

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
 Data File : VU047729.D
 Acq On : 28 Mar 2022 15:52
 Operator : SY/MD
 Sample : N2081-21DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

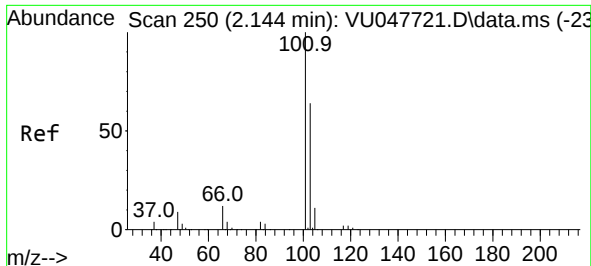
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y8DL

Quant Time: Mar 29 01:45:13 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	316766	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	332152	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	176495	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	86083	37.475	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.960%		
7) Chloroethane-d5	1.919	69	77252	42.651	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.300%		
11) 1,1-Dichloroethene-d2	2.575	63	151653	36.085	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.160%		
21) 2-Butanone-d5	4.639	46	228954	116.124	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.120%		
24) Chloroform-d	5.067	84	192435	45.785	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.560%		
26) 1,2-Dichloroethane-d4	5.703	65	126662	49.136	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.280%		
32) Benzene-d6	5.729	84	381160	45.605	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.200%		
36) 1,2-Dichloropropane-d6	6.693	67	123560	48.138	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.280%		
41) Toluene-d8	7.899	98	341981	41.997	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.000%		
43) trans-1,3-Dichloroprop...	8.179	79	56546	43.484	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.960%		
47) 2-Hexanone-d5	8.636	63	163832	109.033	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.030%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	207836	47.181	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.360%		
66) 1,2-Dichlorobenzene-d4	12.192	152	152605	48.600	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.200%		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	1763	0.436	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	1177	0.504	ug/L #	18
12) 1,1-Dichloroethene	2.588	96	52083	23.970	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	1213	0.518	ug/L	90
19) 1,1-Dichloroethane	3.877	63	87325	21.604	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	62082	24.162	ug/L	93
30) 1,1,1-Trichloroethane	5.317	97	251262	66.714	ug/L	97
31) Carbon tetrachloride	5.317	117	35785	10.522	ug/L	99
34) Trichloroethene	6.546	95	56136	22.271	ug/L	99
39) cis-1,3-Dichloropropene	7.565	75	3478	0.917	ug/L #	63
44) trans-1,3-Dichloropropene	8.179	75	2639	0.697	ug/L	89
45) 1,1,2-Trichloroethane	8.398	97	1312	0.506	ug/L	95
46) Tetrachloroethene	8.555	164	31888	14.078	ug/L	97
49) Dibromochloromethane	8.555	129	29209	9.729	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	19087	5.737	ug/L #	67

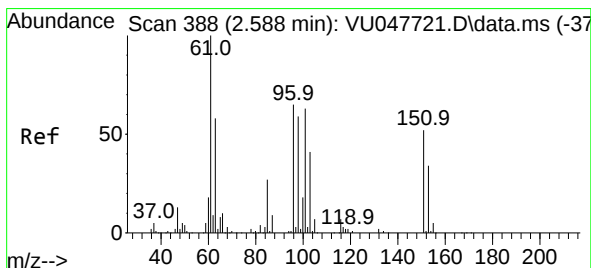
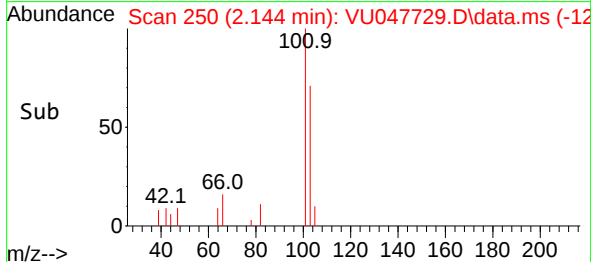
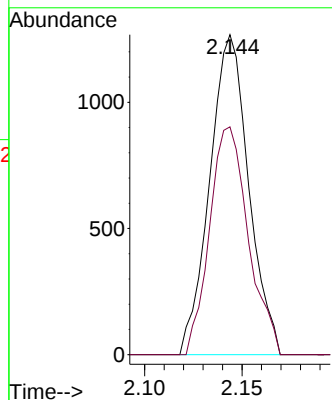
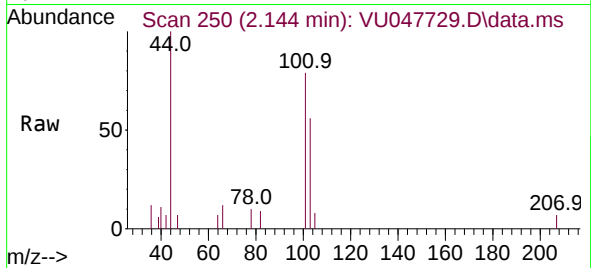
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#9
 Trichlorofluoromethane
 Concen: 0.436 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU047729.D
 Acq: 28 Mar 2022 15:52

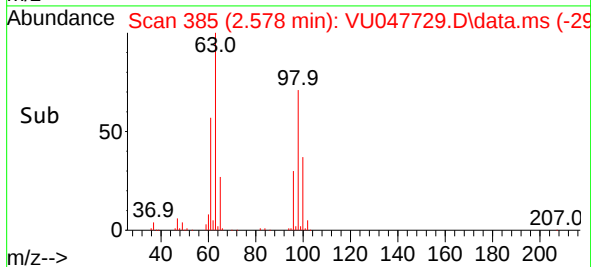
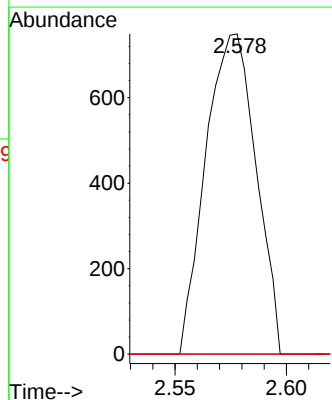
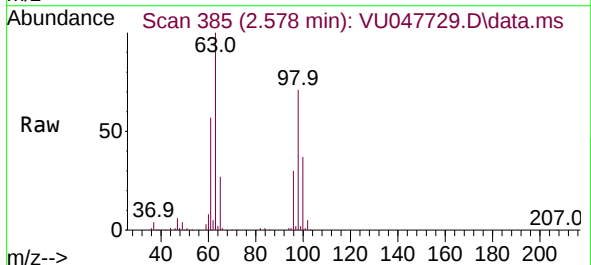
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y8DL

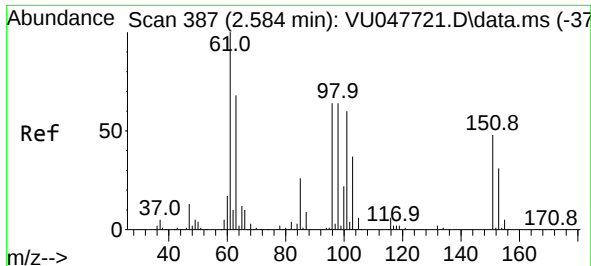
Tgt Ion:101 Resp: 1763
 Ion Ratio Lower Upper
 101 100
 103 70.8 51.4 77.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.504 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU047729.D
 Acq: 28 Mar 2022 15:52

Tgt Ion:101 Resp: 1177
 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: 23.970 ug/L

RT: 2.588 min Scan# 387

Delta R.T. 0.003 min

Lab File: VU047729.D

Acq: 28 Mar 2022 15:52

Instrument :

MSVOA_U

ClientSampleId :

EW5Y8DL

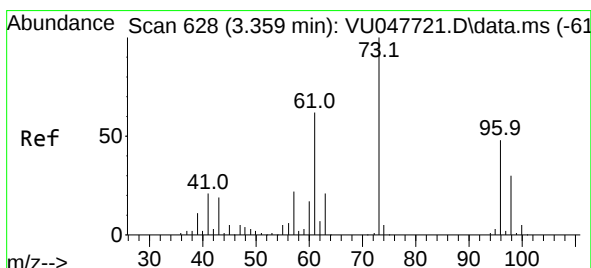
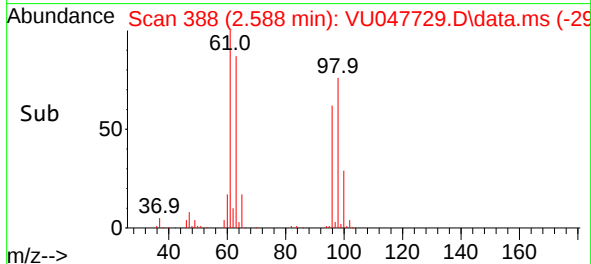
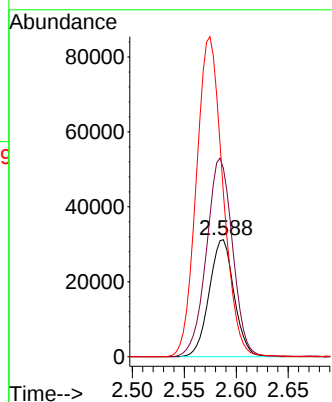
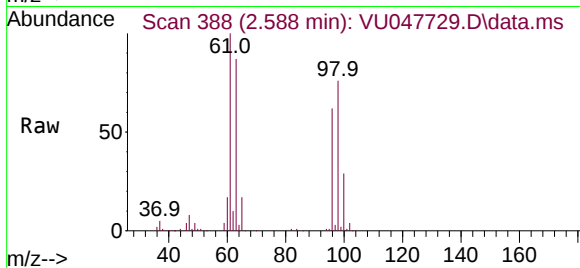
Tgt Ion: 96 Resp: 52083

Ion Ratio Lower Upper

96 100

61 161.1 113.1 210.1

63 139.7 94.8 176.0



#17

trans-1,2-Dichloroethene

Concen: 0.518 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU047729.D

Acq: 28 Mar 2022 15:52

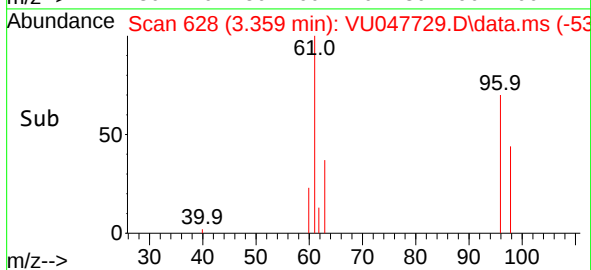
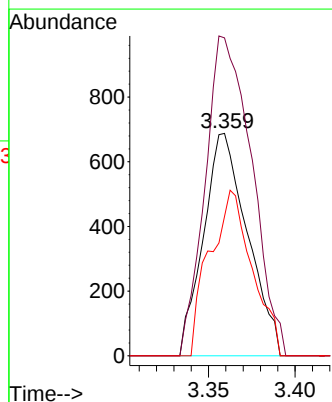
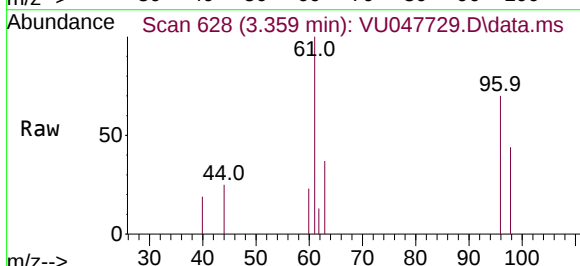
Tgt Ion: 96 Resp: 1213

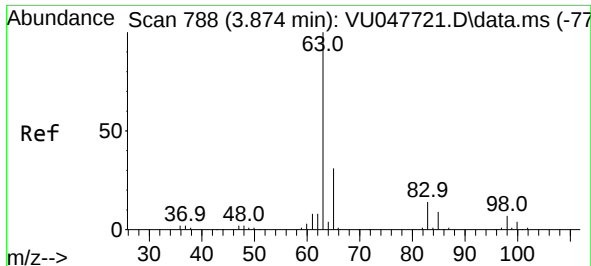
Ion Ratio Lower Upper

96 100

61 142.9 88.4 164.2

98 62.6 43.3 80.5





#19

1,1-Dichloroethane

Concen: 21.604 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU047729.D

Acq: 28 Mar 2022 15:52

Instrument :

MSVOA_U

ClientSampleId :

EW5Y8DL

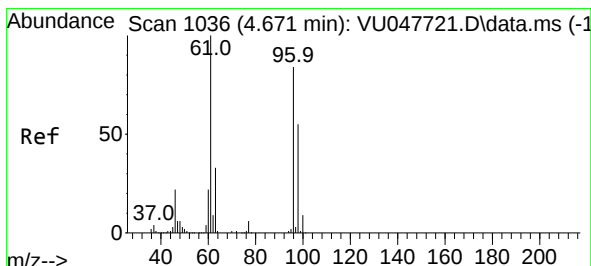
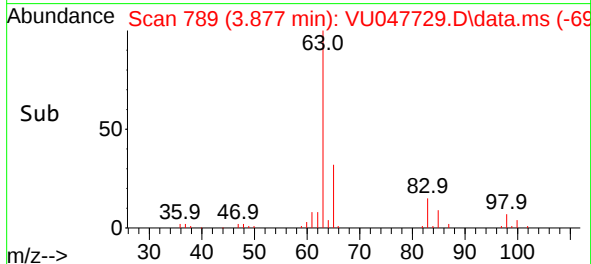
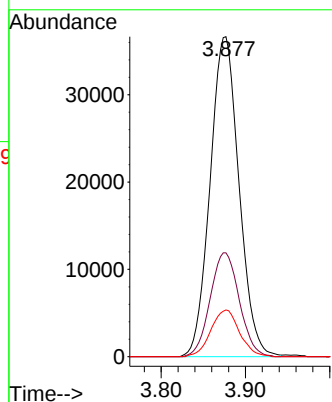
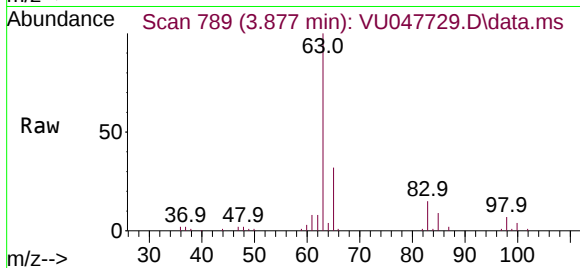
Tgt Ion: 63 Resp: 87325

Ion Ratio Lower Upper

63 100

65 32.4 22.0 41.0

83 14.6 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 24.162 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047729.D

Acq: 28 Mar 2022 15:52

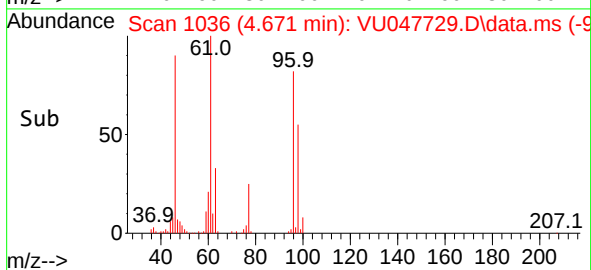
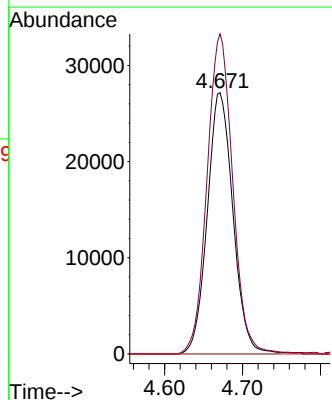
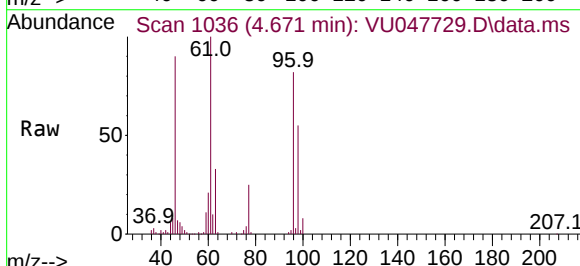
Tgt Ion: 96 Resp: 62082

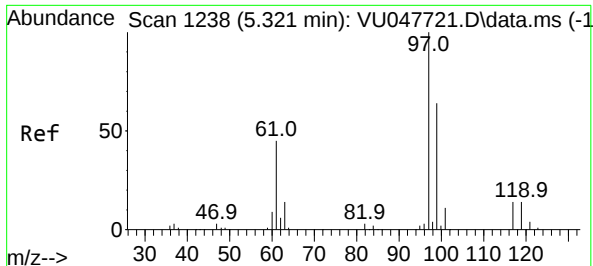
Ion Ratio Lower Upper

96 100

61 122.5 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 66.714 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU047729.D

Acq: 28 Mar 2022 15:52

Instrument :

MSVOA_U

ClientSampleId :

EW5Y8DL

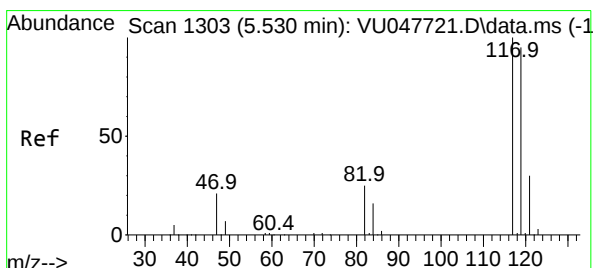
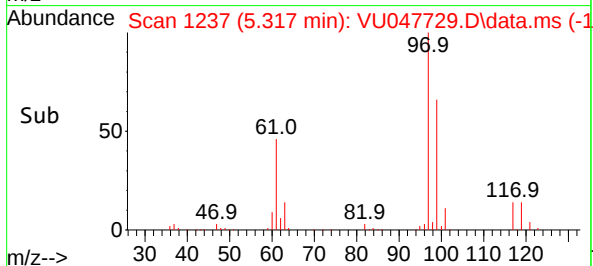
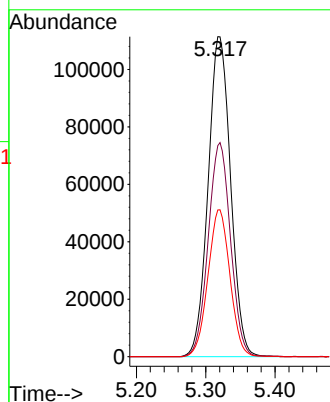
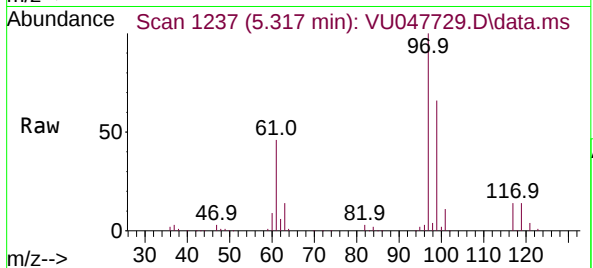
Tgt Ion: 97 Resp: 251262

Ion Ratio Lower Upper

97 100

99 66.3 51.6 77.4

61 44.9 34.2 51.4



#31

Carbon tetrachloride

Concen: 10.522 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.212 min

Lab File: VU047729.D

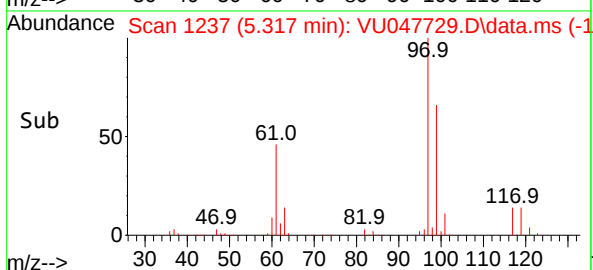
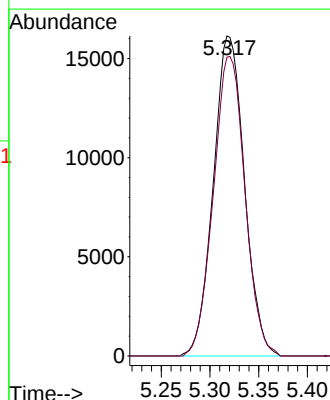
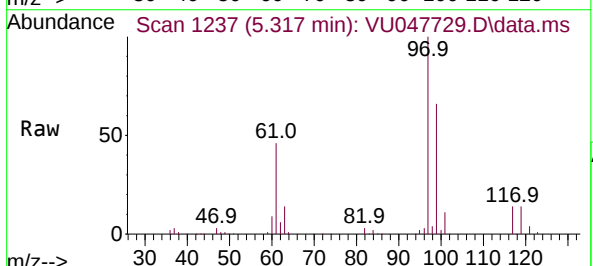
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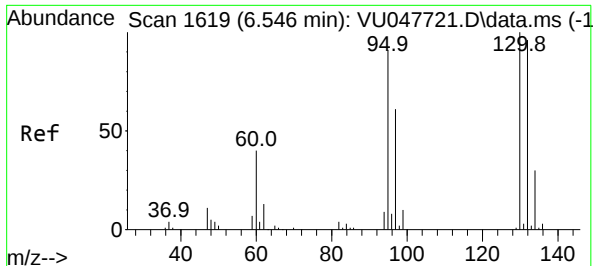
Tgt Ion: 117 Resp: 35785

Ion Ratio Lower Upper

117 100

119 95.1 77.2 115.8

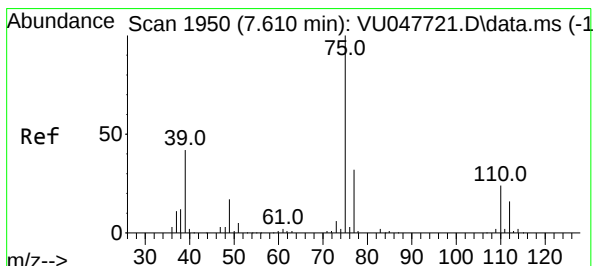
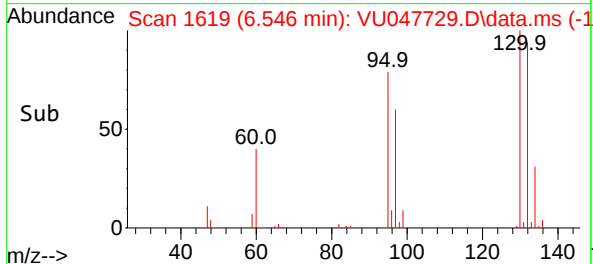
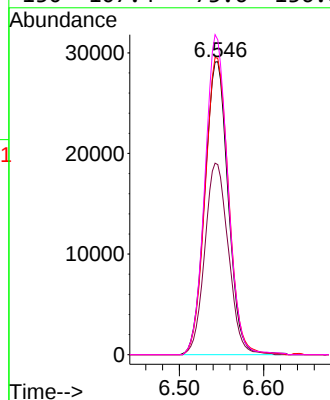
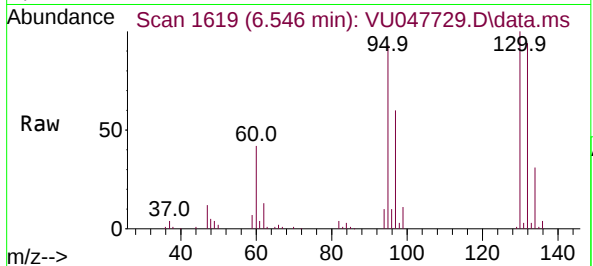




#34
Trichloroethene
Concen: 22.271 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU047729.D
Acq: 28 Mar 2022 15:52

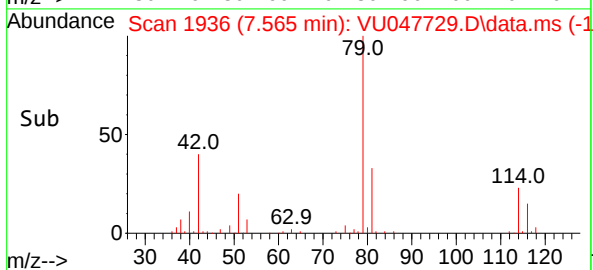
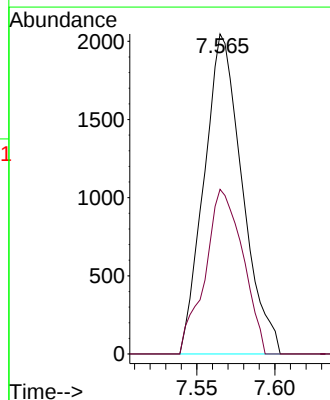
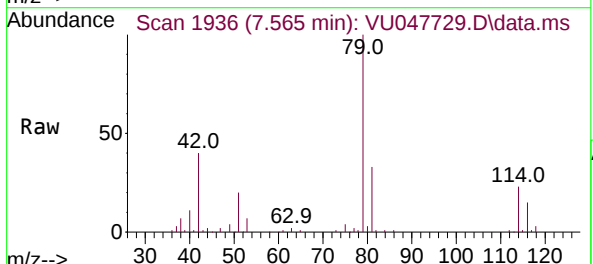
Instrument :
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ClientSampleId :
EW5Y8DL

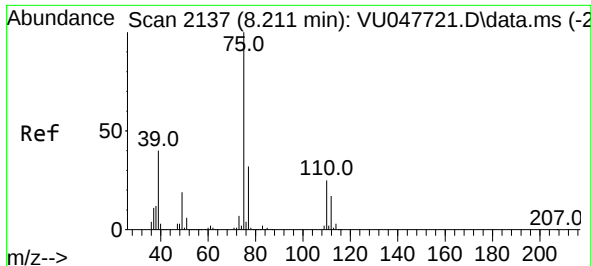
Tgt Ion:	95	Resp:	56136
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.7	82.9
132	101.1	70.4	130.8
130	107.4	73.6	136.8



#39
cis-1,3-Dichloropropene
Concen: 0.917 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.045 min
Lab File: VU047729.D
Acq: 28 Mar 2022 15:52

Tgt Ion:	75	Resp:	3478
Ion	Ratio	Lower	Upper
75	100		
77	51.4	21.8	40.6#

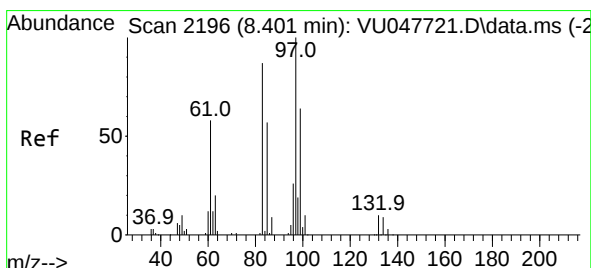
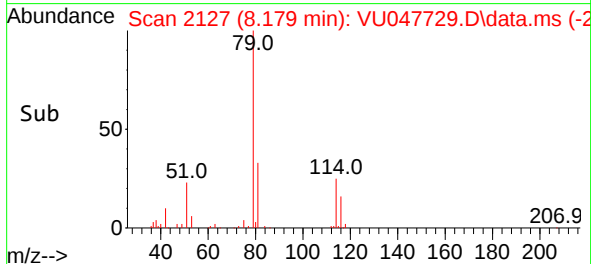
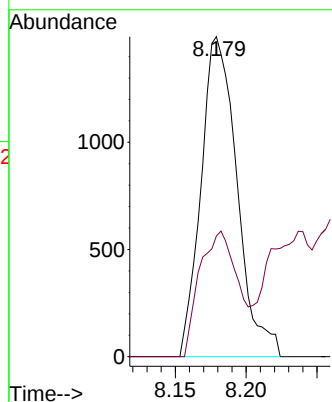
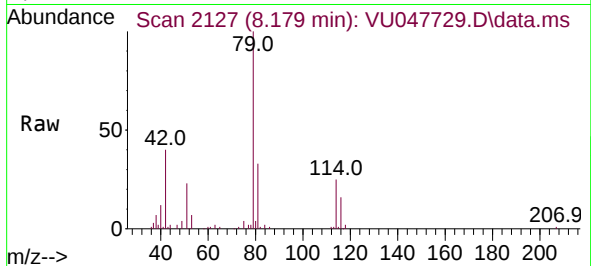




#44
trans-1,3-Dichloropropene
Concen: 0.697 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU047729.D
Acq: 28 Mar 2022 15:52

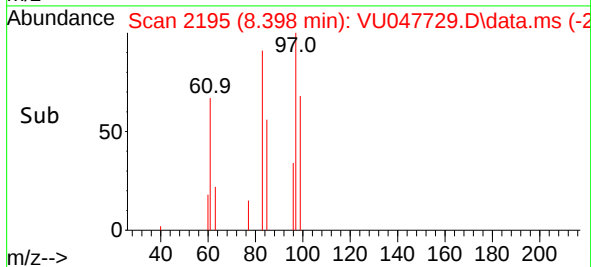
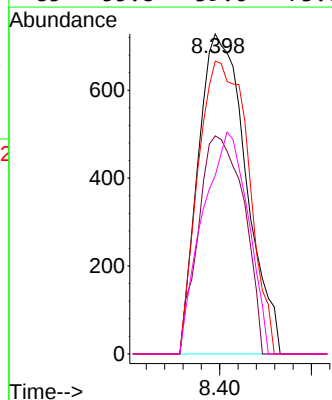
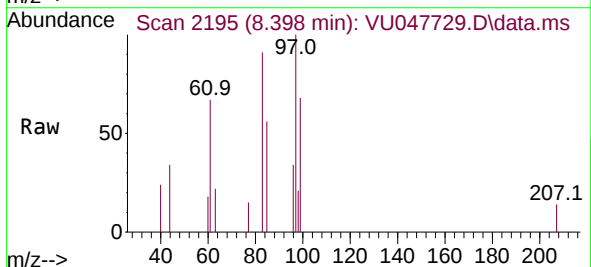
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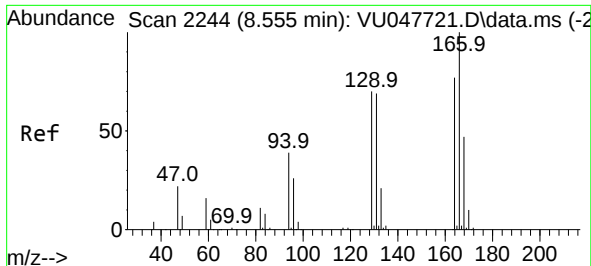
Tgt Ion: 75 Resp: 2639
Ion Ratio Lower Upper
75 100
77 37.7 22.0 40.8



#45
1,1,2-Trichloroethane
Concen: 0.506 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU047729.D
Acq: 28 Mar 2022 15:52

Tgt Ion: 97 Resp: 1312
Ion Ratio Lower Upper
97 100
99 68.1 43.3 80.3
83 91.5 61.0 113.4
85 55.8 39.6 73.6

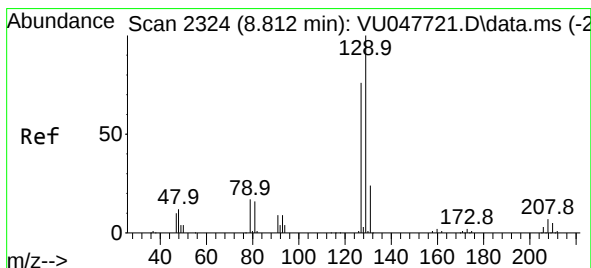
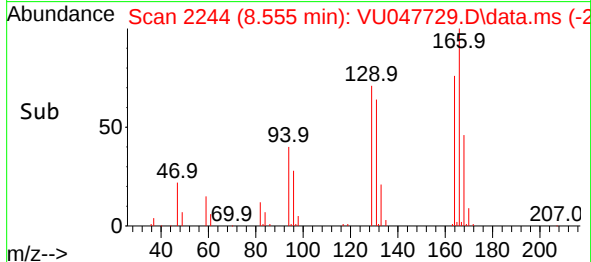
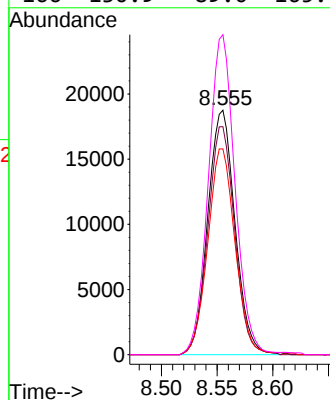
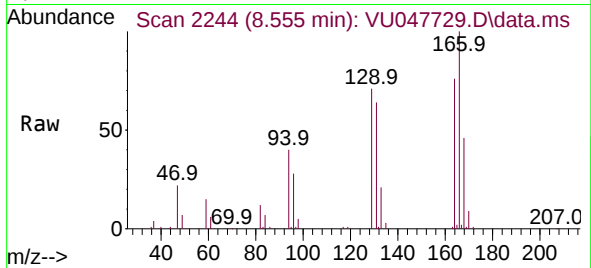




#46
Tetrachloroethene
Concen: 14.078 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047729.D
Acq: 28 Mar 2022 15:52

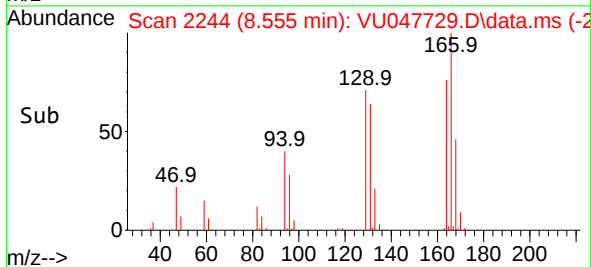
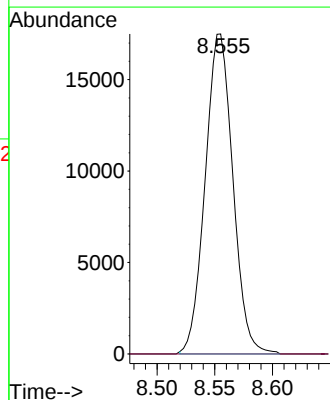
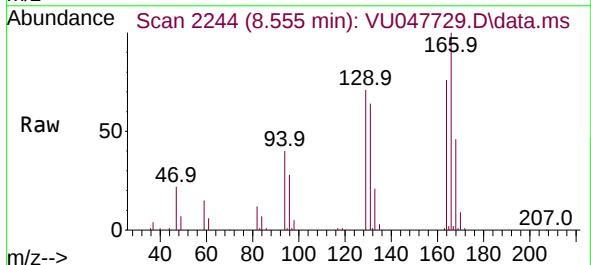
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ClientSampleId :
EW5Y8DL

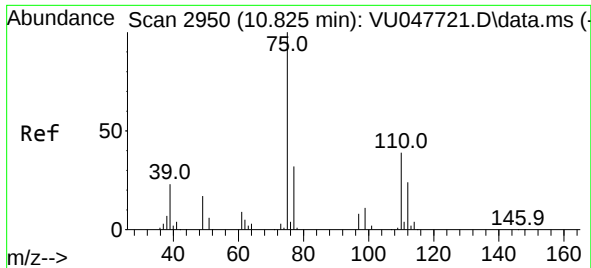
Tgt Ion:164 Resp: 31888
Ion Ratio Lower Upper
164 100
129 93.3 62.4 116.0
131 84.2 60.7 112.7
166 130.9 89.0 165.4



#49
Dibromochloromethane
Concen: 9.729 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU047729.D
Acq: 28 Mar 2022 15:52

Tgt Ion:129 Resp: 29209
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#





#60
 1,2,3-Trichloropropane
 Concen: 5.737 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU047729.D
 Acq: 28 Mar 2022 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y8DL

Tgt Ion: 75 Resp: 19087
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0
 110 2.4 31.4 47.2#

