

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047716.D
 Acq On : 26 Mar 2022 17:58
 Operator : SY/MD
 Sample : N2081-16DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y3DL

Quant Time: Mar 28 05:10:59 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)

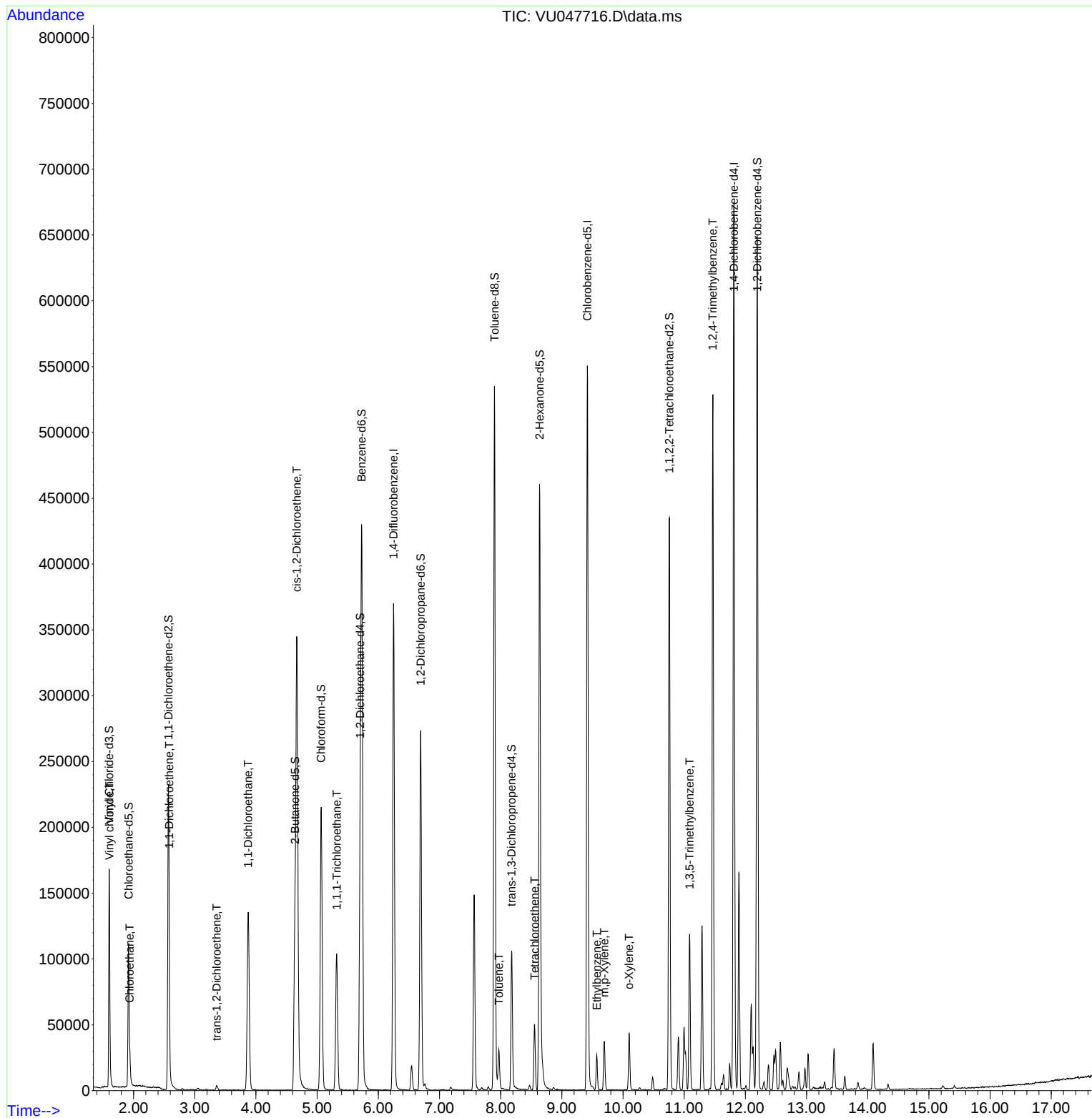
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	315241	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	317248	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	185886	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	95739	41.880	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.760%		
7) Chloroethane-d5	1.919	69	84917	47.110	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.220%		
11) 1,1-Dichloroethene-d2	2.572	63	133236	31.856	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.720%		
21) 2-Butanone-d5	4.639	46	229403	116.915	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.910%		
24) Chloroform-d	5.067	84	200068	47.831	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.660%		
26) 1,2-Dichloroethane-d4	5.703	65	131913	51.420	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.840%		
32) Benzene-d6	5.729	84	398649	49.938	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.880%		
36) 1,2-Dichloropropane-d6	6.694	67	128724	52.506	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.020%		
41) Toluene-d8	7.899	98	361246	46.447	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.900%		
43) trans-1,3-Dichloroprop...	8.179	79	60595	48.787	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.580%		
47) 2-Hexanone-d5	8.636	63	166533	116.037	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	116.040%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	213997	50.862	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.720%		
66) 1,2-Dichlorobenzene-d4	12.195	152	167057	50.515	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.020%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	34511	12.107	ug/L	98
8) Chloroethane	1.938	64	10745	6.005	ug/L	99
12) 1,1-Dichloroethene	2.581	96	3643	1.685	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	1474	0.632	ug/L	92
19) 1,1-Dichloroethane	3.874	63	155880	38.752	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	159405	62.340	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	74851	20.808	ug/L	98
42) Toluene	7.970	91	21516	2.135	ug/L	100
46) Tetrachloroethene	8.555	164	12003	5.548	ug/L	98
52) Ethylbenzene	9.571	91	18786	1.773	ug/L	99
53) m,p-Xylene	9.694	106	10920	2.627	ug/L	91
54) o-Xylene	10.099	106	11995	2.940	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	64119	11.763	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	285144	34.439	ug/L	100

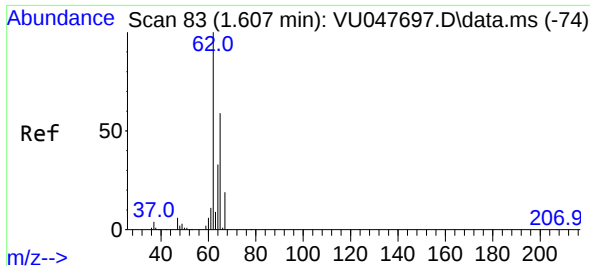
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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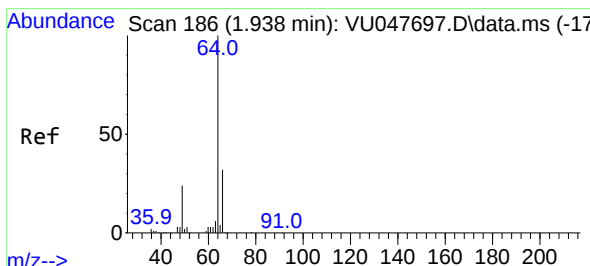
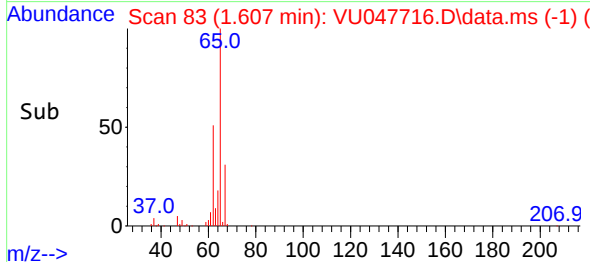
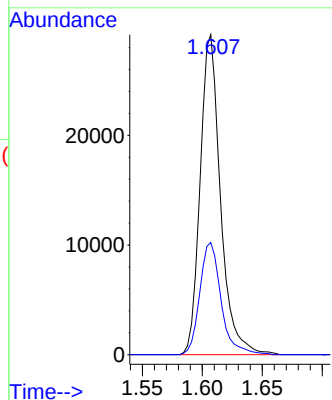
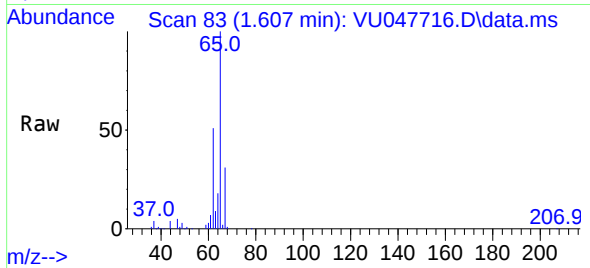




#5
 Vinyl chloride
 Concen: 12.107 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047716.D
 Acq: 26 Mar 2022 17:58

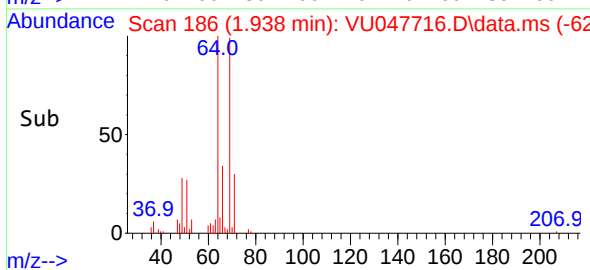
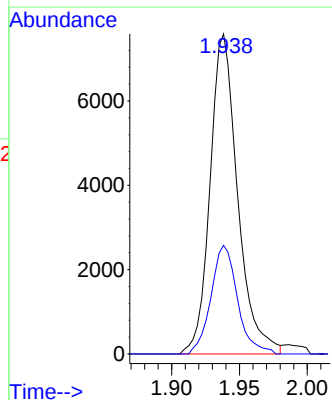
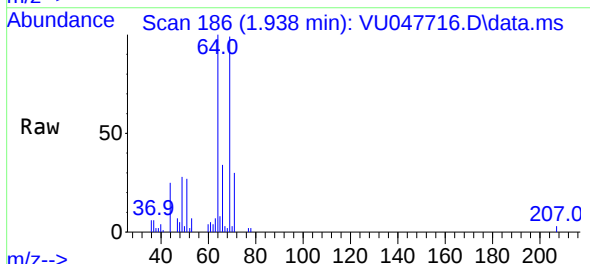
Instrument :
 MSVOA_U
 ClientSampleId :
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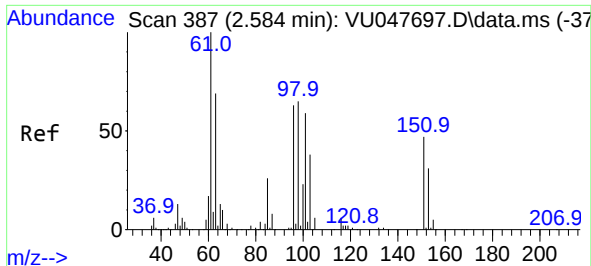
Tgt Ion: 62 Resp: 34511
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.7 43.9



#8
 Chloroethane
 Concen: 6.005 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047716.D
 Acq: 26 Mar 2022 17:58

Tgt Ion: 64 Resp: 10745
 Ion Ratio Lower Upper
 64 100
 66 34.0 23.3 43.3





#12

1,1-Dichloroethene

Concen: 1.685 ug/L

RT: 2.581 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

EW5Y3DL

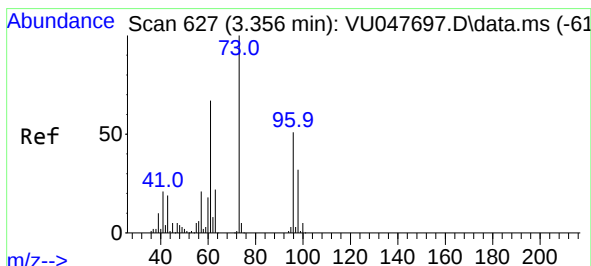
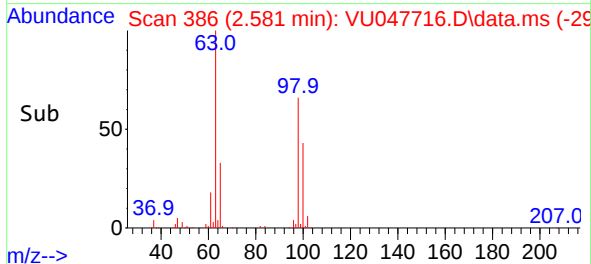
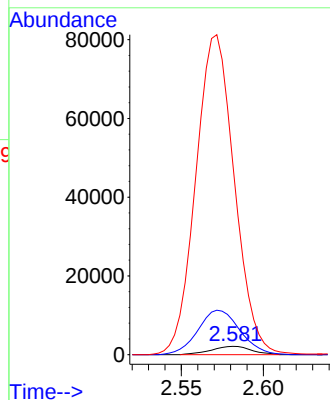
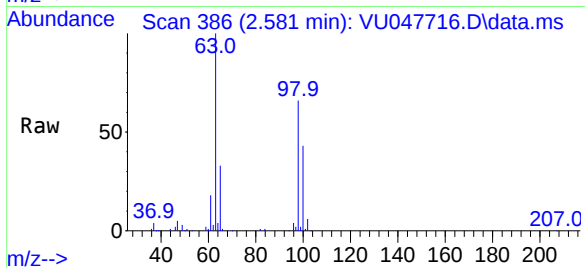
Tgt Ion: 96 Resp: 3643

Ion Ratio Lower Upper

96 100

61 412.3 113.1 210.1#

63 2301.4 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 0.632 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

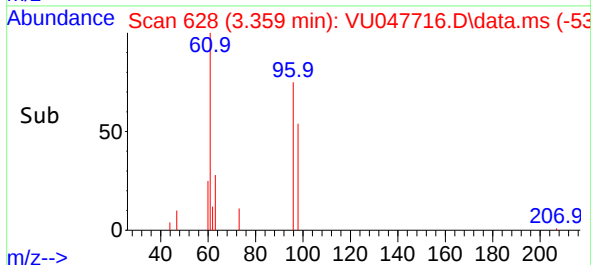
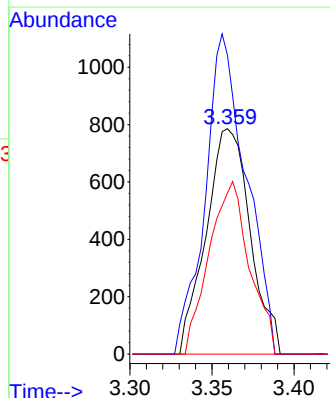
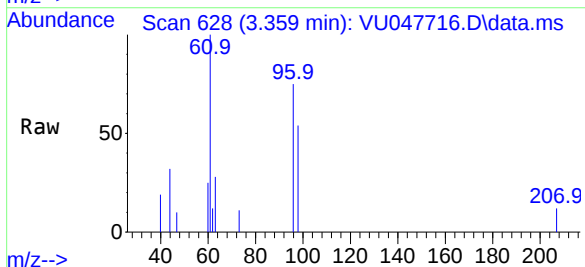
Tgt Ion: 96 Resp: 1474

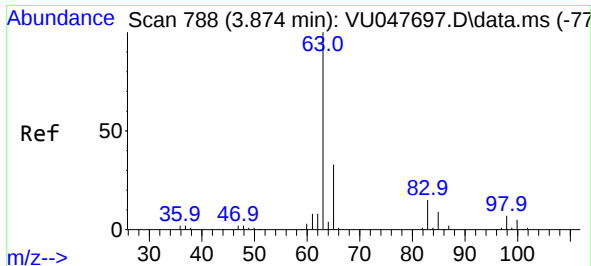
Ion Ratio Lower Upper

96 100

61 132.7 88.4 164.2

98 71.4 43.3 80.5

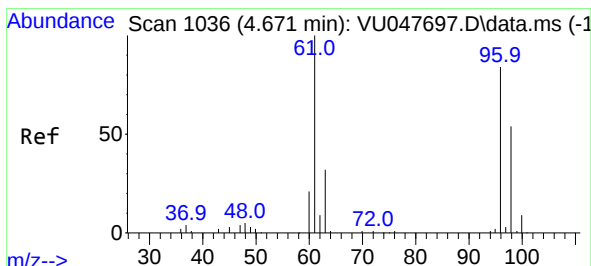
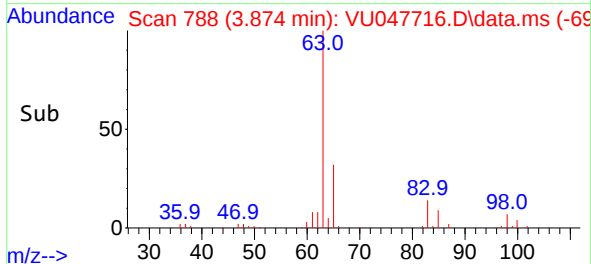
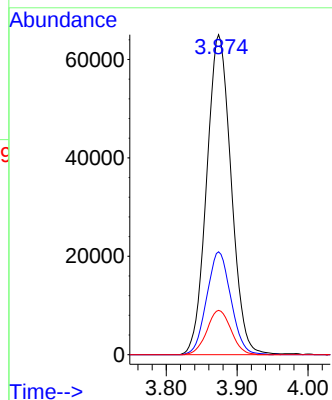
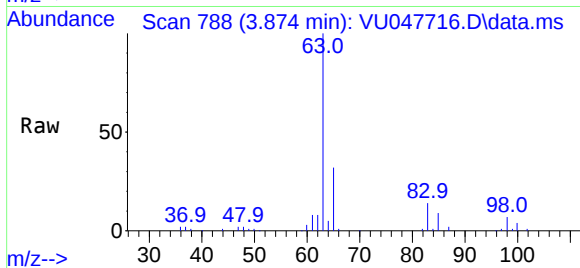




#19
1,1-Dichloroethane
Concen: 38.752 ug/L
RT: 3.874 min Scan# 719
Delta R.T. 0.000 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

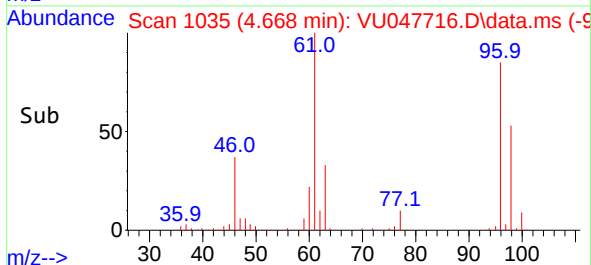
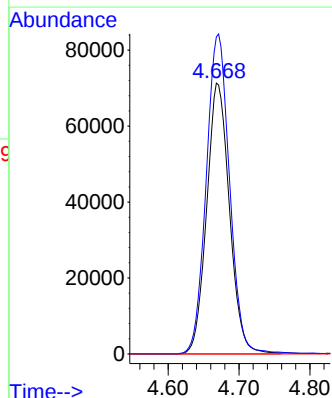
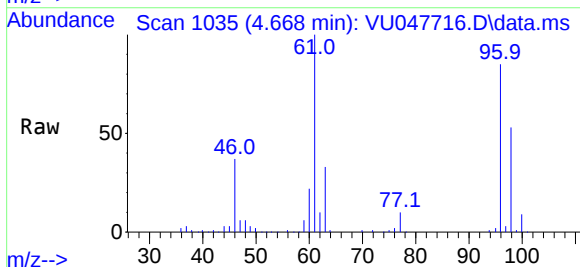
Instrument :
MSVOA_U
ClientSampleId :
EW5Y3DL

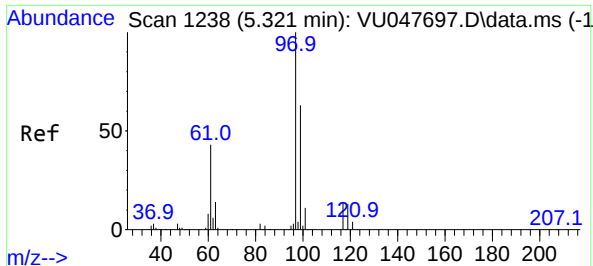
Tgt Ion: 63 Resp: 155880
Ion Ratio Lower Upper
63 100
65 32.1 22.0 41.0
83 13.8 9.7 18.1



#20
cis-1,2-Dichloroethene
Concen: 62.340 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

Tgt Ion: 96 Resp: 159405
Ion Ratio Lower Upper
96 100
61 117.1 80.7 149.9
68 0.0 0.0 0.0

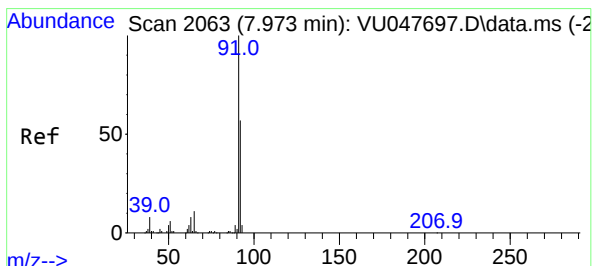
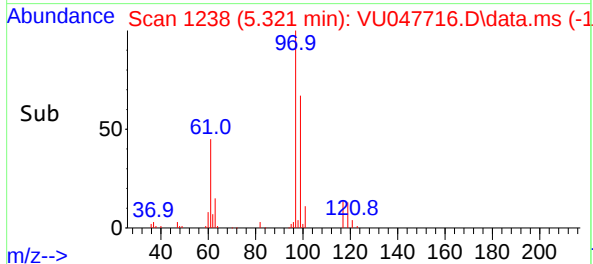
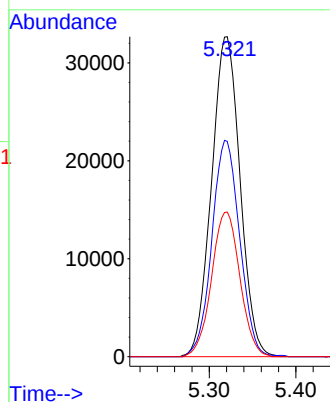
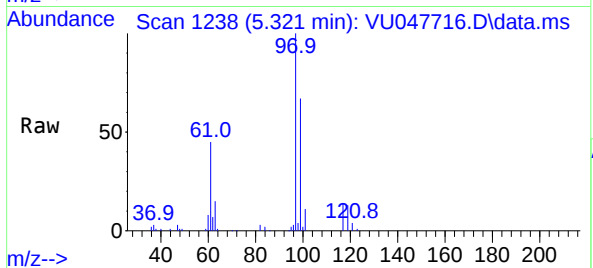




#30
1,1,1-Trichloroethane
Concen: 20.808 ug/L
RT: 5.321 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

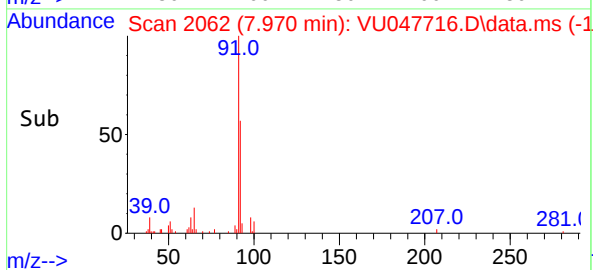
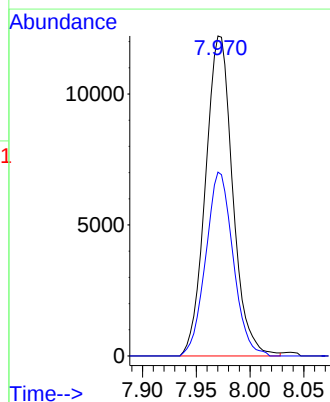
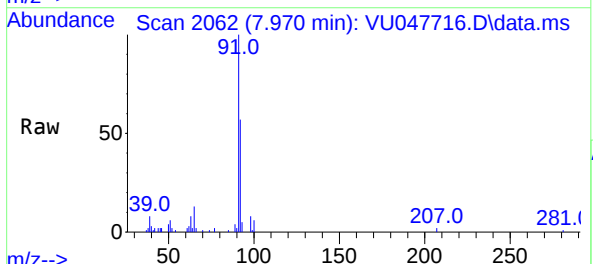
Instrument :
MSVOA_U
ClientSampleId :
EW5Y3DL

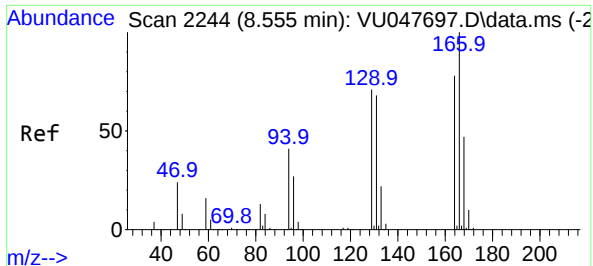
Tgt Ion:	97	Resp:	74851
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.6	77.4
61	44.9	34.2	51.4



#42
Toluene
Concen: 2.135 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

Tgt Ion:	91	Resp:	21516
Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.4	75.0





#46

Tetrachloroethene

Concen: 5.548 ug/L

RT: 8.555 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

EW5Y3DL

Tgt Ion:164 Resp: 12003

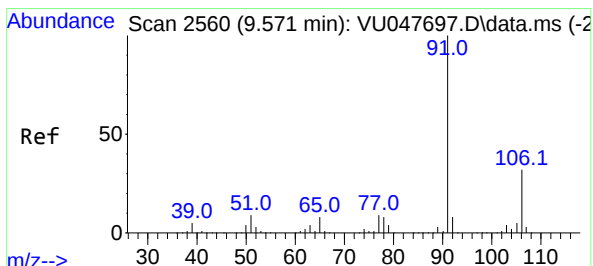
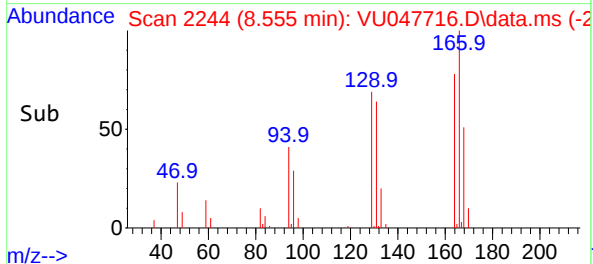
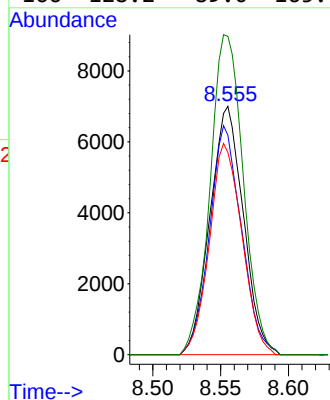
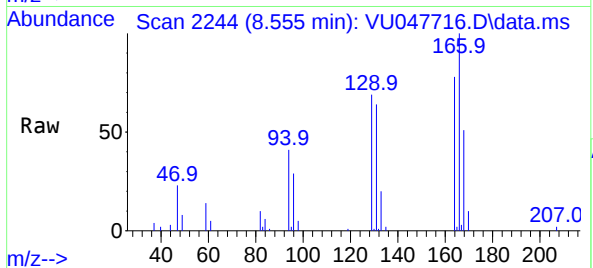
Ion Ratio Lower Upper

164 100

129 88.4 62.4 116.0

131 81.4 60.7 112.7

166 128.2 89.0 165.4



#52

Ethylbenzene

Concen: 1.773 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU047716.D

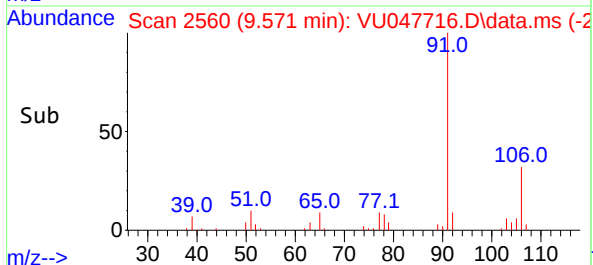
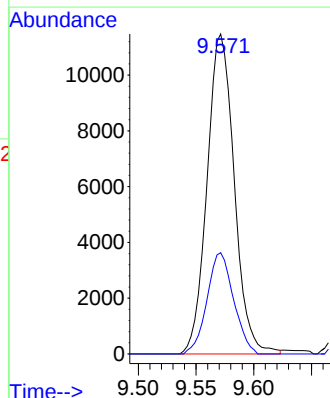
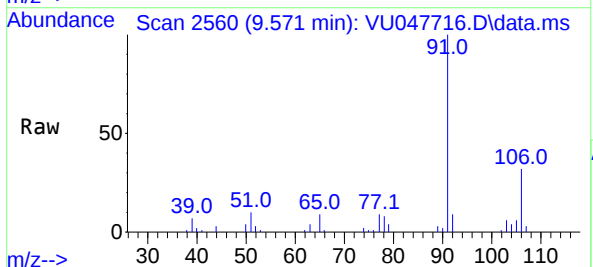
Acq: 26 Mar 2022 17:58

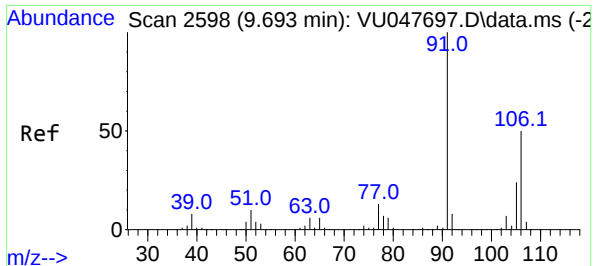
Tgt Ion: 91 Resp: 18786

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6





#53

m,p-Xylene

Concen: 2.627 ug/L

RT: 9.694 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

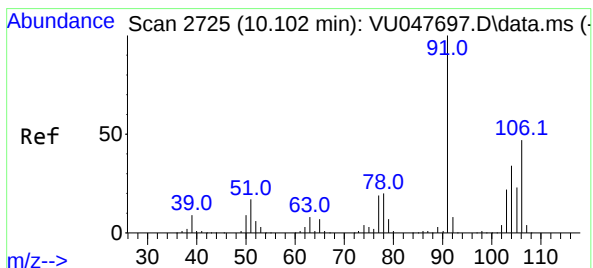
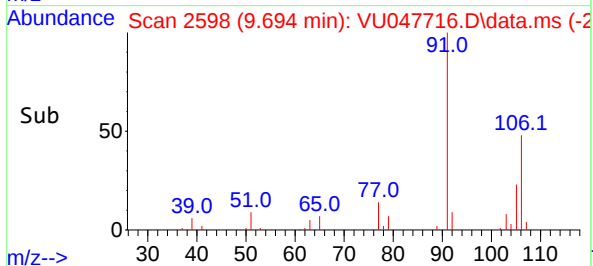
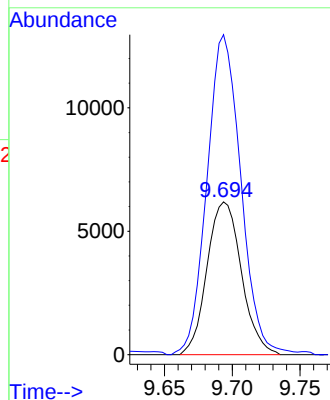
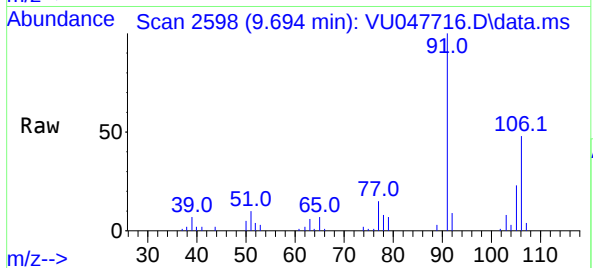
EW5Y3DL

Tgt Ion:106 Resp: 10920

Ion Ratio Lower Upper

106 100

91 209.5 137.7 255.7



#54

o-Xylene

Concen: 2.940 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.003 min

Lab File: VU047716.D

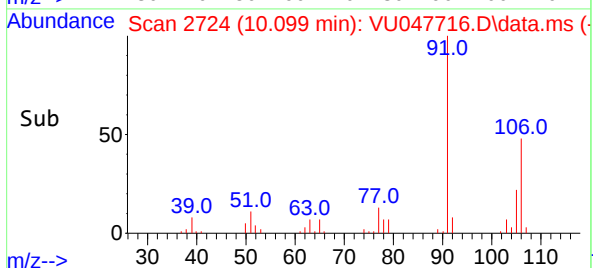
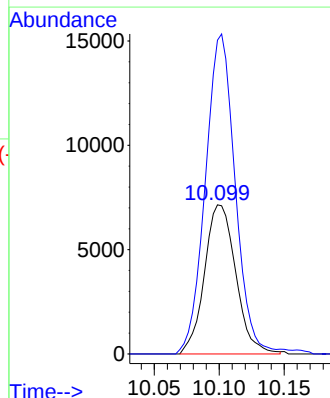
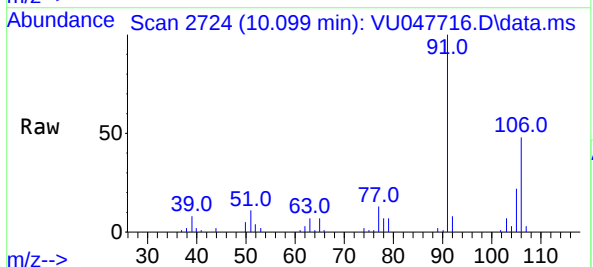
Acq: 26 Mar 2022 17:58

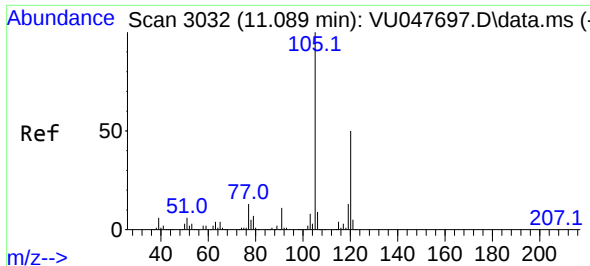
Tgt Ion:106 Resp: 11995

Ion Ratio Lower Upper

106 100

91 210.5 146.7 272.5

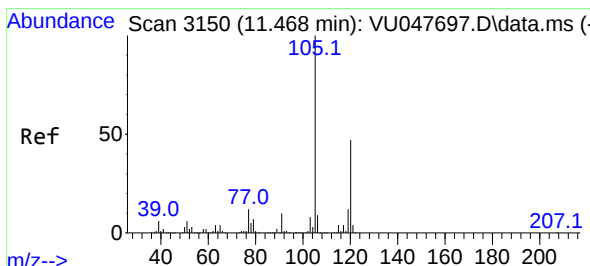
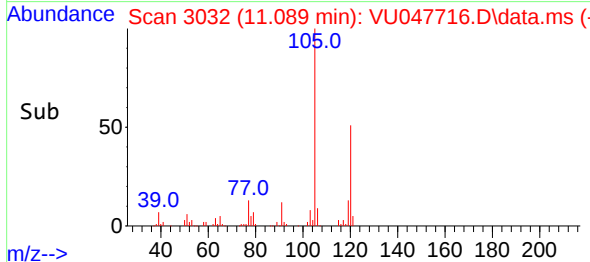
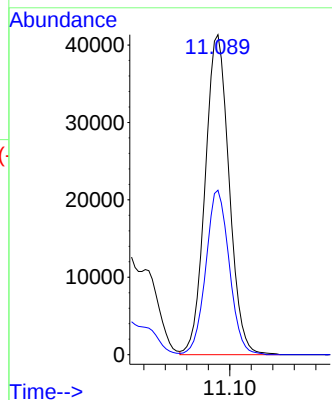
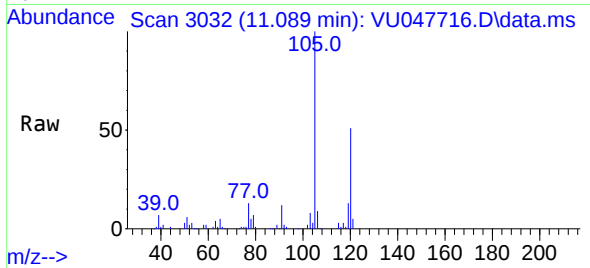




#62
 1,3,5-Trimethylbenzene
 Concen: 11.763 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU047716.D
 Acq: 26 Mar 2022 17:58

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y3DL

Tgt Ion:105 Resp: 64119
 Ion Ratio Lower Upper
 105 100
 120 50.3 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 34.439 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU047716.D
 Acq: 26 Mar 2022 17:58

Tgt Ion:105 Resp: 285144
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.6 56.4

