

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U032622\
 Data File : U047716.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
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1380	0.594	ug/L #	18
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
27) 1,2-Dichloroethane	5.803	62	1366	0.408	ug/L #	75
30) 1,1,1-Trichloroethane	5.321	97	74851	20.808	ug/L	98
31) Carbon tetrachloride	5.321	117	9940	3.060	ug/L	99
42) Toluene	7.970	91	21516	2.135	ug/L	100
44) trans-1,3-Dichloropropene	8.179	75	2510	0.694	ug/L	86
46) Tetrachloroethene	8.555	164	12003	5.548	ug/L	98
49) Dibromochloromethane	8.552	129	10586	3.692	ug/L #	11
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

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

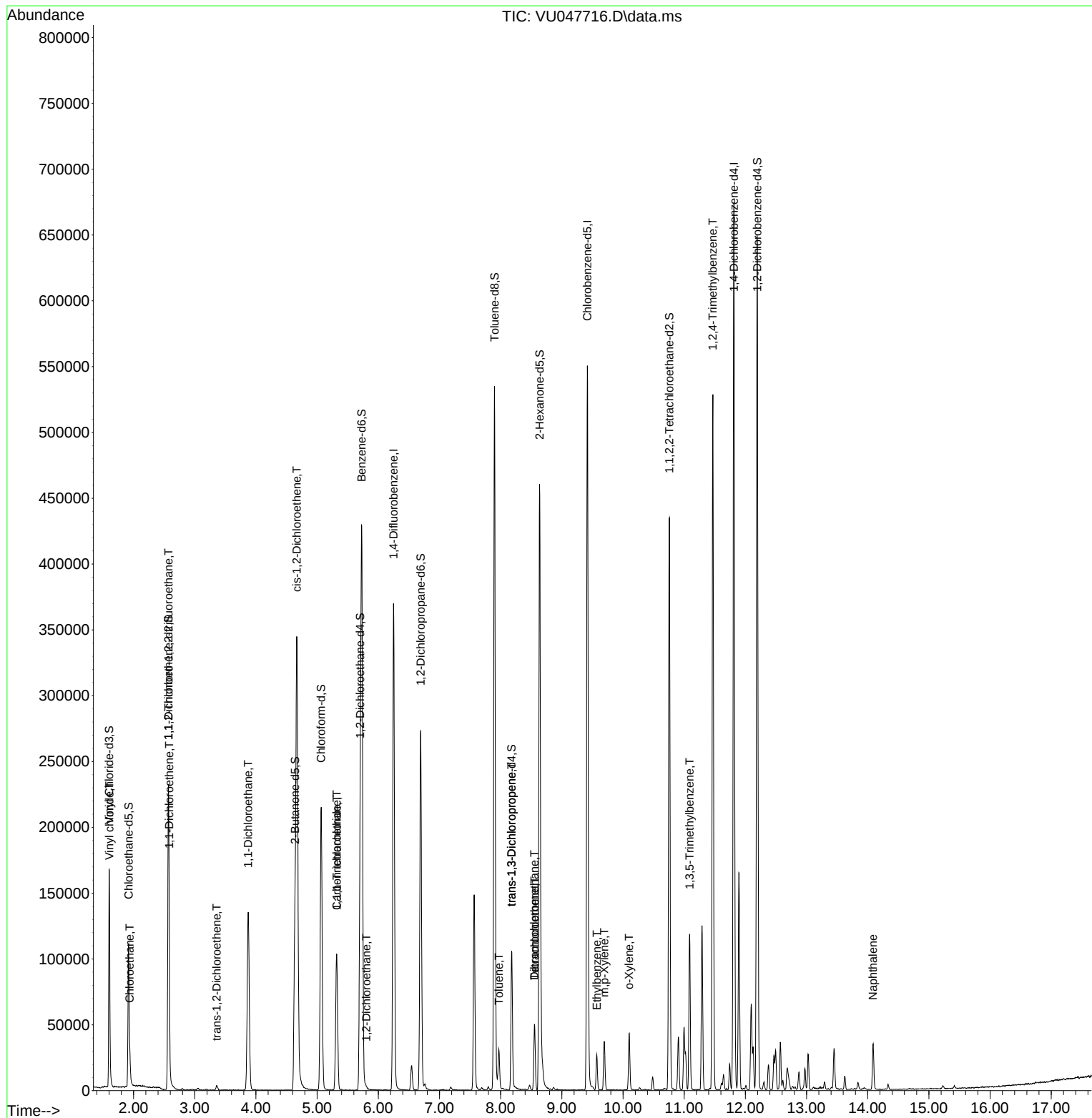
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.086	128	29993	2.533	ug/L	99

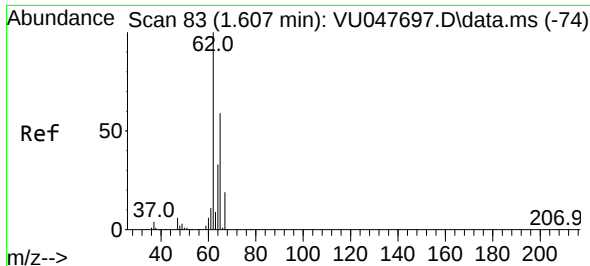
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

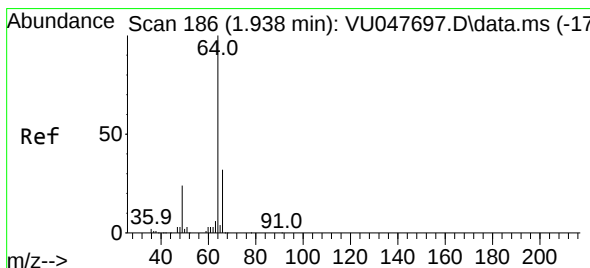
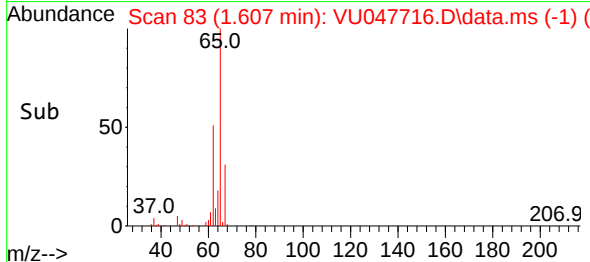
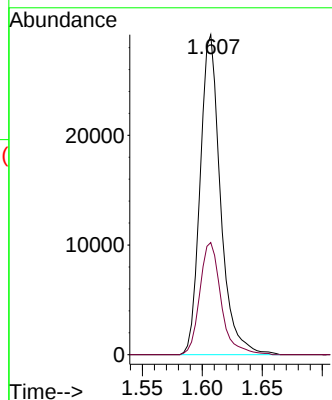
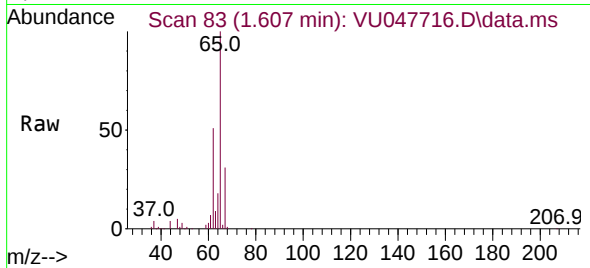




#5
 Vinyl chloride
 Concen: 12.107 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047716.D
 Acq: 26 Mar 2022 17:58

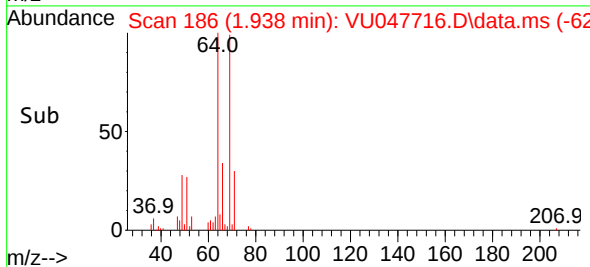
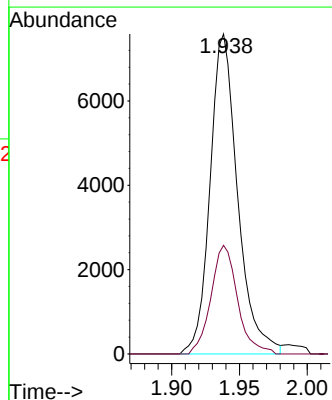
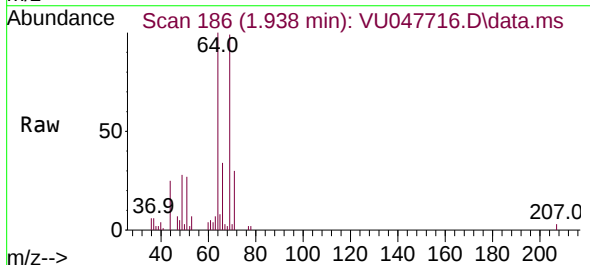
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y3DL

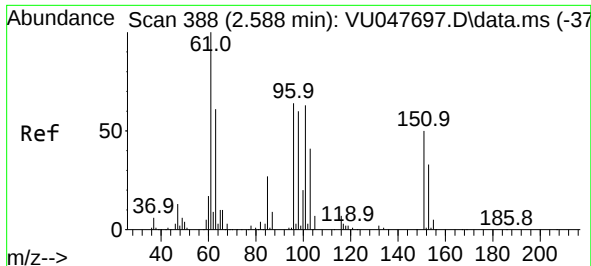
Tgt Ion: 62 Resp: 34511
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.7 43.9



#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





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.594 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

EW5Y3DL

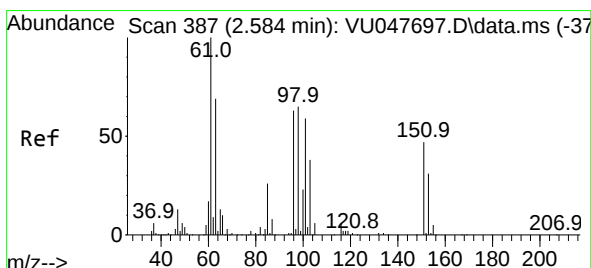
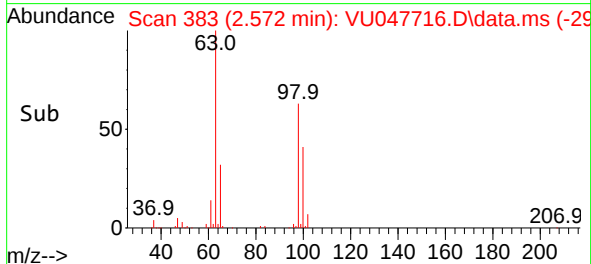
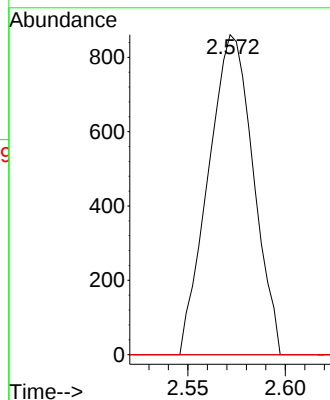
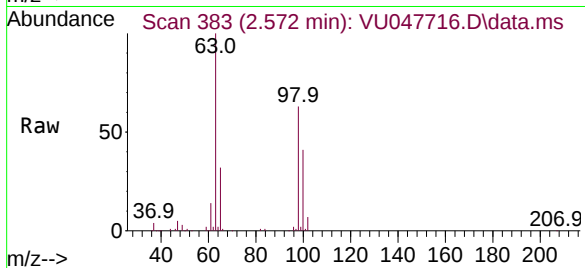
Tgt Ion:101 Resp: 1380

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: 1.685 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

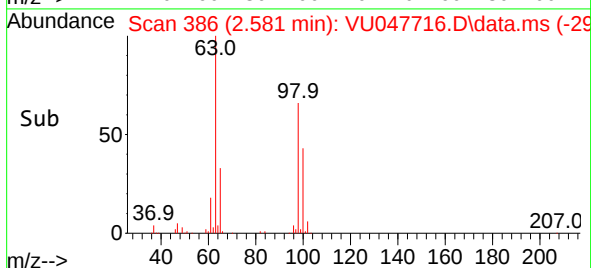
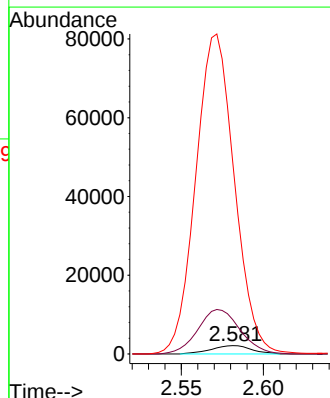
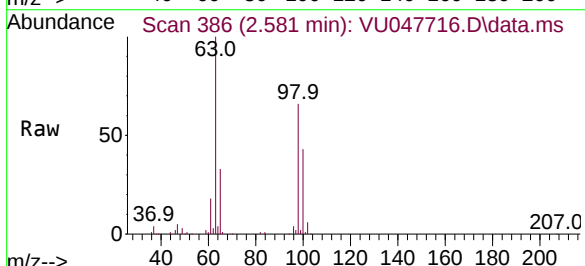
Tgt Ion: 96 Resp: 3643

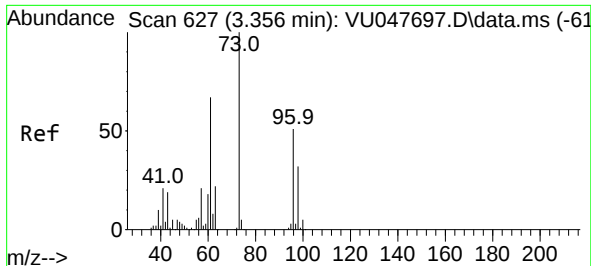
Ion Ratio Lower Upper

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# 61

Delta R.T. 0.003 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

EW5Y3DL

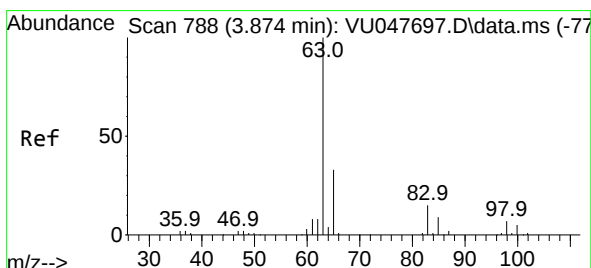
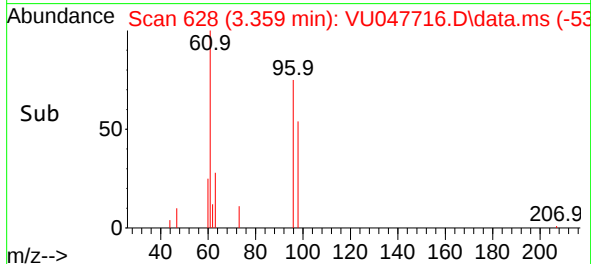
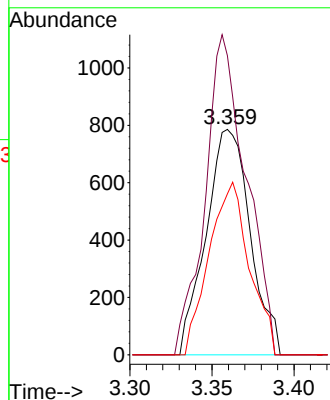
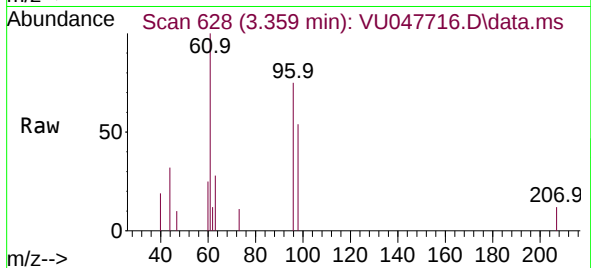
Tgt Ion: 96 Resp: 1474

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# 788

Delta R.T. 0.000 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

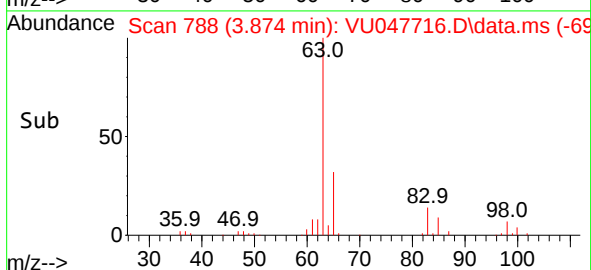
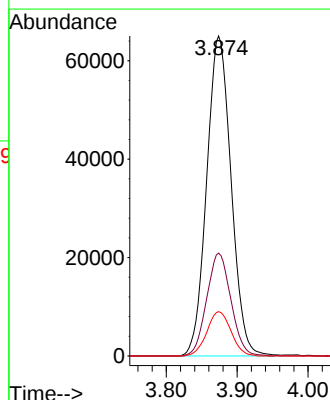
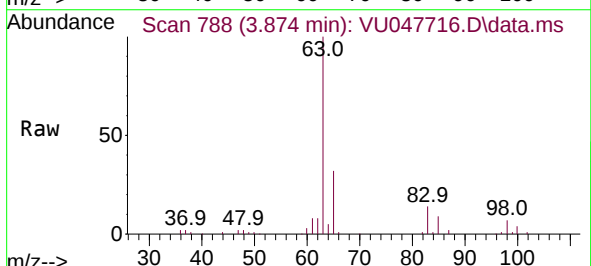
Tgt Ion: 63 Resp: 155880

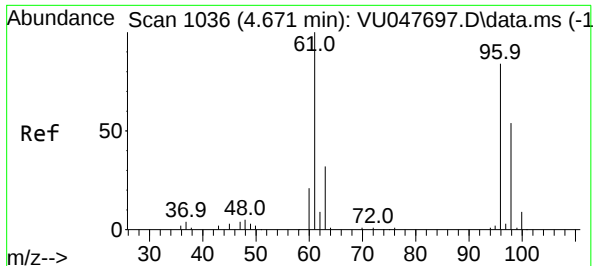
Ion Ratio Lower Upper

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

Instrument :

MSVOA_U

ClientSampleId :

EW5Y3DL

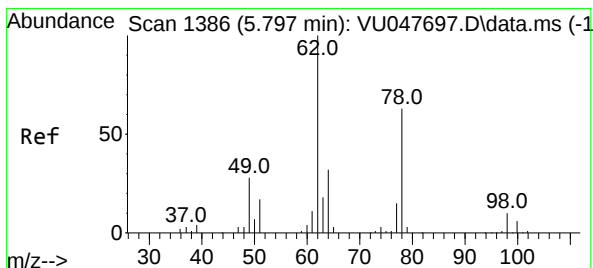
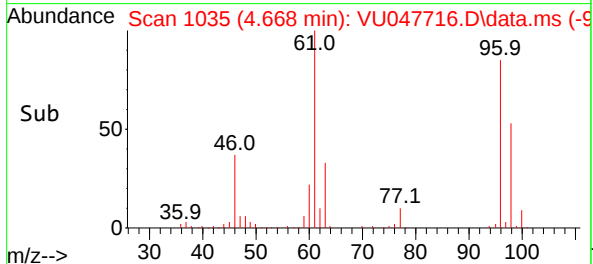
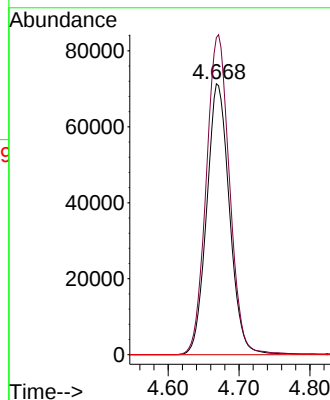
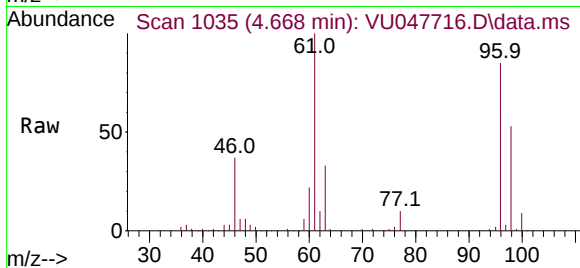
Tgt Ion: 96 Resp: 159405

Ion Ratio Lower Upper

96 100

61 117.1 80.7 149.9

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.408 ug/L

RT: 5.803 min Scan# 1388

Delta R.T. 0.006 min

Lab File: VU047716.D

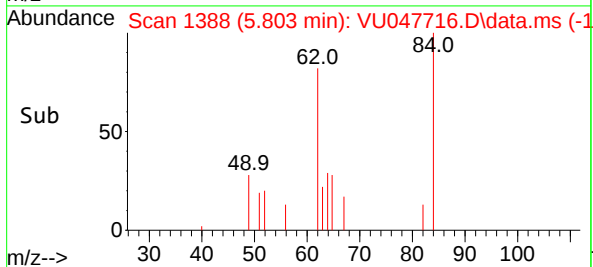
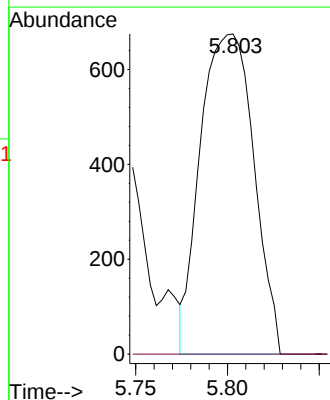
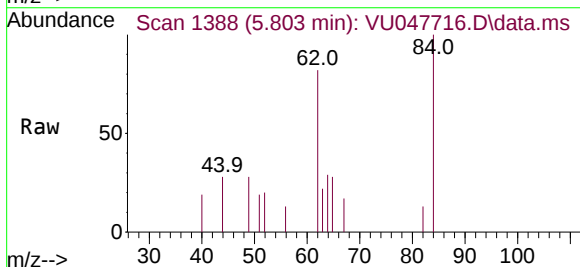
Acq: 26 Mar 2022 17:58

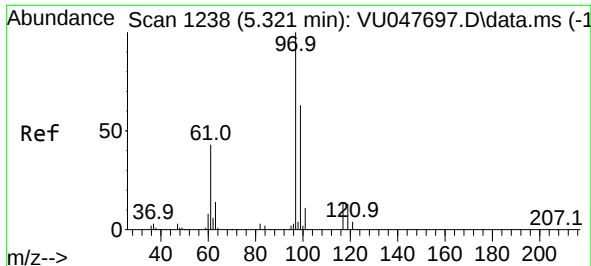
Tgt Ion: 62 Resp: 1366

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 20.808 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

EW5Y3DL

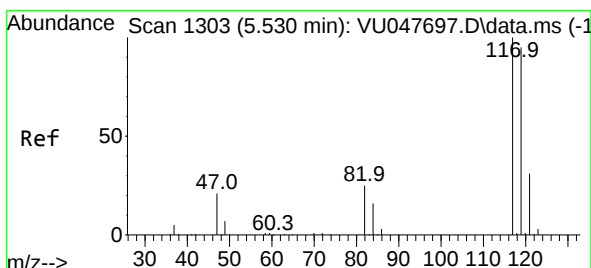
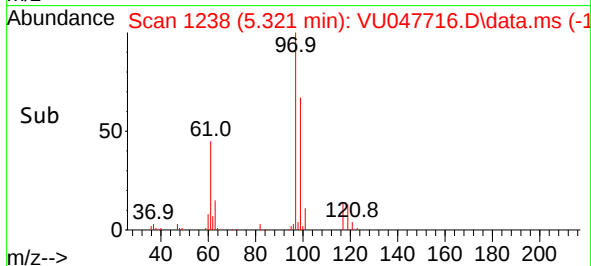
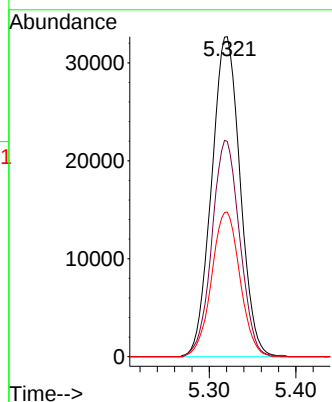
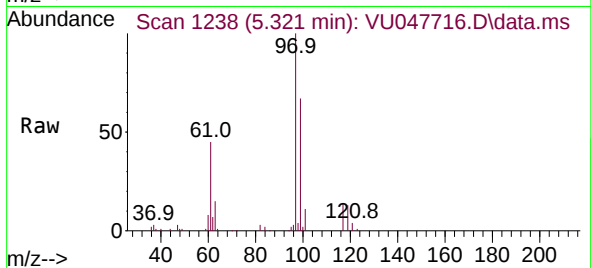
Tgt Ion: 97 Resp: 74851

Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

61 44.9 34.2 51.4



#31

Carbon tetrachloride

Concen: 3.060 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047716.D

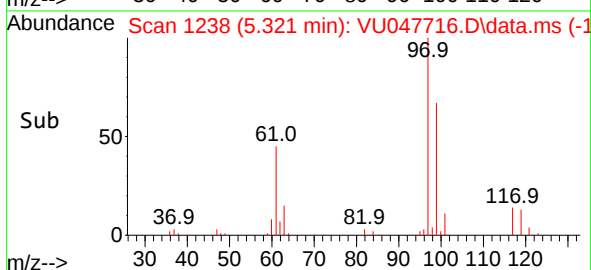
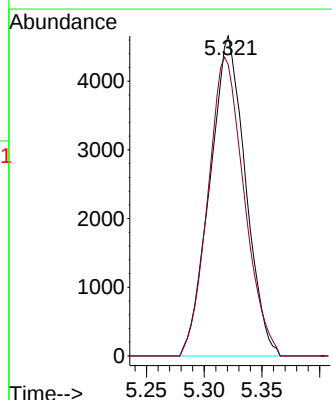
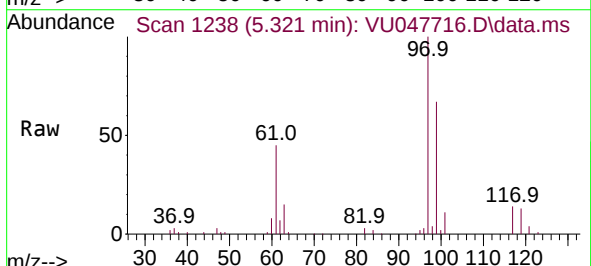
Acq: 26 Mar 2022 17:58

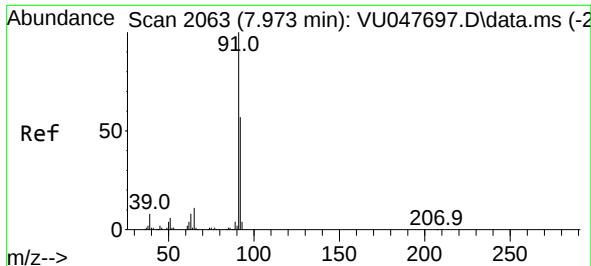
Tgt Ion: 117 Resp: 9940

Ion Ratio Lower Upper

117 100

119 95.1 77.2 115.8





#42

Toluene

Concen: 2.135 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

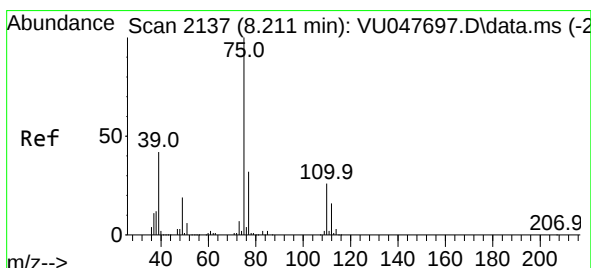
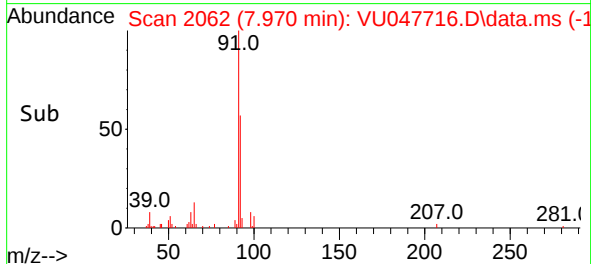
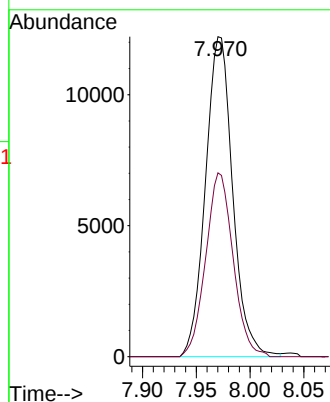
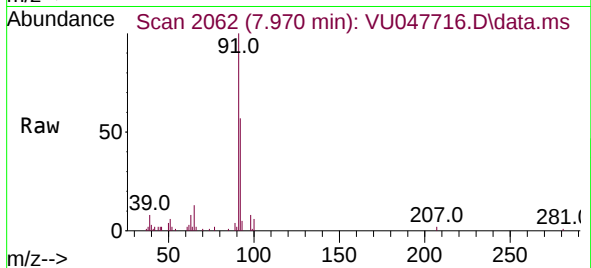
EW5Y3DL

Tgt Ion: 91 Resp: 21516

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.694 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU047716.D

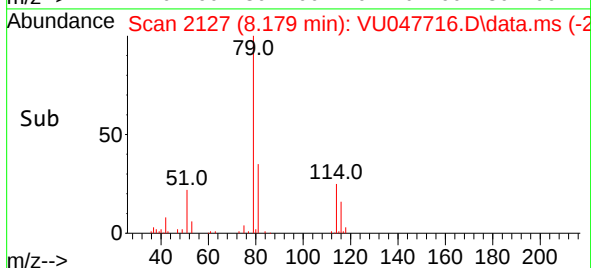
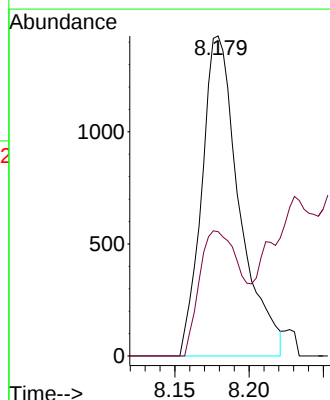
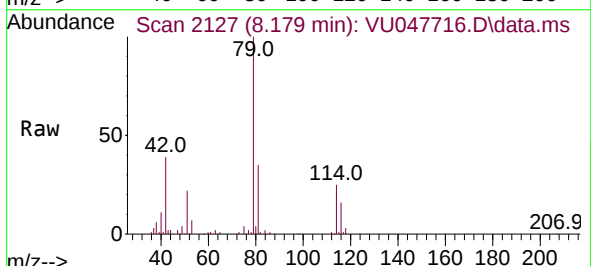
Acq: 26 Mar 2022 17:58

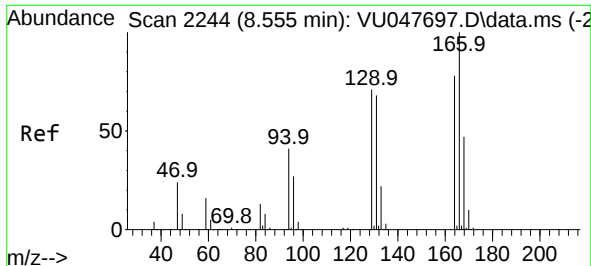
Tgt Ion: 75 Resp: 2510

Ion Ratio Lower Upper

75 100

77 38.9 22.0 40.8

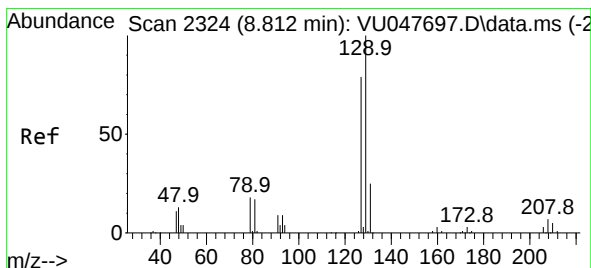
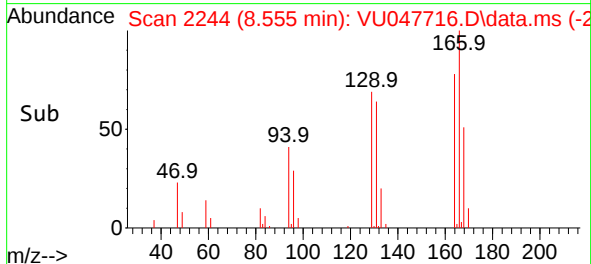
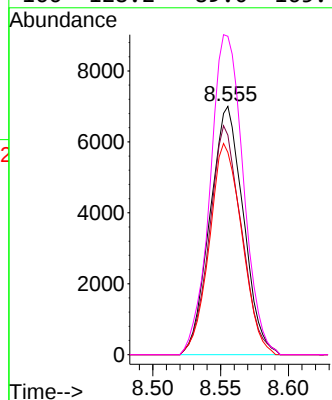
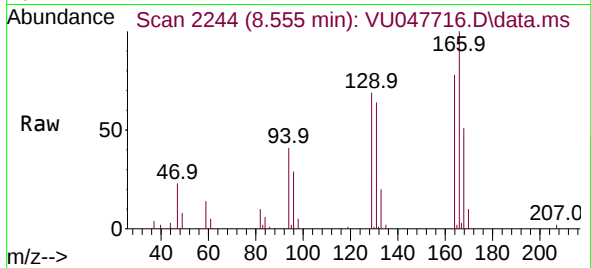




#46
Tetrachloroethene
Concen: 5.548 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

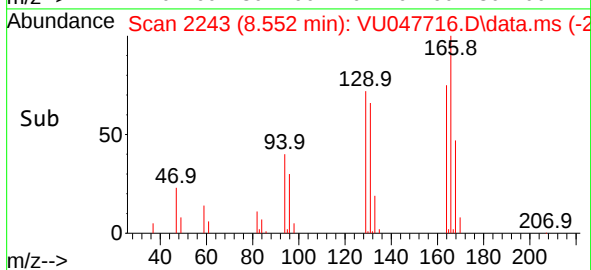
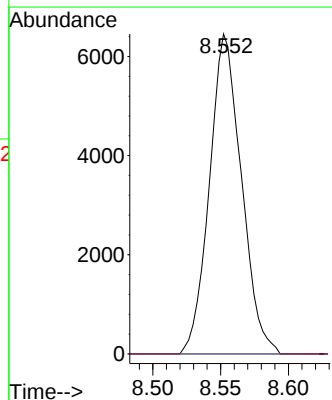
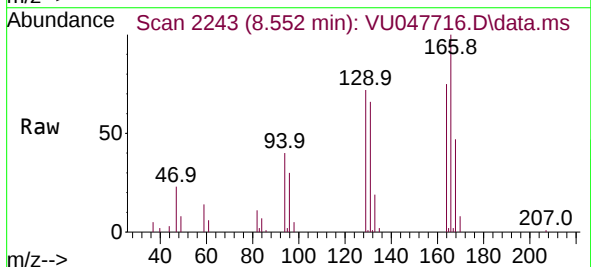
Instrument :
MSVOA_U
ClientSampleId :
EW5Y3DL

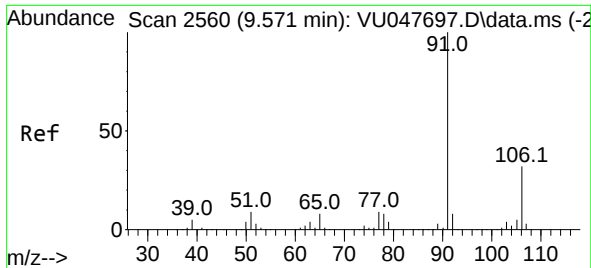
Tgt Ion:164 Resp: 12003
Ion Ratio Lower Upper
164 100
129 88.4 62.4 116.0
131 81.4 60.7 112.7
166 128.2 89.0 165.4



#49
Dibromochloromethane
Concen: 3.692 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

Tgt Ion:129 Resp: 10586
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#

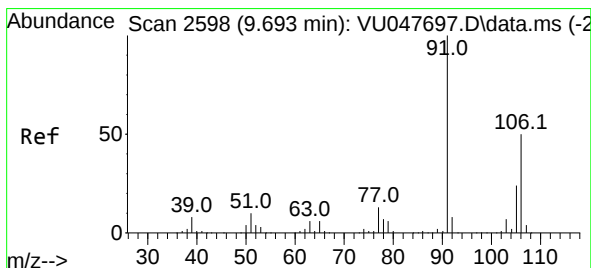
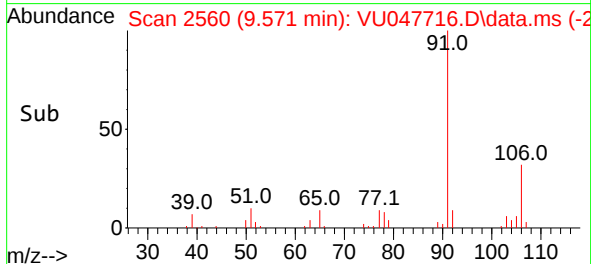
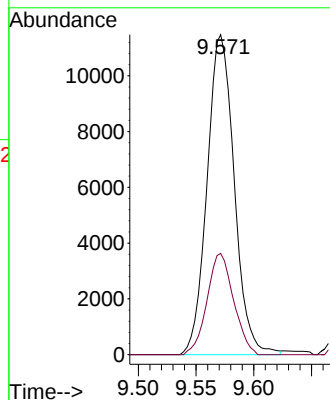
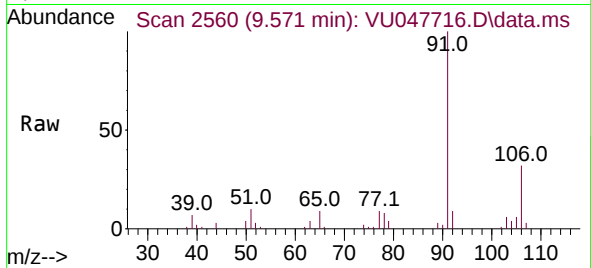




#52
Ethylbenzene
Concen: 1.773 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

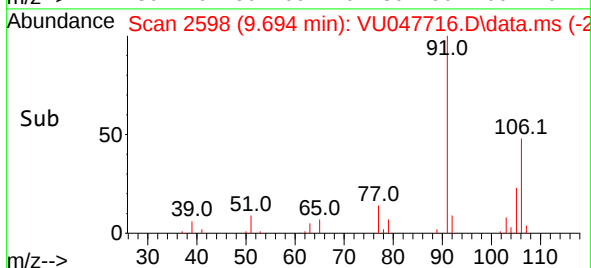
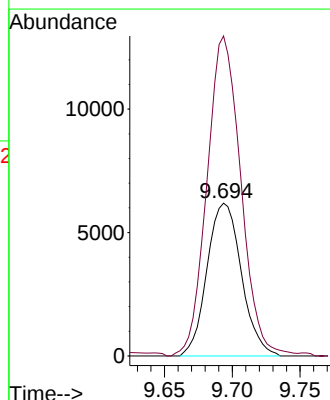
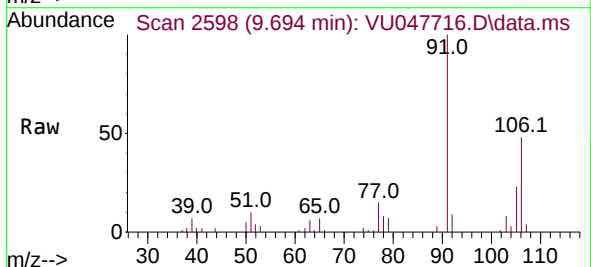
Instrument :
MSVOA_U
ClientSampleId :
EW5Y3DL

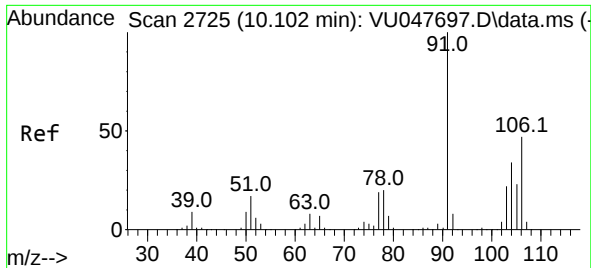
Tgt Ion: 91 Resp: 18786
Ion Ratio Lower Upper
91 100
106 31.7 22.4 41.6



#53
m,p-Xylene
Concen: 2.627 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

Tgt Ion: 106 Resp: 10920
Ion Ratio Lower Upper
106 100
91 209.5 137.7 255.7

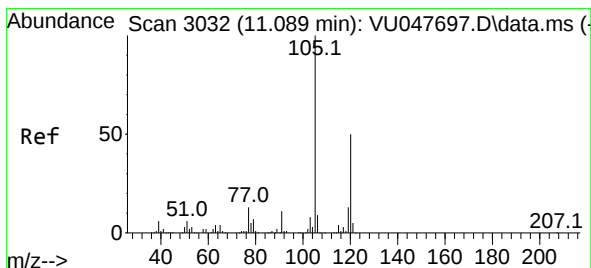
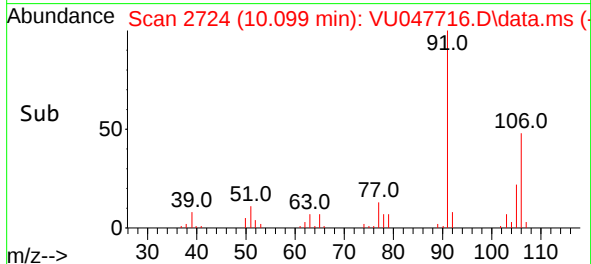
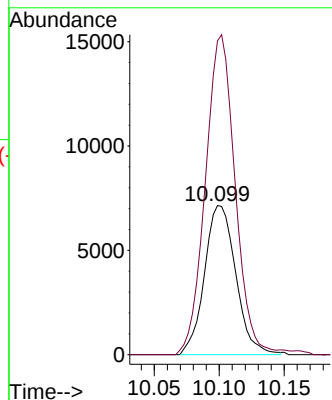
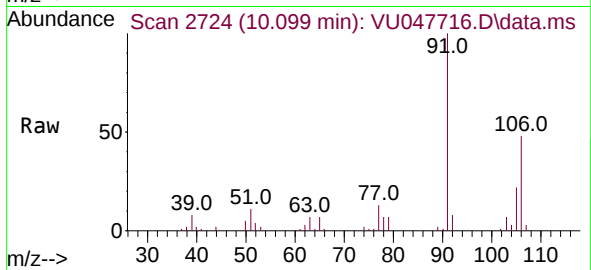




#54
o-Xylene
Concen: 2.940 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047716.D
Acq: 26 Mar 2022 17:58

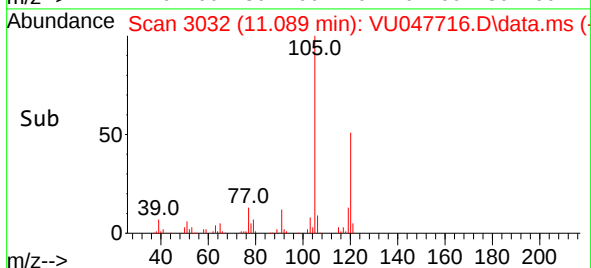
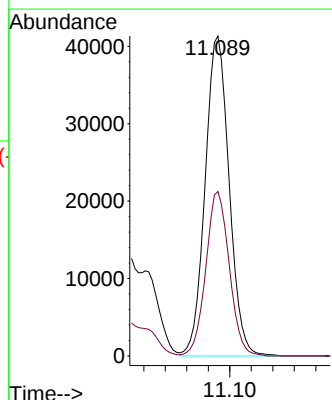
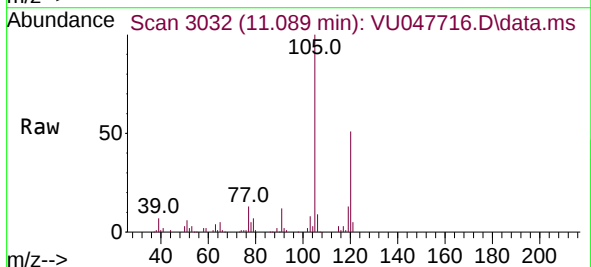
Instrument :
MSVOA_U
ClientSampleId :
EW5Y3DL

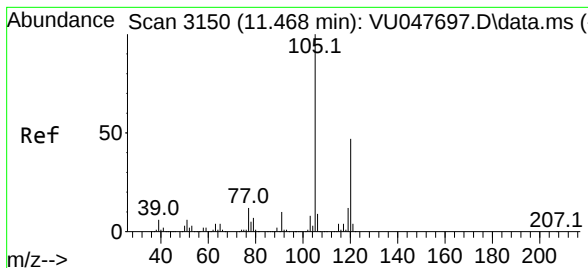
Tgt Ion:106 Resp: 11995
Ion Ratio Lower Upper
106 100
91 210.5 146.7 272.5



#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

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

Instrument :

MSVOA_U

ClientSampleId :

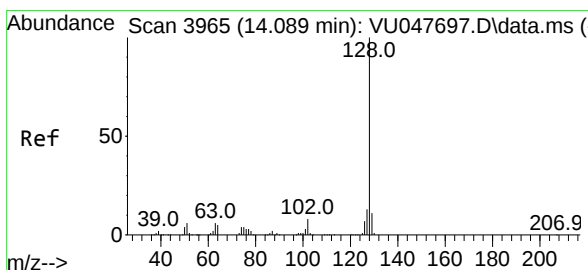
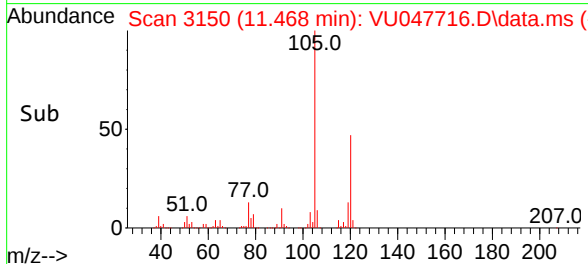
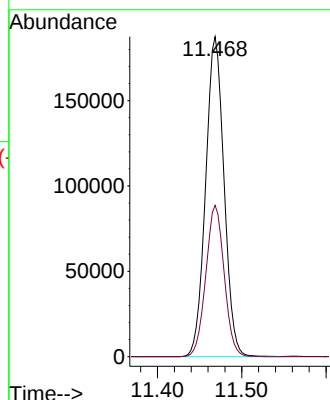
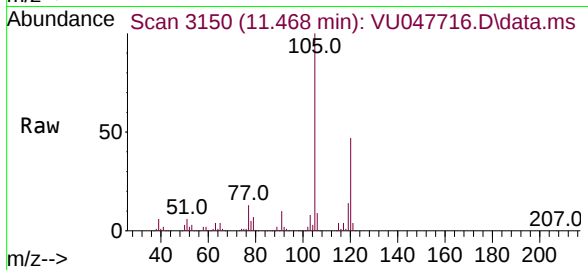
EW5Y3DL

Tgt Ion:105 Resp: 285144

Ion Ratio Lower Upper

105 100

120 47.2 37.6 56.4



#71

Naphthalene

Concen: 2.533 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU047716.D

Acq: 26 Mar 2022 17:58

Tgt Ion:128 Resp: 29993

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 10.5 8.8 13.2

