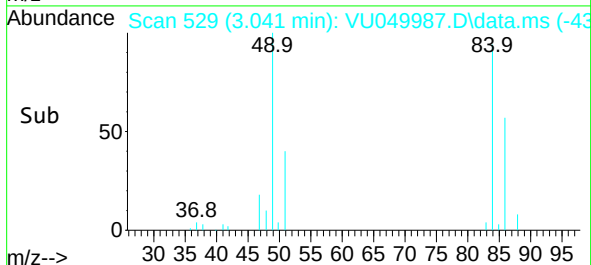
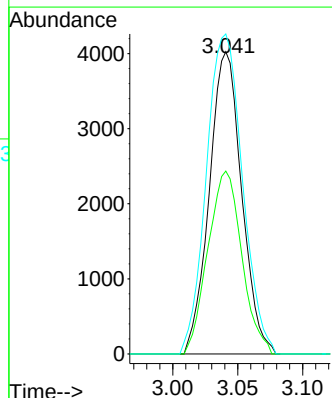
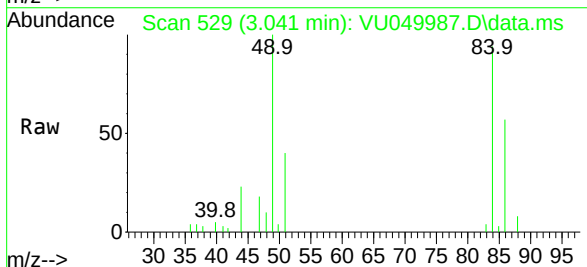
Tgt Ion: 84 Resp: 6969

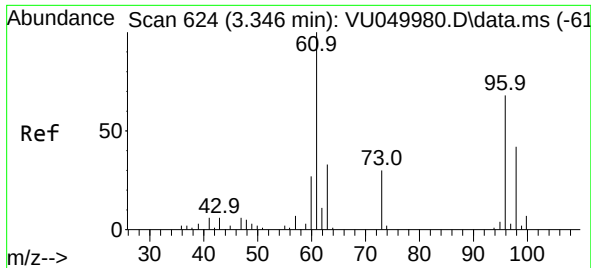
Ion Ratio Lower Upper

84 100

86 60.5 45.2 84.0

49 110.5 77.6 144.0

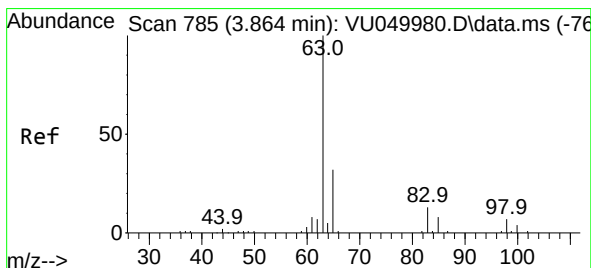
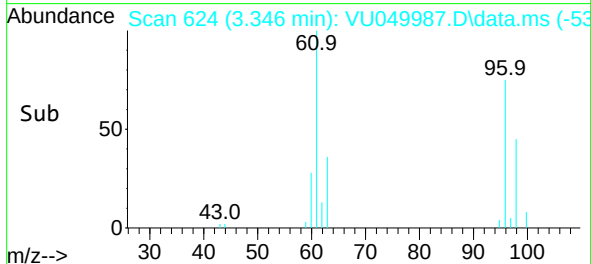
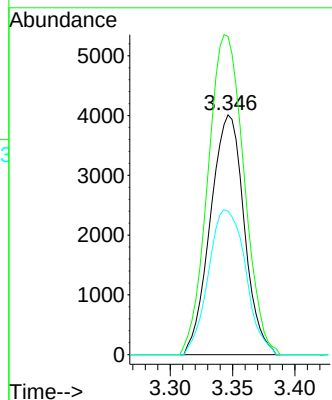
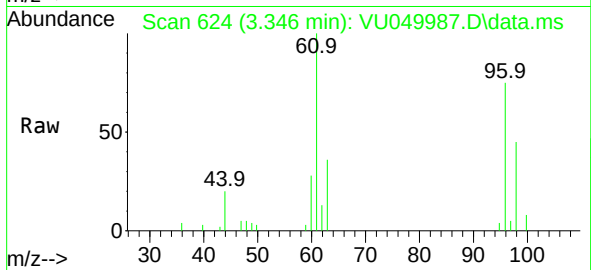




#18
trans-1,2-Dichloroethene
Concen: 1.360 ug/L
RT: 3.346 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

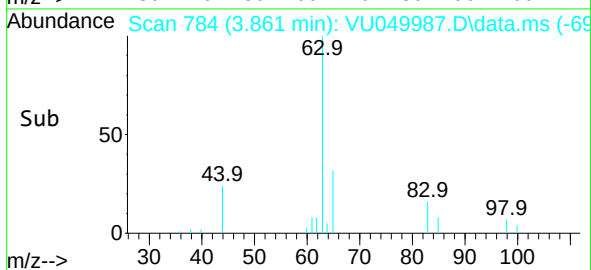
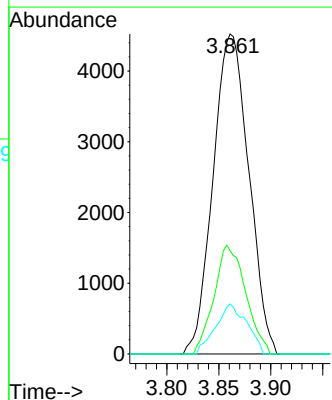
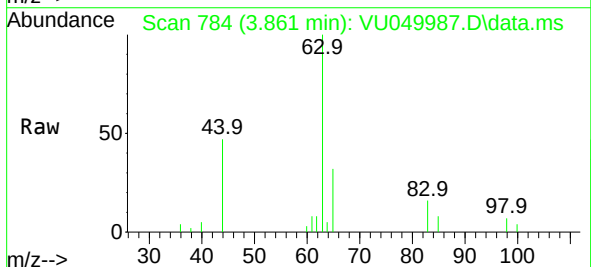
Instrument :
MSVOA_U
ClientSampleId :
C0C54DL

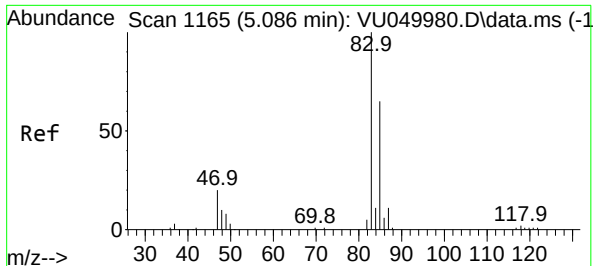
Tgt Ion: 96 Resp: 7567
Ion Ratio Lower Upper
96 100
61 132.7 98.0 182.0
98 59.9 44.5 82.7



#19
1,1-Dichloroethane
Concen: 0.946 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.003 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

Tgt Ion: 63 Resp: 10798
Ion Ratio Lower Upper
63 100
65 30.8 23.4 43.6
83 14.9 9.4 17.4





#25

Chloroform

Concen: 3.352 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049987.D

Acq: 28 Jul 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

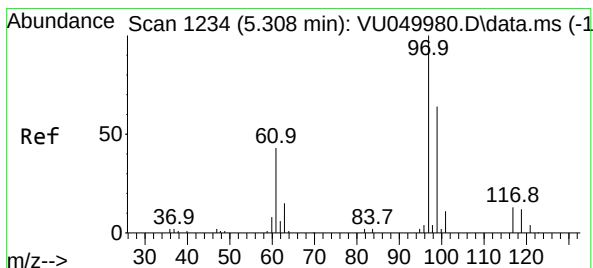
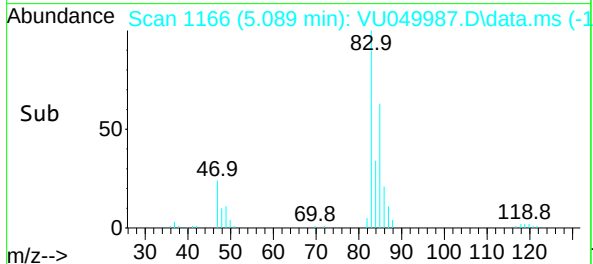
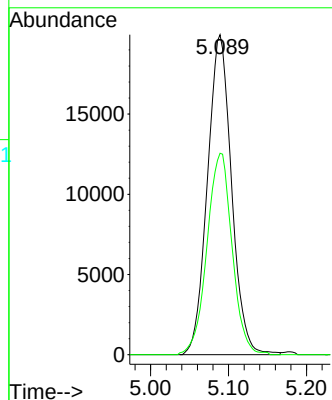
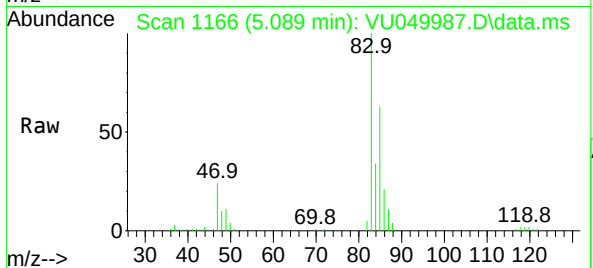
C0C54DL

Tgt Ion: 83 Resp: 42866

Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.4



#29

1,1,1-Trichloroethane

Concen: 1.122 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU049987.D

Acq: 28 Jul 2022 15:57

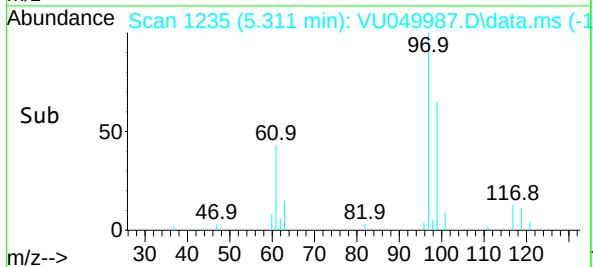
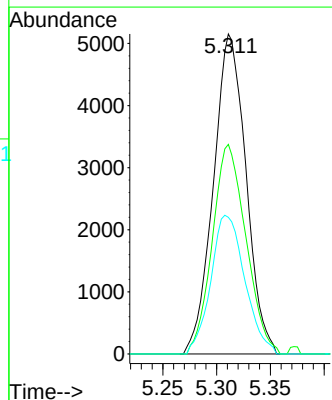
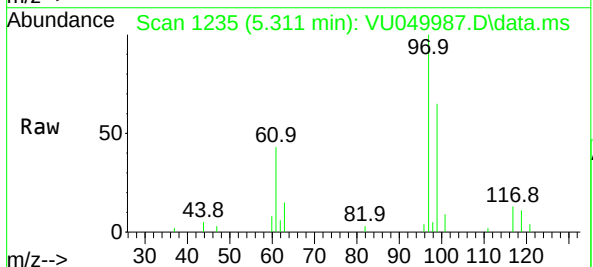
Tgt Ion: 97 Resp: 10856

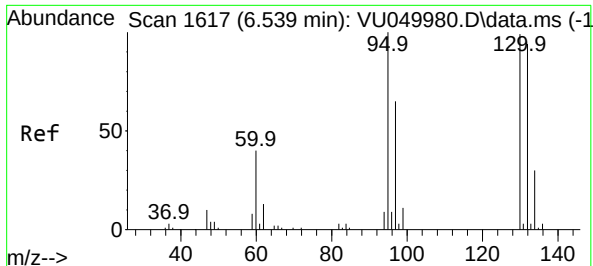
Ion Ratio Lower Upper

97 100

99 67.5 52.0 78.0

61 45.2 35.0 52.6

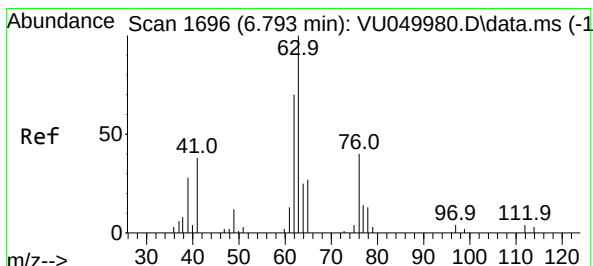
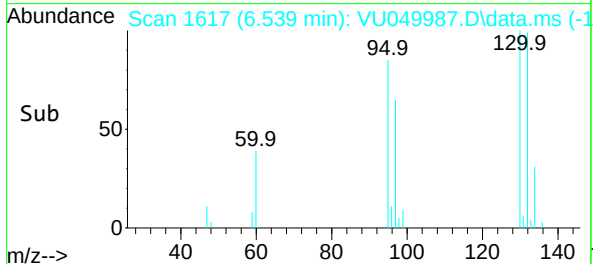
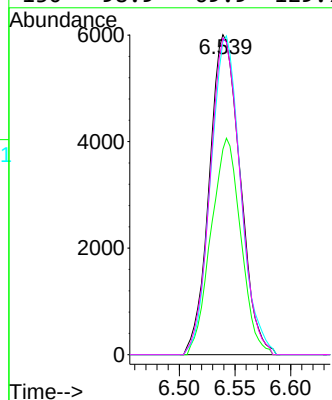
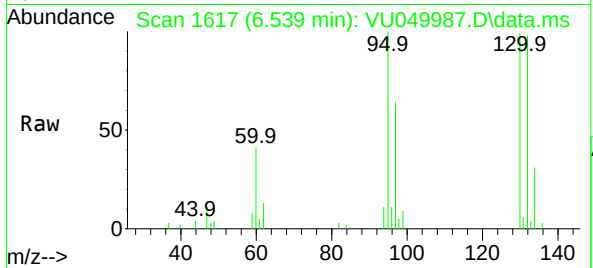




#34
Trichloroethene
Concen: 1.790 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

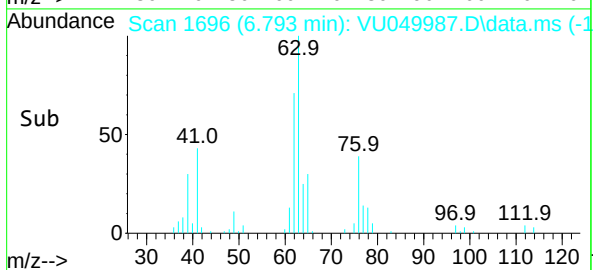
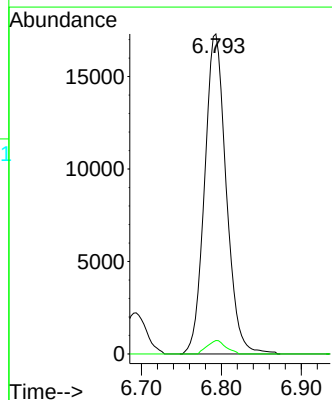
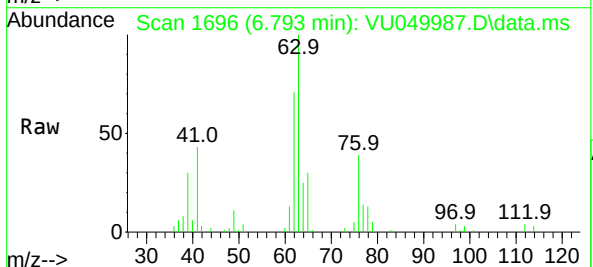
Instrument :
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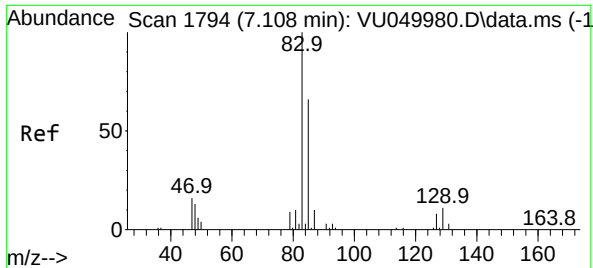
Tgt Ion: 95 Resp: 11567
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.8
132 97.9 66.8 124.2
130 98.9 69.9 129.7



#37
1,2-Dichloropropane
Concen: 4.441 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

Tgt Ion: 63 Resp: 32544
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6

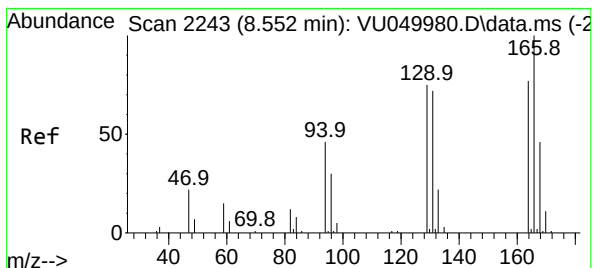
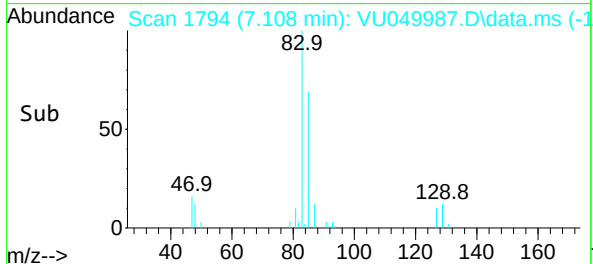
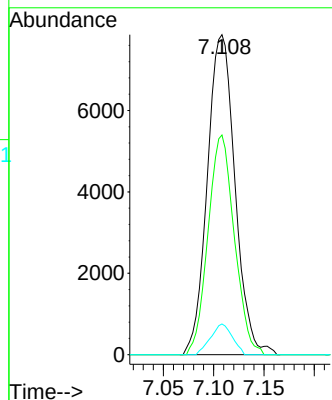
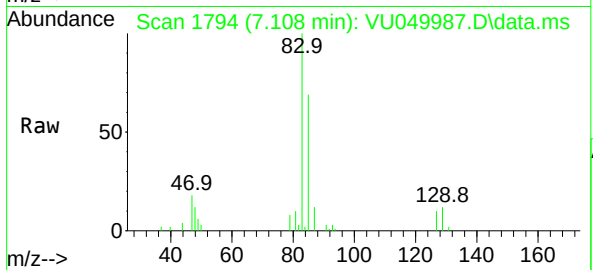




#38
Bromodichloromethane
Concen: 1.701 ug/L
RT: 7.108 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

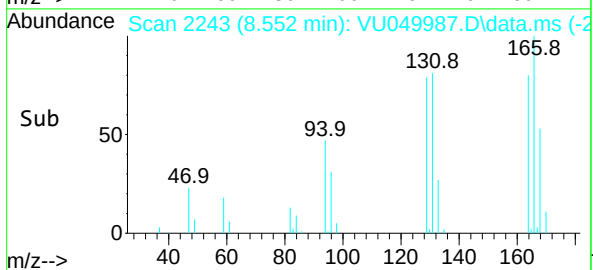
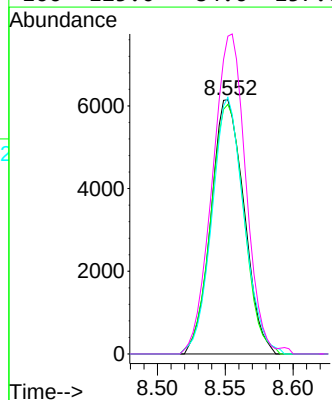
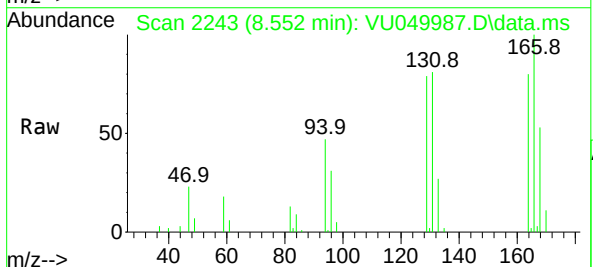
Instrument :
MSVOA_U
ClientSampleId :
C0C54DL

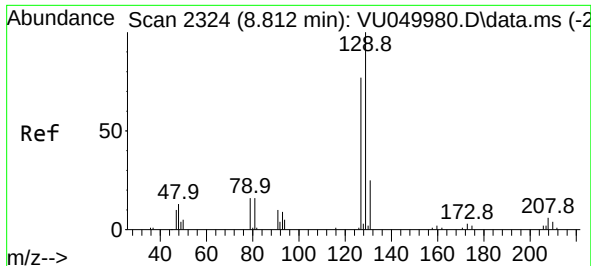
Tgt Ion: 83 Resp: 15079
Ion Ratio Lower Upper
83 100
85 68.7 44.9 83.5
127 9.6 7.2 10.8



#47
Tetrachloroethene
Concen: 2.243 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

Tgt Ion:164 Resp: 10433
Ion Ratio Lower Upper
164 100
129 98.2 66.3 123.1
131 100.9 63.1 117.1
166 125.0 84.6 157.0





#49

Dibromochloromethane

Concen: 5.851 ug/L

RT: 8.812 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049987.D

Acq: 28 Jul 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

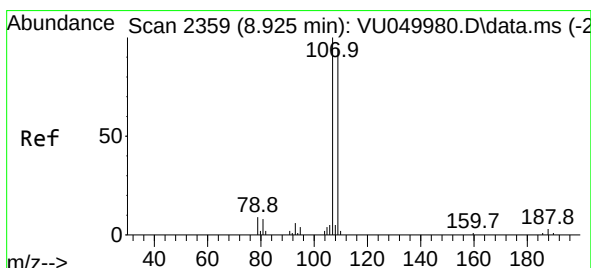
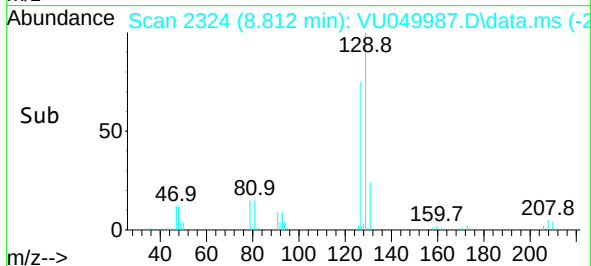
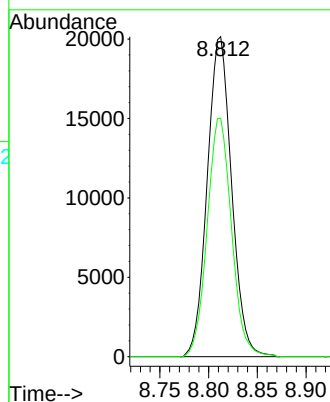
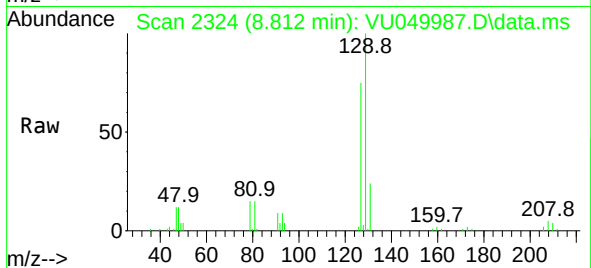
C0C54DL

Tgt Ion:129 Resp: 35050

Ion Ratio Lower Upper

129 100

127 74.5 54.5 101.1



#50

1,2-Dibromoethane

Concen: 3.688 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. 0.000 min

Lab File: VU049987.D

Acq: 28 Jul 2022 15:57

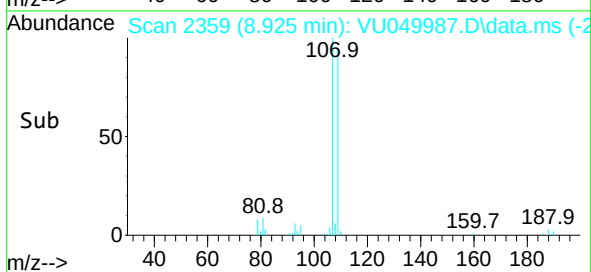
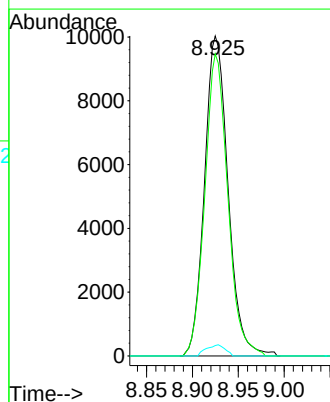
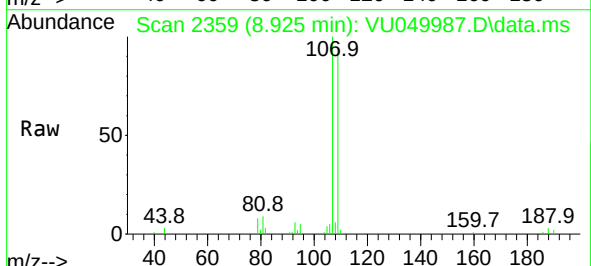
Tgt Ion:107 Resp: 17927

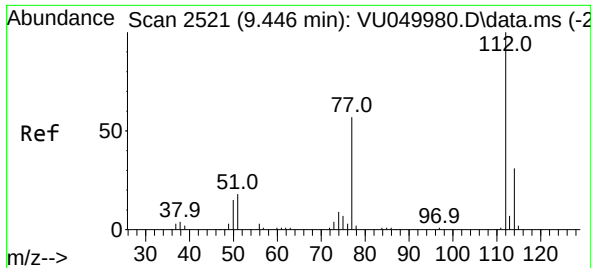
Ion Ratio Lower Upper

107 100

109 94.4 62.7 116.5

188 3.3 2.4 3.6

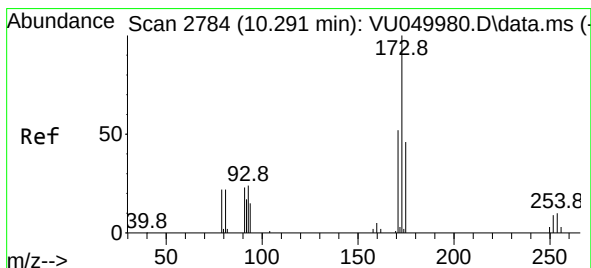
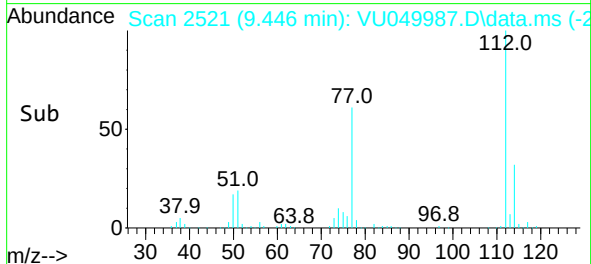
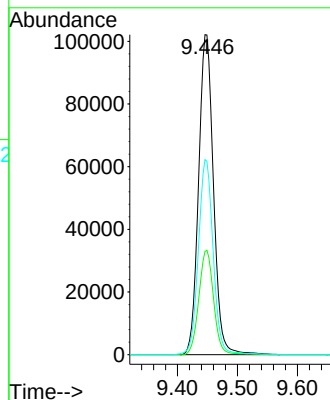
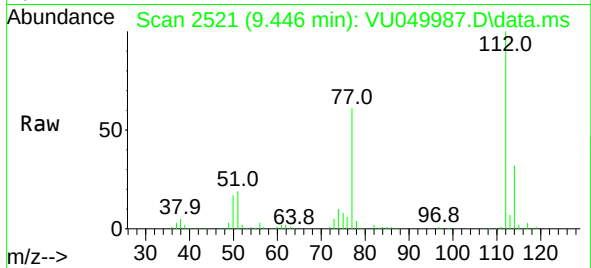




#51
Chlorobenzene
Concen: 10.302 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

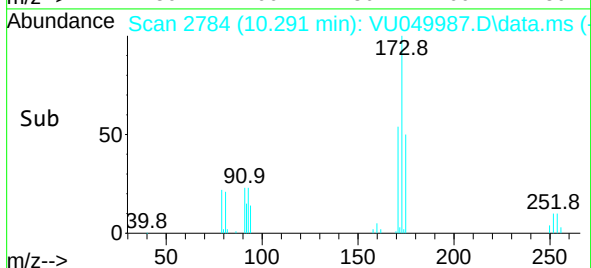
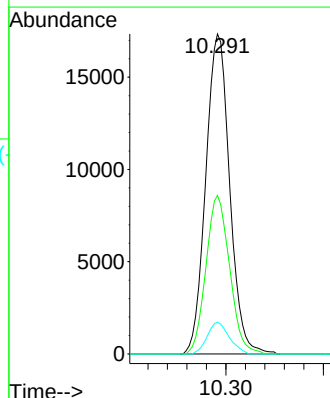
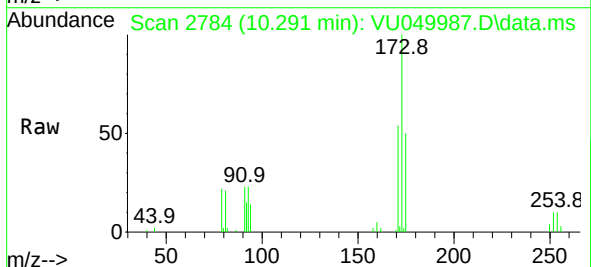
Instrument :
MSVOA_U
ClientSampleId :
C0C54DL

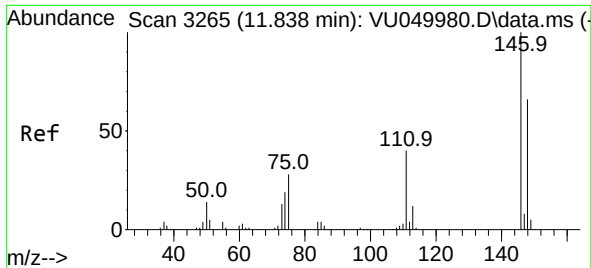
Tgt Ion:112 Resp: 176790
Ion Ratio Lower Upper
112 100
114 32.3 22.4 41.6
77 61.0 48.2 72.4



#59
Bromoform
Concen: 9.883 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU049987.D
Acq: 28 Jul 2022 15:57

Tgt Ion:173 Resp: 29505
Ion Ratio Lower Upper
173 100
175 48.9 39.1 58.7
254 9.1 7.5 11.3

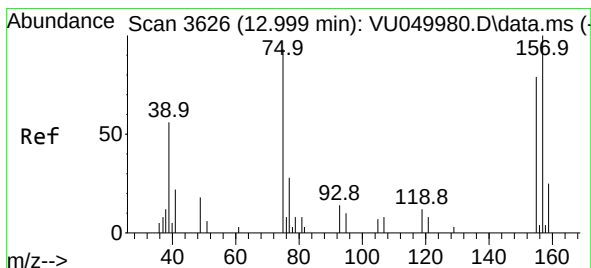
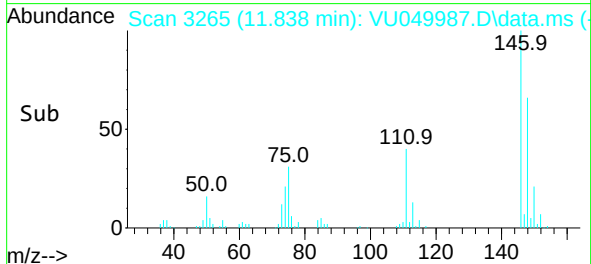
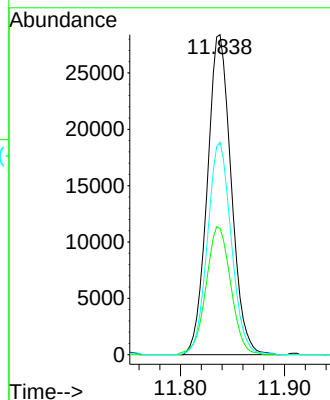
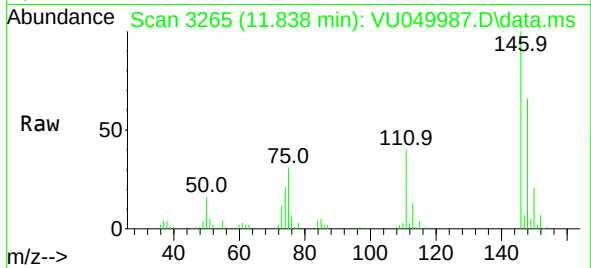




#65
 1,4-Dichlorobenzene
 Concen: 4.364 ug/L
 RT: 11.838 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049987.D
 Acq: 28 Jul 2022 15:57

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54DL

Tgt Ion:	146	Resp:	45367
Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.4	49.0
148	66.4	44.3	82.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 6.510 ug/L
 RT: 12.999 min Scan# 3626
 Delta R.T. 0.000 min
 Lab File: VU049987.D
 Acq: 28 Jul 2022 15:57

Tgt Ion:	75	Resp:	5547
Ion	Ratio	Lower	Upper
75	100		
155	71.2	59.4	89.0
157	99.9	73.8	110.6

