

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
 Data File : VU047728.D
 Acq On : 28 Mar 2022 15:30
 Operator : SY/MD
 Sample : N2081-14DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y1DL

Quant Time: Mar 29 01:45:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 29 01:43:13 2022
 Response via : Initial Calibration

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

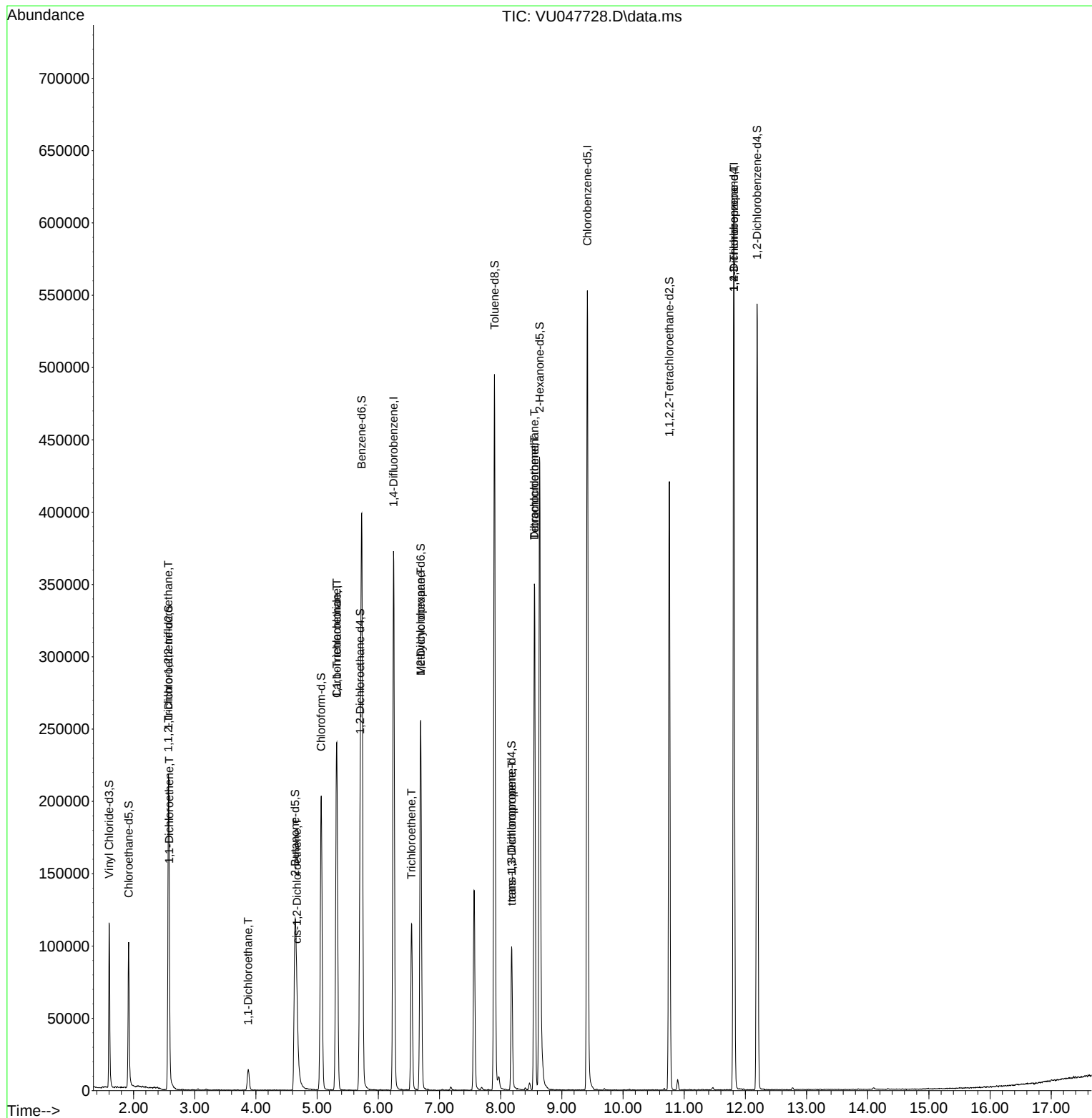
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	310873	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	325500	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	173629	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	84722	37.582	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.160%
7) Chloroethane-d5	1.919	69	75900	42.699	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.572	63	126997	30.791	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.580%
21) 2-Butanone-d5	4.639	46	228261	117.967	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.970%
24) Chloroform-d	5.067	84	188234	45.634	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.260%
26) 1,2-Dichloroethane-d4	5.703	65	124641	49.268	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.540%
32) Benzene-d6	5.729	84	372587	45.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.980%
36) 1,2-Dichloropropane-d6	6.694	67	120661	47.969	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.940%
41) Toluene-d8	7.899	98	332464	41.662	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.320%
43) trans-1,3-Dichloroprop...	8.179	79	56141	44.055	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.120%
47) 2-Hexanone-d5	8.636	63	163426	110.985	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.990%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	205265	47.550	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.100%
66) 1,2-Dichlorobenzene-d4	12.192	152	151654	49.094	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.180%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1229	0.536	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	5331	2.500	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	16889	4.258	ug/L	95
20) cis-1,2-Dichloroethene	4.671	96	8383	3.324	ug/L	91
30) 1,1,1-Trichloroethane	5.321	97	174551	47.293	ug/L	100
31) Carbon tetrachloride	5.321	117	23207	6.963	ug/L	95
34) Trichloroethene	6.543	95	38000	15.384	ug/L	100
35) Methylcyclohexane	6.694	83	28839	7.674	ug/L #	21
44) trans-1,3-Dichloropropene	8.182	75	2612	0.704	ug/L	83
46) Tetrachloroethene	8.552	164	83147	37.458	ug/L	99
49) Dibromochloromethane	8.552	129	74389	25.284	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	19276	5.889	ug/L #	65

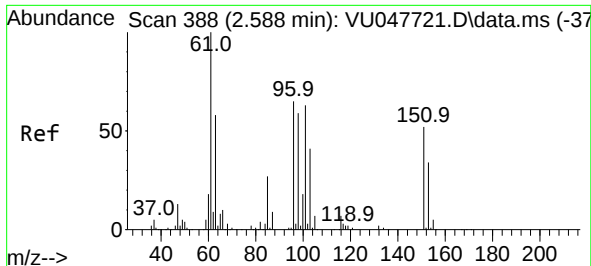
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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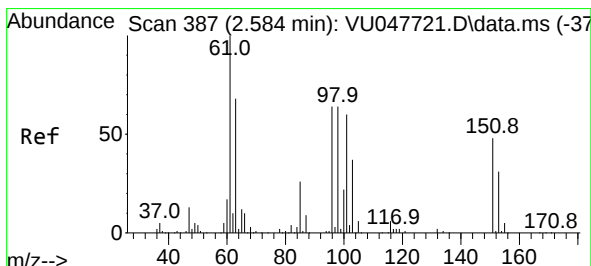
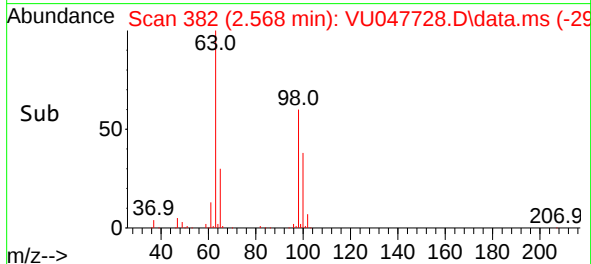
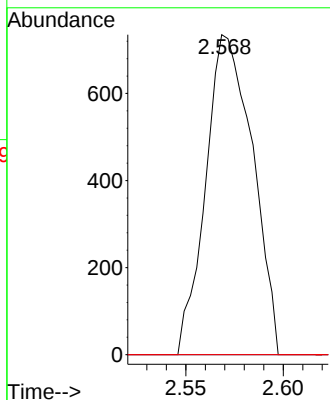
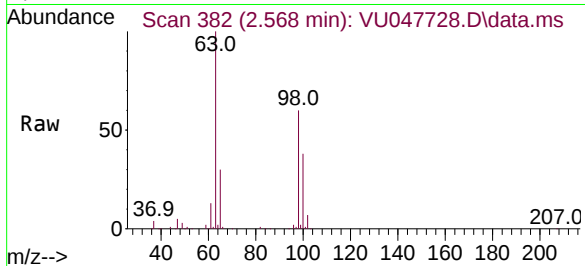




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.536 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU047728.D
 Acq: 28 Mar 2022 15:30

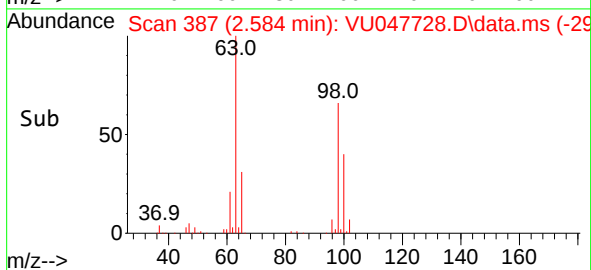
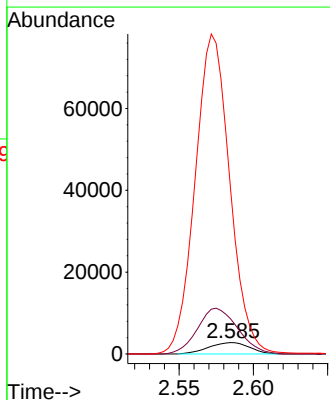
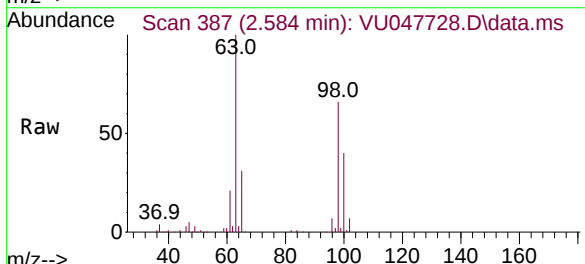
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y1DL

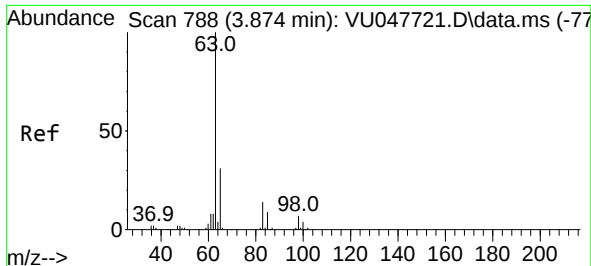
Tgt Ion:101 Resp: 1229
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 2.500 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU047728.D
 Acq: 28 Mar 2022 15:30

Tgt Ion: 96 Resp: 5331
 Ion Ratio Lower Upper
 96 100
 61 310.1 113.1 210.1#
 63 1456.3 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 4.258 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047728.D

Acq: 28 Mar 2022 15:30

Instrument :

MSVOA_U

ClientSampleId :

EW5Y1DL

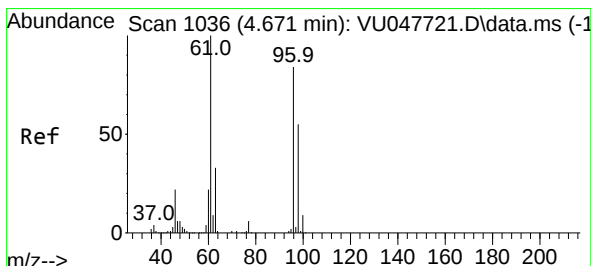
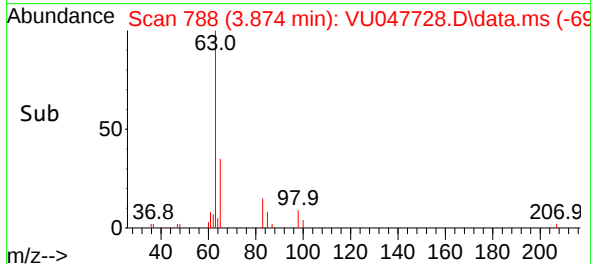
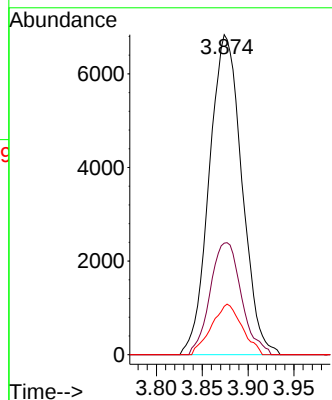
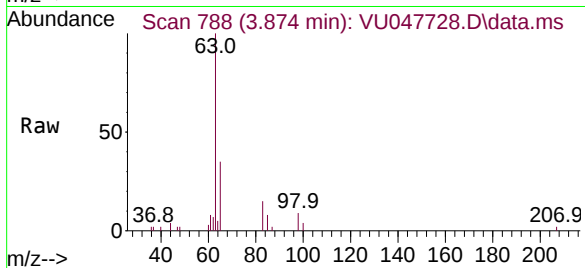
Tgt Ion: 63 Resp: 16889

Ion Ratio Lower Upper

63 100

65 34.9 22.0 41.0

83 15.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 3.324 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047728.D

Acq: 28 Mar 2022 15:30

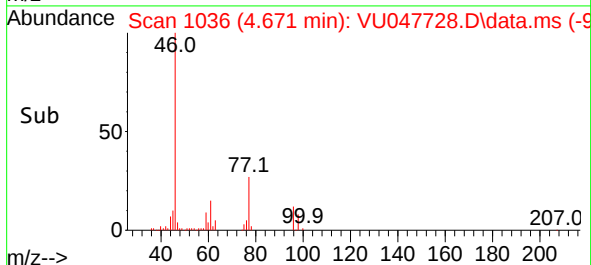
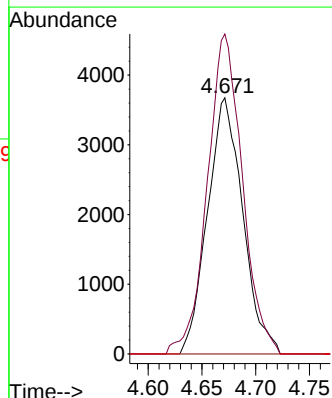
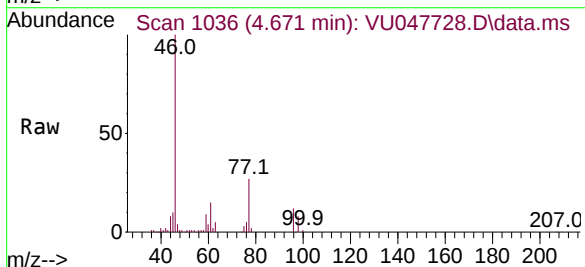
Tgt Ion: 96 Resp: 8383

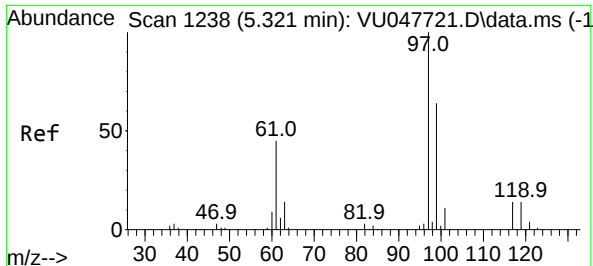
Ion Ratio Lower Upper

96 100

61 124.9 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 47.293 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047728.D

Acq: 28 Mar 2022 15:30

Instrument :

MSVOA_U

ClientSampleId :

EW5Y1DL

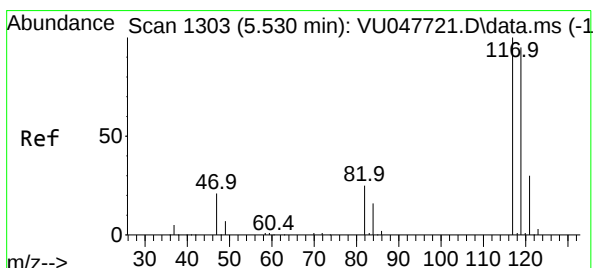
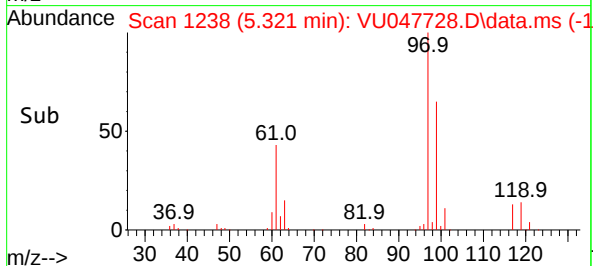
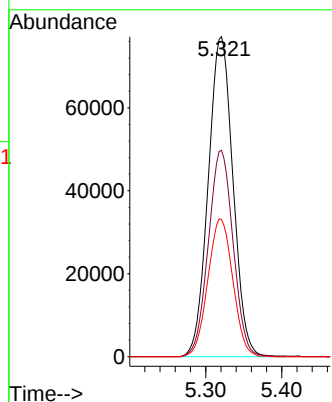
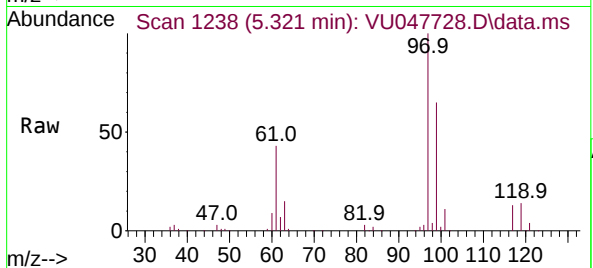
Tgt Ion: 97 Resp: 174551

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 43.4 34.2 51.4



#31

Carbon tetrachloride

Concen: 6.963 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047728.D

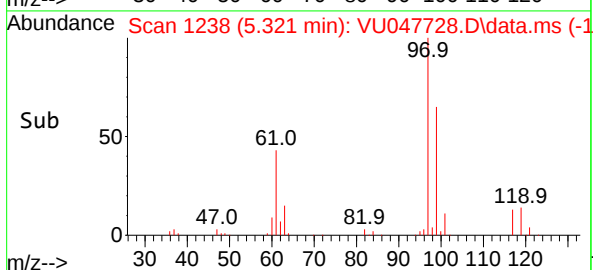
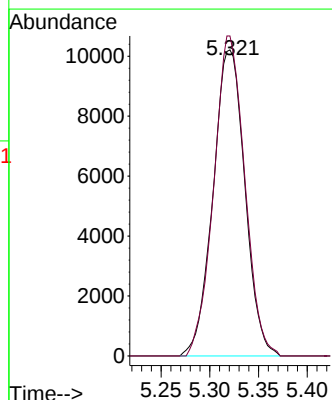
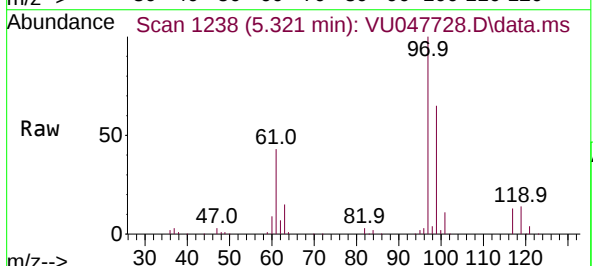
Acq: 28 Mar 2022 15:30

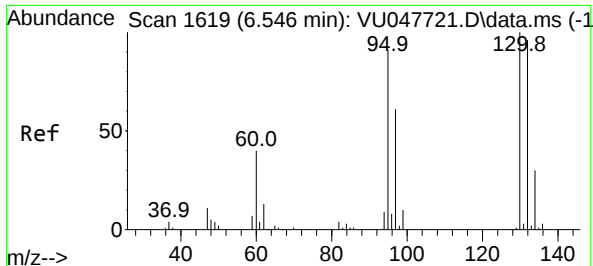
Tgt Ion: 117 Resp: 23207

Ion Ratio Lower Upper

117 100

119 101.7 77.2 115.8

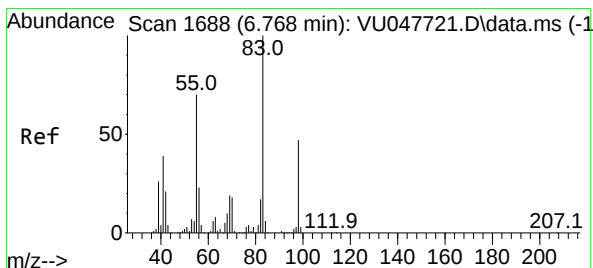
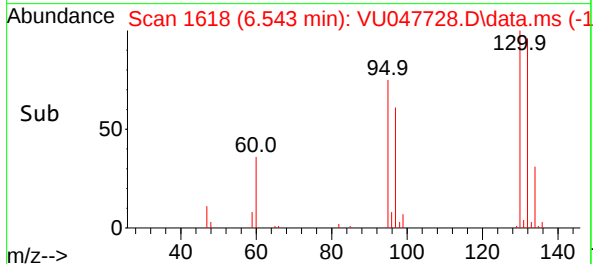
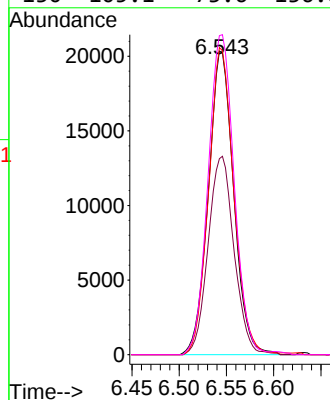
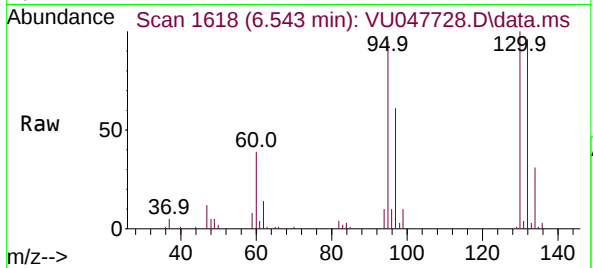




#34
Trichloroethene
Concen: 15.384 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047728.D
Acq: 28 Mar 2022 15:30

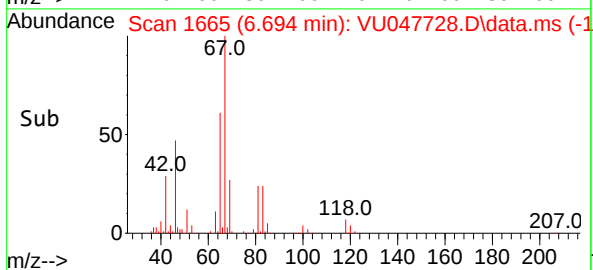
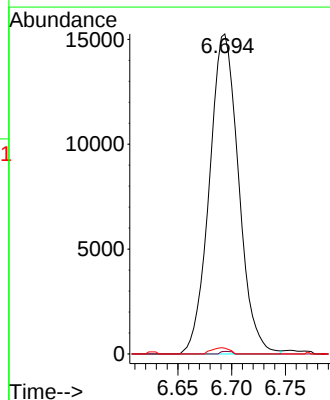
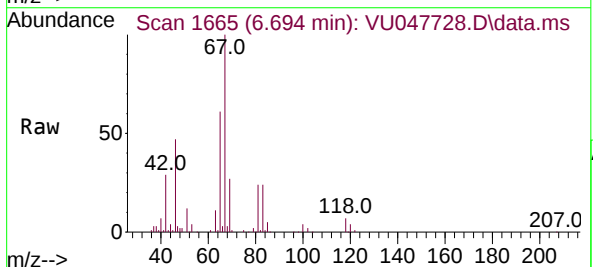
Instrument :
MSVOA_U
ClientSampleId :
EW5Y1DL

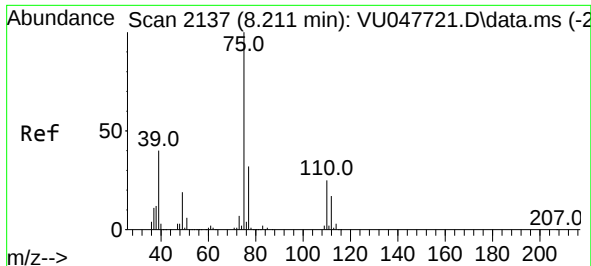
Tgt Ion: 95 Resp: 38000
Ion Ratio Lower Upper
95 100
97 64.5 44.7 82.9
132 101.1 70.4 130.8
130 105.1 73.6 136.8



#35
Methylcyclohexane
Concen: 7.674 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047728.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 83 Resp: 28839
Ion Ratio Lower Upper
83 100
55 0.3 56.8 85.2#
98 1.2 38.1 57.1#

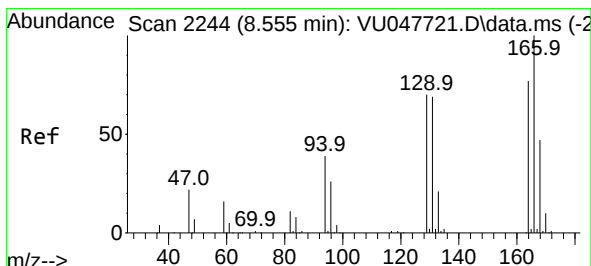
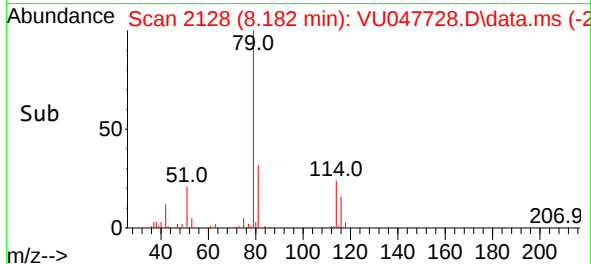
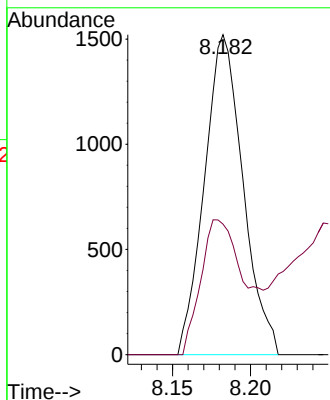
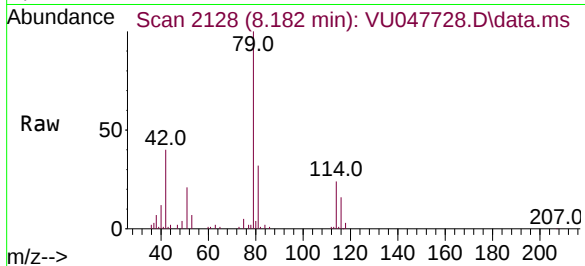




#44
trans-1,3-Dichloropropene
Concen: 0.704 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.029 min
Lab File: VU047728.D
Acq: 28 Mar 2022 15:30

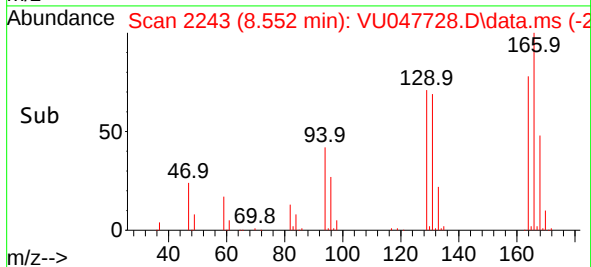
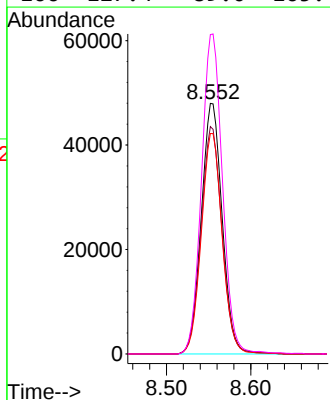
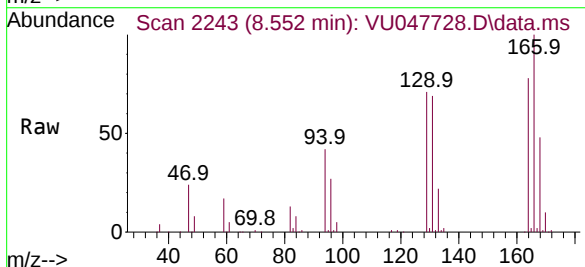
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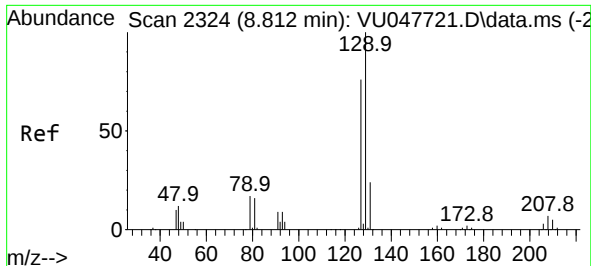
Tgt Ion: 75 Resp: 2612
Ion Ratio Lower Upper
75 100
77 40.8 22.0 40.8



#46
Tetrachloroethene
Concen: 37.458 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047728.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 164 Resp: 83147
Ion Ratio Lower Upper
164 100
129 90.7 62.4 116.0
131 88.0 60.7 112.7
166 127.4 89.0 165.4





#49

Dibromochloromethane

Concen: 25.284 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU047728.D

Acq: 28 Mar 2022 15:30

Instrument :

MSVOA_U

ClientSampleId :

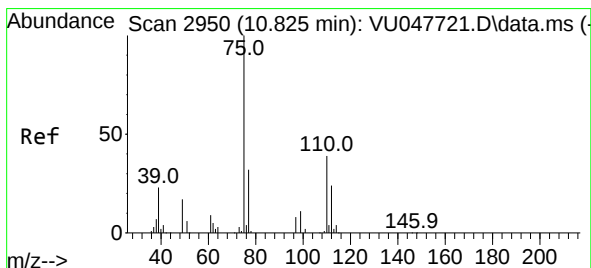
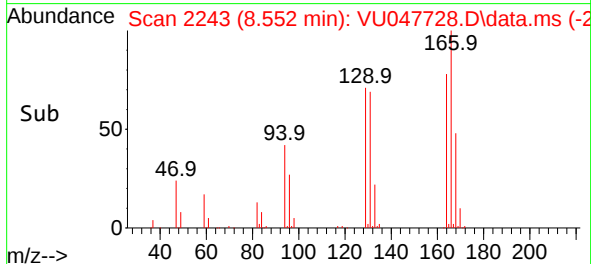
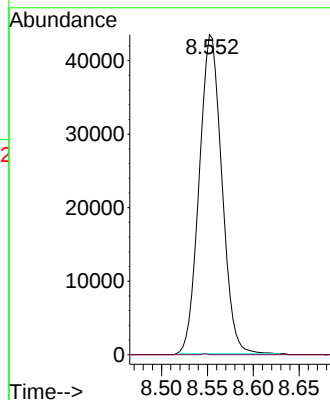
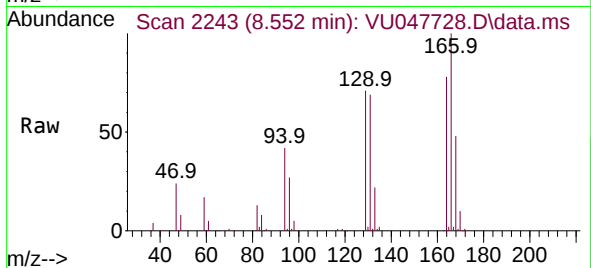
EW5Y1DL

Tgt Ion:129 Resp: 74389

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#60

1,2,3-Trichloropropane

Concen: 5.889 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047728.D

Acq: 28 Mar 2022 15:30

Tgt Ion: 75 Resp: 19276

Ion Ratio Lower Upper

75 100

77 29.6 26.0 39.0

110 2.5 31.4 47.2#

