

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047654.D
 Acq On : 24 Mar 2022 23:47
 Operator : SY/MD
 Sample : N2081-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 05:30:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:34:42 2022
 Response via : Initial Calibration

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

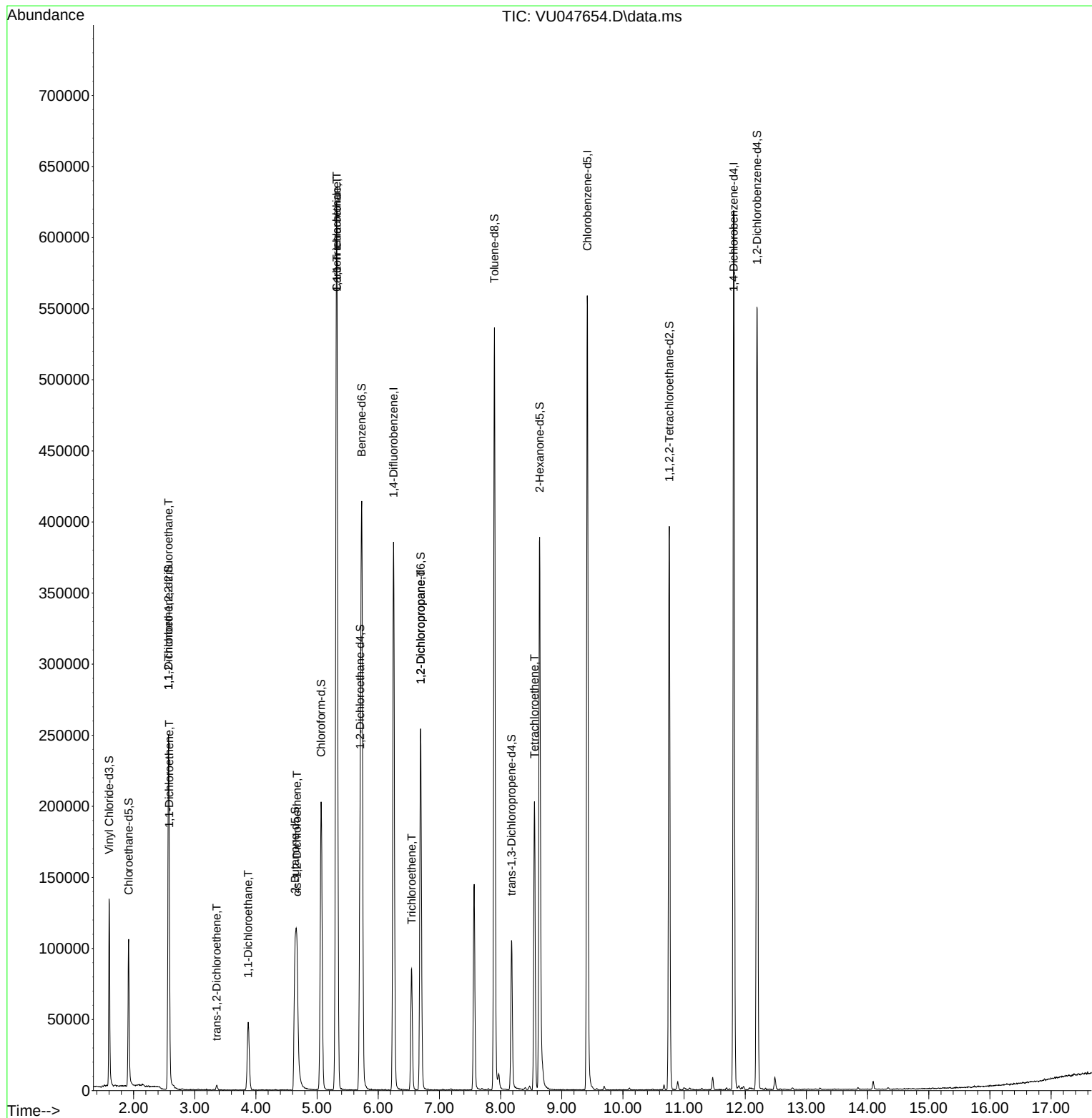
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	329689	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	333315	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	173531	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	96895	40.528	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.060%
7) Chloroethane-d5	1.919	69	79038	41.927	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.860%
11) 1,1-Dichloroethene-d2	2.571	63	143488	32.804	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.600%
21) 2-Butanone-d5	4.642	46	198858	96.906	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.910%
24) Chloroform-d	5.066	84	189269	43.266	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.540%
26) 1,2-Dichloroethane-d4	5.703	65	121490	45.282	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.560%
32) Benzene-d6	5.729	84	389159	46.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.693	67	122512	47.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.120%
41) Toluene-d8	7.899	98	367511	44.974	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.940%
43) trans-1,3-Dichloroprop...	8.179	79	58160	44.569	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.140%
47) 2-Hexanone-d5	8.639	63	144008	95.505	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.510%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	193407	43.753	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.500%
66) 1,2-Dichlorobenzene-d4	12.195	152	153745	49.799	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	1414	0.582	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	9744	4.309	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	1415	0.580	ug/L	94
19) 1,1-Dichloroethane	3.874	63	54453	12.944	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	31040	11.607	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	447041	118.282	ug/L	98
31) Carbon tetrachloride	5.321	117	61371	17.982	ug/L	100
34) Trichloroethene	6.546	95	28753	11.368	ug/L	98
37) 1,2-Dichloropropane	6.693	63	13261	5.407	ug/L #	87
46) Tetrachloroethene	8.552	164	47057	20.703	ug/L	97

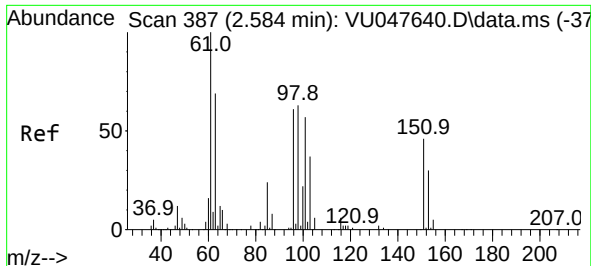
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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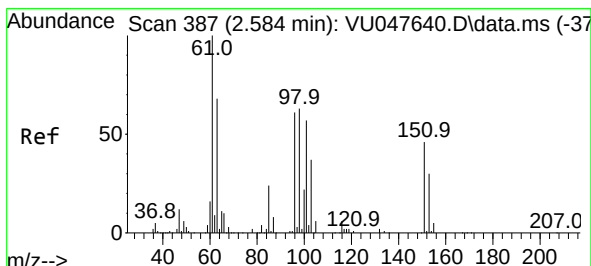
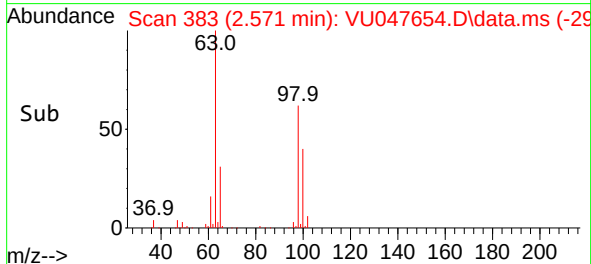
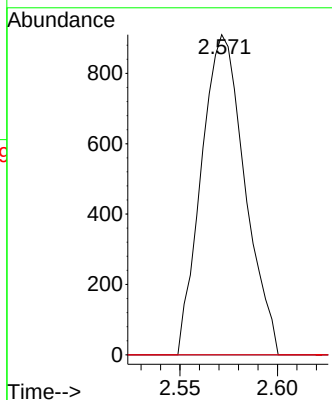
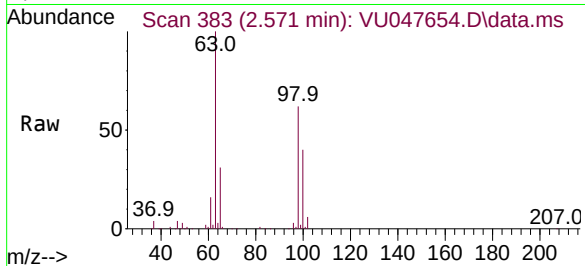




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.582 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU047654.D
 Acq: 24 Mar 2022 23:47

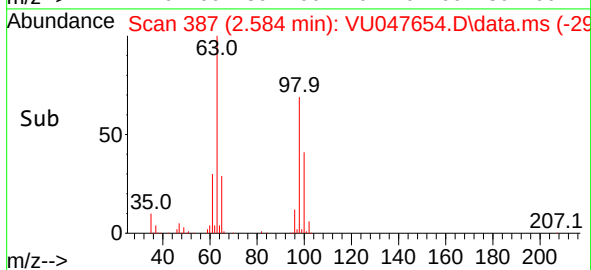
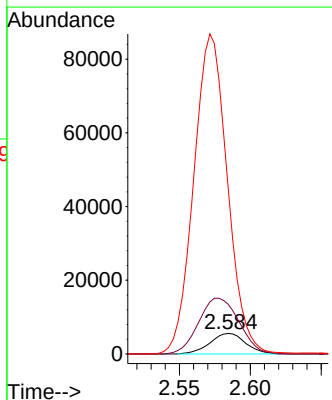
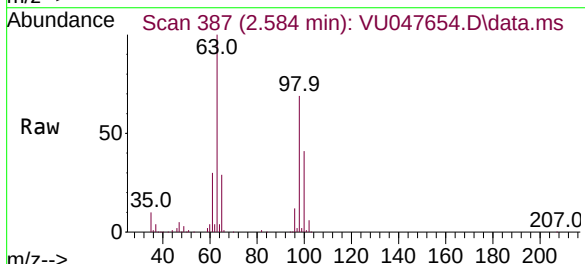
Instrument :
 MSVOA_U
 ClientSampleId :

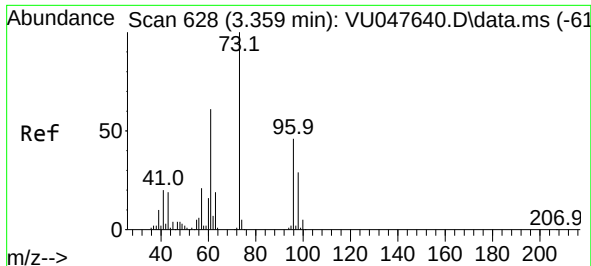
Tgt Ion:101 Resp: 1414
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 4.309 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU047654.D
 Acq: 24 Mar 2022 23:47

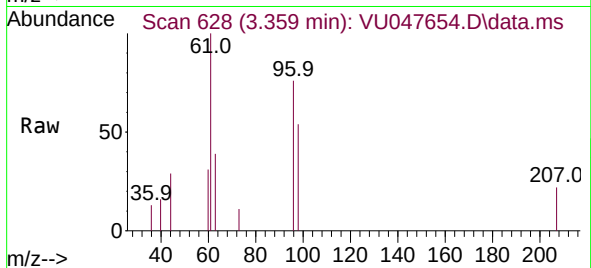
Tgt Ion: 96 Resp: 9744
 Ion Ratio Lower Upper
 96 100
 61 242.9 113.1 210.1#
 63 814.1 94.8 176.0#



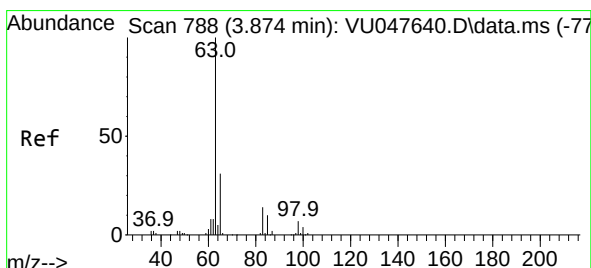
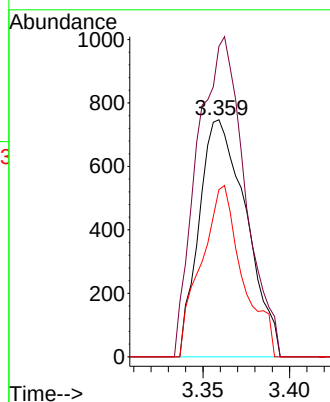
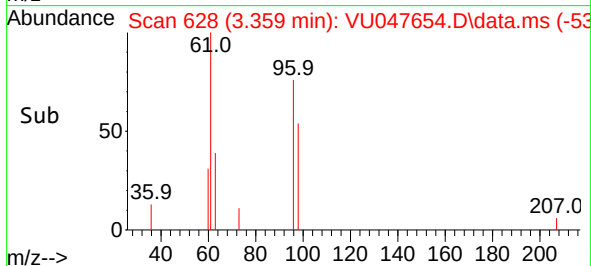


#17
trans-1,2-Dichloroethene
Concen: 0.580 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047654.D
Acq: 24 Mar 2022 23:47

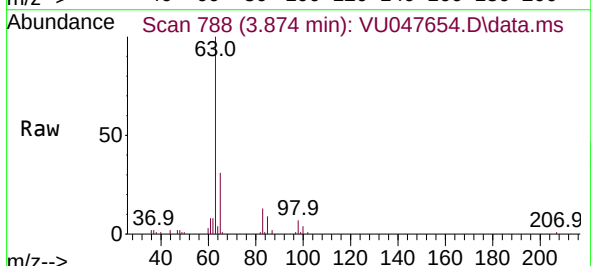
Instrument :
MSVOA_U
ClientSampleId :



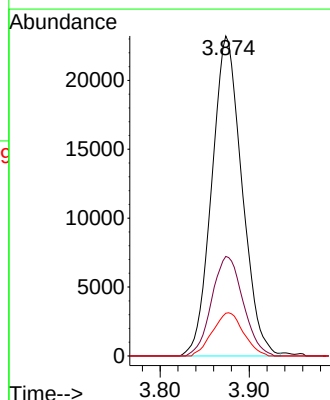
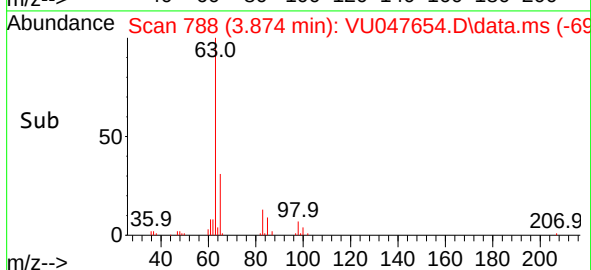
Tgt Ion: 96 Resp: 1415
Ion Ratio Lower Upper
96 100
61 130.9 88.4 164.2
98 70.5 43.3 80.5

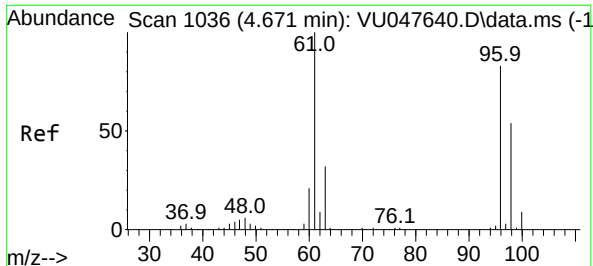


#19
1,1-Dichloroethane
Concen: 12.944 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU047654.D
Acq: 24 Mar 2022 23:47



Tgt Ion: 63 Resp: 54453
Ion Ratio Lower Upper
63 100
65 31.1 22.0 41.0
83 13.3 9.7 18.1

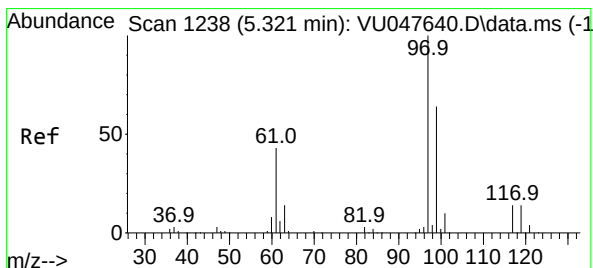
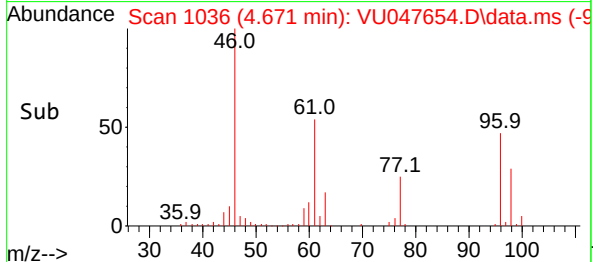
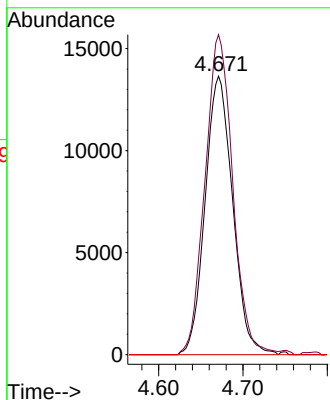
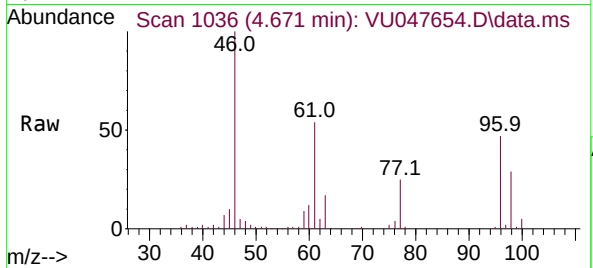




#20
 cis-1,2-Dichloroethene
 Concen: 11.607 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU047654.D
 Acq: 24 Mar 2022 23:47

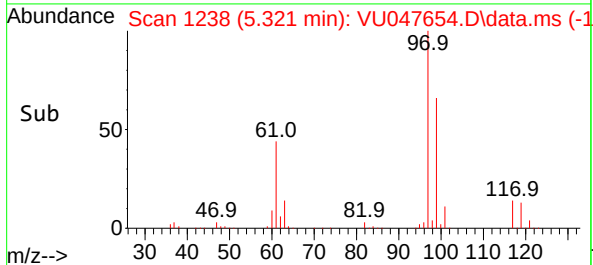
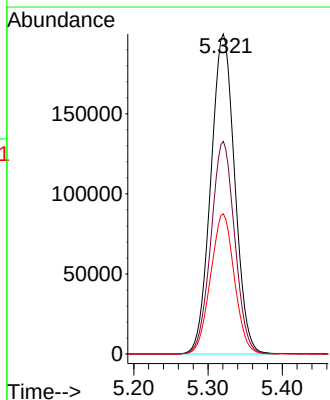
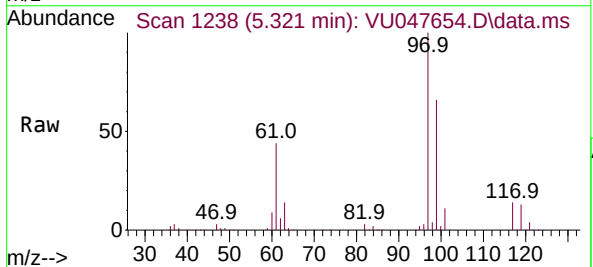
Instrument :
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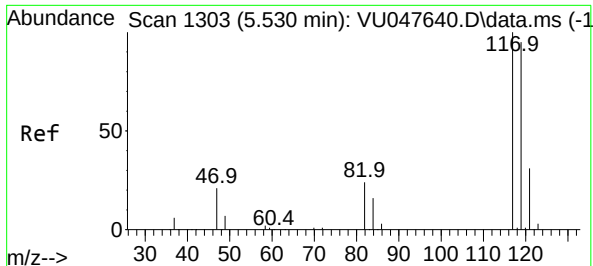
Tgt Ion: 96 Resp: 31040
 Ion Ratio Lower Upper
 96 100
 61 114.9 80.7 149.9
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 118.282 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VU047654.D
 Acq: 24 Mar 2022 23:47

Tgt Ion: 97 Resp: 447041
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.6 77.4
 61 43.6 34.2 51.4

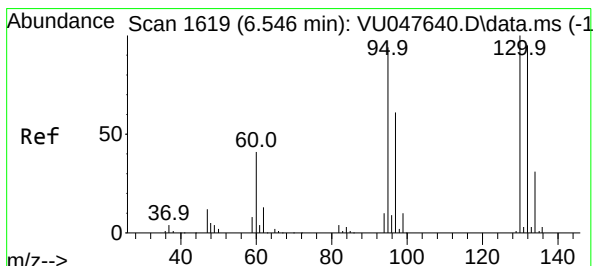
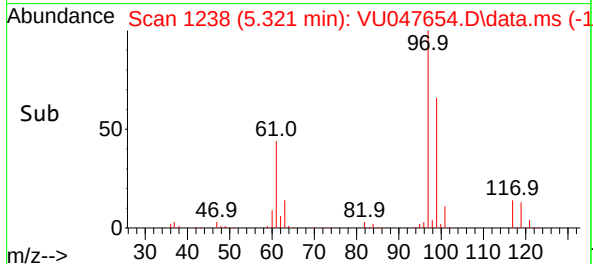
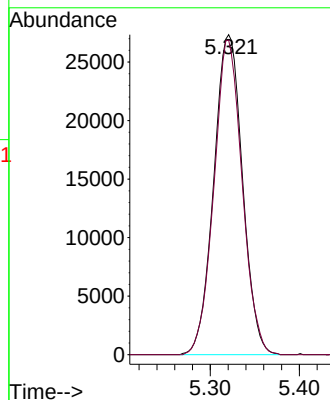
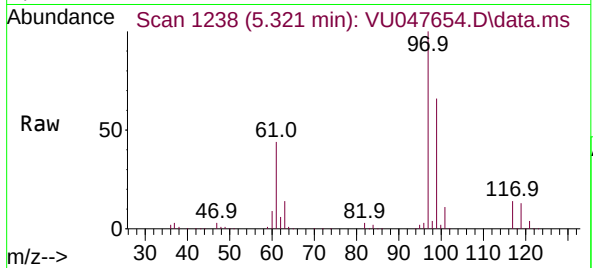




#31
Carbon tetrachloride
Concen: 17.982 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU047654.D
Acq: 24 Mar 2022 23:47

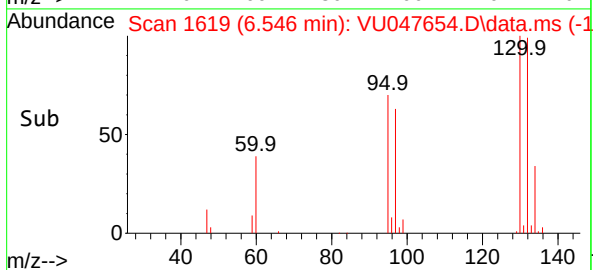
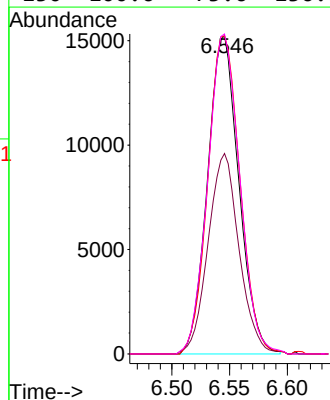
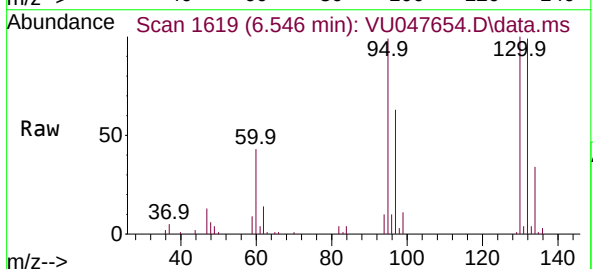
Instrument :
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ClientSampleId :

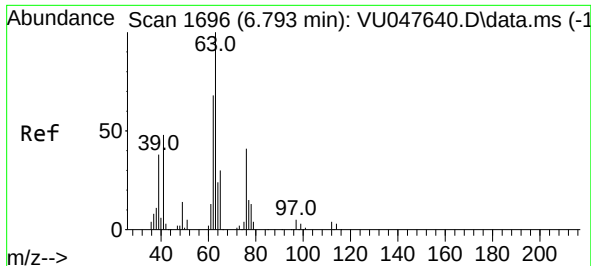
Tgt Ion:117 Resp: 61371
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8



#34
Trichloroethene
Concen: 11.368 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047654.D
Acq: 24 Mar 2022 23:47

Tgt Ion: 95 Resp: 28753
Ion Ratio Lower Upper
95 100
97 63.0 44.7 82.9
132 100.1 70.4 130.8
130 100.6 73.6 136.8

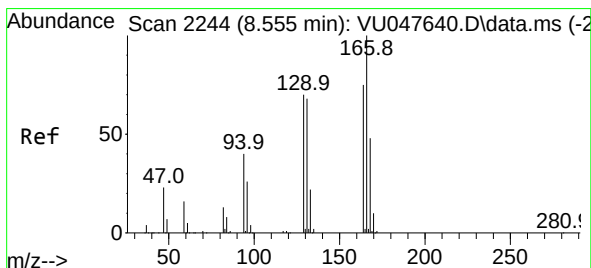
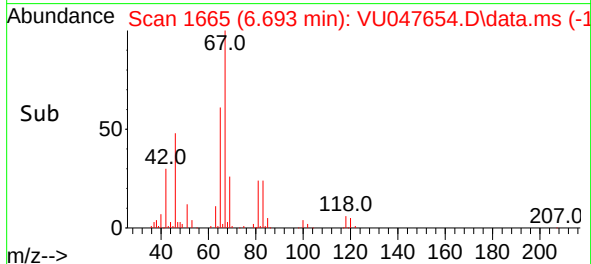
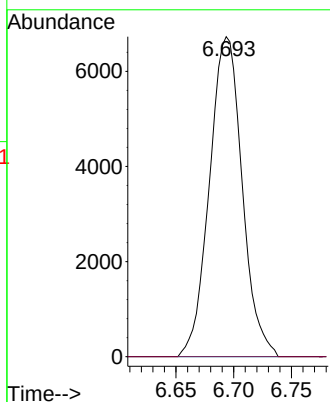
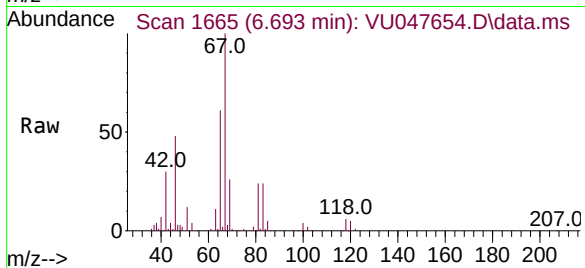




#37
1,2-Dichloropropane
Concen: 5.407 ug/L
RT: 6.693 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU047654.D
Acq: 24 Mar 2022 23:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 13261
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#46
Tetrachloroethene
Concen: 20.703 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047654.D
Acq: 24 Mar 2022 23:47

Tgt Ion:164 Resp: 47057
Ion Ratio Lower Upper
164 100
129 90.5 62.4 116.0
131 90.4 60.7 112.7
166 131.0 89.0 165.4

