

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
 Data File : VU047735.D
 Acq On : 28 Mar 2022 18:08
 Operator : SY/MD
 Sample : N2081-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z4

Quant Time: Mar 29 01:46:43 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)

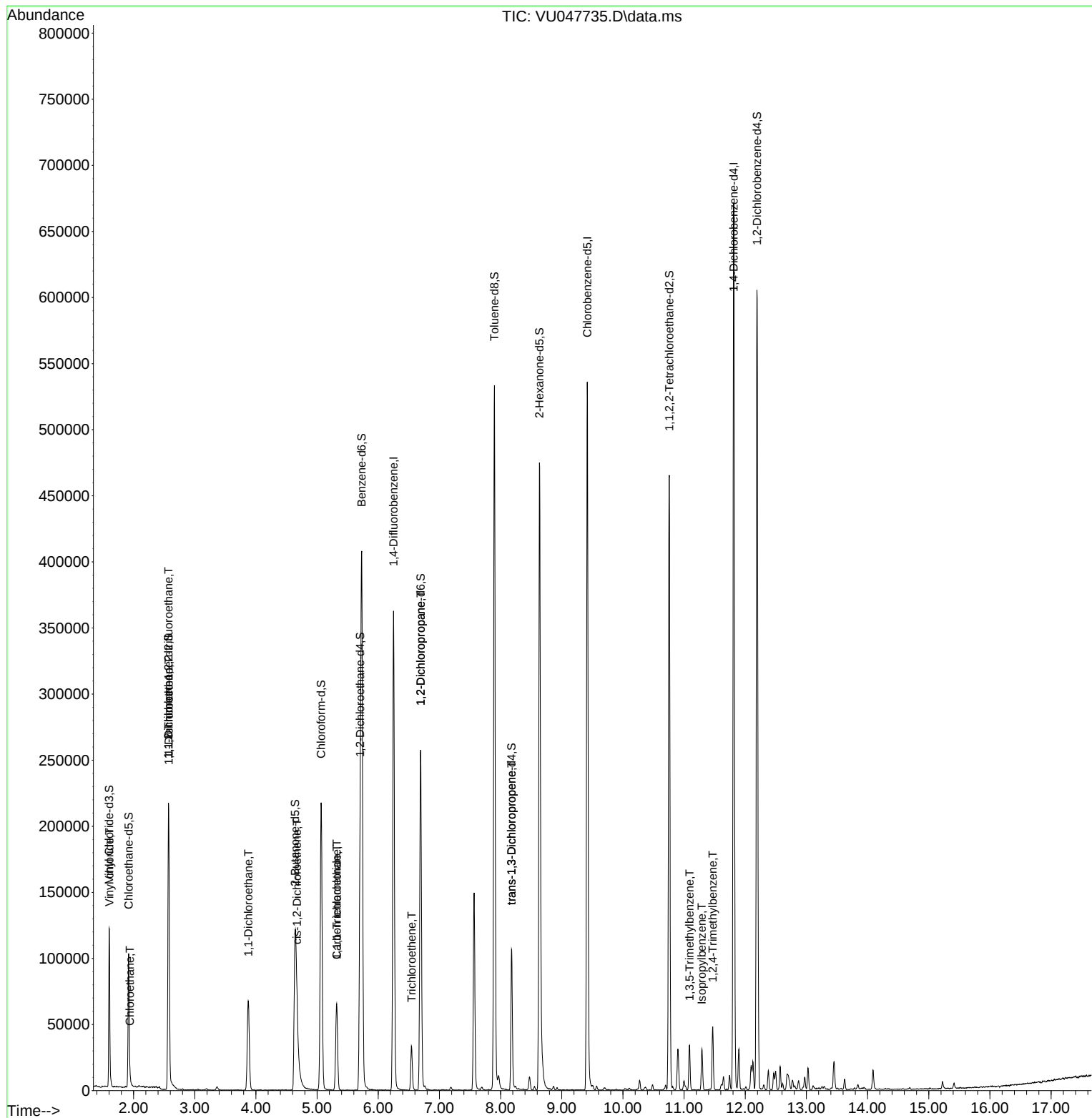
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	305021	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	318969	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	189301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87261	39.451	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.900%		
7) Chloroethane-d5	1.919	69	78223	44.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.700%		
11) 1,1-Dichloroethene-d2	2.571	63	126623	31.289	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.580%		
21) 2-Butanone-d5	4.642	46	253210	133.372	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	133.370%#		
24) Chloroform-d	5.067	84	204627	50.560	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.120%		
26) 1,2-Dichloroethane-d4	5.703	65	128408	51.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.460%		
32) Benzene-d6	5.729	84	379096	47.233	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.460%		
36) 1,2-Dichloropropane-d6	6.694	67	123913	50.271	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.540%		
41) Toluene-d8	7.899	98	366203	46.830	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.660%		
43) trans-1,3-Dichloroprop...	8.179	79	60129	48.151	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.300%		
47) 2-Hexanone-d5	8.636	63	179914	124.684	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	124.680%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	230038	54.380	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.760%		
66) 1,2-Dichlorobenzene-d4	12.192	152	159893	47.476	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.960%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	3359	1.218	ug/L #	63
8) Chloroethane	1.941	64	2480	1.432	ug/L #	75
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	1472	0.655	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	1264	0.604	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	76812	19.735	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	4198	1.697	ug/L	91
30) 1,1,1-Trichloroethane	5.321	97	47173	13.043	ug/L	99
31) Carbon tetrachloride	5.321	117	6218	1.904	ug/L	97
34) Trichloroethene	6.546	95	10924	4.513	ug/L	96
37) 1,2-Dichloropropane	6.694	63	13827	5.891	ug/L #	87
44) trans-1,3-Dichloropropene	8.179	75	2728	0.750	ug/L	85
61) Isopropylbenzene	11.291	105	18546	1.813	ug/L	94
62) 1,3,5-Trimethylbenzene	11.089	105	18198	3.278	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	26265	3.115	ug/L	97

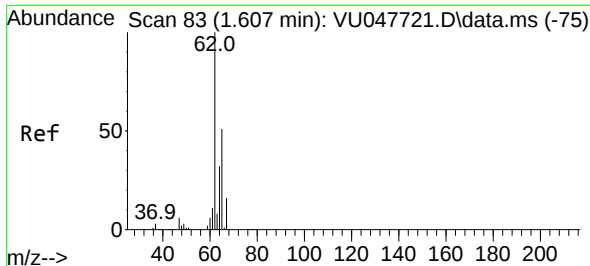
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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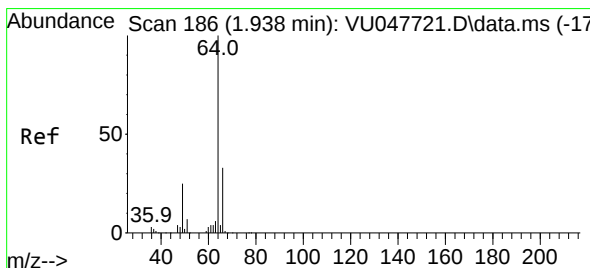
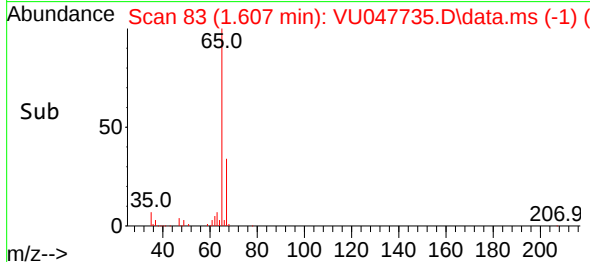
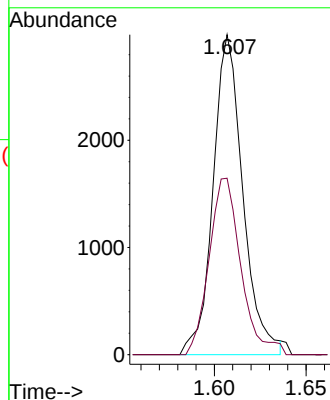
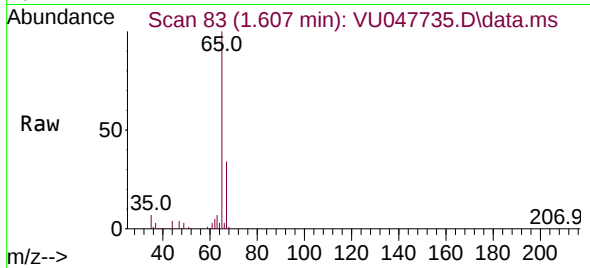




#5
 Vinyl chloride
 Concen: 1.218 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU047735.D
 Acq: 28 Mar 2022 18:08

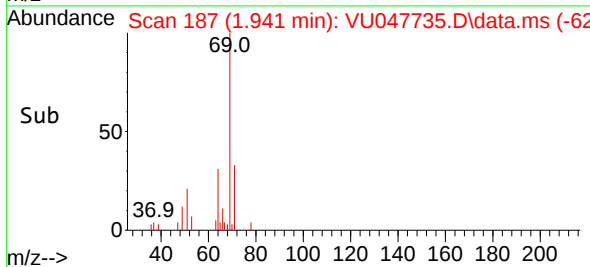
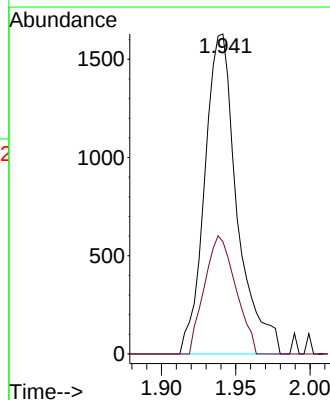
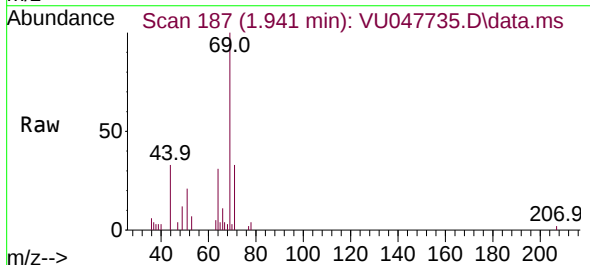
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z4

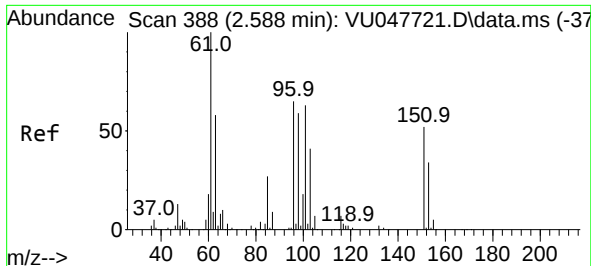
Tgt Ion: 62 Resp: 3359
 Ion Ratio Lower Upper
 62 100
 64 55.1 23.7 43.9#



#8
 Chloroethane
 Concen: 1.432 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU047735.D
 Acq: 28 Mar 2022 18:08

Tgt Ion: 64 Resp: 2480
 Ion Ratio Lower Upper
 64 100
 66 47.8 23.3 43.3#





#10

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

Concen: 0.655 ug/L

RT: 2.571 min Scan# 388

Delta R.T. -0.016 min

Lab File: VU047735.D

Acq: 28 Mar 2022 18:08

Instrument :

MSVOA_U

ClientSampleId :

EW5Z4

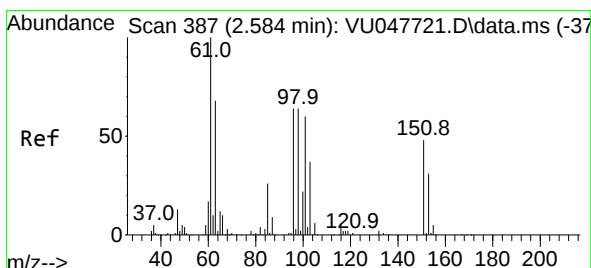
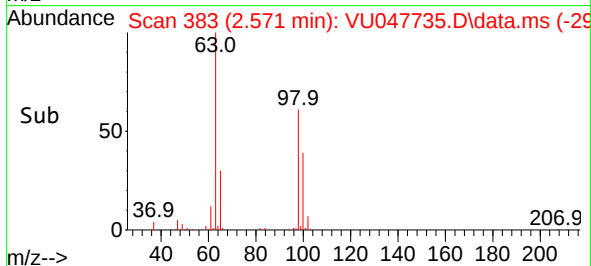
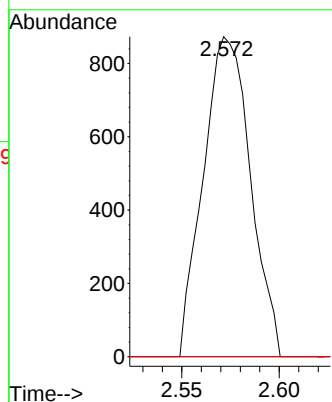
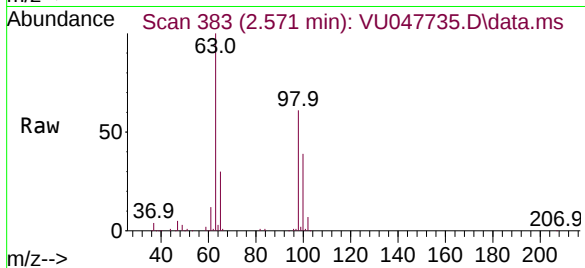
Tgt Ion:101 Resp: 1472

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: 0.604 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.010 min

Lab File: VU047735.D

Acq: 28 Mar 2022 18:08

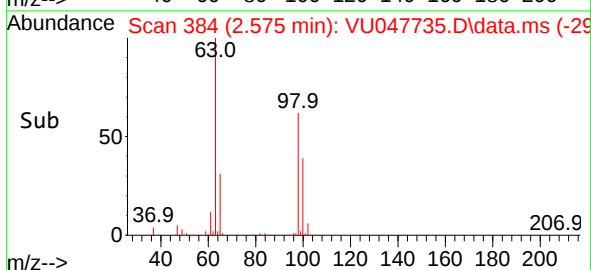
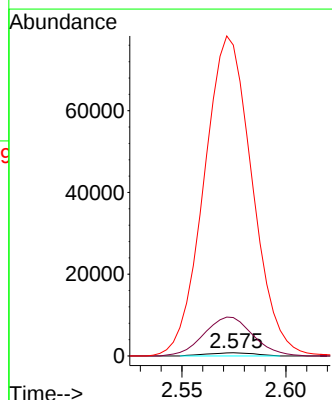
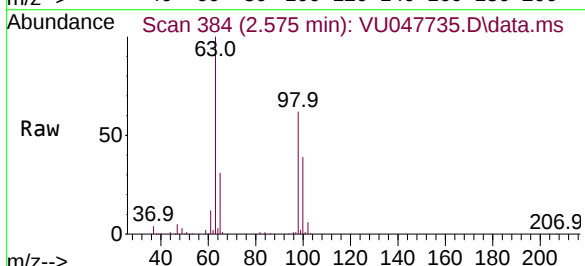
Tgt Ion: 96 Resp: 1264

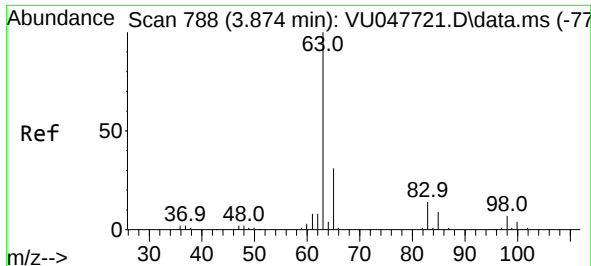
Ion Ratio Lower Upper

96 100

61 1223.3 113.1 210.1#

63 9904.2 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 19.735 ug/L

RT: 3.877 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU047735.D

Acq: 28 Mar 2022 18:08

Instrument :

MSVOA_U

ClientSampleId :

EW5Z4

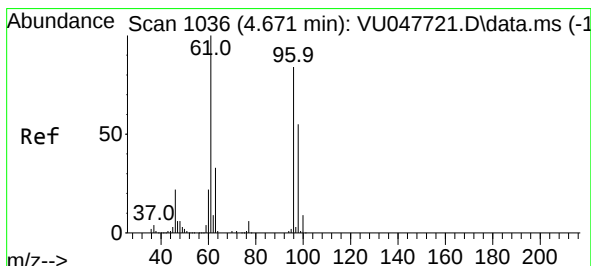
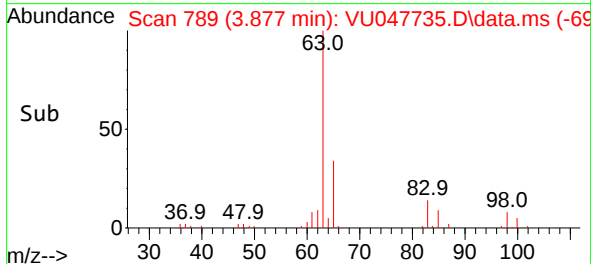
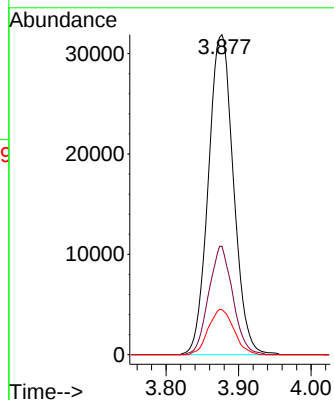
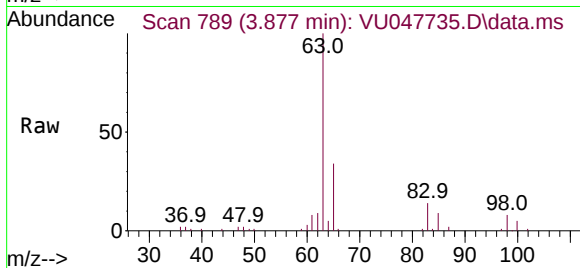
Tgt Ion: 63 Resp: 76812

Ion Ratio Lower Upper

63 100

65 33.9 22.0 41.0

83 14.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 1.697 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047735.D

Acq: 28 Mar 2022 18:08

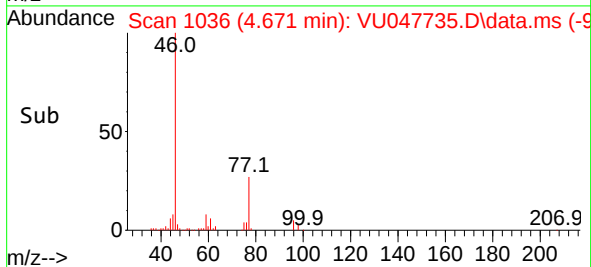
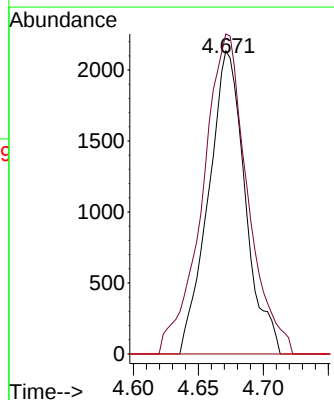
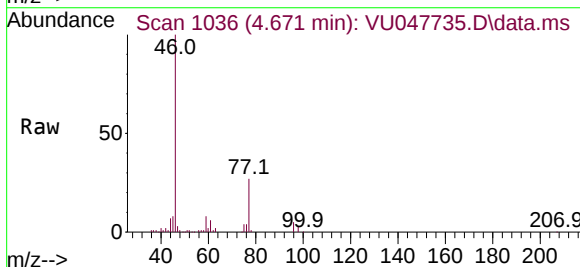
Tgt Ion: 96 Resp: 4198

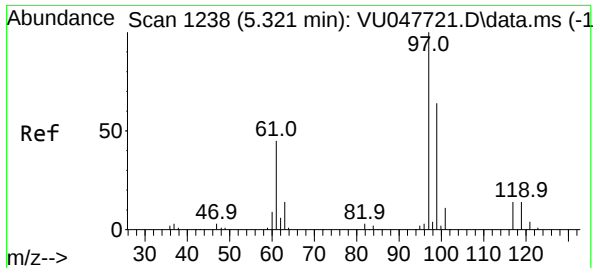
Ion Ratio Lower Upper

96 100

61 105.6 80.7 149.9

68 0.0 0.0 0.0

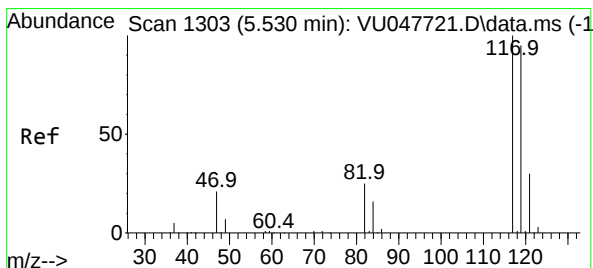
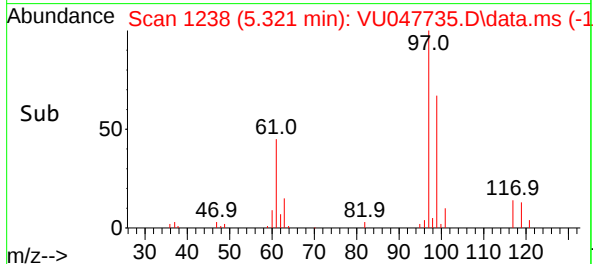
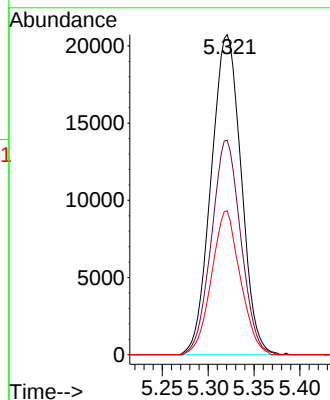
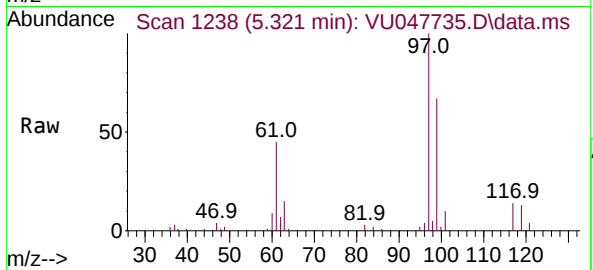




#30
1,1,1-Trichloroethane
Concen: 13.043 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU047735.D
Acq: 28 Mar 2022 18:08

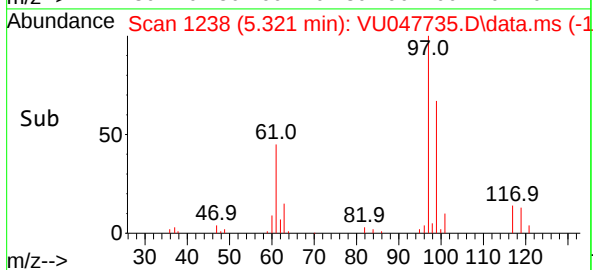
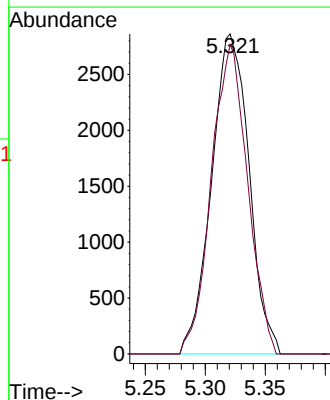
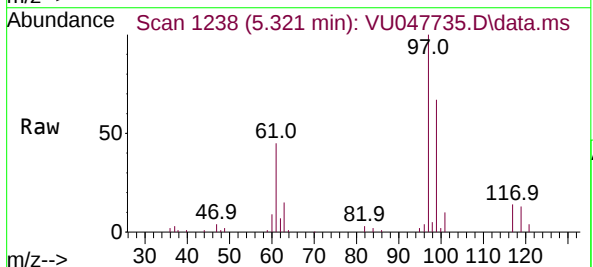
Instrument :
MSVOA_U
ClientSampleId :
EW5Z4

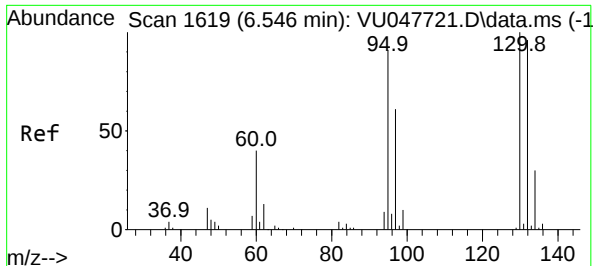
Tgt Ion: 97	Resp: 47173
Ion Ratio	Lower Upper
97 100	
99 65.6	51.6 77.4
61 43.2	34.2 51.4



#31
Carbon tetrachloride
Concen: 1.904 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU047735.D
Acq: 28 Mar 2022 18:08

Tgt Ion:117	Resp:	6218	
Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.2	115.8



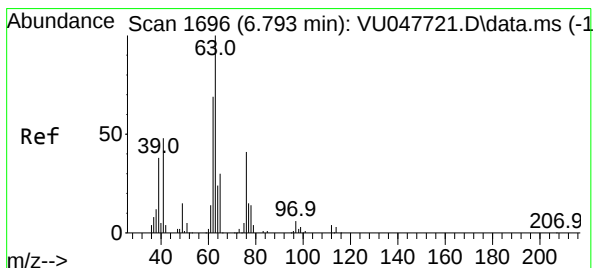
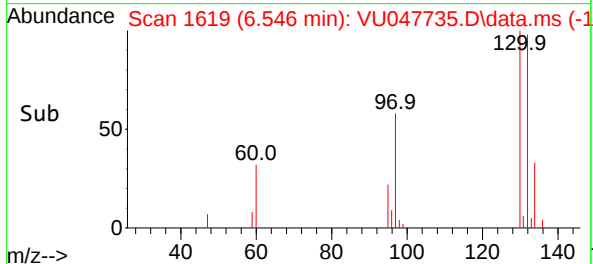
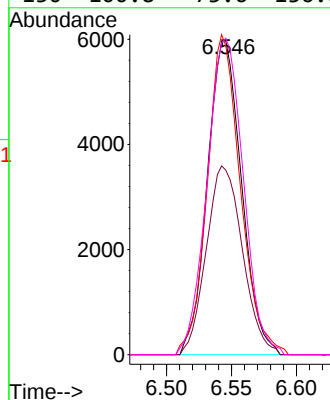
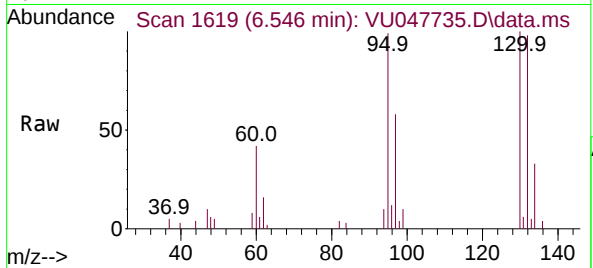


#34
Trichloroethene
Concen: 4.513 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047735.D
Acq: 28 Mar 2022 18:08

Instrument :
MSVOA_U
ClientSampleId :
EW5Z4

Tgt Ion: 95 Resp: 10924

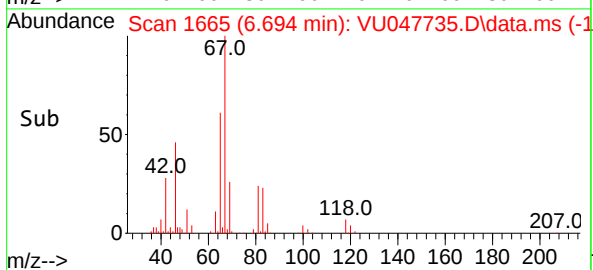
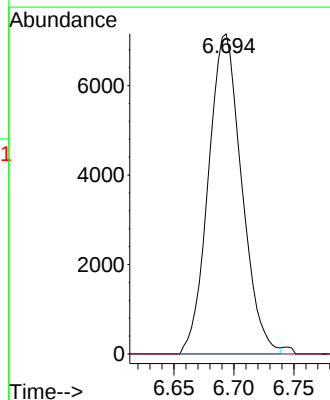
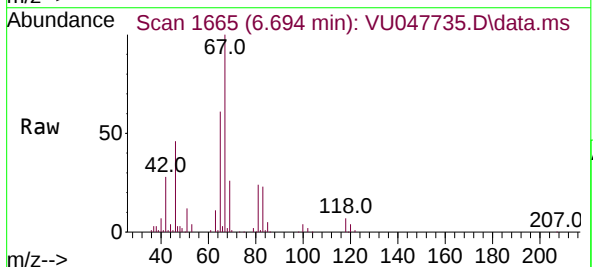
Ion	Ratio	Lower	Upper
95	100		
97	58.8	44.7	82.9
132	98.4	70.4	130.8
130	100.8	73.6	136.8

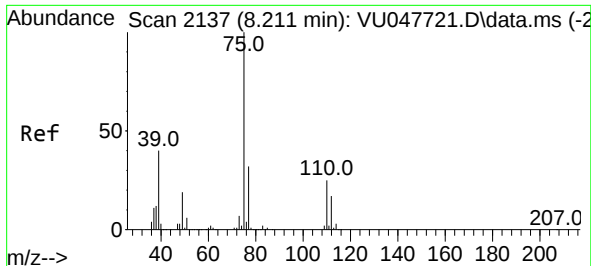


#37
1,2-Dichloropropane
Concen: 5.891 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047735.D
Acq: 28 Mar 2022 18:08

Tgt Ion: 63 Resp: 13827

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.2#

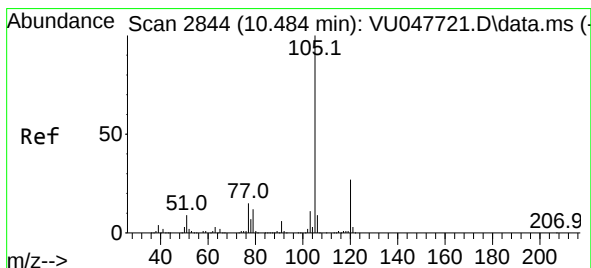
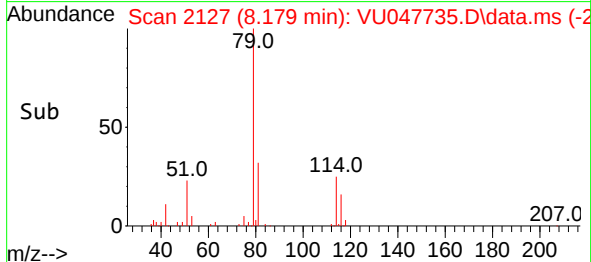
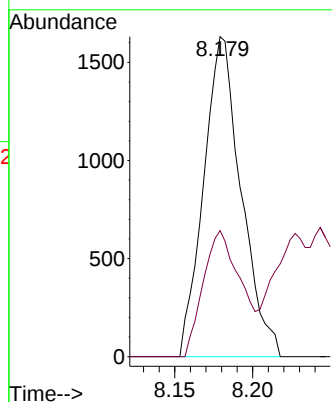
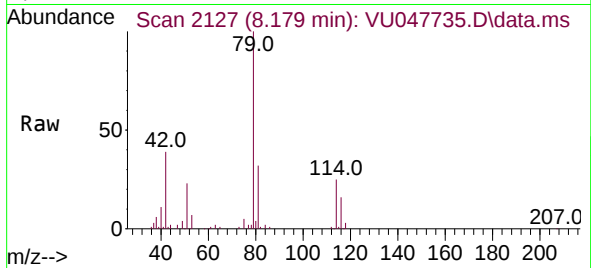




#44
trans-1,3-Dichloropropene
Concen: 0.750 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU047735.D
Acq: 28 Mar 2022 18:08

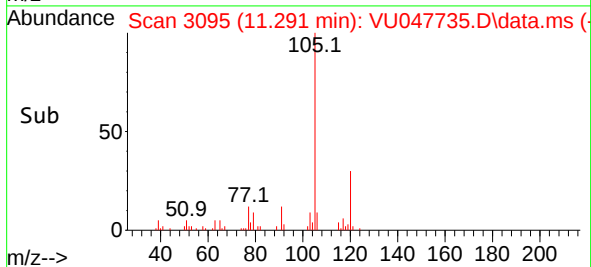
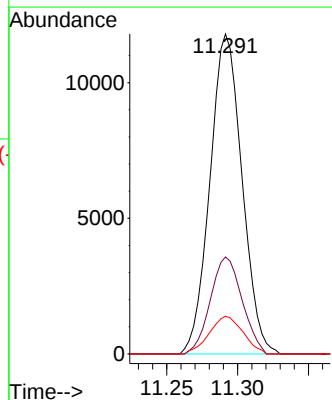
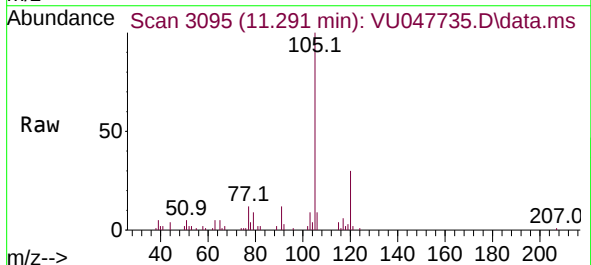
Instrument :
MSVOA_U
ClientSampleId :
EW5Z4

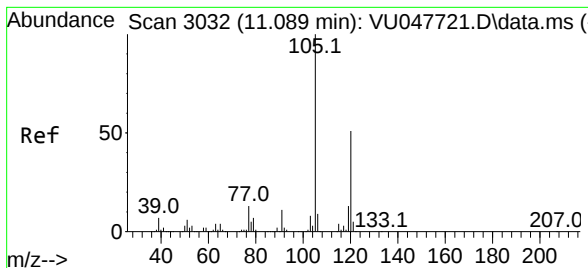
Tgt Ion: 75 Resp: 2728
Ion Ratio Lower Upper
75 100
77 39.4 22.0 40.8



#61
Isopropylbenzene
Concen: 1.813 ug/L
RT: 11.291 min Scan# 3095
Delta R.T. 0.807 min
Lab File: VU047735.D
Acq: 28 Mar 2022 18:08

Tgt Ion: 105 Resp: 18546
Ion Ratio Lower Upper
105 100
120 30.0 21.9 32.9
77 12.4 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 3.278 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047735.D

Acq: 28 Mar 2022 18:08

Instrument :

MSVOA_U

ClientSampleId :

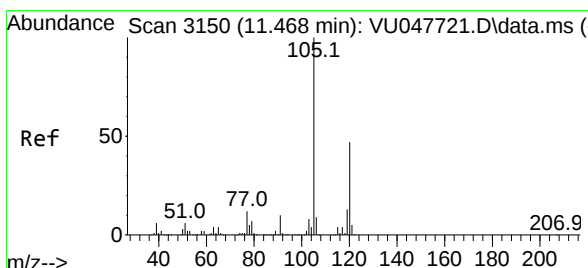
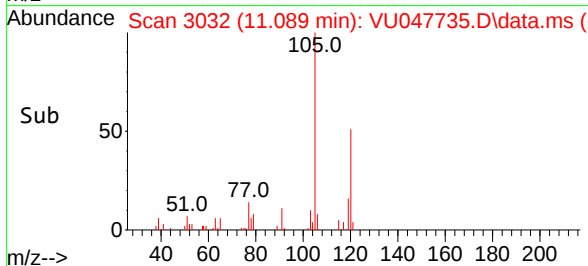
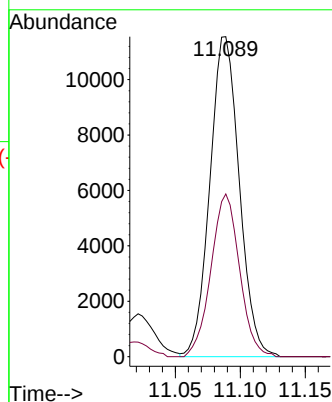
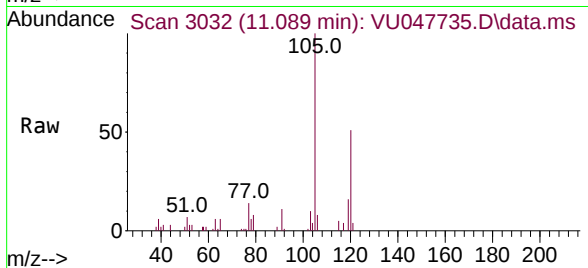
EW5Z4

Tgt Ion:105 Resp: 18198

Ion Ratio Lower Upper

105 100

120 49.2 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 3.115 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047735.D

Acq: 28 Mar 2022 18:08

Tgt Ion:105 Resp: 26265

Ion Ratio Lower Upper

105 100

120 44.9 37.6 56.4

