

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072722\
 Data File : U049960.D
 Acq On : 27 Jul 2022 21:04
 Operator : SY/MD
 Sample : N3879-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBUN9

Quant Time: Jul 28 03:49:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 28 03:41:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	98896	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	97920	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43727	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	45466	5.355	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 107.000%	
7) Chloroethane-d5	1.912	69	35709	5.855	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 117.000%	
11) 1,1-Dichloroethene-d2	2.562	65	16913	5.779	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 115.600%	
20) 2-Butanone-d5	4.639	46	95487	50.517	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	= 101.040%	
24) Chloroform-d	5.063	84	74036	5.269	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 105.400%	
26) 1,2-Dichloroethane-d4	5.703	65	38863	5.489	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 109.800%	
32) Benzene-d6	5.726	84	155940	5.389	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.800%	
36) 1,2-Dichloropropane-d6	6.690	67	51868	5.472	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 109.400%	
41) Toluene-d8	7.896	98	127766	4.968	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 99.400%	
43) trans-1,3-Dichloroprop...	8.179	79	17454	5.254	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 105.000%	
46) 2-Hexanone-d5	8.639	63	66129	53.172	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 106.340%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	46031	5.779	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 115.600%	
66) 1,2-Dichlorobenzene-d4	12.192	152	45036	5.553	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 111.000%	
Target Compounds						
					Qvalue	
8) Chloroethane	1.932	64	15726	3.263	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	433	0.073	ug/L #	21
15) Methyl Acetate	2.957	43	62766	22.771	ug/L	98
27) 1,2-Dichloroethane	5.729	62	763	0.099	ug/L #	73
29) 1,1,1-Trichloroethane	5.314	97	48378	4.653	ug/L	100
31) Carbon tetrachloride	5.314	117	6793	0.804	ug/L	96
34) Trichloroethene	6.542	95	11691	1.683	ug/L	97
35) Methylcyclohexane	6.694	83	11575	1.263	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	5060	0.642	ug/L #	88
38) Bromodichloromethane	7.105	83	88832	9.322	ug/L	98
39) cis-1,3-Dichloropropene	7.565	75	1116	0.109	ug/L #	60
47) Tetrachloroethene	8.552	164	1336	0.267	ug/L	97
48) 2-Hexanone	8.687	43	51168	14.750	ug/L	95
50) 1,2-Dibromoethane	8.925	107	63704	12.190	ug/L	95
52) Ethylbenzene	9.571	91	356130	12.510	ug/L	99
53) m,p-Xylene	9.690	106	22252	2.053	ug/L	100
54) o-Xylene	10.115	106	1597	0.152	ug/L #	33
55) Styrene	10.115	104	331167	18.500	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	116905	15.261	ug/L	98

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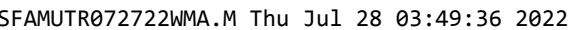
Instrument :
 MSVOA_U
 ClientSampleId :
 DBUN9

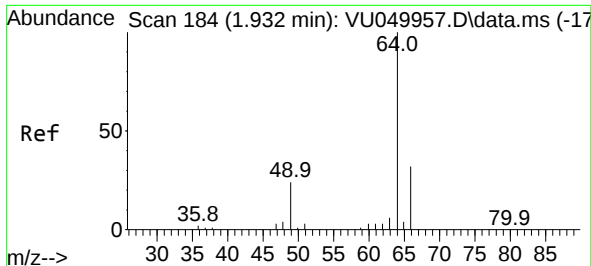
Quant Time: Jul 28 03:49:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 28 03:41:29 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.986	75	9478	1.866	ug/L #	42
65) 1,4-Dichlorobenzene	11.835	146	1605	0.131	ug/L	91
67) 1,2-Dichlorobenzene	12.211	146	3122	0.254	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	13.224	75	242	0.241	ug/L #	7
69) 1,3,5-Trichlorobenzene	13.224	180	2044	0.229	ug/L	96
72) 1,2,3-Trichlorobenzene	14.330	180	6066	0.859	ug/L	97

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

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Response via : Initial Calibration

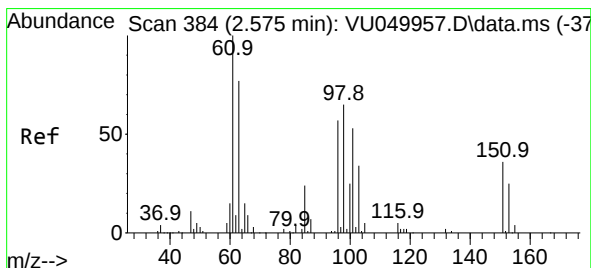
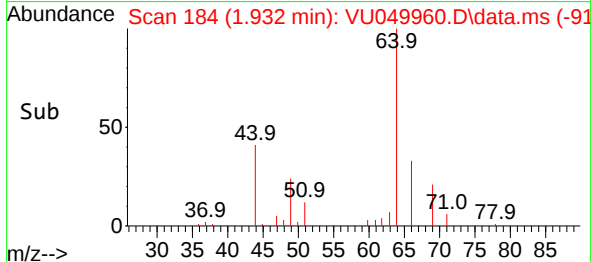
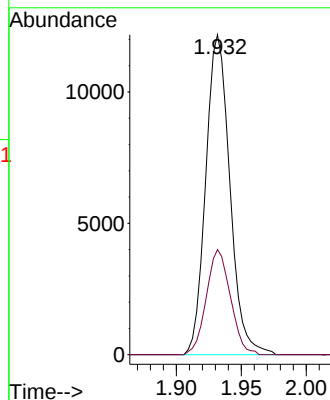
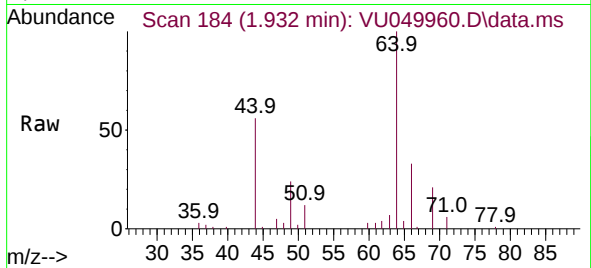




#8
Chloroethane
Concen: 3.263 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

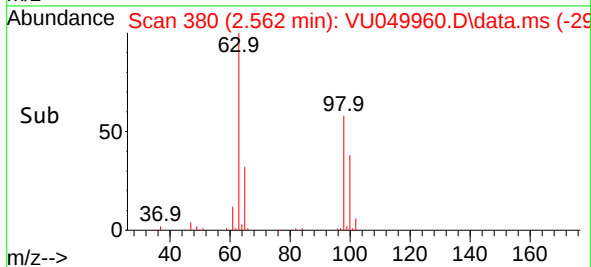
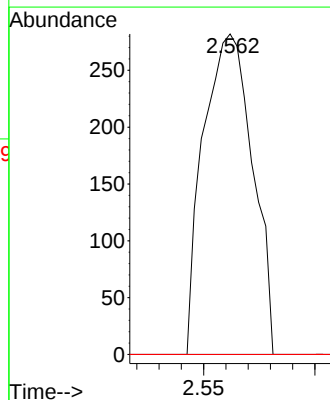
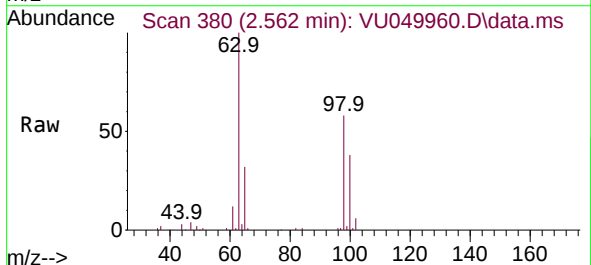
Instrument :
MSVOA_U
ClientSampleId :
DBUN9

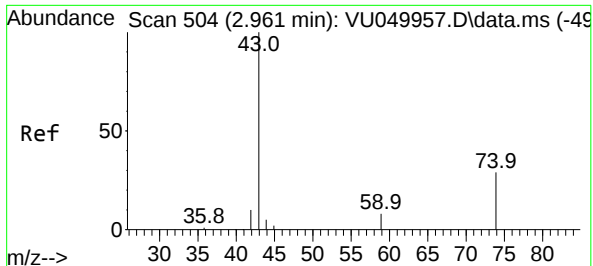
Tgt Ion: 64 Resp: 15726
Ion Ratio Lower Upper
64 100
66 32.9 21.4 39.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.073 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.013 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

Tgt Ion:101 Resp: 433
Ion Ratio Lower Upper
101 100
85 0.0 34.1 51.1#
151 0.0 56.6 85.0#

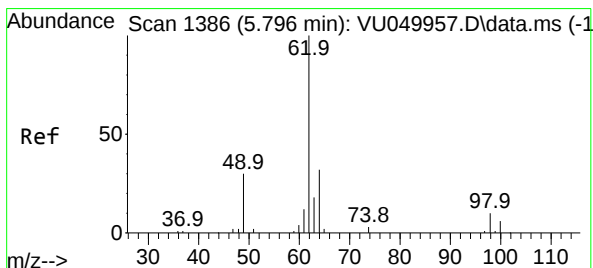
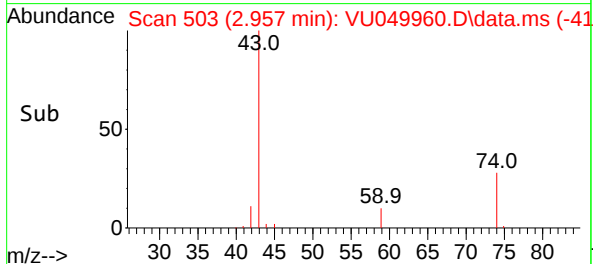
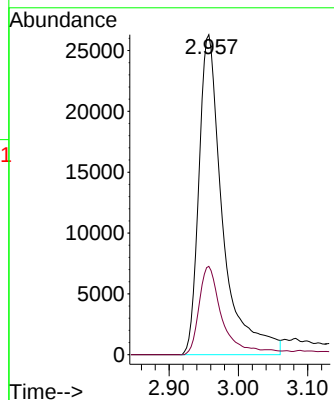
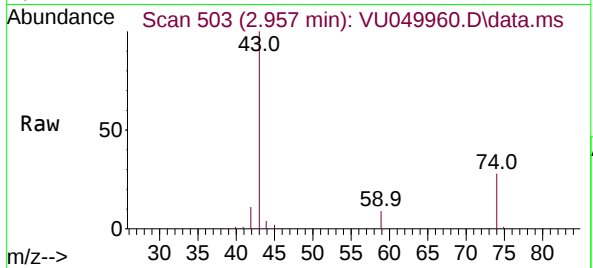




#15
Methyl Acetate
Concen: 22.771 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

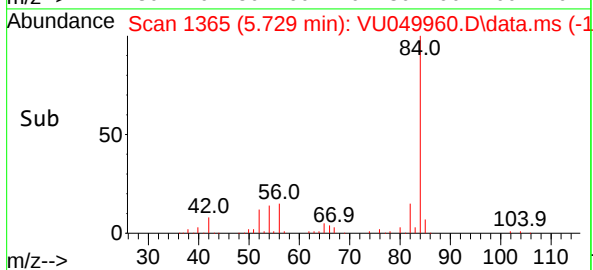
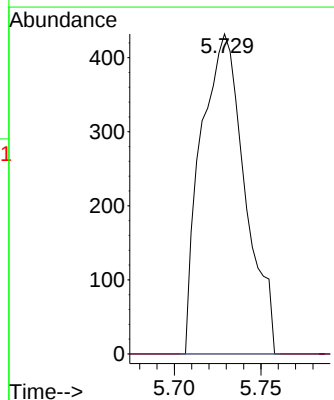
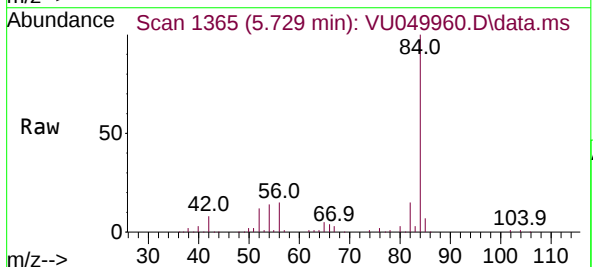
Instrument :
MSVOA_U
ClientSampleId :
DBUN9

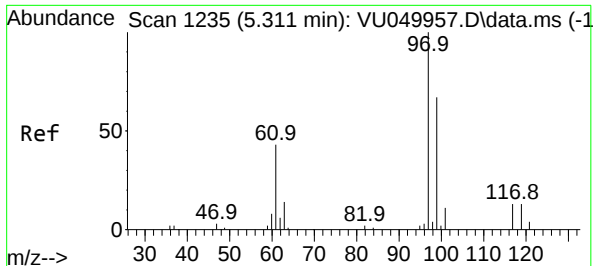
Tgt Ion: 43 Resp: 62766
Ion Ratio Lower Upper
43 100
74 26.2 21.6 32.4



#27
1,2-Dichloroethane
Concen: 0.099 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.068 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 62 Resp: 763
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#

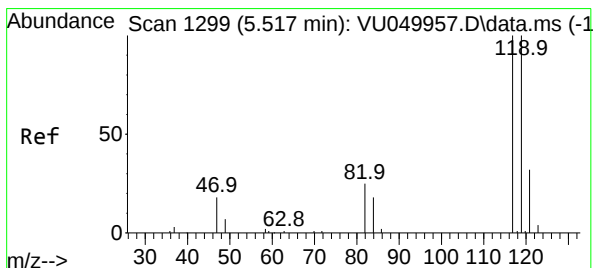
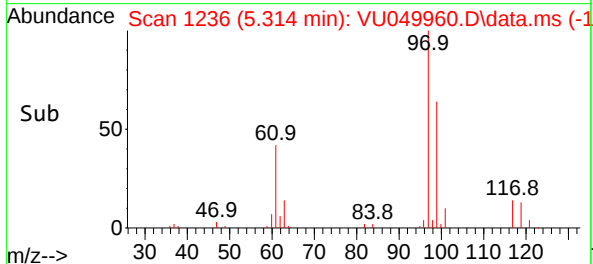
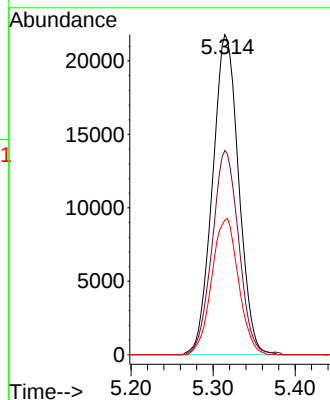
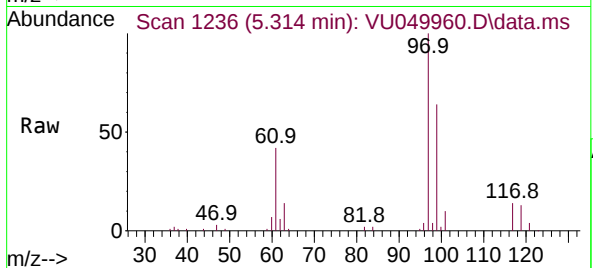




#29
1,1,1-Trichloroethane
Concen: 4.653 ug/L
RT: 5.314 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

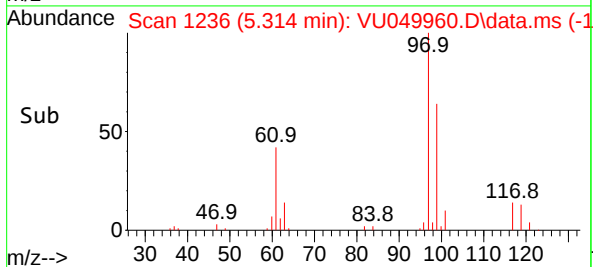
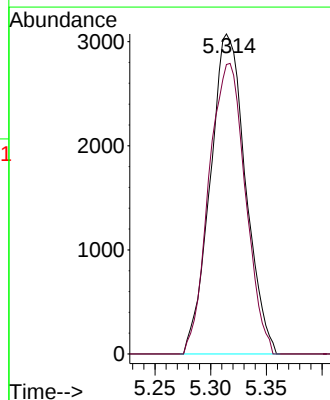
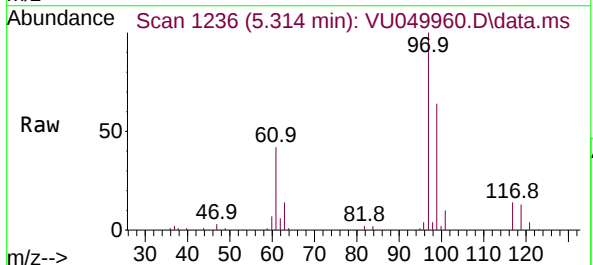
Instrument :
MSVOA_U
ClientSampleId :
DBUN9

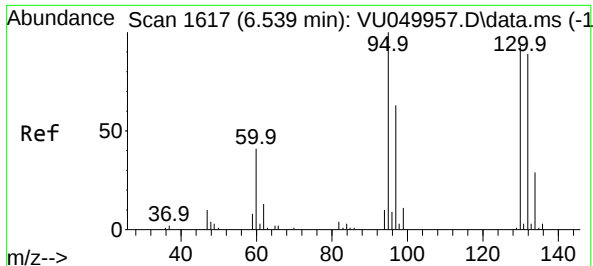
Tgt Ion: 97	Resp: 48378
Ion Ratio	Lower Upper
97 100	
99 64.7	52.0 78.0
61 43.5	35.0 52.6



#31
Carbon tetrachloride
Concen: 0.804 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.203 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 117	Resp: 6793
Ion Ratio	Lower Upper
117 100	
119 93.3	77.8 116.6



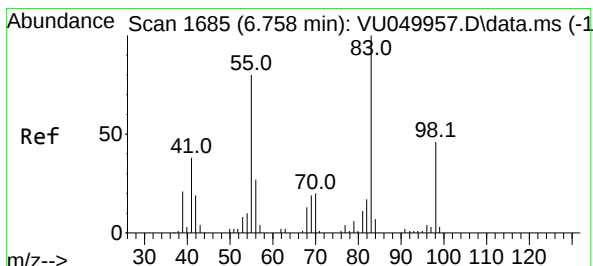
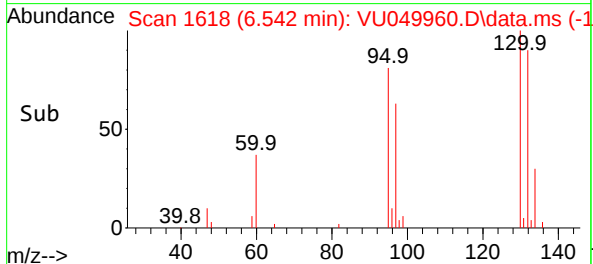
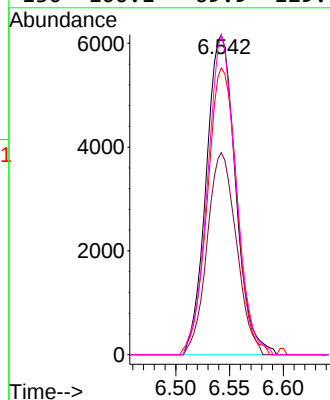
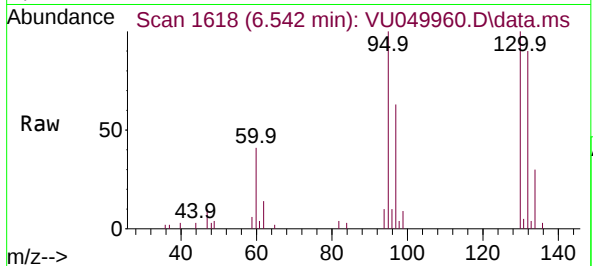


#34
Trichloroethene
Concen: 1.683 ug/L
RT: 6.542 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

Instrument :
MSVOA_U
ClientSampleId :
DBUN9

Tgt Ion: 95 Resp: 11691

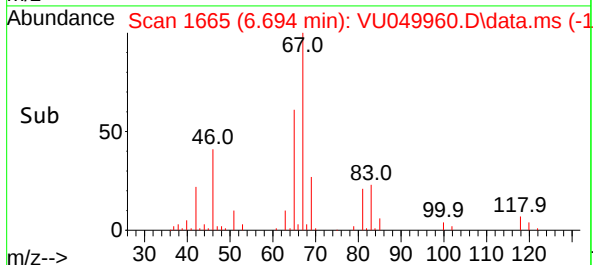
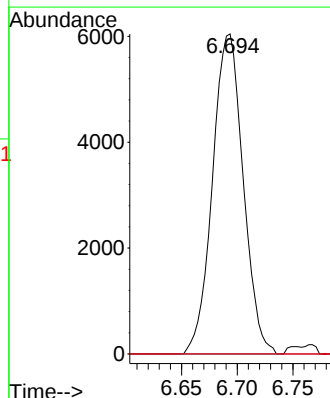
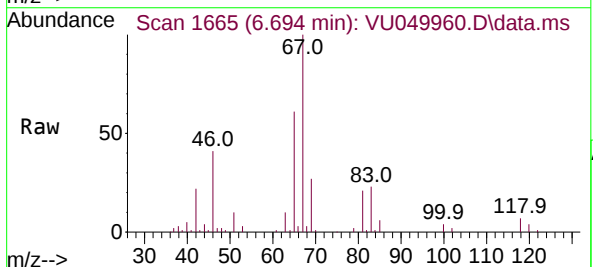
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.6	84.8
132	89.7	66.8	124.2
130	100.1	69.9	129.7

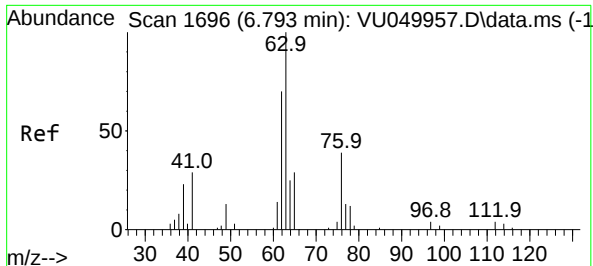


#35
Methylcyclohexane
Concen: 1.263 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.064 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 83 Resp: 11575

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.6	92.4#
98	4.6	34.8	52.2#





#37

1,2-Dichloropropane

Concen: 0.642 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_U

ClientSampleId :

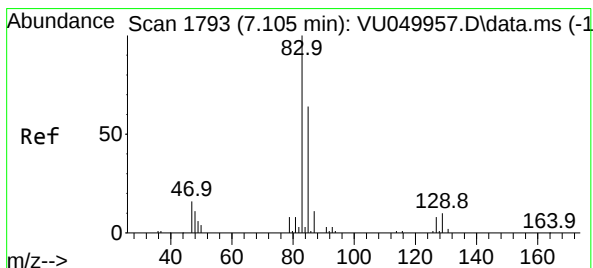
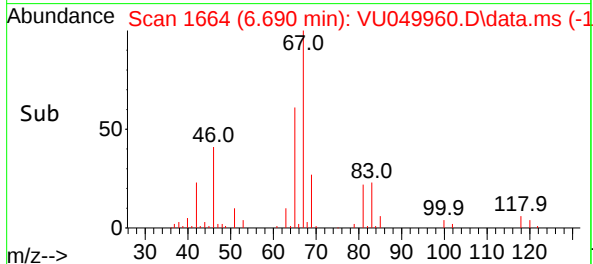
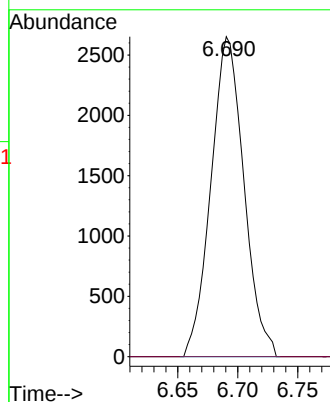
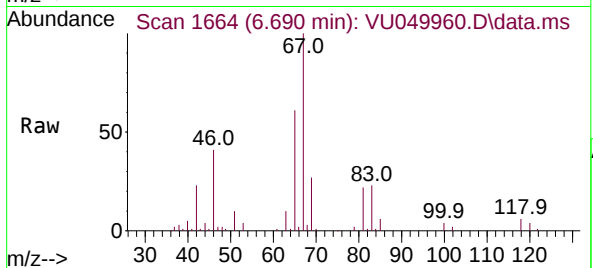
DBUN9

Tgt Ion: 63 Resp: 5060

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#38

Bromodichloromethane

Concen: 9.322 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

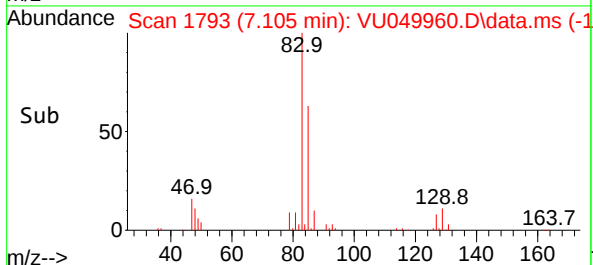
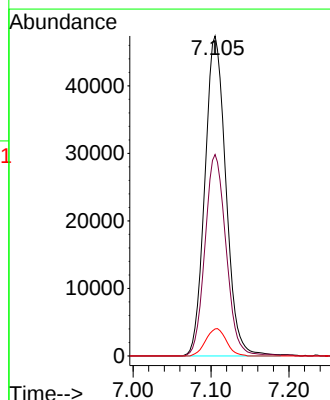
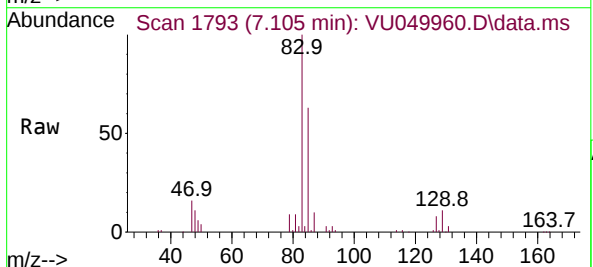
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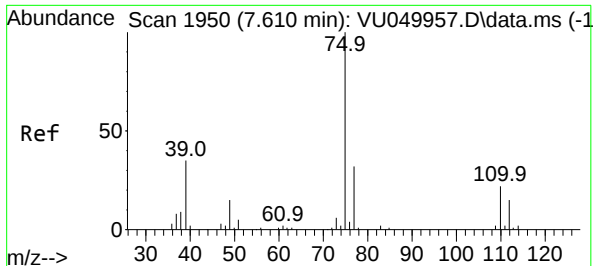
Ion Ratio Lower Upper

83 100

85 63.0 44.9 83.5

127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_U

ClientSampleId :

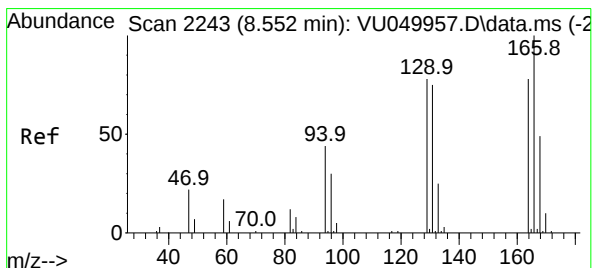
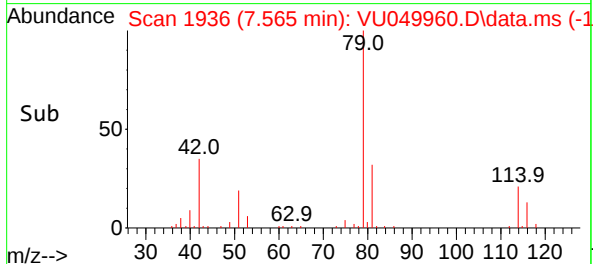
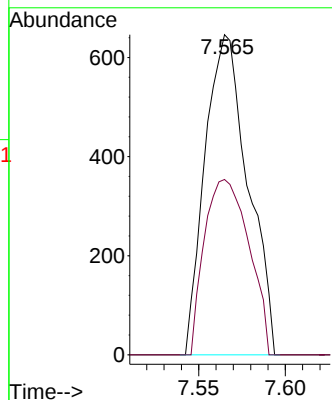
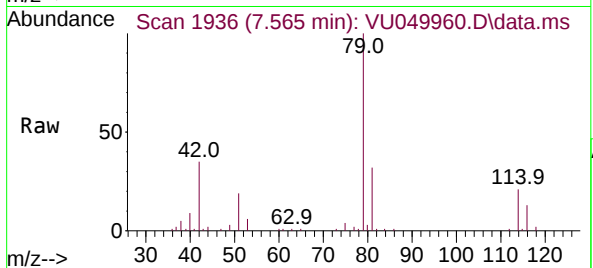
DBUN9

Tgt Ion: 75 Resp: 1116

Ion Ratio Lower Upper

75 100

77 54.8 22.5 41.9#



#47

Tetrachloroethene

Concen: 0.267 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Tgt Ion: 164 Resp: 1336

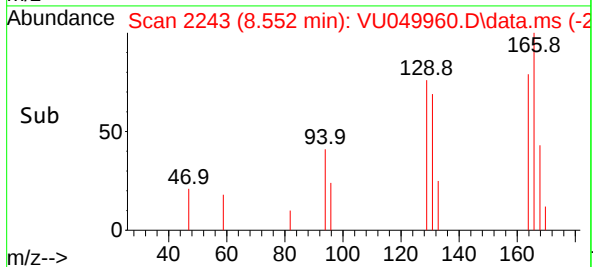
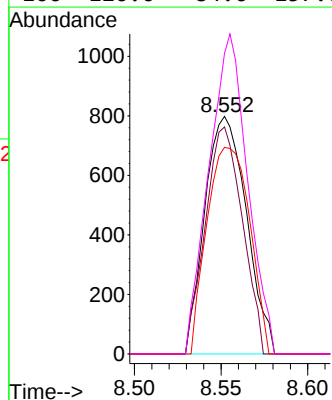
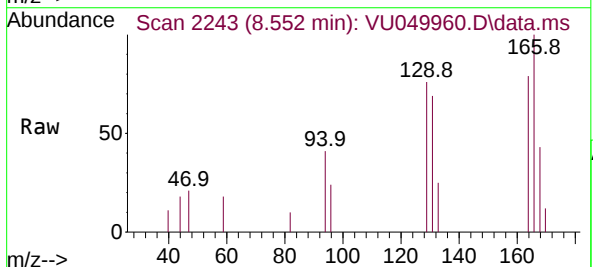
Ion Ratio Lower Upper

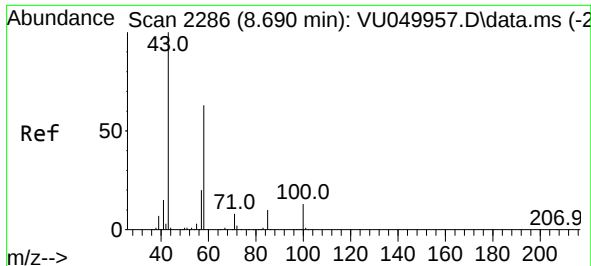
164 100

129 95.6 66.3 123.1

131 87.0 63.1 117.1

166 126.6 84.6 157.0





#48

2-Hexanone

Concen: 14.750 ug/L

RT: 8.687 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_U

ClientSampleId :

DBUN9

Tgt Ion: 43 Resp: 51168

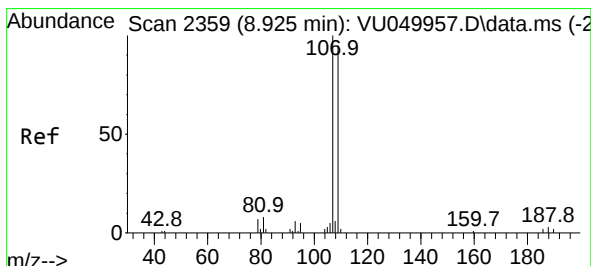
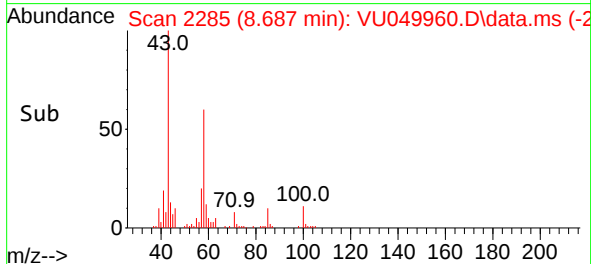
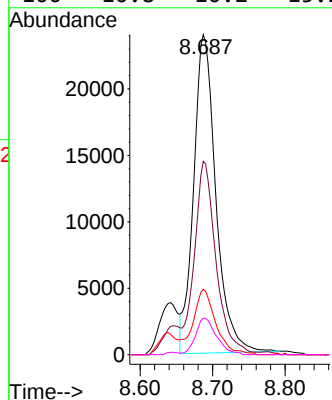
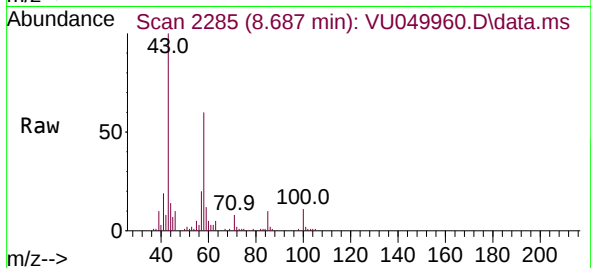
Ion Ratio Lower Upper

43 100

58 57.2 49.4 74.0

57 20.5 17.0 25.4

100 10.8 10.2 15.2



#50

1,2-Dibromoethane

Concen: 12.190 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. 0.000 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

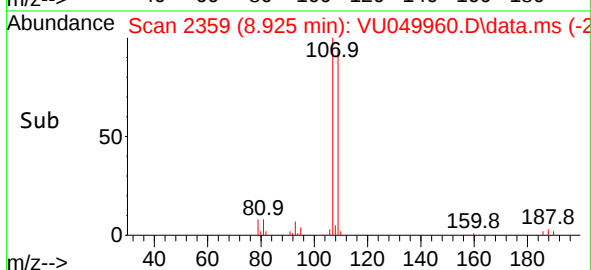
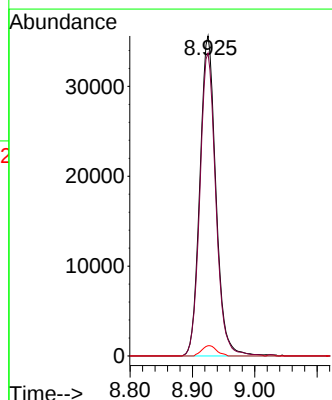
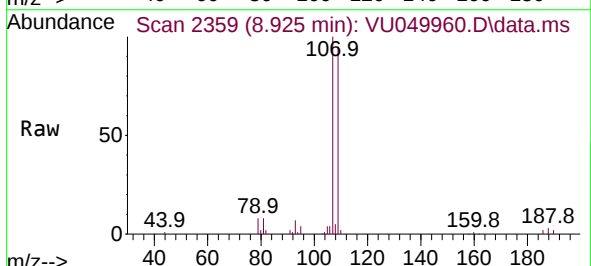
Tgt Ion: 107 Resp: 63704

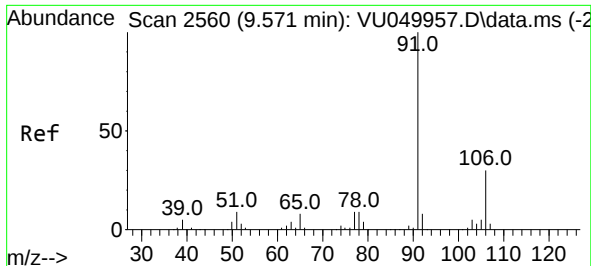
Ion Ratio Lower Upper

107 100

109 94.7 62.7 116.5

188 3.2 2.4 3.6

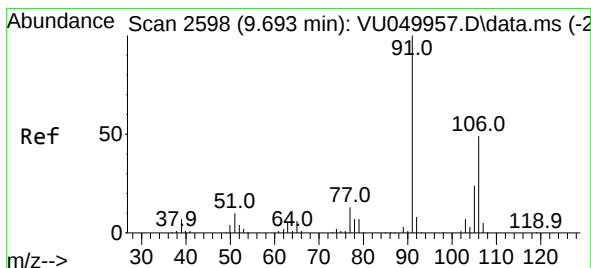
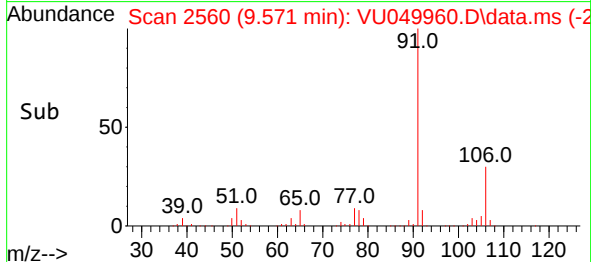
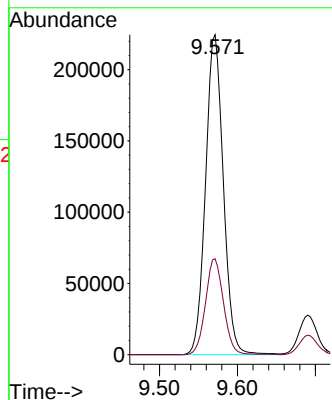
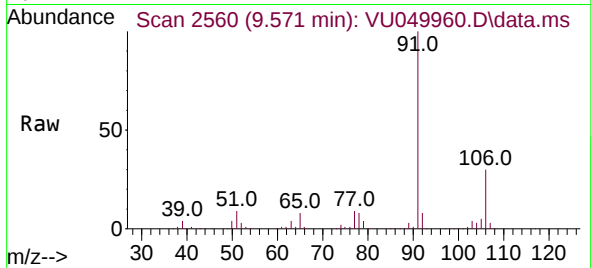




#52
Ethylbenzene
Concen: 12.510 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

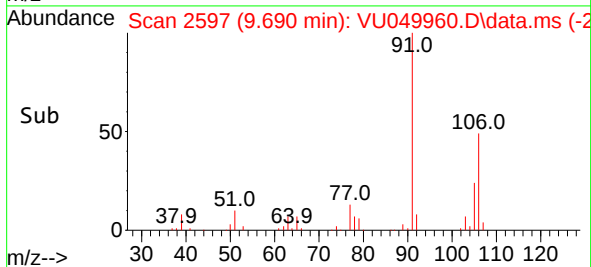
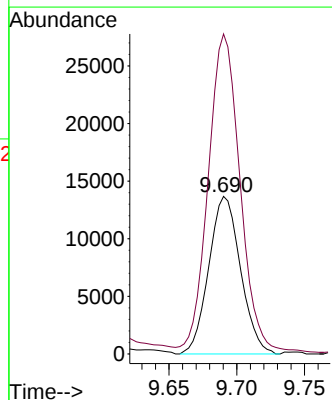
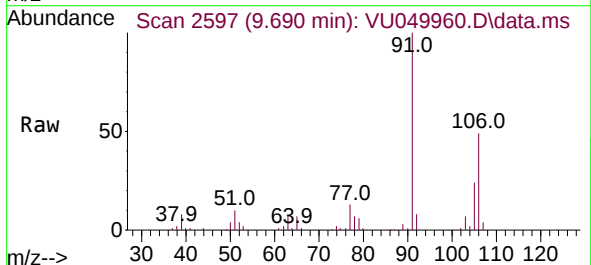
Instrument :
MSVOA_U
ClientSampleId :
DBUN9

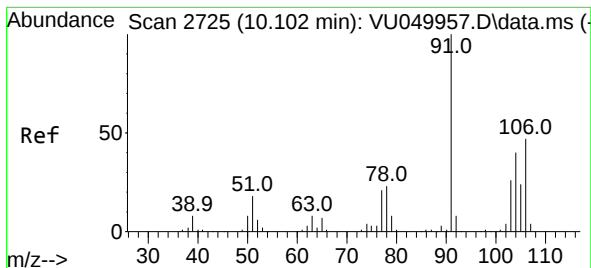
Tgt Ion: 91 Resp: 356130
Ion Ratio Lower Upper
91 100
106 30.0 21.6 40.0



#53
m,p-Xylene
Concen: 2.053 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 106 Resp: 22252
Ion Ratio Lower Upper
106 100
91 203.1 142.4 264.4





#54

o-Xylene

Concen: 0.152 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.013 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_U

ClientSampleId :

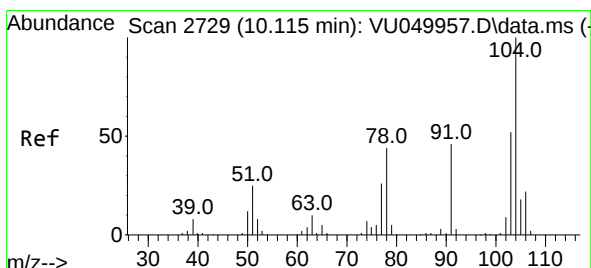
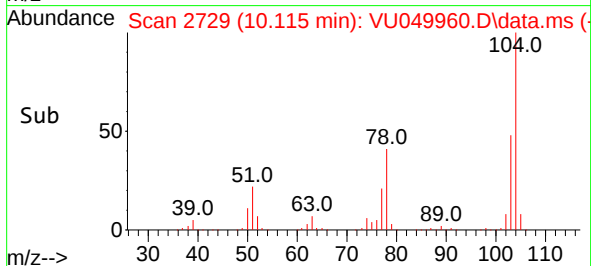
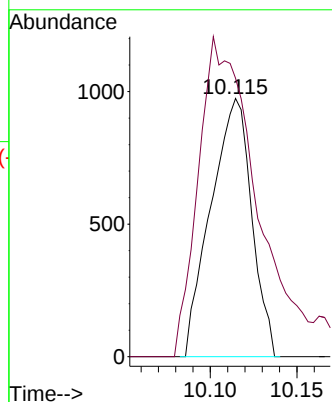
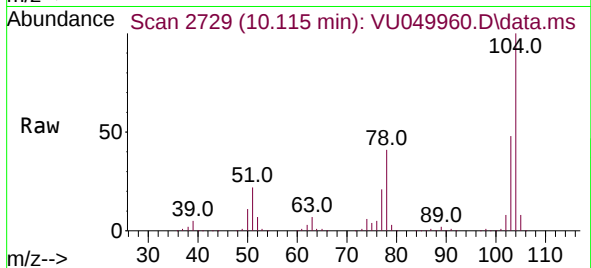
DBUN9

Tgt Ion:106 Resp: 1597

Ion Ratio Lower Upper

106 100

91 107.8 148.7 276.1#



#55

Styrene

Concen: 18.500 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049960.D

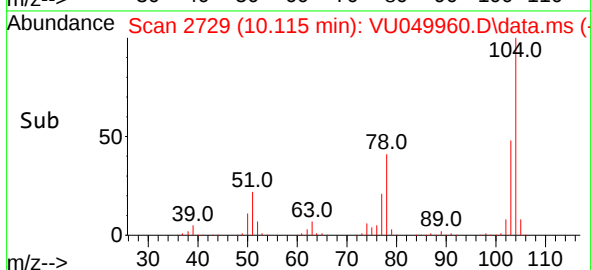
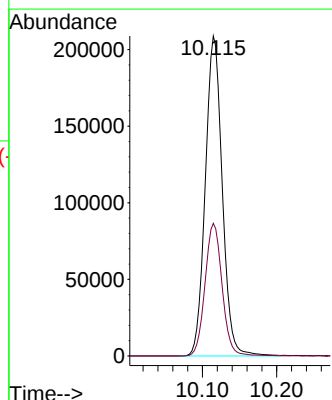
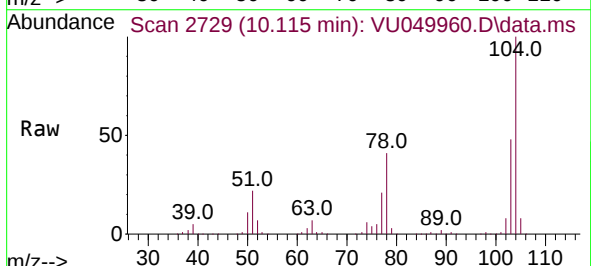
Acq: 27 Jul 2022 21:04

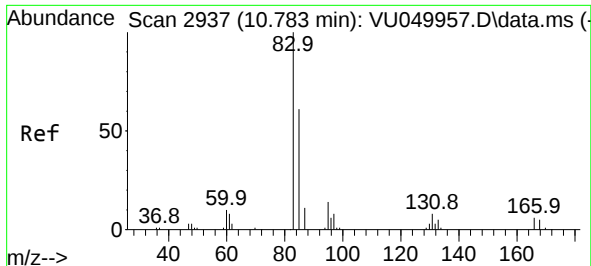
Tgt Ion:104 Resp: 331167

Ion Ratio Lower Upper

104 100

78 41.5 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 15.261 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_U

ClientSampleId :

DBUN9

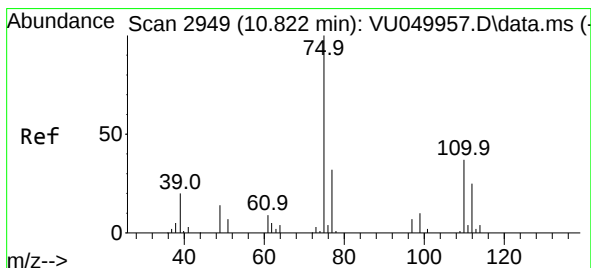
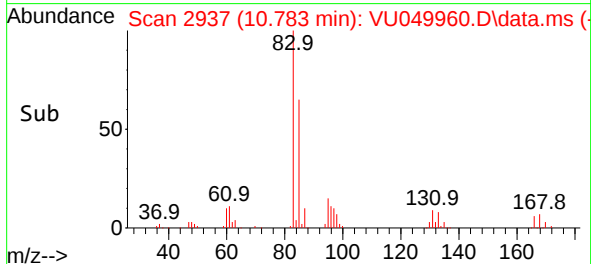
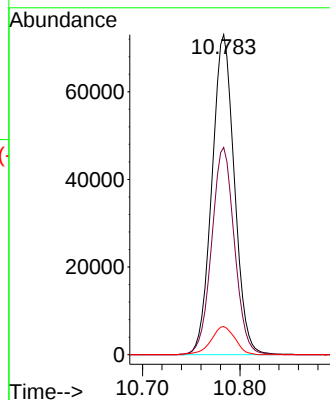
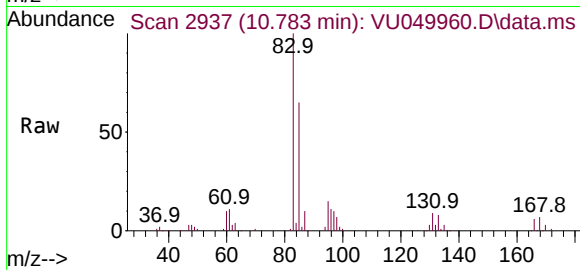
Tgt Ion: 83 Resp: 116905

Ion Ratio Lower Upper

83 100

85 64.7 46.6 86.6

131 8.8 7.9 11.9



#61

1,2,3-Trichloropropane

Concen: 1.866 ug/L

RT: 10.986 min Scan# 3000

Delta R.T. 0.164 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

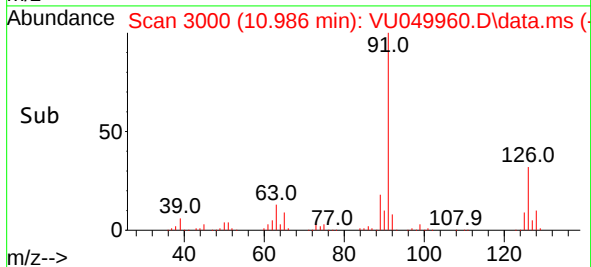
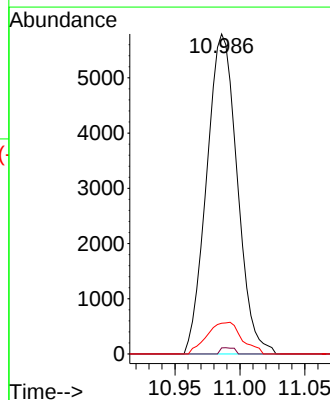
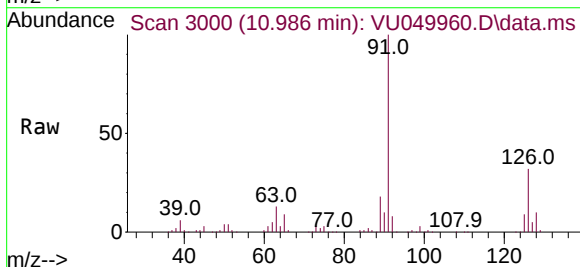
Tgt Ion: 75 Resp: 9478

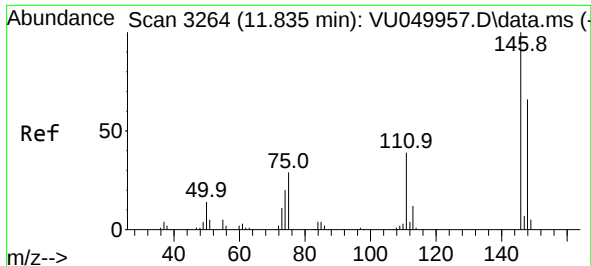
Ion Ratio Lower Upper

75 100

110 0.9 28.1 42.1#

77 0.0 24.7 37.1#

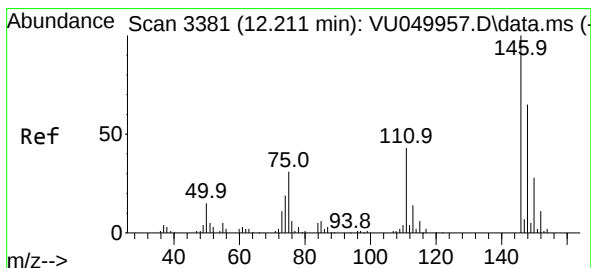
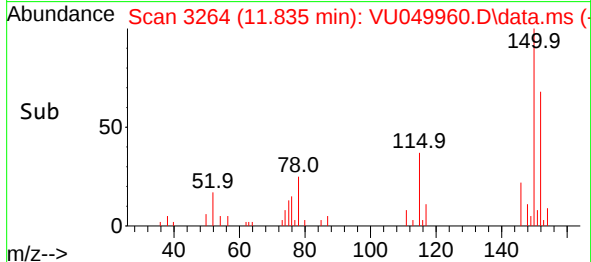
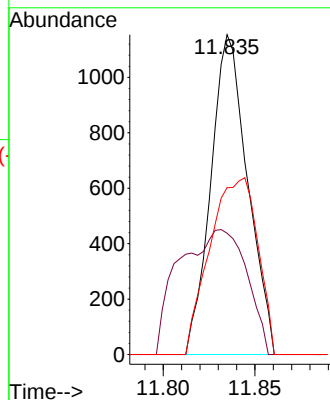
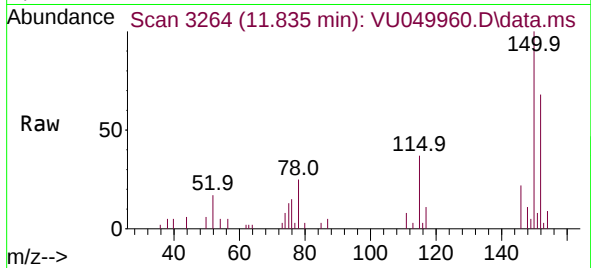




#65
1,4-Dichlorobenzene
Concen: 0.131 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

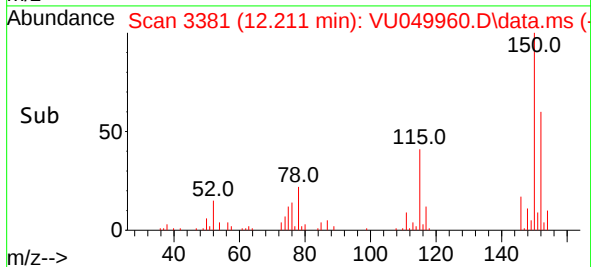
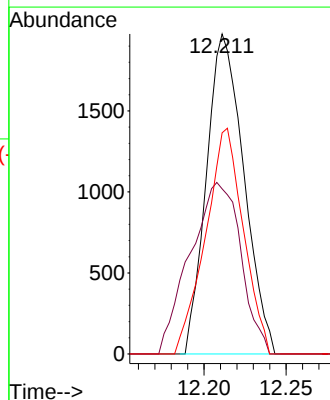
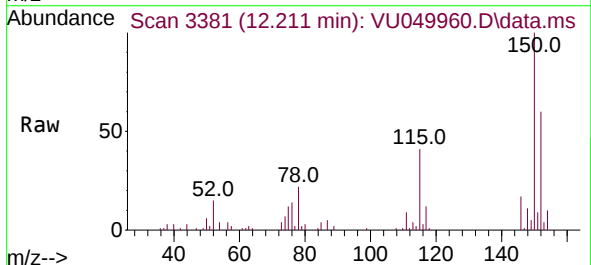
Instrument :
MSVOA_U
ClientSampleId :
DBUN9

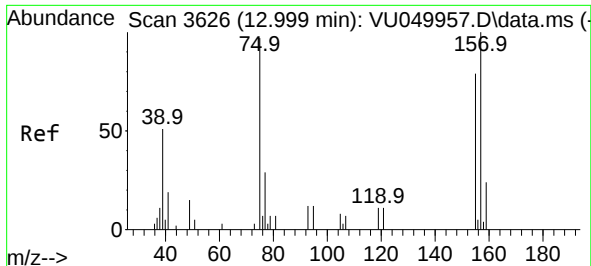
Tgt Ion:146 Resp: 1605
Ion Ratio Lower Upper
146 100
111 38.0 26.4 49.0
148 52.2 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 0.254 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU049960.D
Acq: 27 Jul 2022 21:04

Tgt Ion:146 Resp: 3122
Ion Ratio Lower Upper
146 100
111 51.6 33.4 50.2#
148 69.1 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 0.241 ug/L

RT: 13.224 min Scan# 3696

Delta R.T. 0.225 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_U

ClientSampleId :

DBUN9

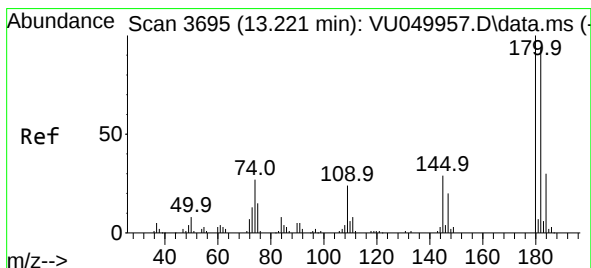
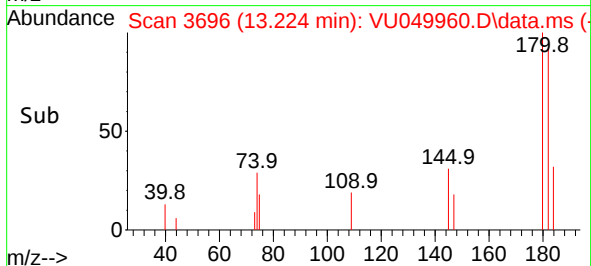
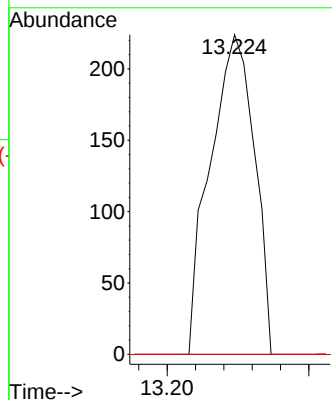
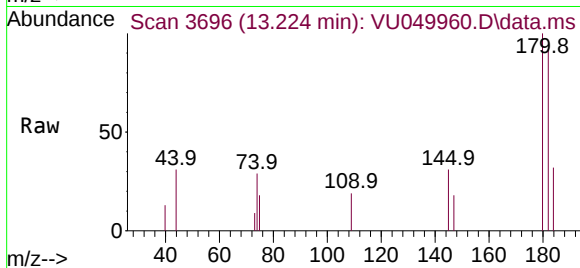
Tgt Ion: 75 Resp: 242

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 73.8 110.6#



#69

1,3,5-Trichlorobenzene

Concen: 0.229 ug/L

RT: 13.224 min Scan# 3696

Delta R.T. 0.003 min

Lab File: VU049960.D

Acq: 27 Jul 2022 21:04

Tgt Ion:180 Resp: 2044

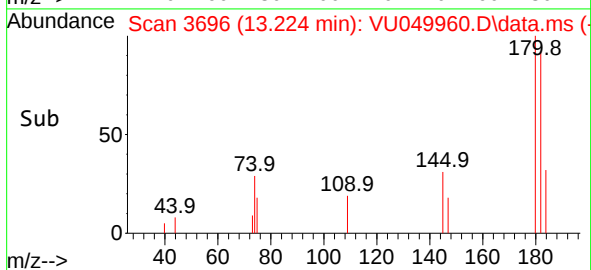
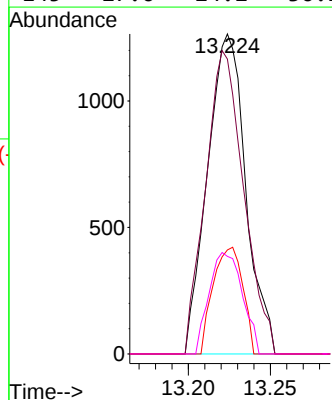
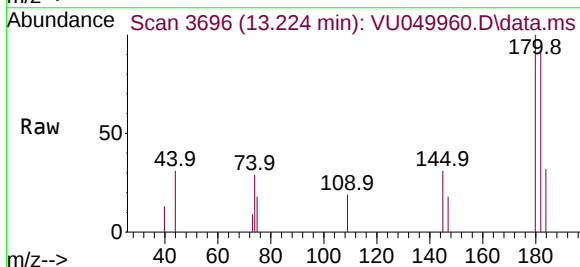
Ion Ratio Lower Upper

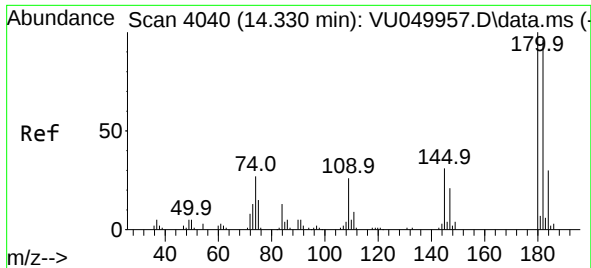
180 100

182 94.6 77.2 115.8

184 25.9 23.9 35.9

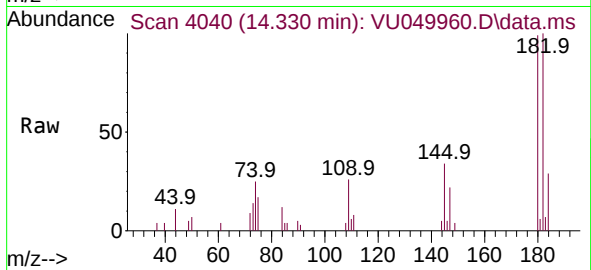
145 27.6 24.2 36.2





#72
 1,2,3-Trichlorobenzene
 Concen: 0.859 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU049960.D
 Acq: 27 Jul 2022 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 DBUN9



Tgt Ion:	180	Resp:	6066
Ion	Ratio	Lower	Upper
180	100		
182	100.2	77.0	115.4
145	33.7	26.3	39.5

