

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041422\
 Data File : VU048090.D
 Acq On : 15 Apr 2022 03:39
 Operator : SY/MD
 Sample : N2419-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J53

Quant Time: Apr 15 05:30:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 05:02:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	322016	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.449	117	356821	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.832	152	264512	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	73898	31.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.300%
7) Chloroethane-d5	1.916	69	72605	39.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.860%
11) 1,1-Dichloroethene-d2	2.568	63	109547	25.641	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.280%#
21) 2-Butanone-d5	4.620	46	199026	99.299	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.300%
24) Chloroform-d	5.067	84	265182	62.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.120%
26) 1,2-Dichloroethane-d4	5.706	65	122457	46.730	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.460%
32) Benzene-d6	5.735	84	369007	41.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.694	67	124933	45.308	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.620%
41) Toluene-d8	7.899	98	298443	34.116	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.240%#
43) trans-1,3-Dichloroprop...	8.179	79	47255	33.827	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.660%
47) 2-Hexanone-d5	8.639	63	128270	79.464	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.460%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	226959	47.961	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.920%
66) 1,2-Dichlorobenzene-d4	12.221	152	200767	42.663	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.320%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1327	0.559	ug/L #	18
12) 1,1-Dichloroethene	2.568	96	1214	0.550	ug/L #	1
13) Acetone	2.626	43	15424	8.269	ug/L	95
22) 2-Butanone	4.716	43	2969	1.236	ug/L	74
25) Chloroform	5.089	83	1970947	445.528	ug/L	99
27) 1,2-Dichloroethane	5.790	62	688284	201.381	ug/L #	75
29) Cyclohexane	5.391	56	27631	7.631	ug/L	97
31) Carbon tetrachloride	5.526	117	414626	113.487	ug/L	98
33) Benzene	5.922	78	395409	38.284	ug/L	100
35) Methylcyclohexane	6.764	83	9940	2.413	ug/L #	69
38) Bromodichloromethane	7.108	83	18080	5.015	ug/L	98
39) cis-1,3-Dichloropropene	7.565	75	2910	0.714	ug/L #	36
42) Toluene	7.973	91	27323	2.411	ug/L	100
46) Tetrachloroethene	8.552	164	5492	2.257	ug/L	96
49) Dibromochloromethane	8.812	129	8609	2.669	ug/L	95
59) Bromoform	10.295	173	4108	1.215	ug/L	99
60) 1,2,3-Trichloropropane	10.783	75	6189	1.241	ug/L #	1
64) 1,3-Dichlorobenzene	11.754	146	11701183	1472.633	ug/L	98
65) 1,4-Dichlorobenzene	11.754	146	11701183	1421.740	ug/L	97

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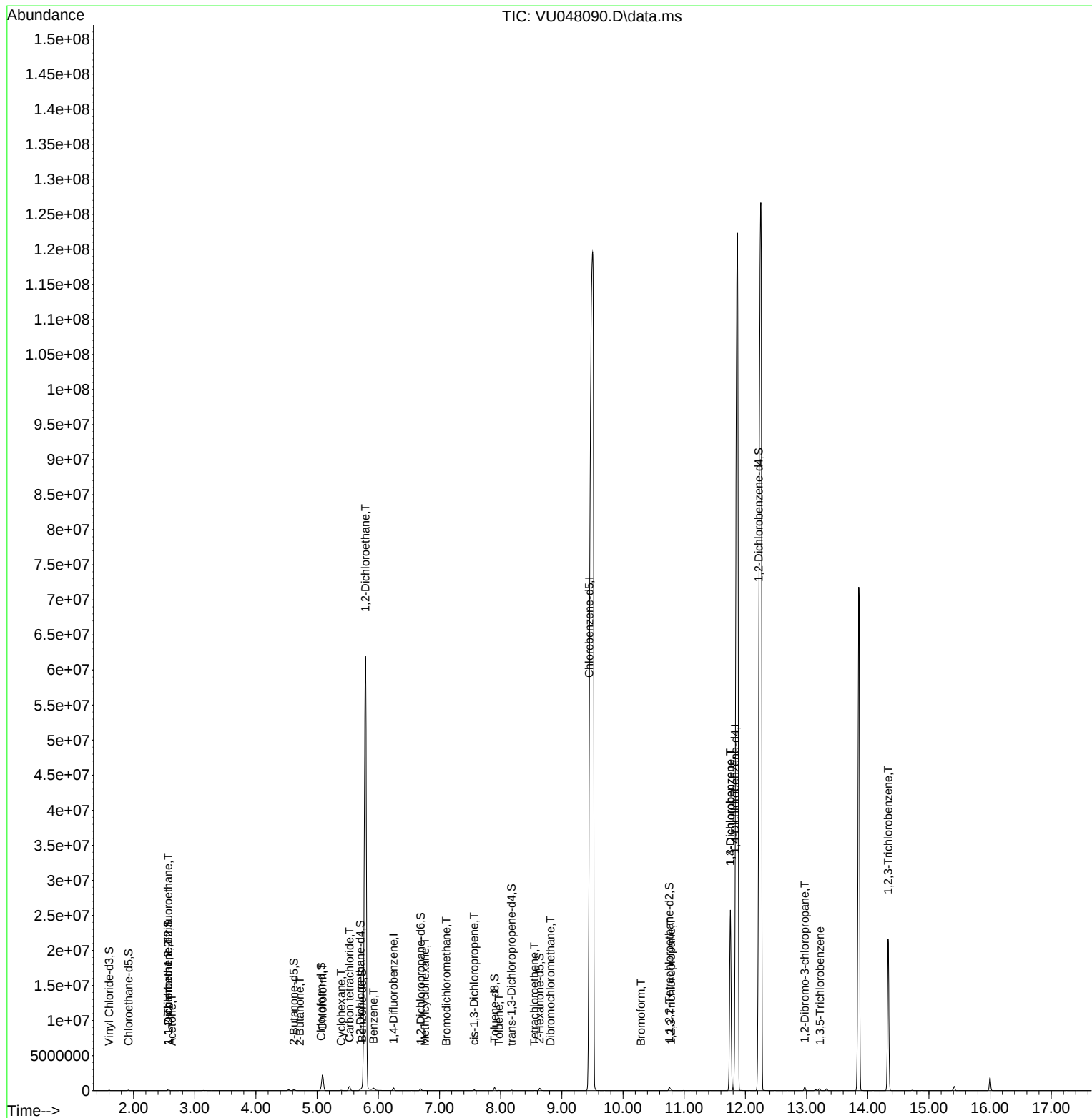
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.970	75	73755	46.175	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.221	180	19160	2.969	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	6966299	1229.423	ug/L	99

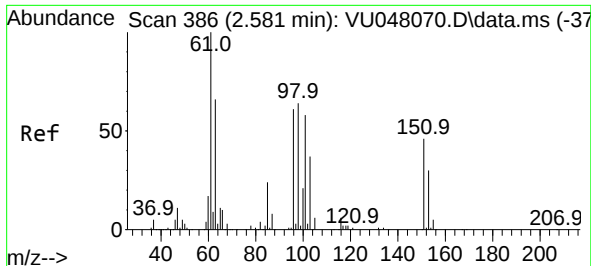
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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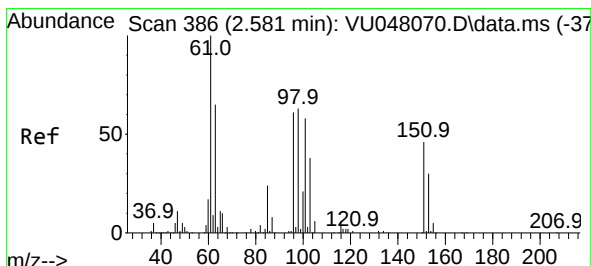
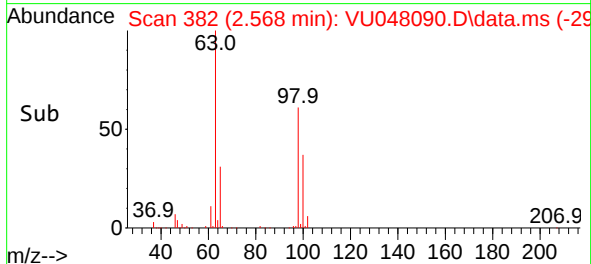
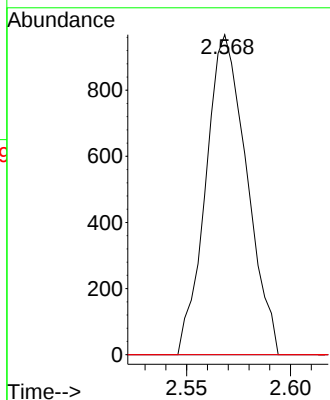
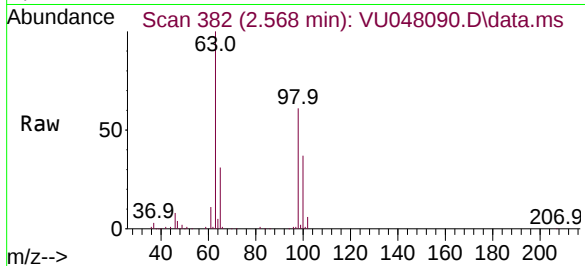




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.559 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.013 min
 Lab File: VU048090.D
 Acq: 15 Apr 2022 03:39

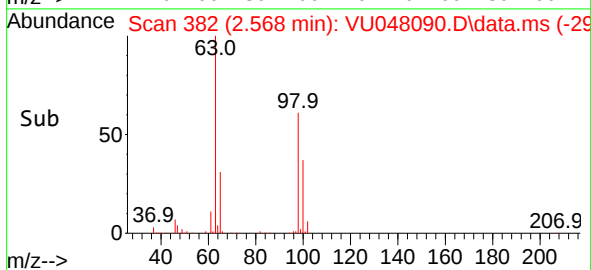
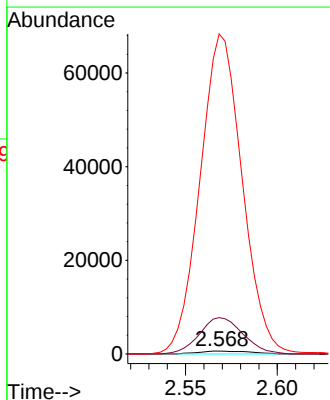
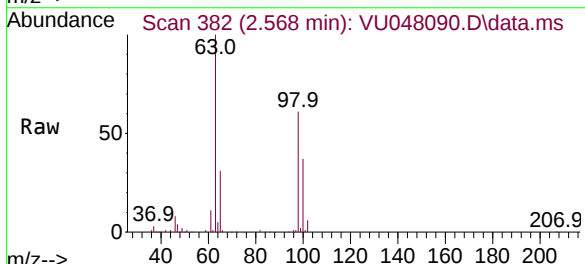
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J53

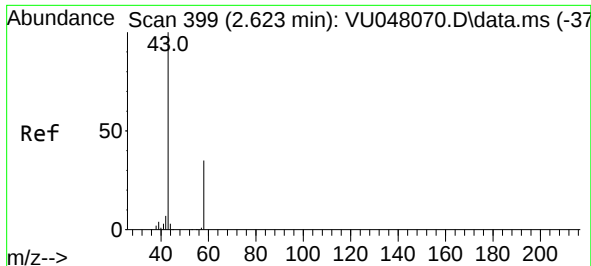
Tgt Ion:101 Resp: 1327
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.550 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.013 min
 Lab File: VU048090.D
 Acq: 15 Apr 2022 03:39

Tgt Ion: 96 Resp: 1214
 Ion Ratio Lower Upper
 96 100
 61 1249.4 113.1 210.1#
 63 10987.8 94.8 176.0#





#13

Acetone

Concen: 8.269 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Instrument :

MSVOA_U

ClientSampleId :

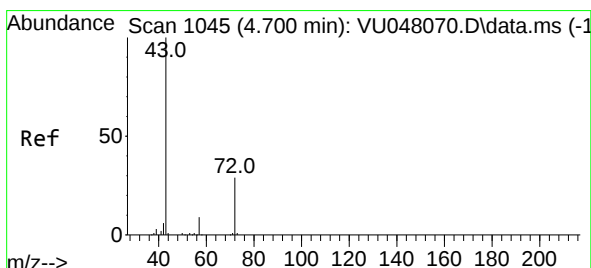
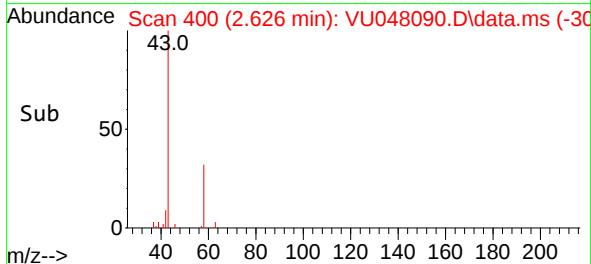
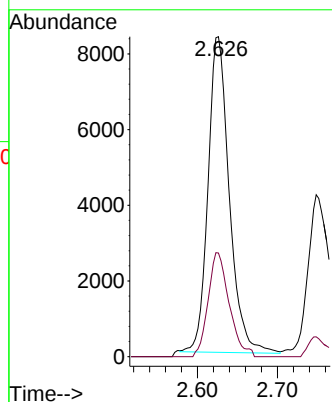
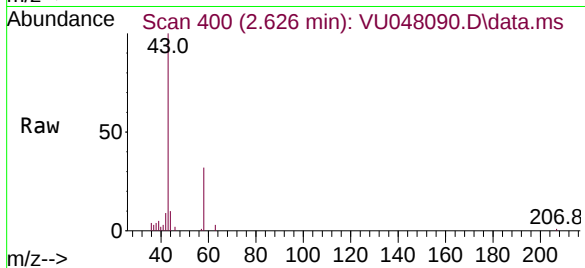
C0J53

Tgt Ion: 43 Resp: 15424

Ion Ratio Lower Upper

43 100

58 32.1 0.0 70.0



#22

2-Butanone

Concen: 1.236 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.016 min

Lab File: VU048090.D

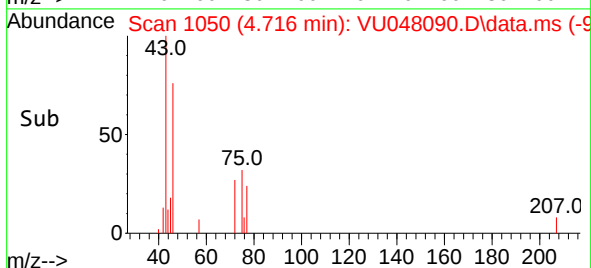
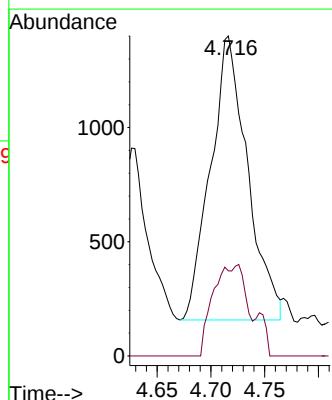
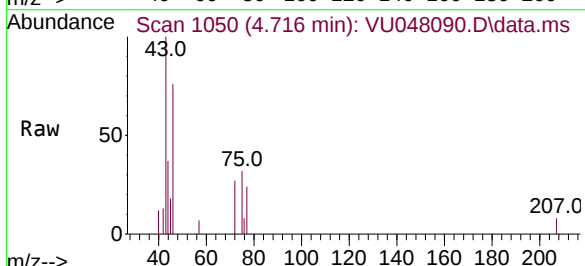
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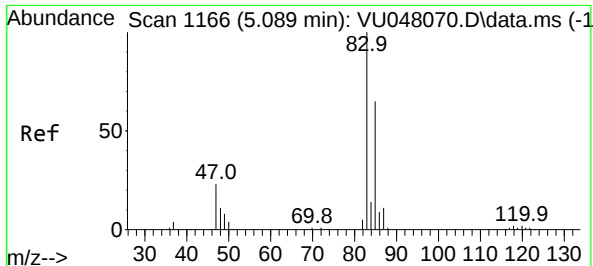
Tgt Ion: 43 Resp: 2969

Ion Ratio Lower Upper

43 100

72 17.4 16.0 47.9

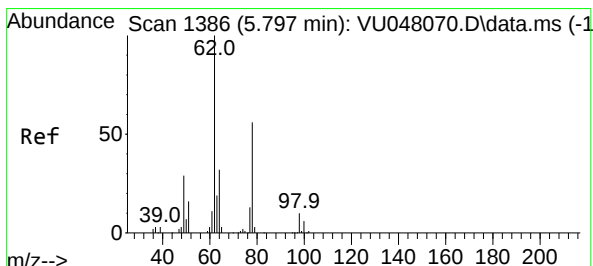
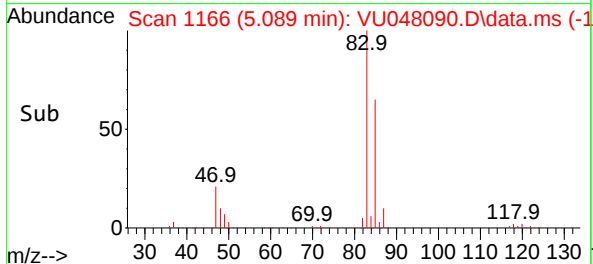
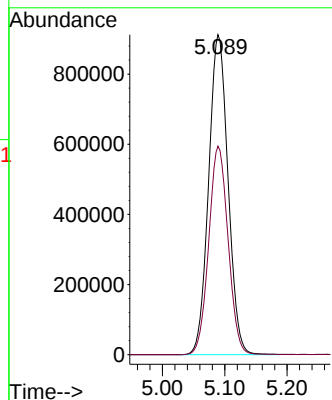
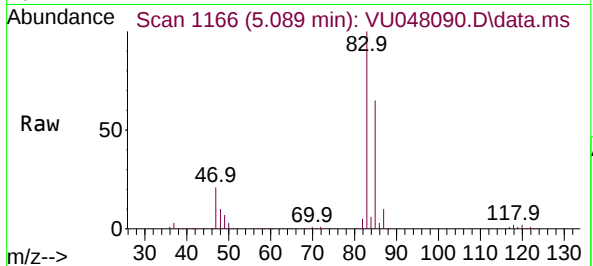




#25
Chloroform
Concen: 445.528 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

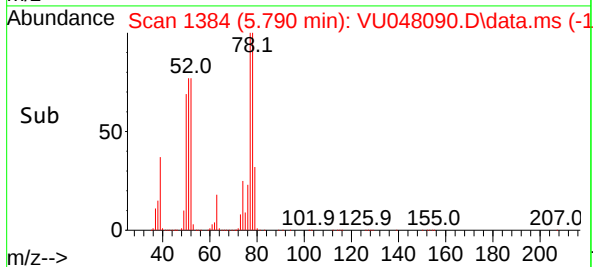
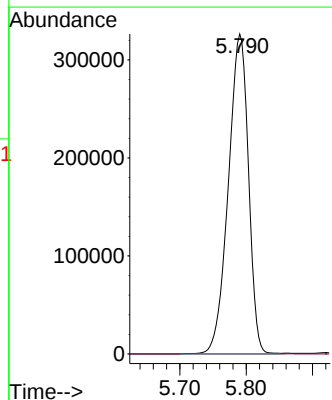
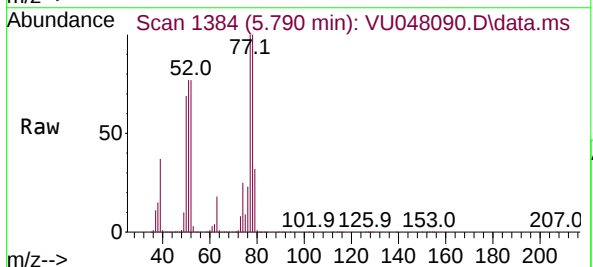
Instrument :
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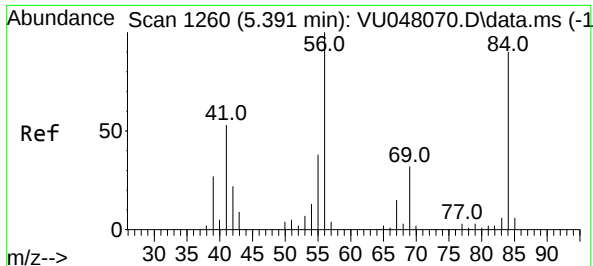
Tgt Ion: 83 Resp: 1970947
Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8



#27
1,2-Dichloroethane
Concen: 201.381 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. -0.006 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Tgt Ion: 62 Resp: 688284
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#





#29

Cyclohexane

Concen: 7.631 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Instrument :

MSVOA_U

ClientSampleId :

C0J53

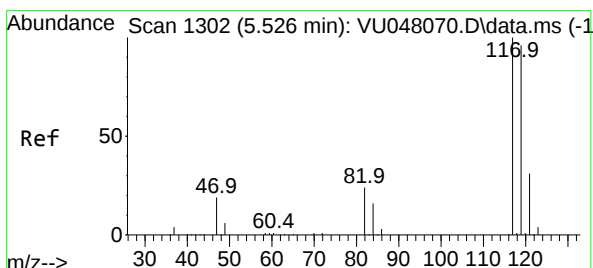
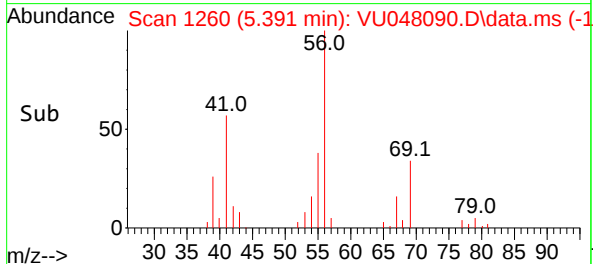
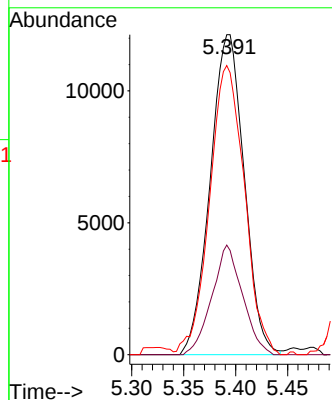
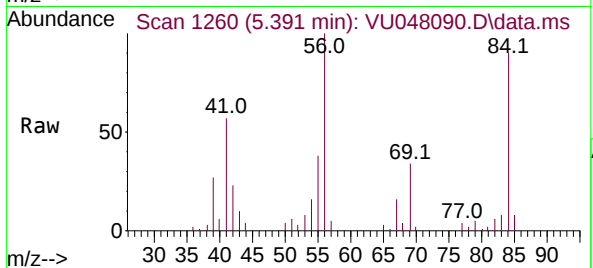
Tgt Ion: 56 Resp: 27631

Ion Ratio Lower Upper

56 100

69 30.8 25.4 38.2

84 92.6 77.0 115.6



#31

Carbon tetrachloride

Concen: 113.487 ug/L

RT: 5.526 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VU048090.D

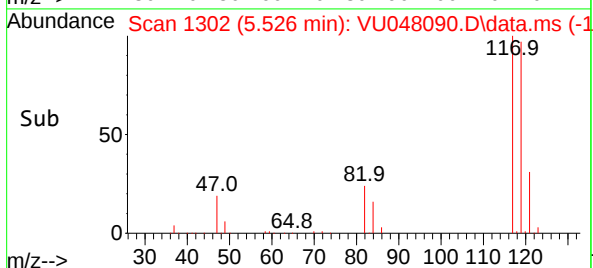
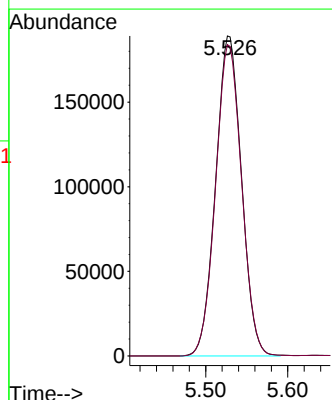
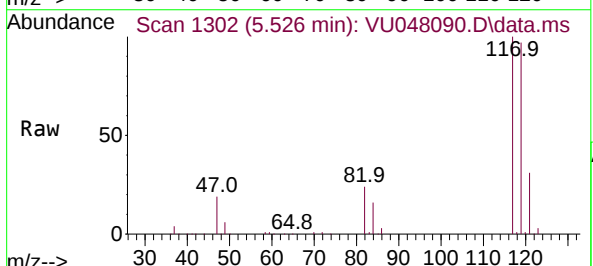
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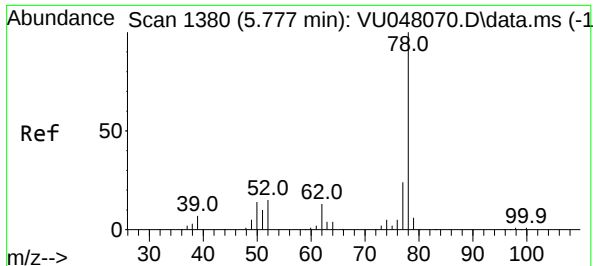
Tgt Ion: 117 Resp: 414626

Ion Ratio Lower Upper

117 100

119 98.1 77.2 115.8

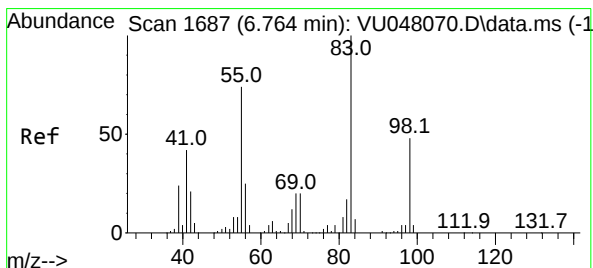
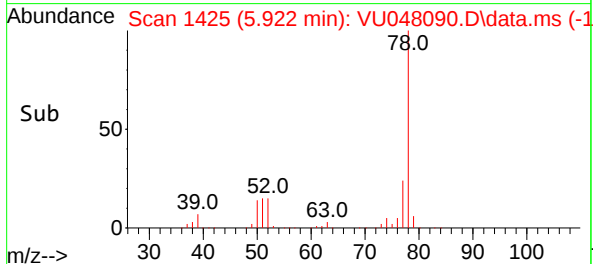
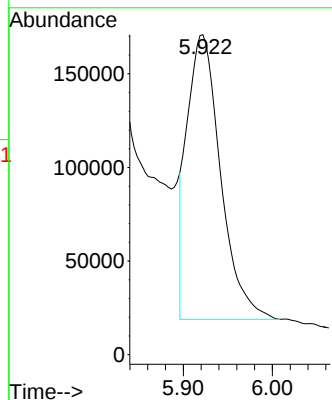
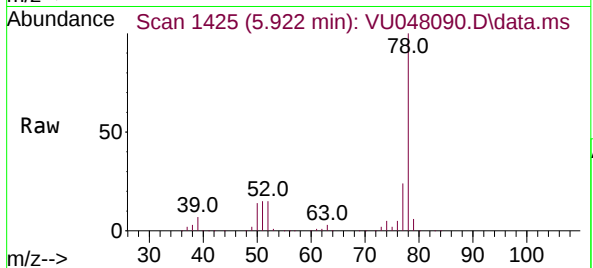




#33
Benzene
Concen: 38.284 ug/L
RT: 5.922 min Scan# 1425
Delta R.T. 0.145 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

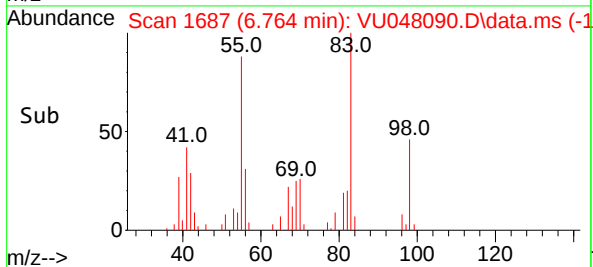
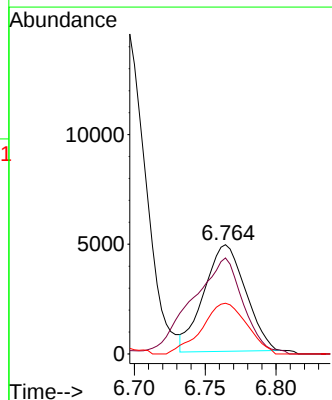
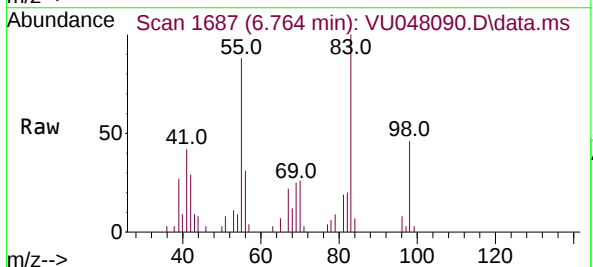
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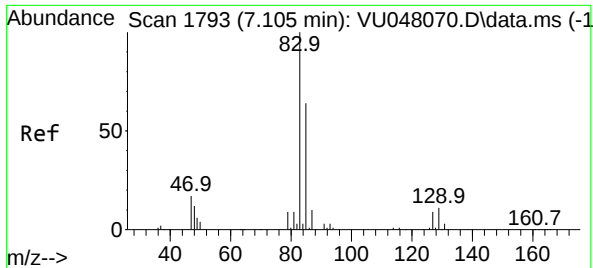
Tgt Ion: 78 Resp: 395409



#35
Methylcyclohexane
Concen: 2.413 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Tgt Ion: 83 Resp: 9940
Ion Ratio Lower Upper
83 100
55 110.6 56.8 85.2#
98 51.2 38.1 57.1

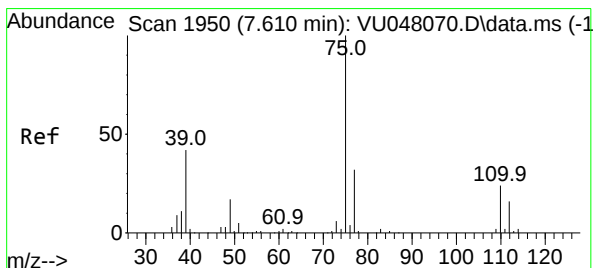
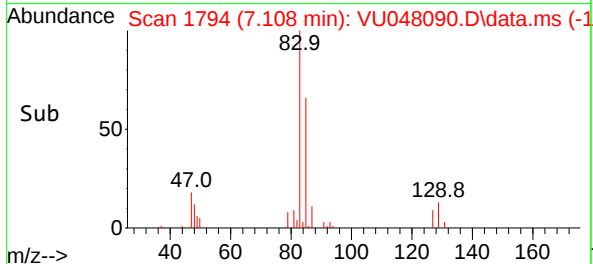
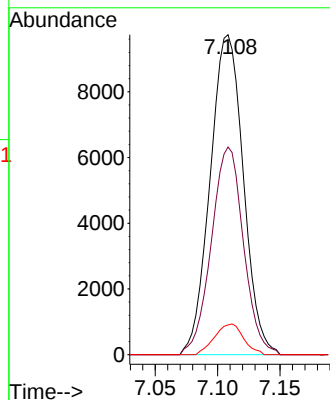
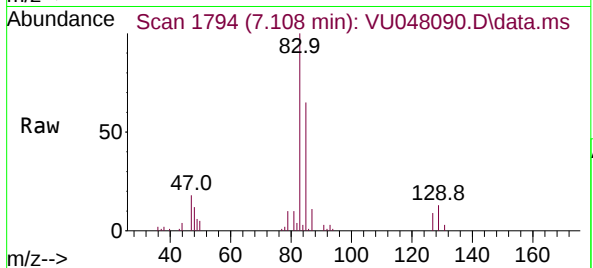




#38
Bromodichloromethane
Concen: 5.015 ug/L
RT: 7.108 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

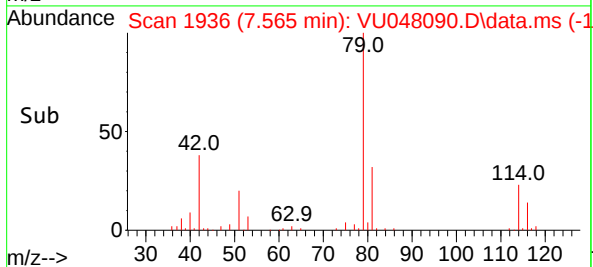
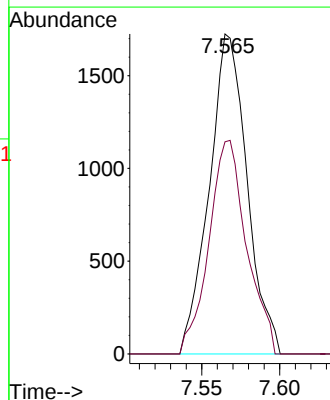
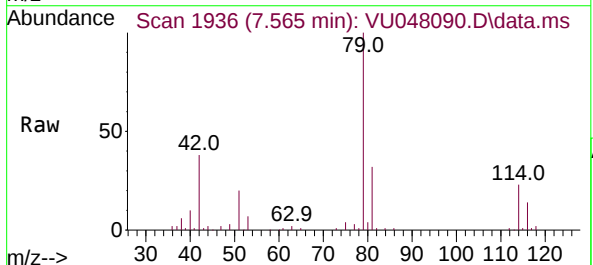
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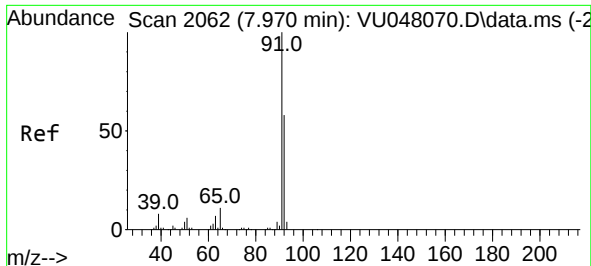
Tgt Ion: 83 Resp: 18080
Ion Ratio Lower Upper
83 100
85 64.9 44.4 82.4
127 9.3 7.2 10.8



#39
cis-1,3-Dichloropropene
Concen: 0.714 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.045 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Tgt Ion: 75 Resp: 2910
Ion Ratio Lower Upper
75 100
77 66.3 21.8 40.6#





#42

Toluene

Concen: 2.411 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Instrument :

MSVOA_U

ClientSampleId :

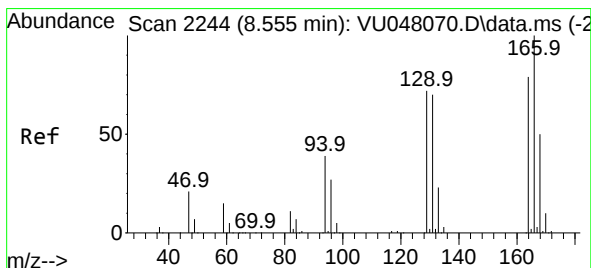
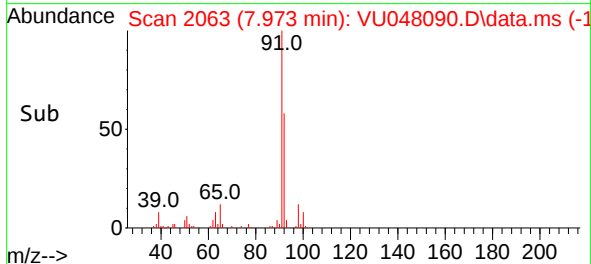
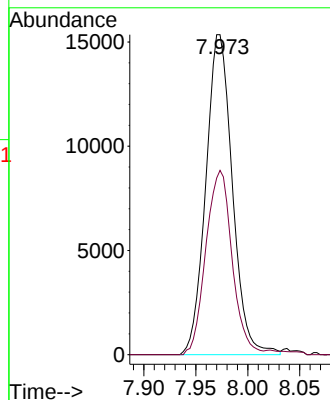
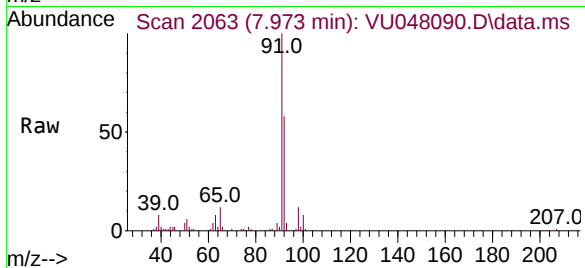
C0J53

Tgt Ion: 91 Resp: 27323

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#46

Tetrachloroethene

Concen: 2.257 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Tgt Ion: 164 Resp: 5492

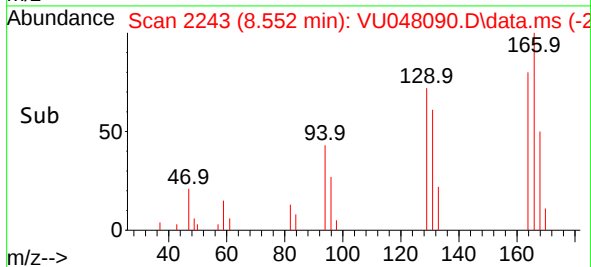
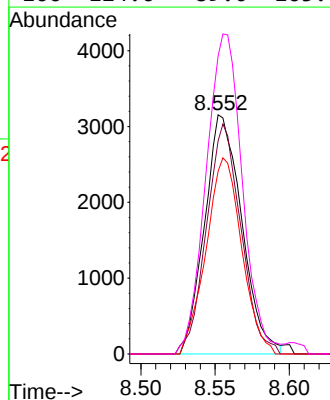
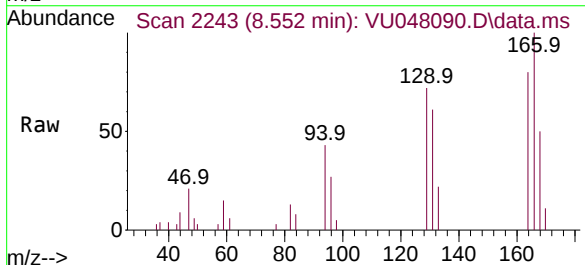
Ion Ratio Lower Upper

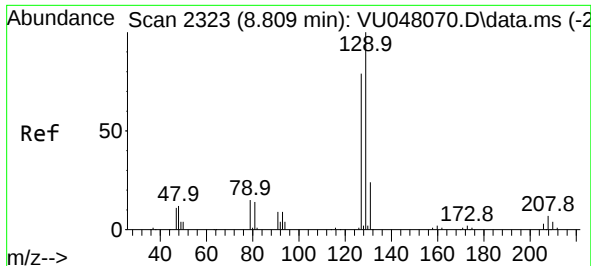
164 100

129 89.1 62.4 116.0

131 76.4 60.7 112.7

166 124.6 89.0 165.4





#49

Dibromochloromethane

Concen: 2.669 ug/L

RT: 8.812 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Instrument :

MSVOA_U

ClientSampleId :

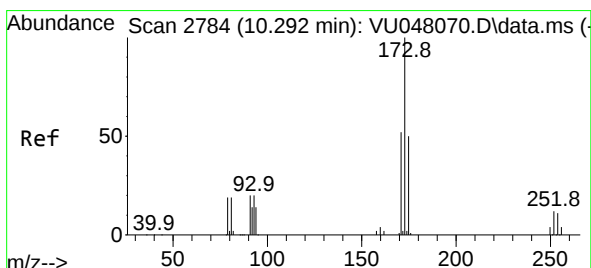
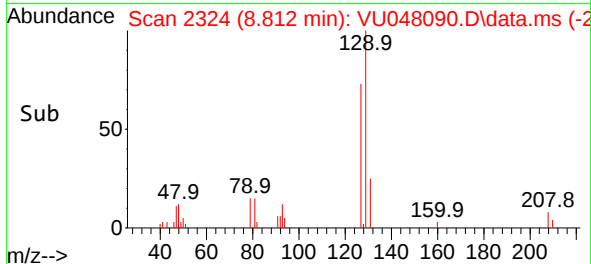
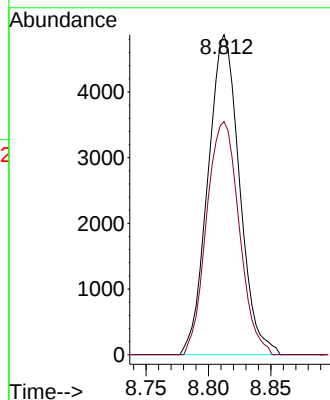
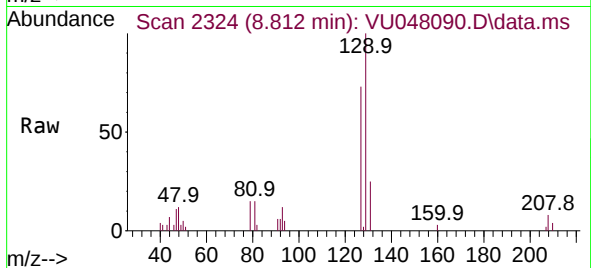
C0J53

Tgt Ion:129 Resp: 8609

Ion Ratio Lower Upper

129 100

127 72.9 54.2 100.6



#59

Bromoform

Concen: 1.215 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.003 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

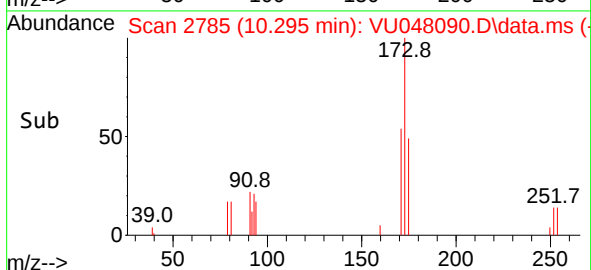
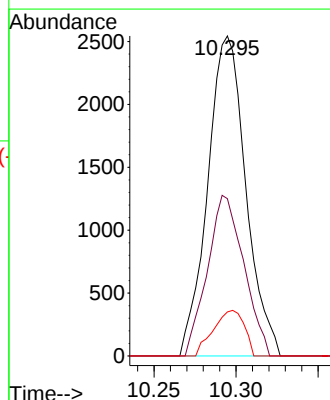
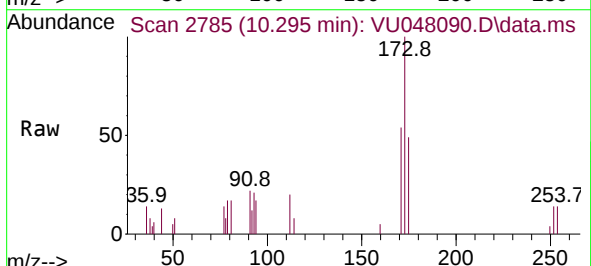
Tgt Ion:173 Resp: 4108

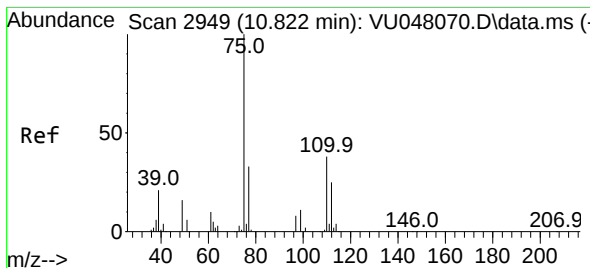
Ion Ratio Lower Upper

173 100

175 47.8 38.7 58.1

254 11.6 9.6 14.4

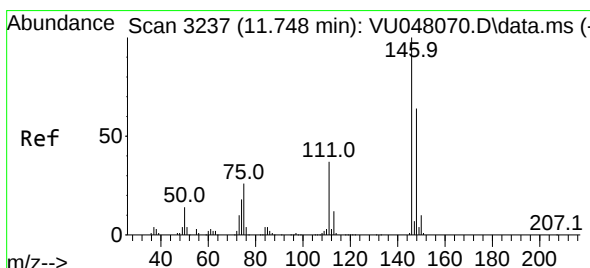
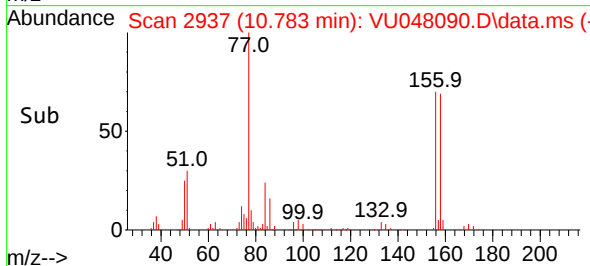
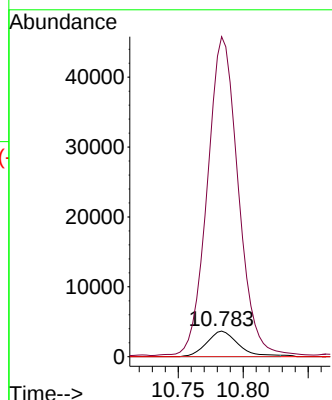
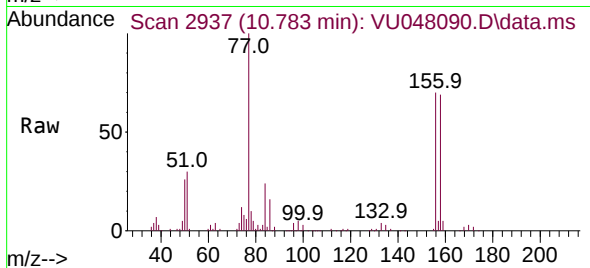




#60
1,2,3-Trichloropropane
Concen: 1.241 ug/L
RT: 10.783 min Scan# 2949
Delta R.T. -0.039 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

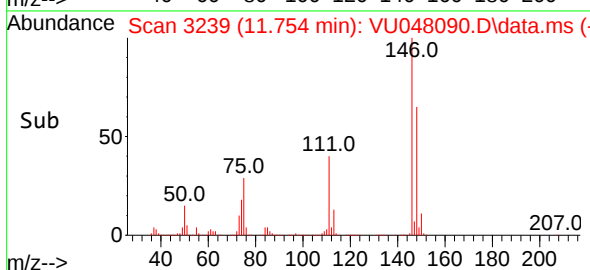
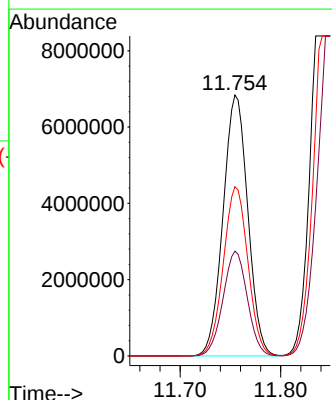
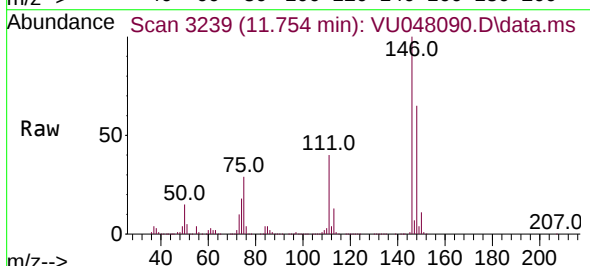
Instrument :
MSVOA_U
ClientSampleId :
C0J53

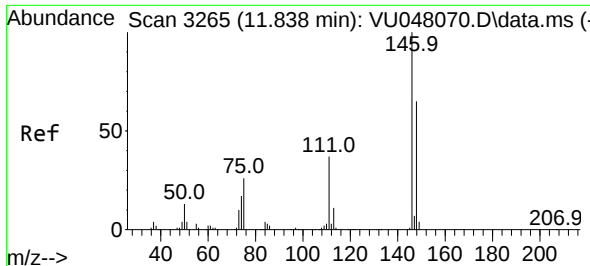
Tgt Ion: 75 Resp: 6189
Ion Ratio Lower Upper
75 100
77 1210.9 26.0 39.0#
110 0.0 31.4 47.2#



#64
1,3-Dichlorobenzene
Concen: 1472.633 ug/L
RT: 11.754 min Scan# 3239
Delta R.T. 0.006 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Tgt Ion: 146 Resp: 11701183
Ion Ratio Lower Upper
146 100
111 40.1 26.7 49.7
148 64.8 44.4 82.5

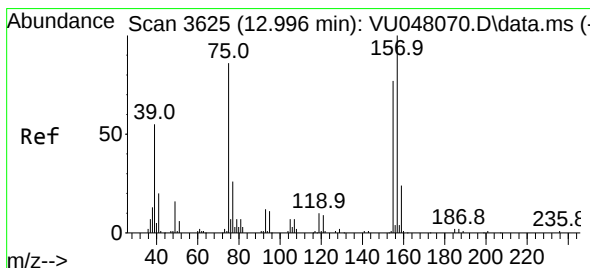
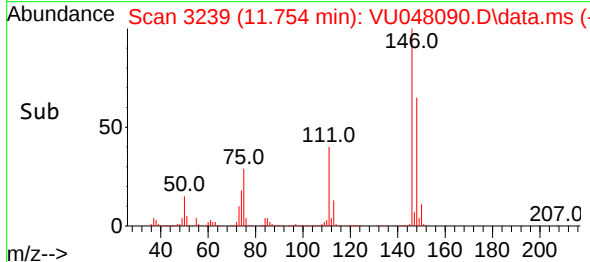
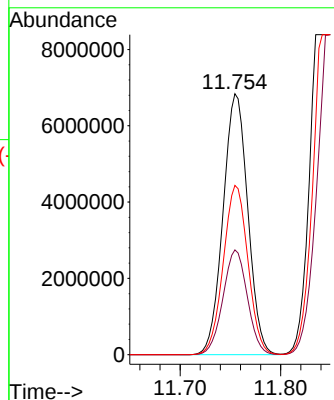
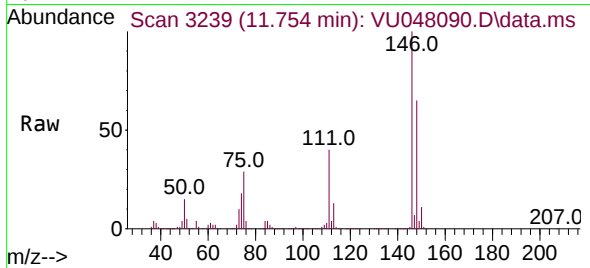




#65
1,4-Dichlorobenzene
Concen: 1421.740 ug/L
RT: 11.754 min Scan# 311
Delta R.T. -0.084 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

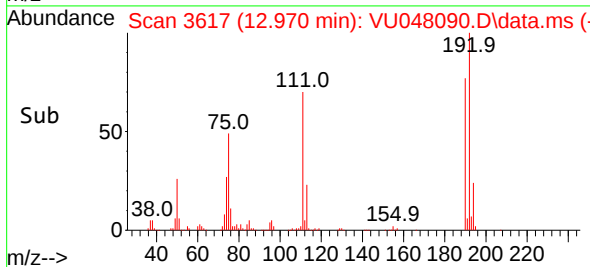
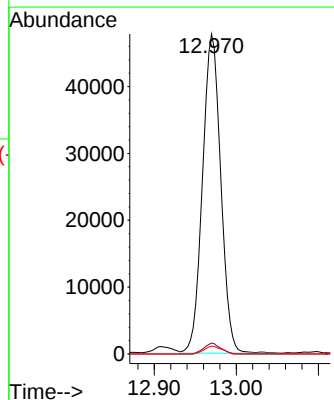
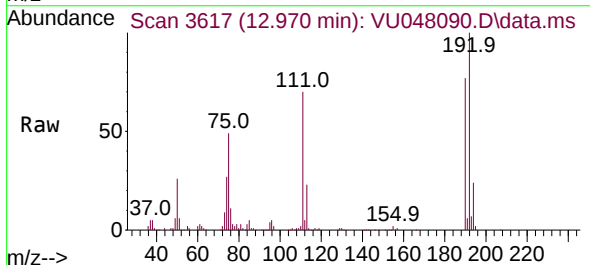
Instrument :
MSVOA_U
ClientSampleId :
C0J53

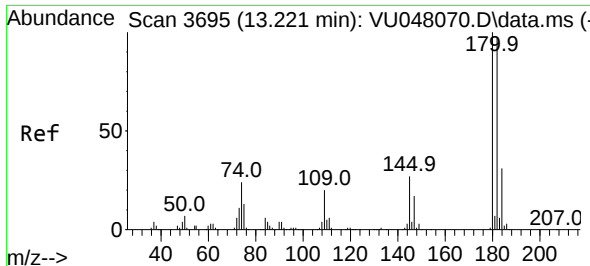
Tgt Ion:146 Resp:11701183
Ion Ratio Lower Upper
146 100
111 40.1 25.3 47.1
148 64.8 44.5 82.7



#68
1,2-Dibromo-3-chloropropane
Concen: 46.175 ug/L
RT: 12.970 min Scan# 3617
Delta R.T. -0.026 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Tgt Ion: 75 Resp: 73755
Ion Ratio Lower Upper
75 100
155 3.4 78.9 118.3#
157 2.4 97.5 146.3#

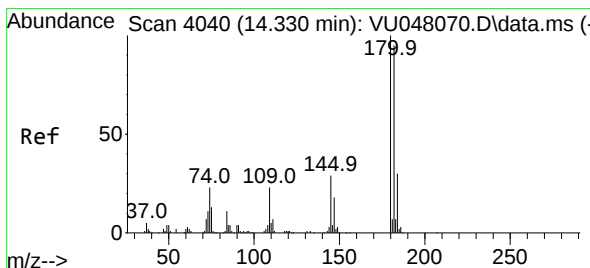
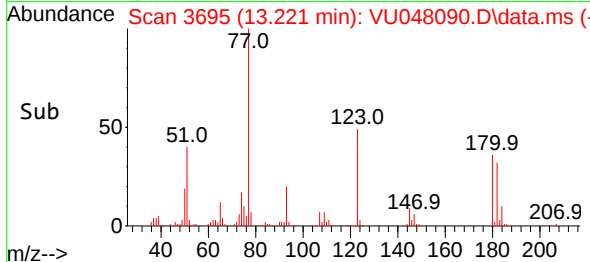
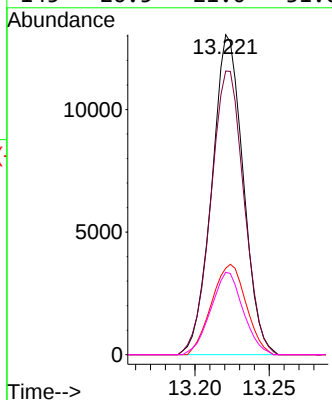
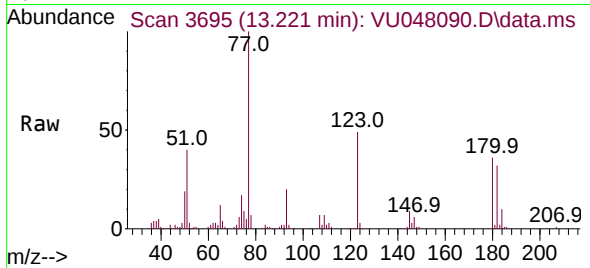




#69
 1,3,5-Trichlorobenzene
 Concen: 2.969 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048090.D
 Acq: 15 Apr 2022 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J53

Tgt Ion:180	Resp:	19160
Ion Ratio	Lower	Upper
180	100	
182	93.6	77.0 115.6
184	31.0	24.5 36.7
145	26.5	21.0 31.6



#72
 1,2,3-Trichlorobenzene
 Concen: 1229.423 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.003 min
 Lab File: VU048090.D
 Acq: 15 Apr 2022 03:39

Tgt Ion:180	Resp:	6966299
Ion Ratio	Lower	Upper
180	100	
182	96.0	77.4 116.0
145	29.9	22.8 34.2

