

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047714.D
 Acq On : 26 Mar 2022 17:13
 Operator : SY/MD
 Sample : N2081-12DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X9DL

Quant Time: Mar 28 05:10:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 28 05:05:44 2022
 Response via : Initial Calibration

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

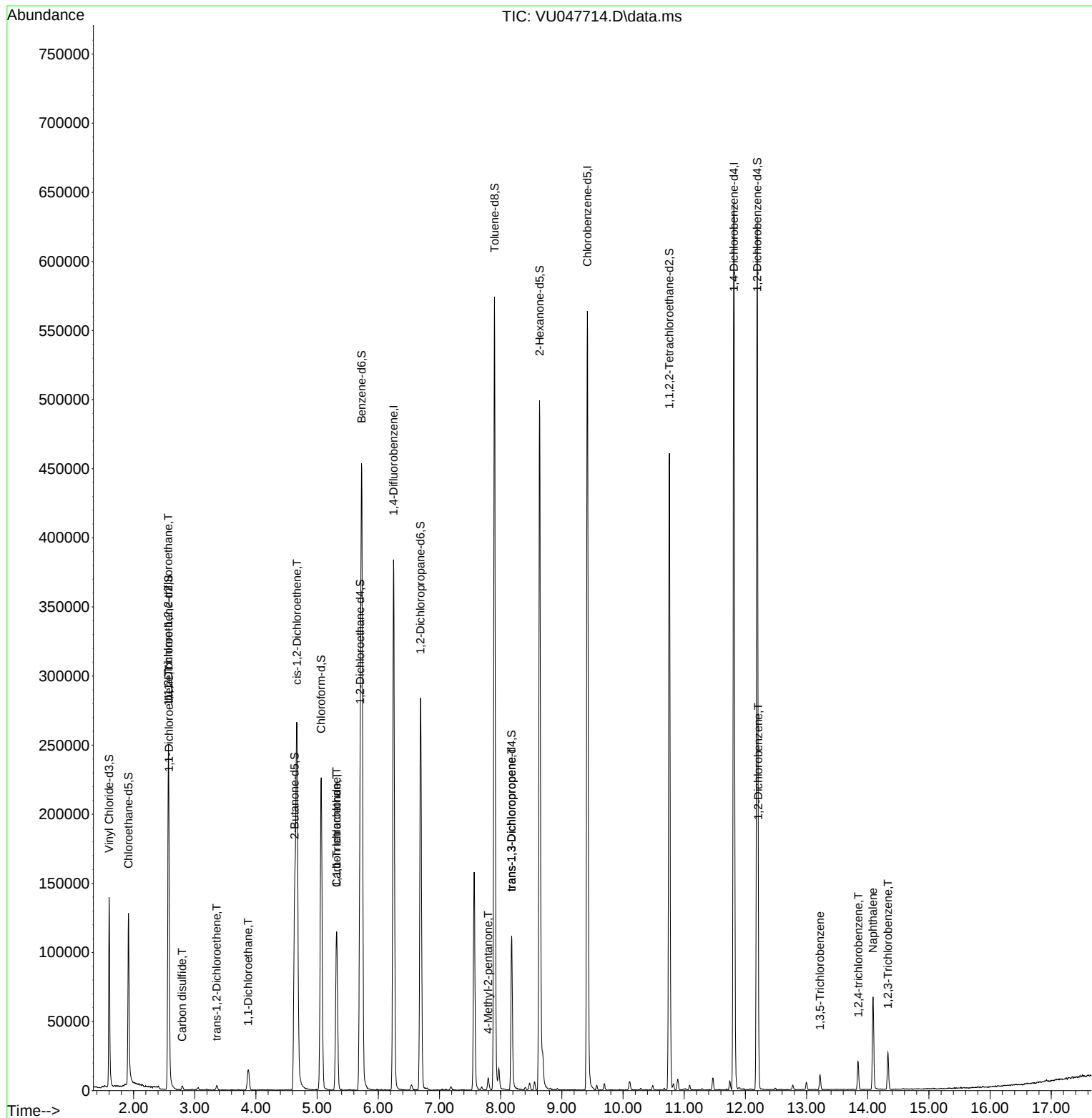
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	321703	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	330121	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	180362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	100976	43.284	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.560%
7) Chloroethane-d5	1.916	69	95017	51.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.300%
11) 1,1-Dichloroethene-d2	2.572	63	142520	33.391	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.780%
21) 2-Butanone-d5	4.633	46	237536	118.628	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.630%
24) Chloroform-d	5.067	84	211328	49.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.020%
26) 1,2-Dichloroethane-d4	5.703	65	138351	52.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.700%
32) Benzene-d6	5.729	84	420015	50.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.120%
36) 1,2-Dichloropropane-d6	6.690	67	137454	53.881	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.760%
41) Toluene-d8	7.899	98	384433	47.500	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	8.179	79	63522	49.149	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.300%
47) 2-Hexanone-d5	8.636	63	180161	120.638	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.640%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	225473	51.500	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	171252	53.369	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.740%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1609	0.679	ug/L #	18
12) 1,1-Dichloroethene	2.578	96	2682	1.215	ug/L #	1
14) Carbon disulfide	2.794	76	3367	0.483	ug/L #	91
17) trans-1,2-Dichloroethene	3.359	96	1449	0.609	ug/L	89
19) 1,1-Dichloroethane	3.874	63	17729	4.319	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	124577	47.741	ug/L	94
30) 1,1,1-Trichloroethane	5.318	97	83485	22.303	ug/L	99
31) Carbon tetrachloride	5.318	117	11619	3.437	ug/L	100
40) 4-Methyl-2-pentanone	7.797	43	5976	1.557	ug/L	94
44) trans-1,3-Dichloropropene	8.179	75	3476	0.924	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	3890	0.718	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.221	180	4070	0.925	ug/L	97
70) 1,2,4-trichlorobenzene	13.845	180	6918	1.795	ug/L	96
71) Naphthalene	14.086	128	58213	5.066	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	9133	2.364	ug/L	99

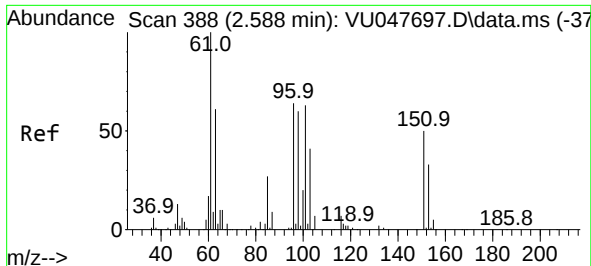
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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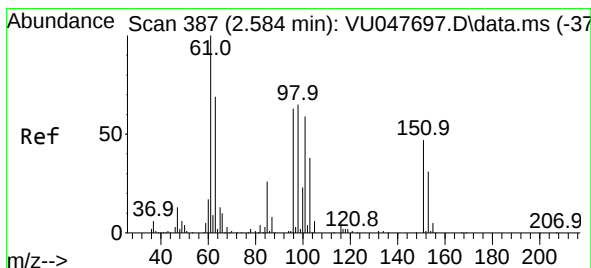
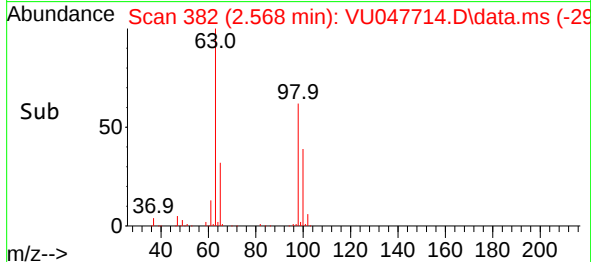
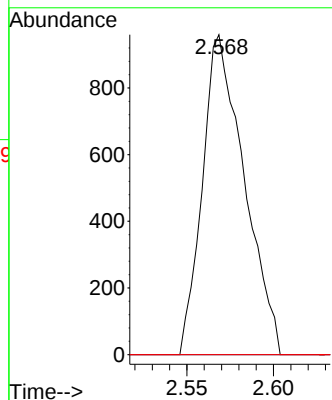
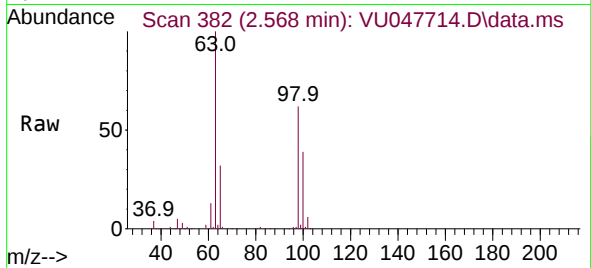




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.679 ug/L
 RT: 2.568 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VU047714.D
 Acq: 26 Mar 2022 17:13

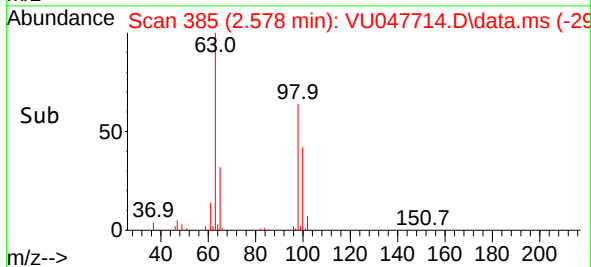
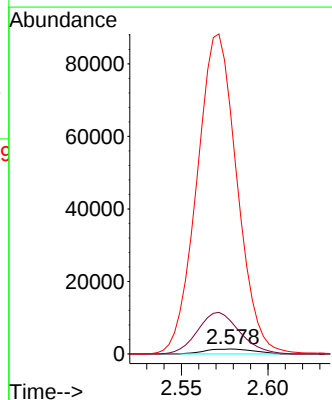
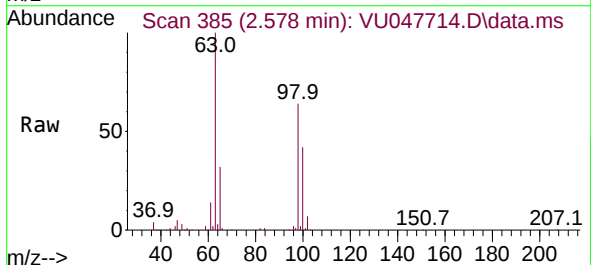
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X9DL

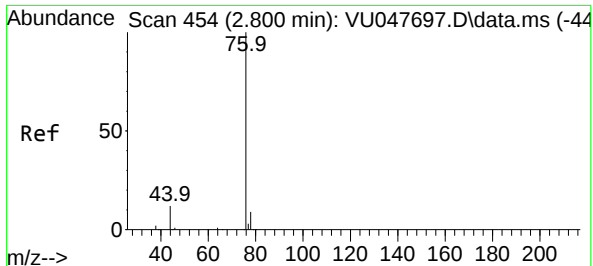
Tgt Ion:101 Resp: 1609
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 1.215 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.006 min
 Lab File: VU047714.D
 Acq: 26 Mar 2022 17:13

Tgt Ion: 96 Resp: 2682
 Ion Ratio Lower Upper
 96 100
 61 680.4 113.1 210.1#
 63 4992.6 94.8 176.0#

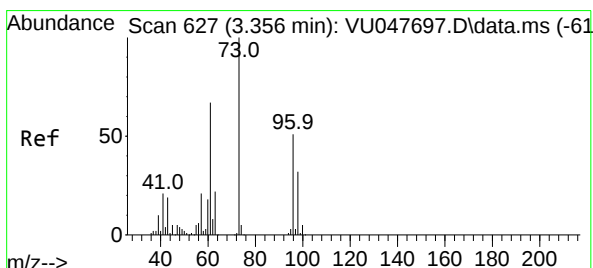
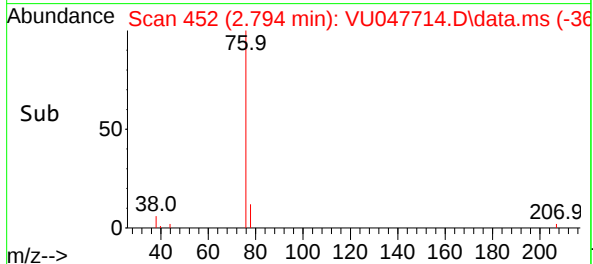
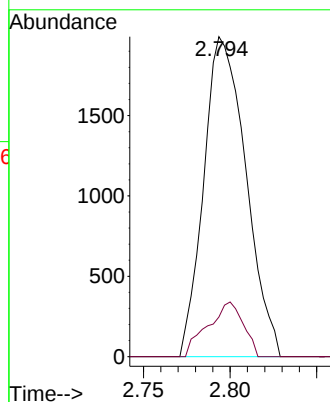
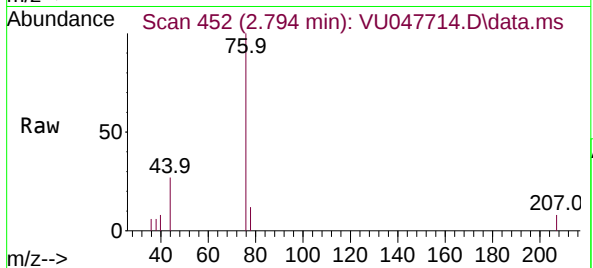




#14
Carbon disulfide
Concen: 0.483 ug/L
RT: 2.794 min Scan# 41
Delta R.T. -0.006 min
Lab File: VU047714.D
Acq: 26 Mar 2022 17:13

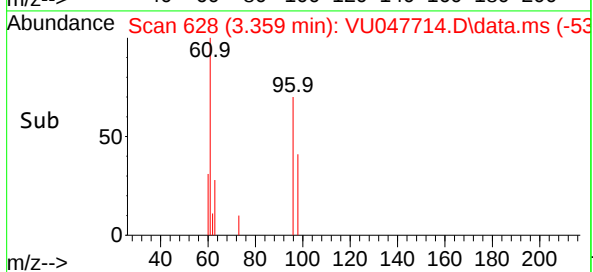
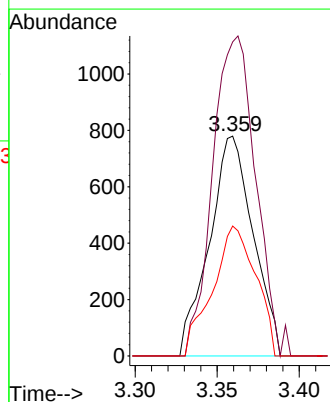
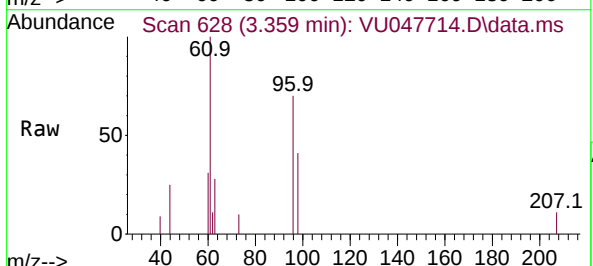
Instrument :
MSVOA_U
ClientSampleId :
EW5X9DL

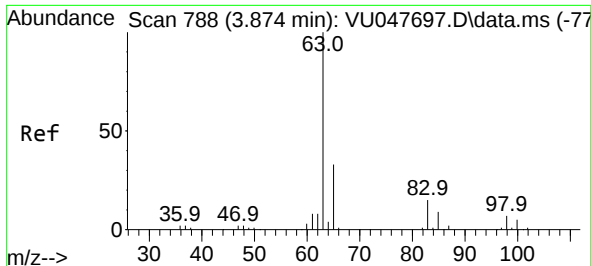
Tgt Ion: 76 Resp: 3367
Ion Ratio Lower Upper
76 100
78 12.4 7.4 11.0#



#17
trans-1,2-Dichloroethene
Concen: 0.609 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU047714.D
Acq: 26 Mar 2022 17:13

Tgt Ion: 96 Resp: 1449
Ion Ratio Lower Upper
96 100
61 142.8 88.4 164.2
98 59.1 43.3 80.5





#19

1,1-Dichloroethane

Concen: 4.319 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047714.D

Acq: 26 Mar 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

EW5X9DL

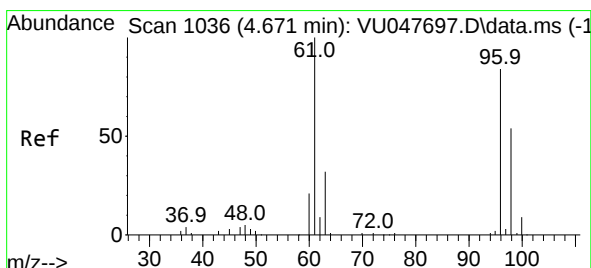
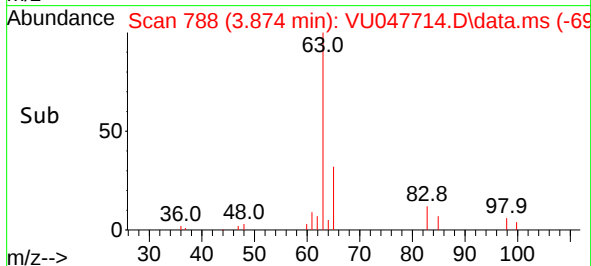
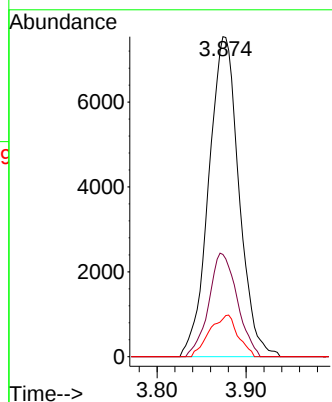
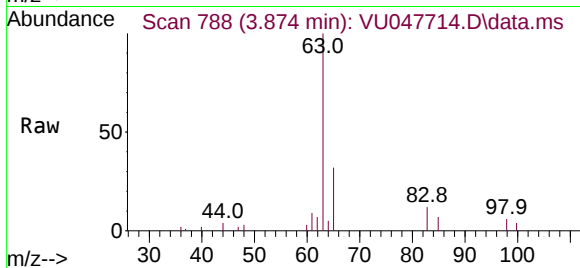
Tgt Ion: 63 Resp: 17729

Ion Ratio Lower Upper

63 100

65 32.0 22.0 41.0

83 11.8 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 47.741 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047714.D

Acq: 26 Mar 2022 17:13

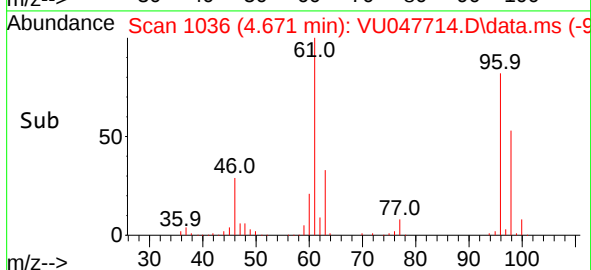
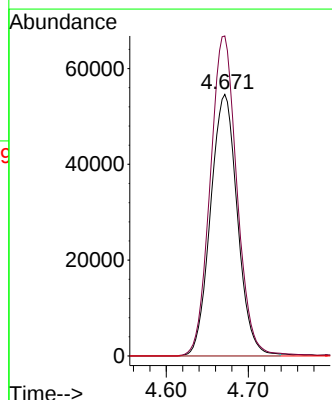
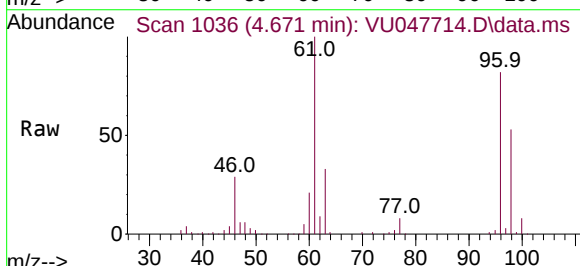
Tgt Ion: 96 Resp: 124577

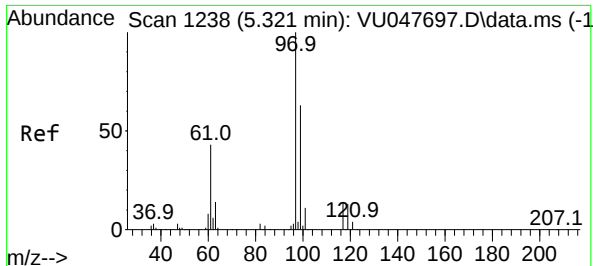
Ion Ratio Lower Upper

96 100

61 122.3 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 22.303 ug/L

RT: 5.318 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU047714.D

Acq: 26 Mar 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

EW5X9DL

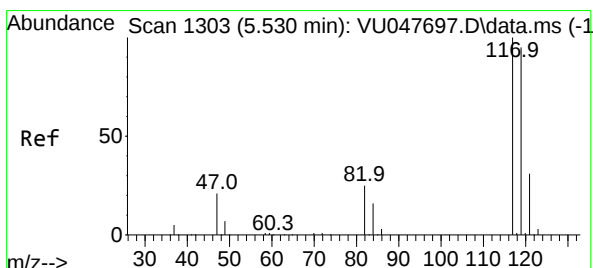
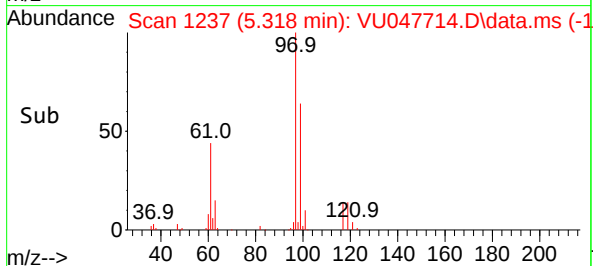
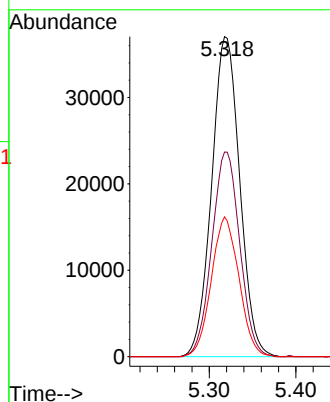
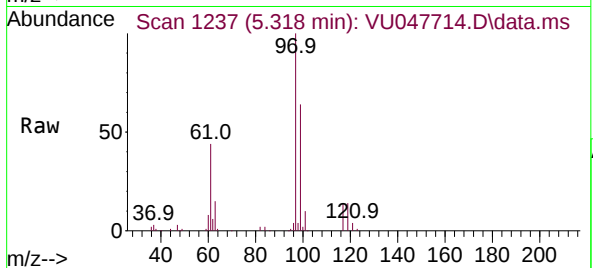
Tgt Ion: 97 Resp: 83485

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 42.9 34.2 51.4



#31

Carbon tetrachloride

Concen: 3.437 ug/L

RT: 5.318 min Scan# 1237

Delta R.T. -0.212 min

Lab File: VU047714.D

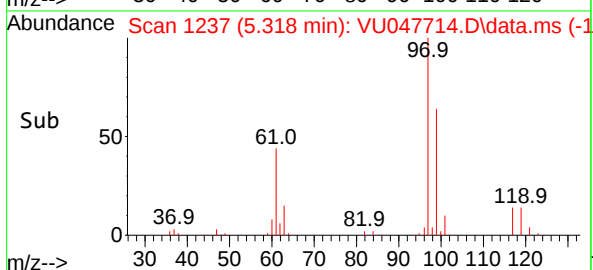
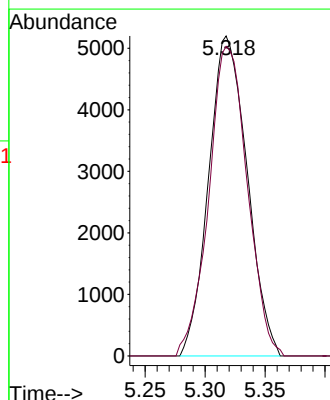
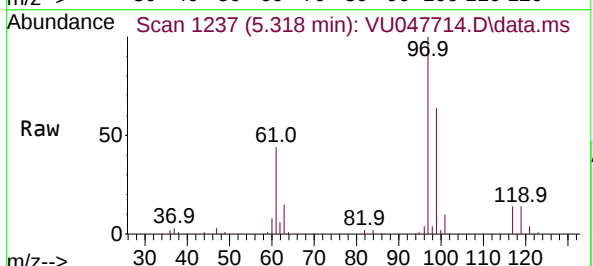
Acq: 26 Mar 2022 17:13

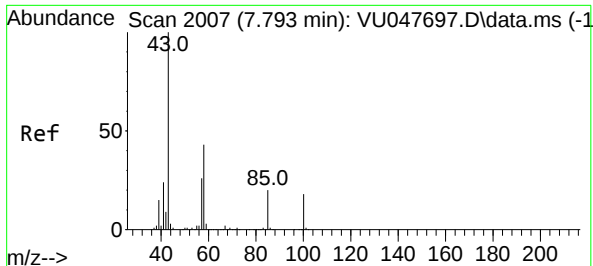
Tgt Ion: 117 Resp: 11619

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8





#40

4-Methyl-2-pentanone

Concen: 1.557 ug/L

RT: 7.797 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU047714.D

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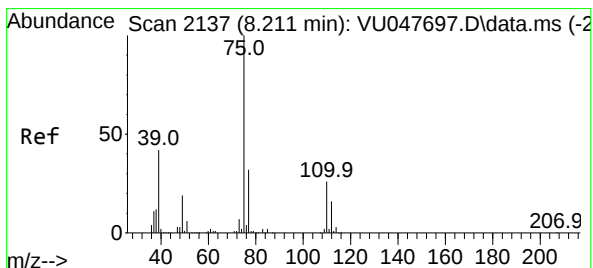
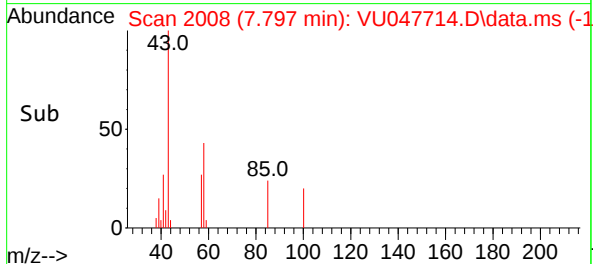
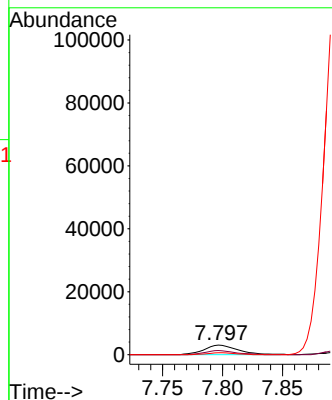
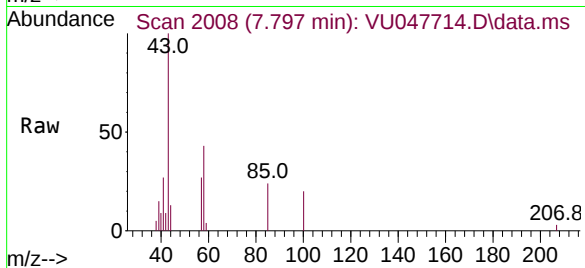
Tgt Ion: 43 Resp: 5976

Ion Ratio Lower Upper

43 100

58 38.4 34.7 52.1

100 16.5 14.2 21.2



#44

trans-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU047714.D

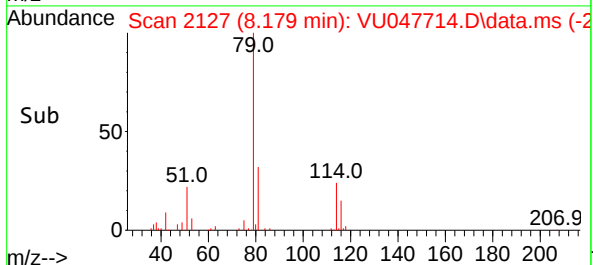
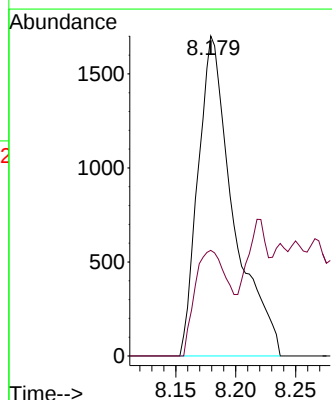
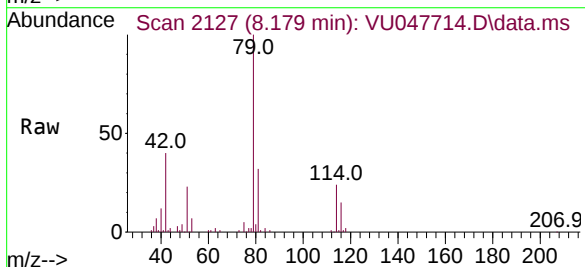
Acq: 26 Mar 2022 17:13

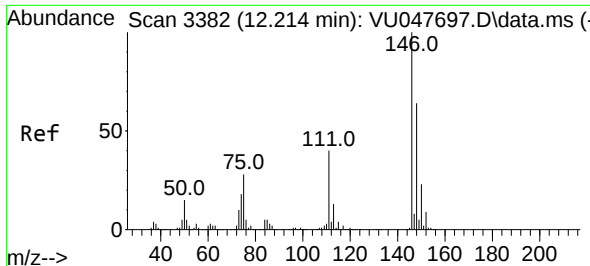
Tgt Ion: 75 Resp: 3476

Ion Ratio Lower Upper

75 100

77 33.0 22.0 40.8





#67

1,2-Dichlorobenzene

Concen: 0.718 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU047714.D

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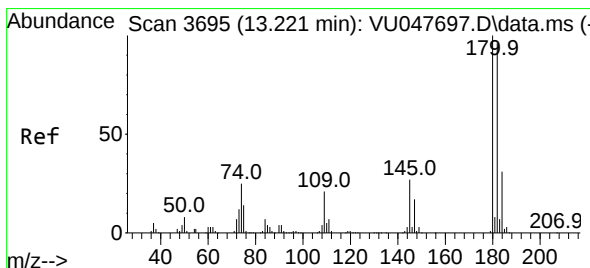
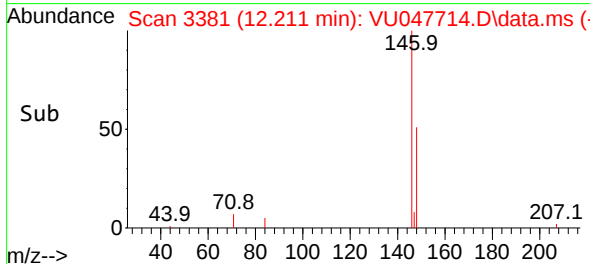
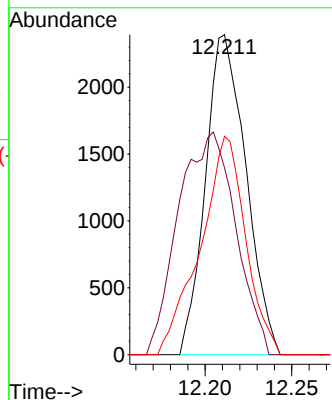
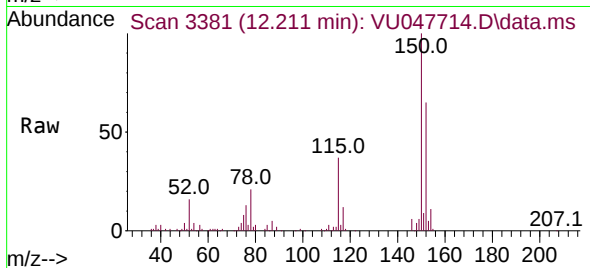
Tgt Ion:146 Resp: 3890

Ion Ratio Lower Upper

146 100

111 58.4 31.7 47.5#

148 68.2 51.4 77.2



#69

1,3,5-Trichlorobenzene

Concen: 0.925 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

Lab File: VU047714.D

Acq: 26 Mar 2022 17:13

Tgt Ion:180 Resp: 4070

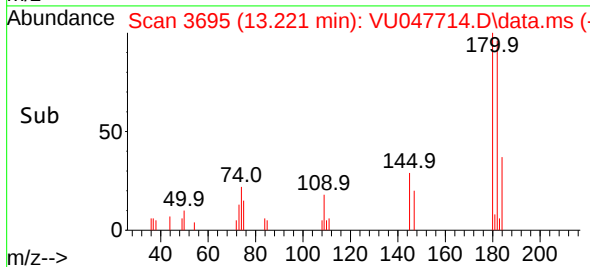
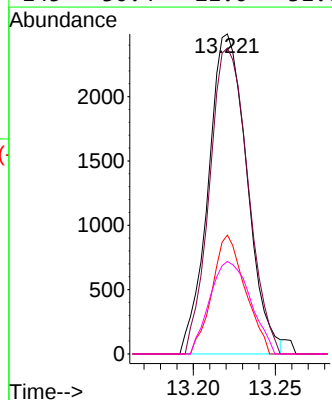
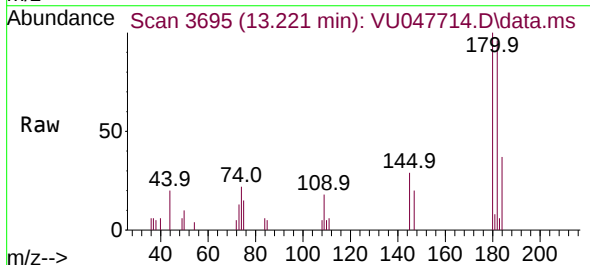
Ion Ratio Lower Upper

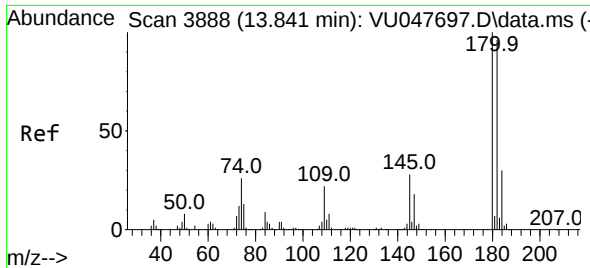
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182 94.9 77.0 115.6

184 31.7 24.5 36.7

145 30.4 21.0 31.6

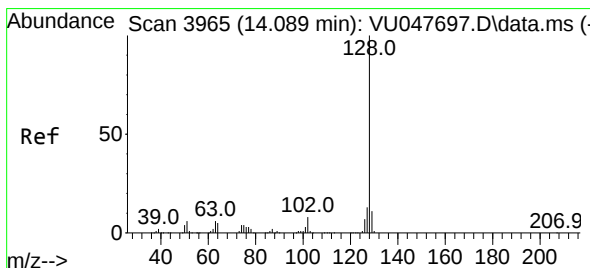
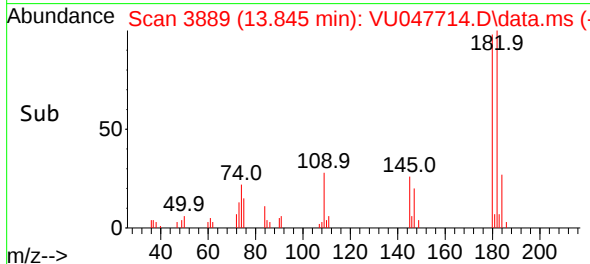
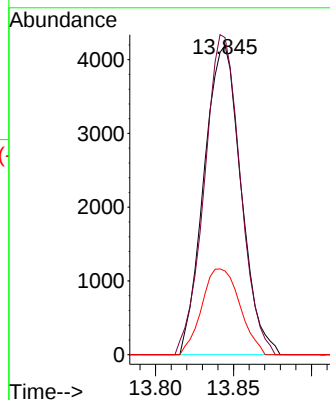
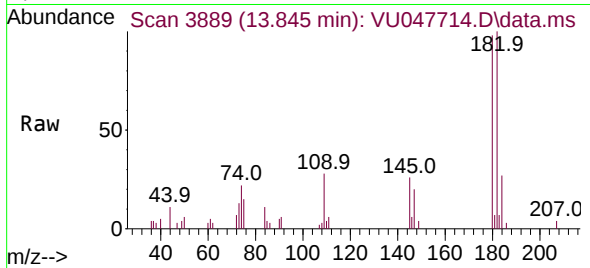




#70
1,2,4-trichlorobenzene
Concen: 1.795 ug/L
RT: 13.845 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU047714.D
Acq: 26 Mar 2022 17:13

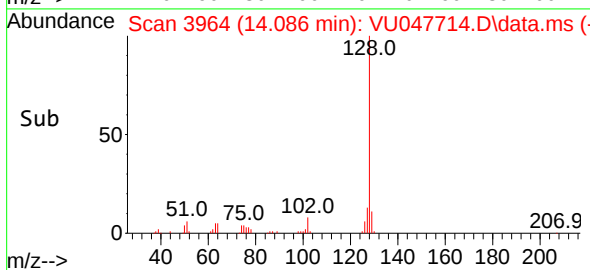
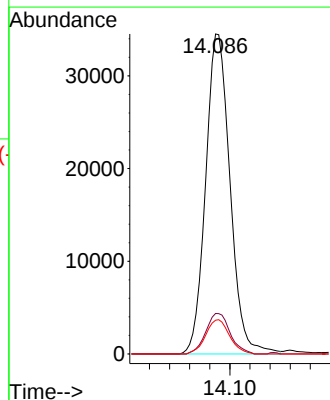
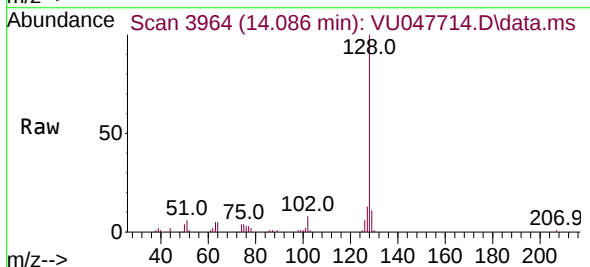
Instrument :
MSVOA_U
ClientSampleId :
EW5X9DL

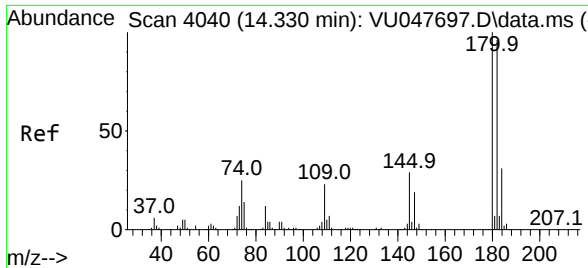
Tgt Ion:180 Resp: 6918
Ion Ratio Lower Upper
180 100
182 100.2 76.2 114.2
145 28.5 21.8 32.8



#71
Naphthalene
Concen: 5.066 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU047714.D
Acq: 26 Mar 2022 17:13

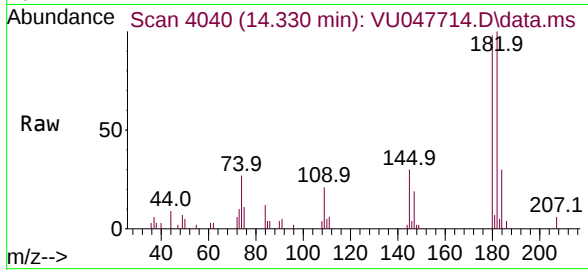
Tgt Ion:128 Resp: 58213
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.5 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 2.364 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU047714.D
 Acq: 26 Mar 2022 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X9DL



Tgt Ion:	180	Resp:	9133
Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.4	116.0
145	27.8	22.8	34.2

