

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U032822\
 Data File : U047726.D
 Acq On : 28 Mar 2022 14:45
 Operator : SY/MD
 Sample : N2081-06DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5DL

Quant Time: Mar 29 01:44:31 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	319694	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	332048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	193476	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87884	37.909	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.820%
7) Chloroethane-d5	1.919	69	77621	42.463	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.920%
11) 1,1-Dichloroethene-d2	2.571	63	131535	31.011	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.020%
21) 2-Butanone-d5	4.645	46	237895	119.554	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.550%
24) Chloroform-d	5.067	84	193909	45.713	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.420%
26) 1,2-Dichloroethane-d4	5.703	65	130294	50.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.160%
32) Benzene-d6	5.729	84	385294	46.114	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.220%
36) 1,2-Dichloropropane-d6	6.693	67	126312	49.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.460%
41) Toluene-d8	7.899	98	347436	42.680	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.360%
43) trans-1,3-Dichloroprop...	8.179	79	58337	44.876	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.760%
47) 2-Hexanone-d5	8.636	63	167260	111.349	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.350%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	212551	48.267	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.540%
66) 1,2-Dichlorobenzene-d4	12.192	152	166161	48.273	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.540%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	33234	11.496	ug/L	98
8) Chloroethane	1.941	64	10661	5.875	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1512	0.642	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	3273	1.493	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	1496	0.632	ug/L	100
19) 1,1-Dichloroethane	3.874	63	152997	37.505	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	160258	61.801	ug/L	97
27) 1,2-Dichloroethane	5.803	62	1504	0.443	ug/L #	75
30) 1,1,1-Trichloroethane	5.321	97	72583	19.278	ug/L	97
31) Carbon tetrachloride	5.321	117	10418	3.064	ug/L	96
37) 1,2-Dichloropropane	6.693	63	13609	5.570	ug/L #	87
42) Toluene	7.970	91	22565	2.140	ug/L	95
44) trans-1,3-Dichloropropene	8.179	75	2744	0.725	ug/L	85
46) Tetrachloroethene	8.555	164	12272	5.420	ug/L	94
49) Dibromochloromethane	8.555	129	11320	3.772	ug/L #	11
52) Ethylbenzene	9.571	91	28157	2.539	ug/L	98
53) m,p-Xylene	9.693	106	10486	2.410	ug/L	92
54) o-Xylene	10.098	106	11784	2.760	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	61457	10.833	ug/L	98

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QLast Update : Tue Mar 29 01:43:13 2022
Response via : Initial Calibration

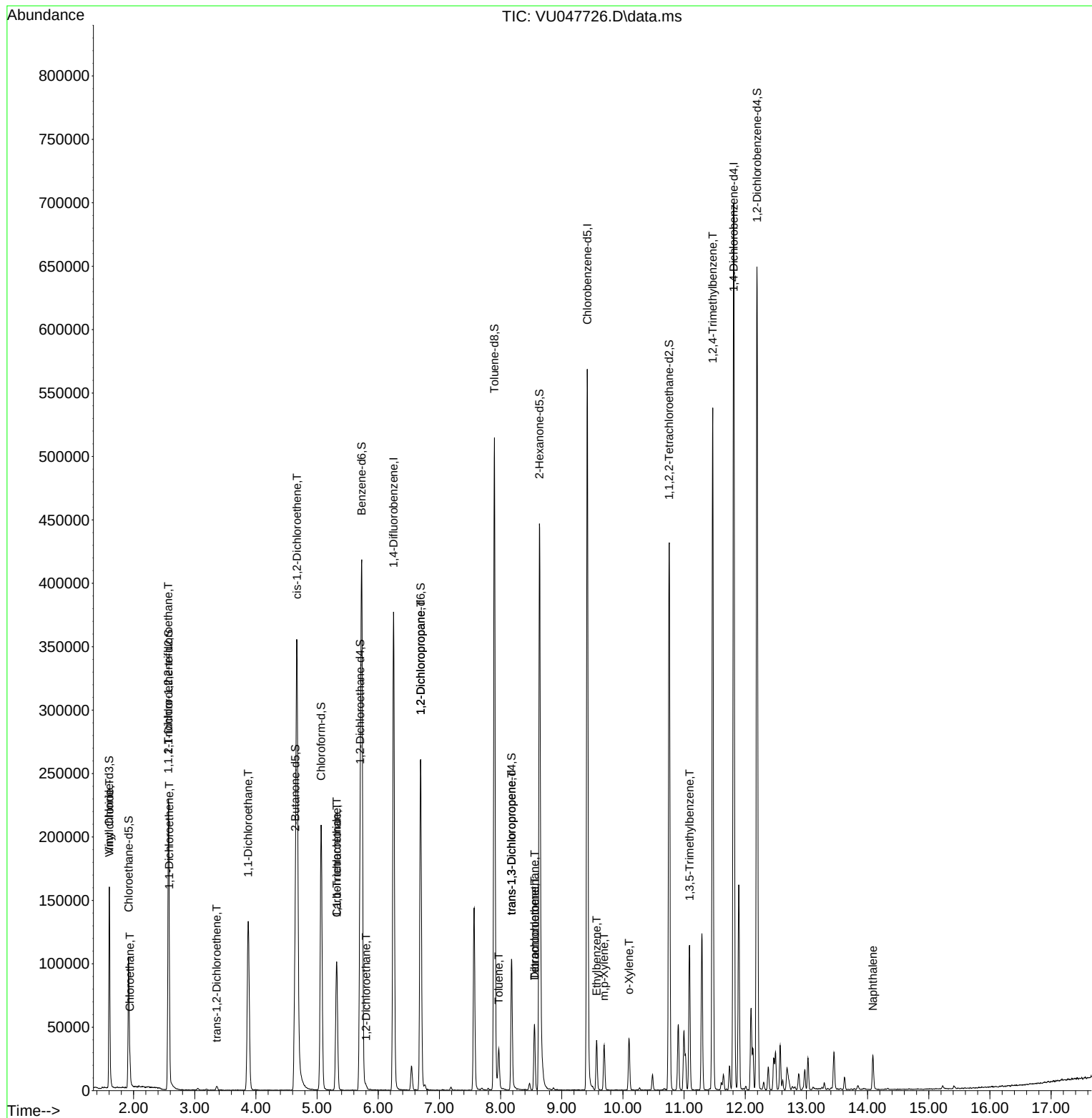
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	288578	33.487	ug/L	100
71) Naphthalene	14.085	128	22127	1.795	ug/L	98

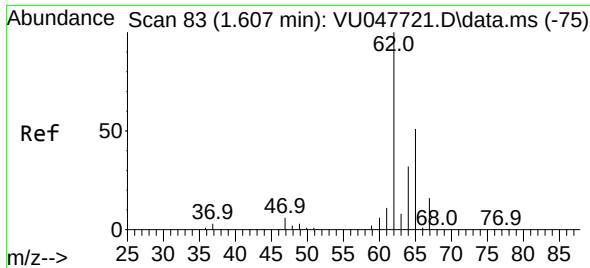
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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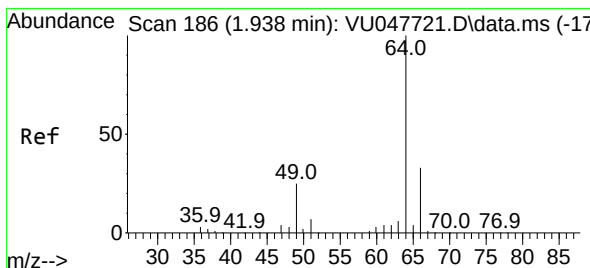
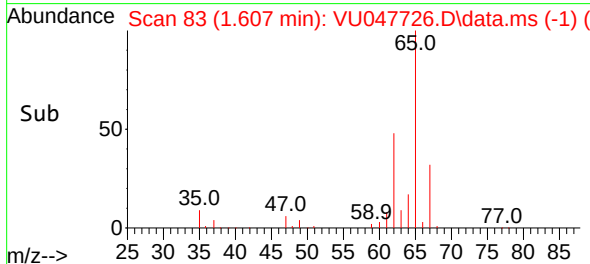
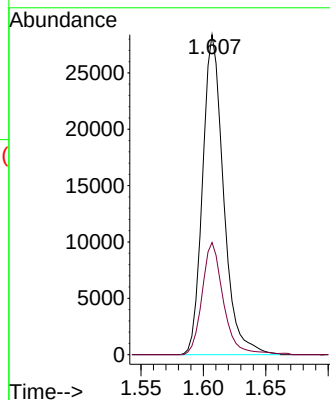
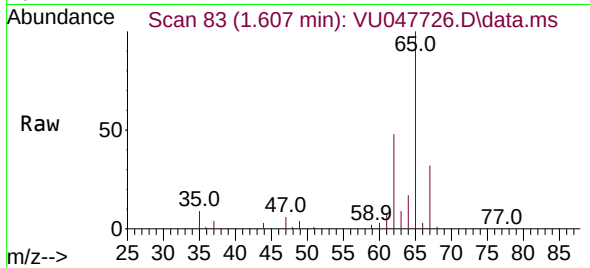




#5
 Vinyl chloride
 Concen: 11.496 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU047726.D
 Acq: 28 Mar 2022 14:45

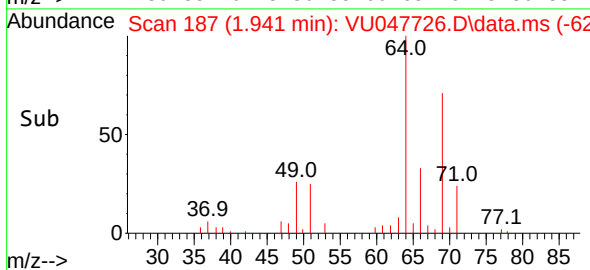
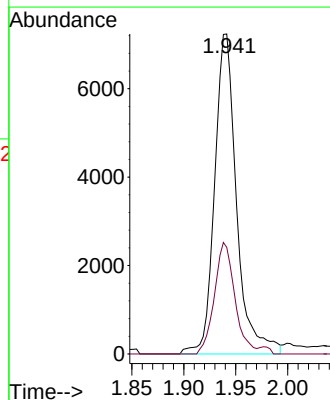
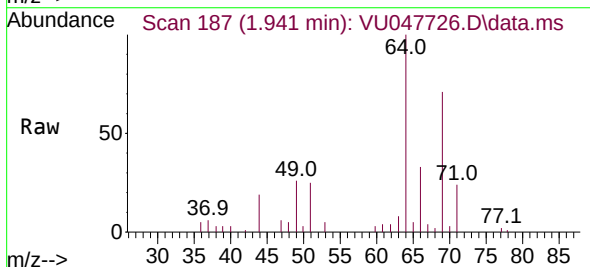
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5DL

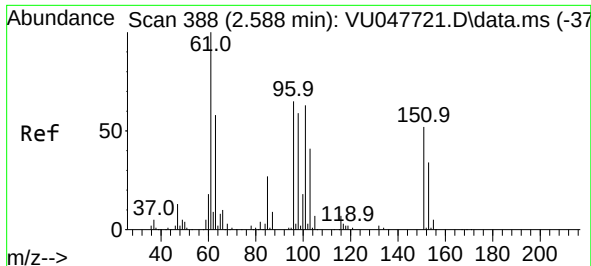
Tgt Ion: 62 Resp: 33234
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.7 43.9



#8
 Chloroethane
 Concen: 5.875 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU047726.D
 Acq: 28 Mar 2022 14:45

Tgt Ion: 64 Resp: 10661
 Ion Ratio Lower Upper
 64 100
 66 33.3 23.3 43.3

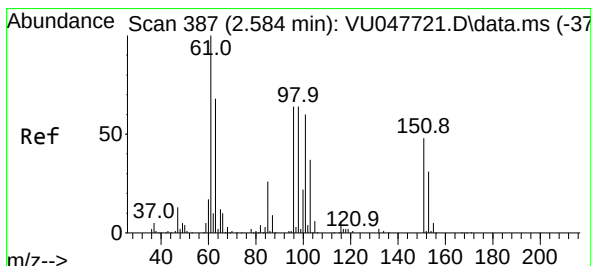
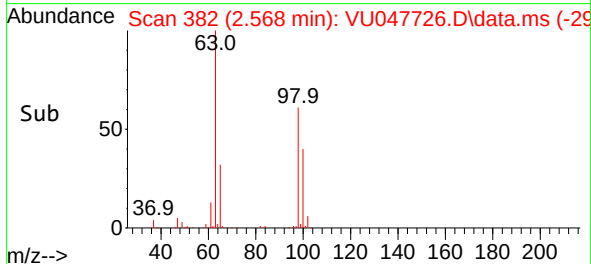
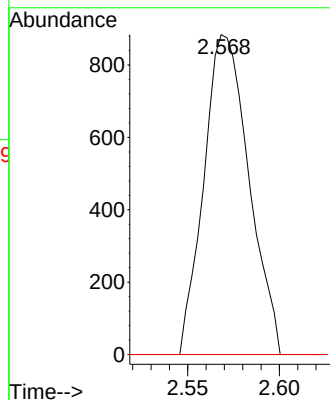
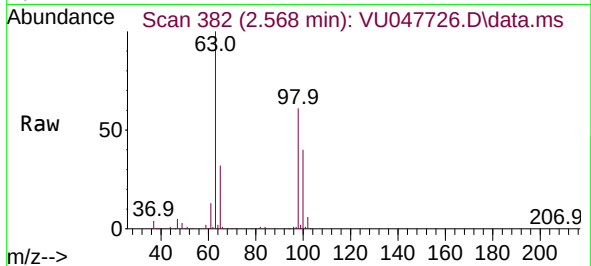




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.642 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

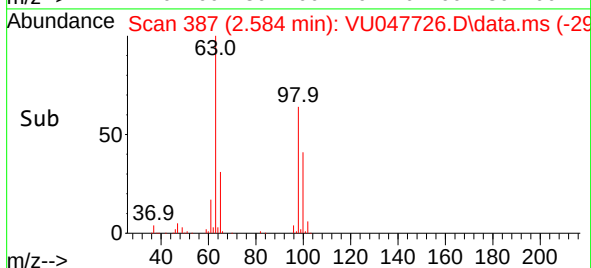
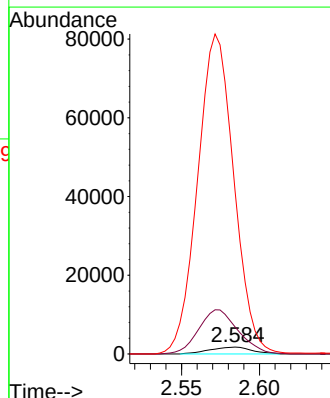
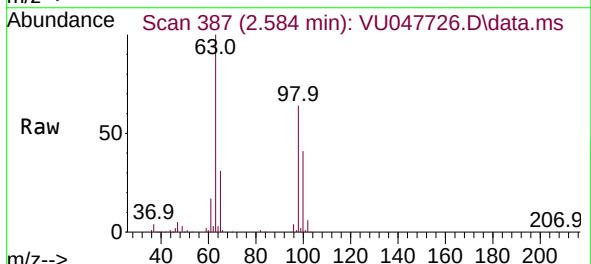
Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

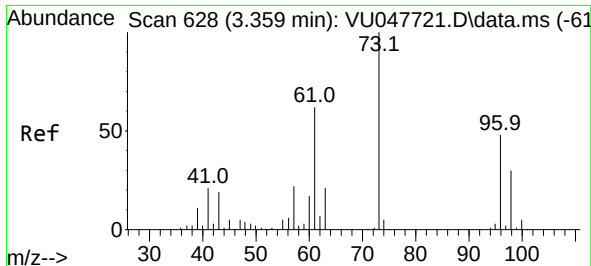
Tgt Ion:101 Resp: 1512
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 1.493 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion: 96 Resp: 3273
Ion Ratio Lower Upper
96 100
61 391.4 113.1 210.1#
63 2363.5 94.8 176.0#





#17

trans-1,2-Dichloroethene

Concen: 0.632 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047726.D

Acq: 28 Mar 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

EW5X5DL

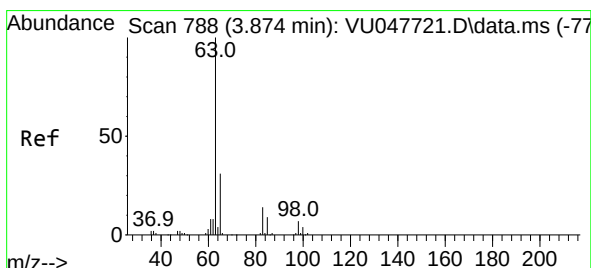
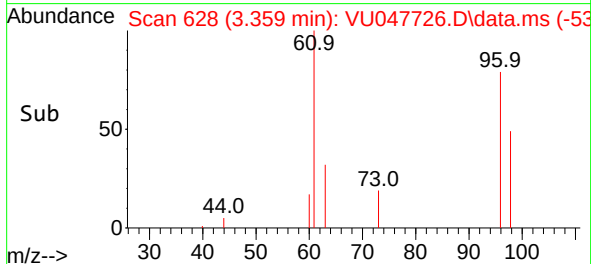
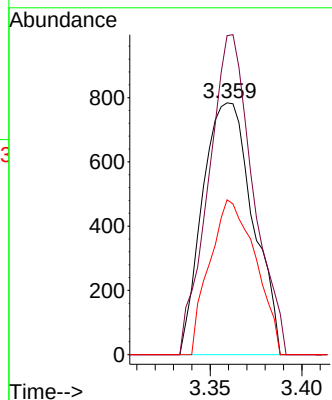
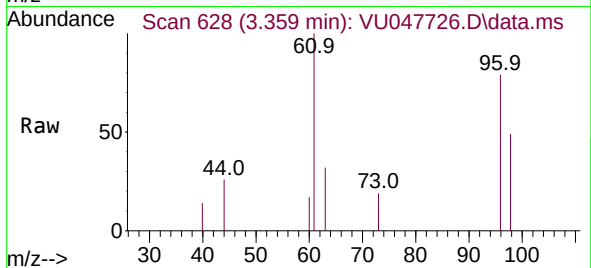
Tgt Ion: 96 Resp: 1496

Ion Ratio Lower Upper

96 100

61 126.7 88.4 164.2

98 61.5 43.3 80.5



#19

1,1-Dichloroethane

Concen: 37.505 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047726.D

Acq: 28 Mar 2022 14:45

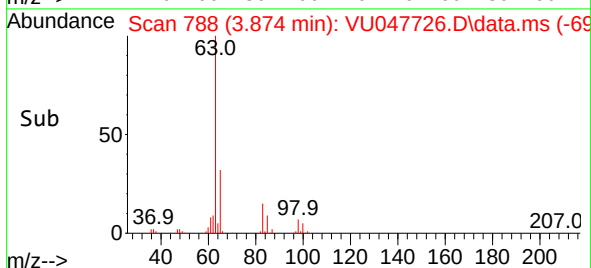
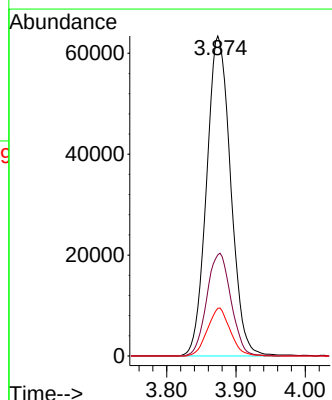
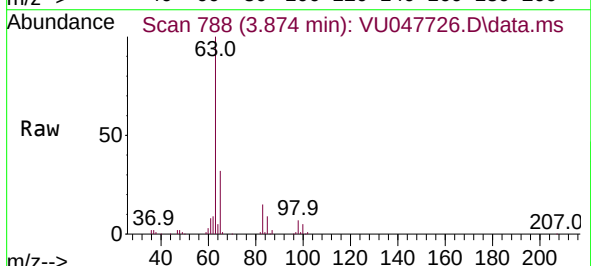
Tgt Ion: 63 Resp: 152997

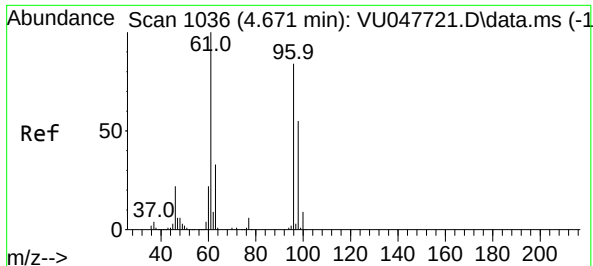
Ion Ratio Lower Upper

63 100

65 31.6 22.0 41.0

83 14.9 9.7 18.1



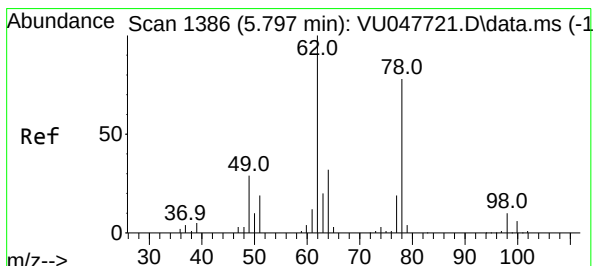
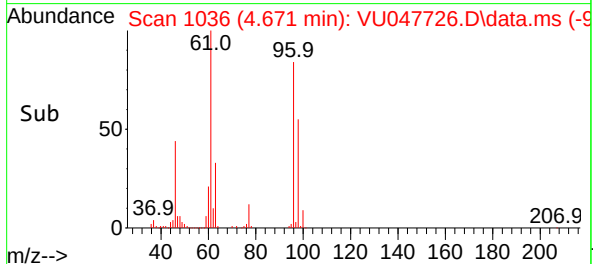
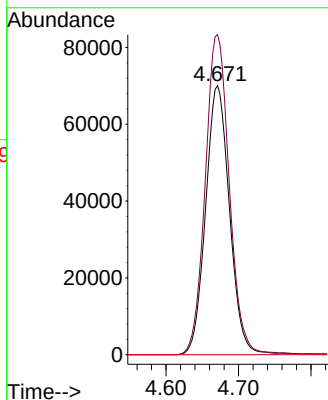
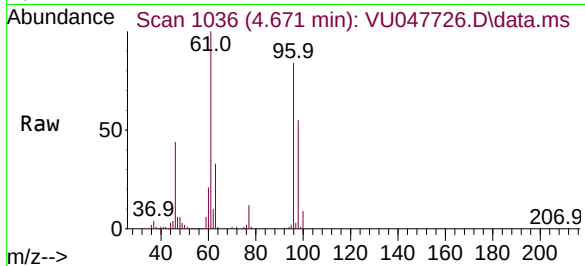


#20
 cis-1,2-Dichloroethene
 Concen: 61.801 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU047726.D
 Acq: 28 Mar 2022 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5DL

Tgt Ion: 96 Resp: 160258

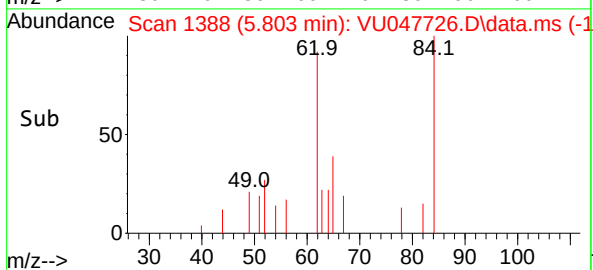
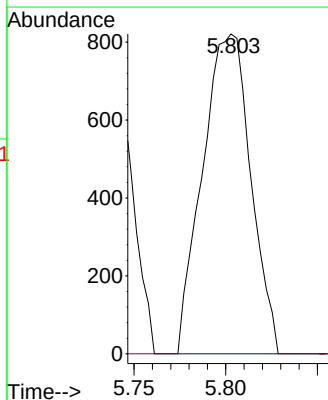
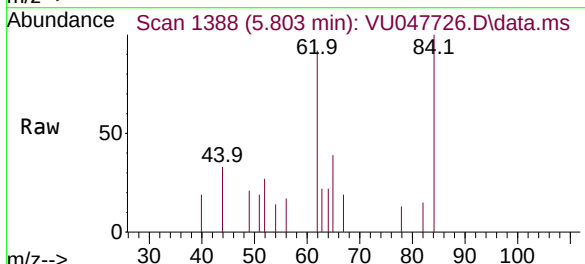
Ion	Ratio	Lower	Upper
96	100		
61	118.9	80.7	149.9
68	0.0	0.0	0.0

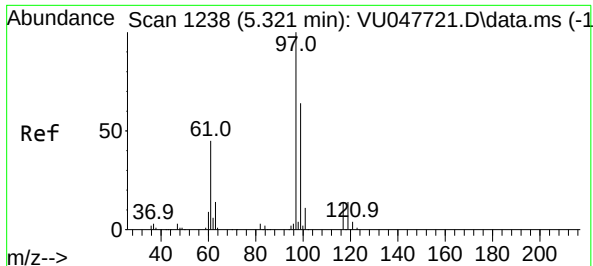


#27
 1,2-Dichloroethane
 Concen: 0.443 ug/L
 RT: 5.803 min Scan# 1388
 Delta R.T. 0.006 min
 Lab File: VU047726.D
 Acq: 28 Mar 2022 14:45

Tgt Ion: 62 Resp: 1504

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.0#





#30

1,1,1-Trichloroethane

Concen: 19.278 ug/L

RT: 5.321 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047726.D

Acq: 28 Mar 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

EW5X5DL

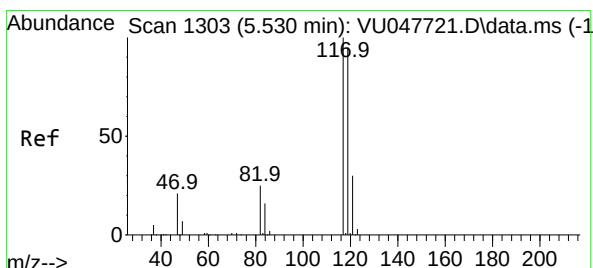
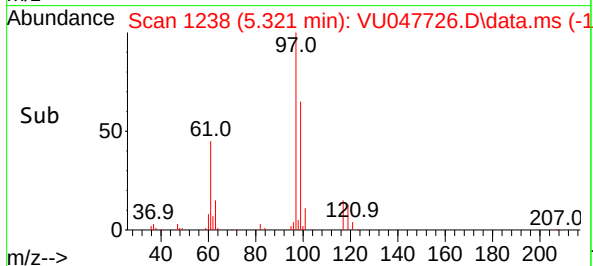
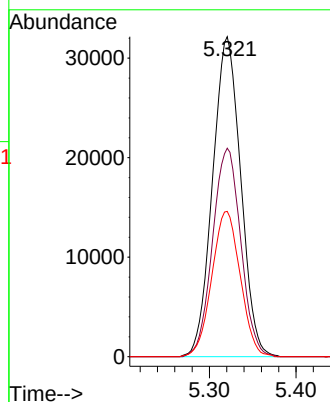
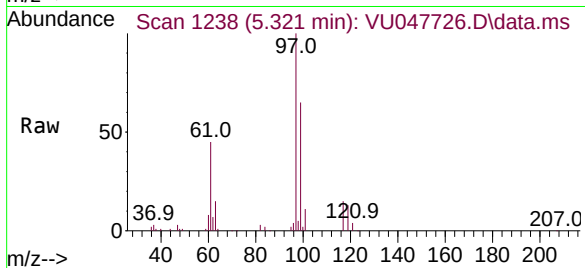
Tgt Ion: 97 Resp: 72583

Ion Ratio Lower Upper

97 100

99 65.3 51.6 77.4

61 45.9 34.2 51.4



#31

Carbon tetrachloride

Concen: 3.064 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047726.D

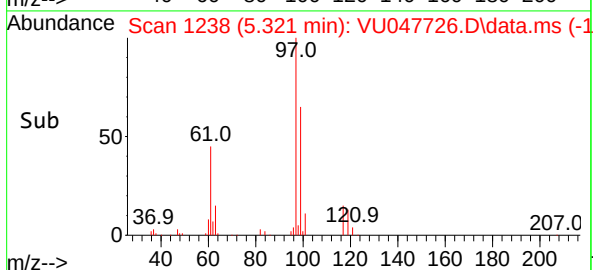
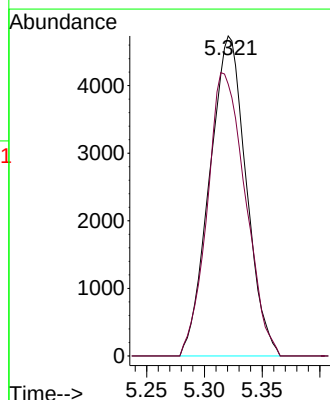
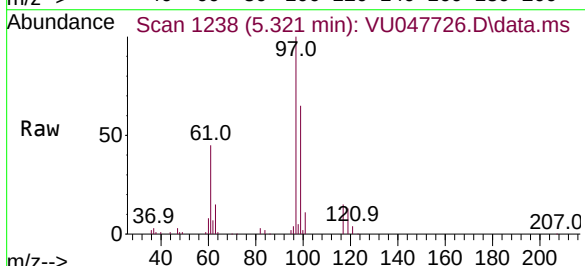
Acq: 28 Mar 2022 14:45

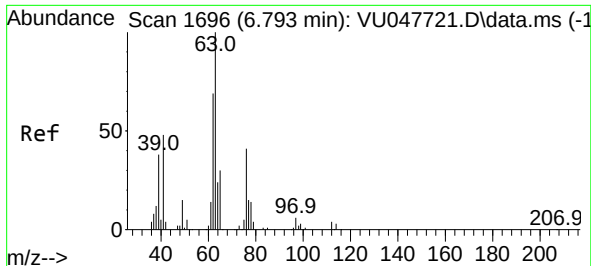
Tgt Ion:117 Resp: 10418

Ion Ratio Lower Upper

117 100

119 92.1 77.2 115.8





#37

1,2-Dichloropropane

Concen: 5.570 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047726.D

Acq: 28 Mar 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

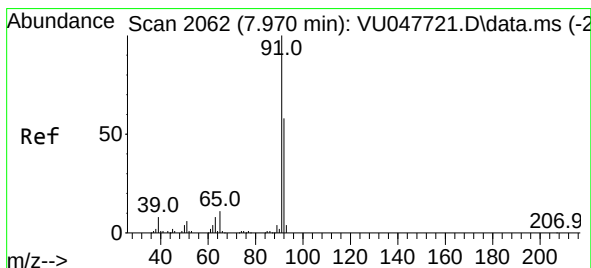
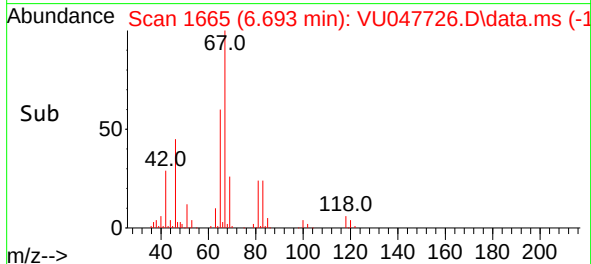
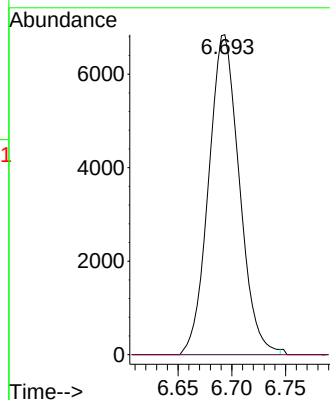
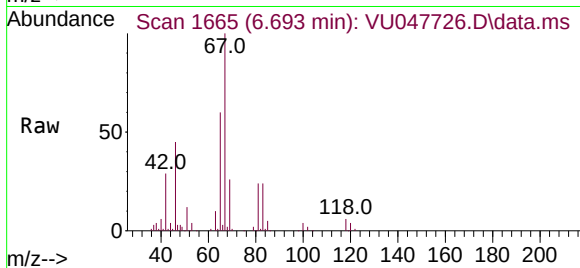
EW5X5DL

Tgt Ion: 63 Resp: 13609

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#42

Toluene

Concen: 2.140 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047726.D

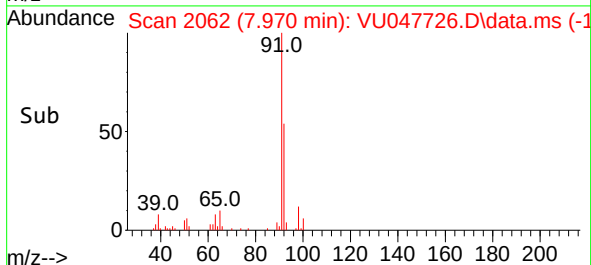
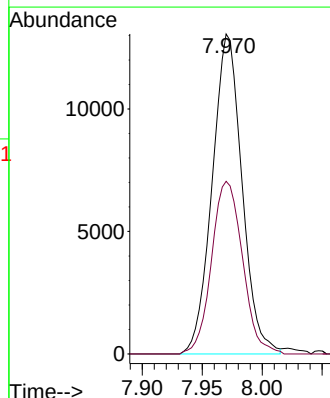
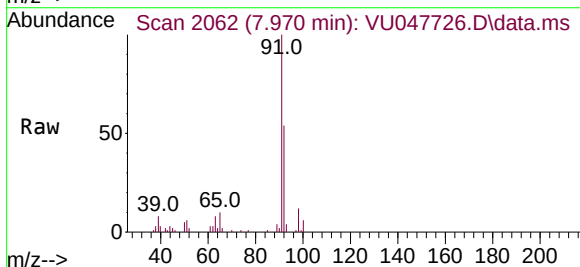
Acq: 28 Mar 2022 14:45

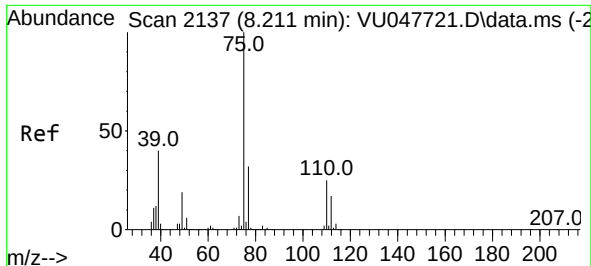
Tgt Ion: 91 Resp: 22565

Ion Ratio Lower Upper

91 100

92 54.0 40.4 75.0

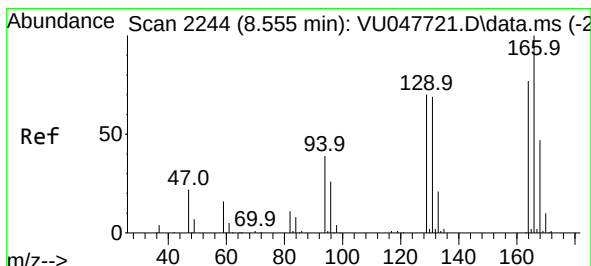
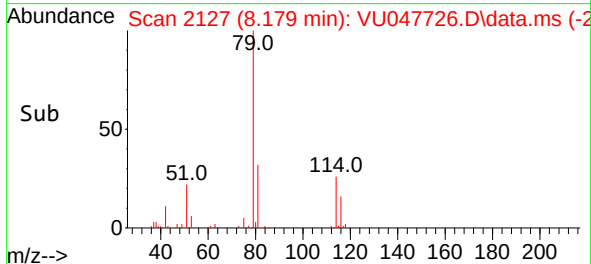
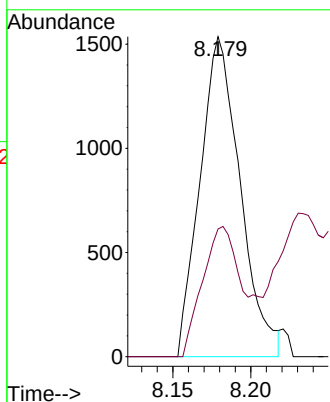
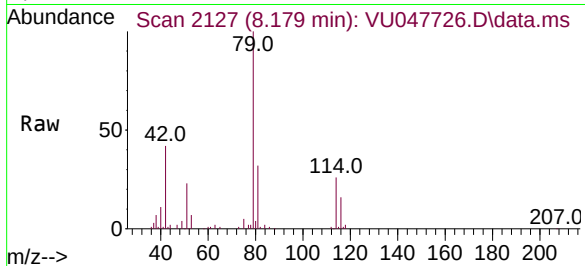




#44
trans-1,3-Dichloropropene
Concen: 0.725 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

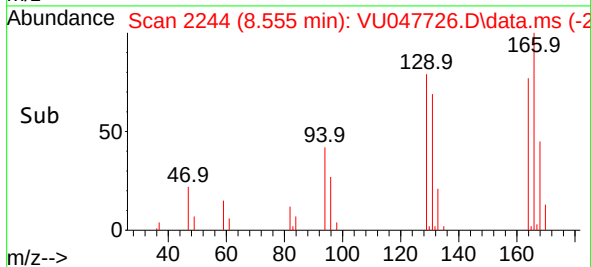
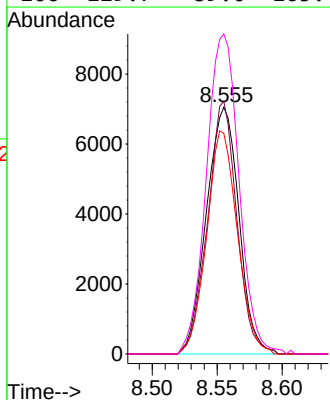
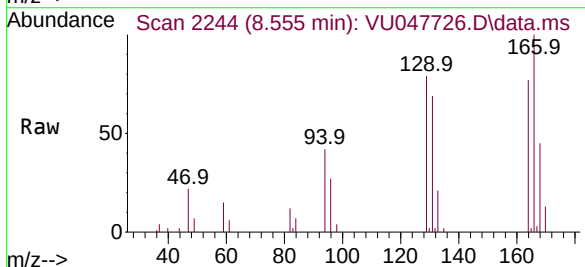
Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

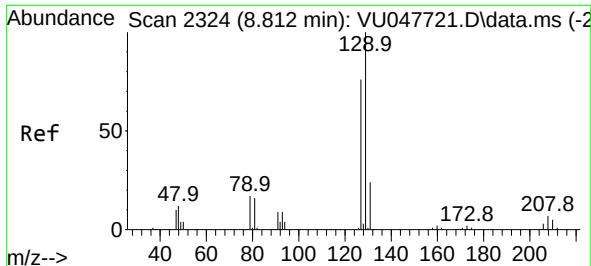
Tgt Ion: 75 Resp: 2744
Ion Ratio Lower Upper
75 100
77 39.9 22.0 40.8



#46
Tetrachloroethene
Concen: 5.420 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion: 164 Resp: 12272
Ion Ratio Lower Upper
164 100
129 102.5 62.4 116.0
131 89.4 60.7 112.7
166 129.7 89.0 165.4





#49

Dibromochloromethane

Concen: 3.772 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047726.D

Acq: 28 Mar 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

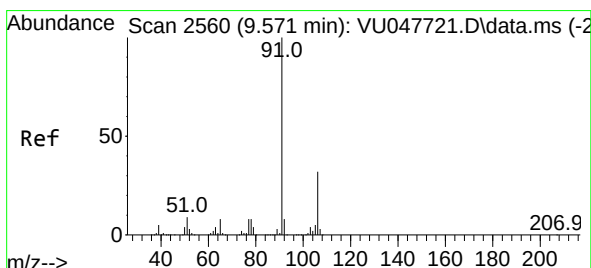
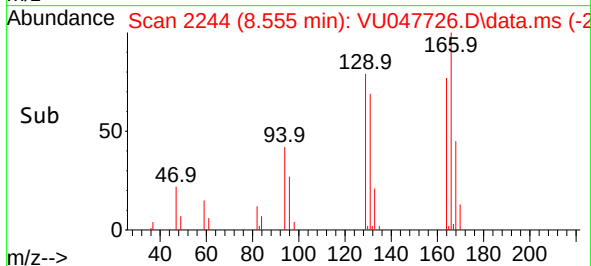
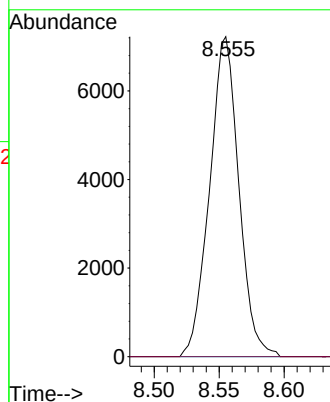
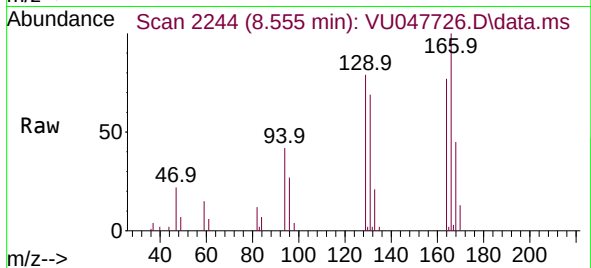
EW5X5DL

Tgt Ion:129 Resp: 11320

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#52

Ethylbenzene

Concen: 2.539 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU047726.D

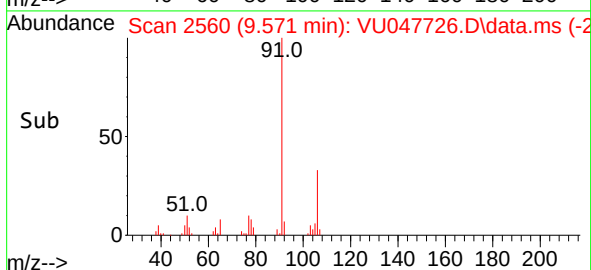
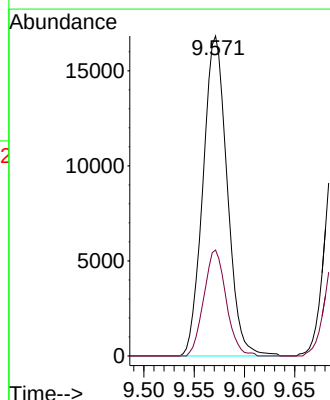
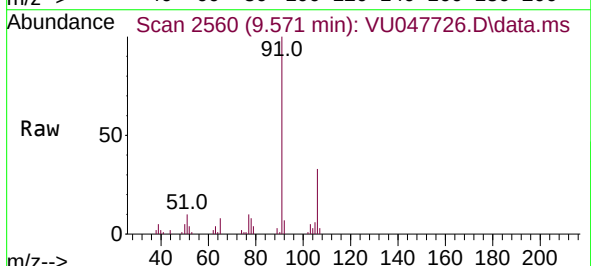
Acq: 28 Mar 2022 14:45

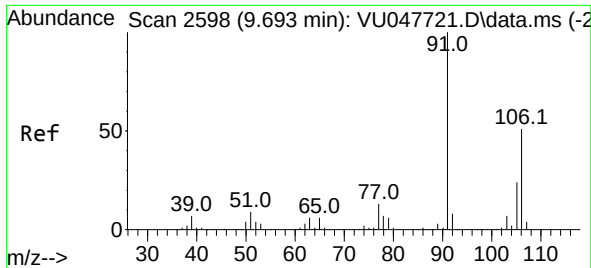
Tgt Ion: 91 Resp: 28157

Ion Ratio Lower Upper

91 100

106 33.1 22.4 41.6

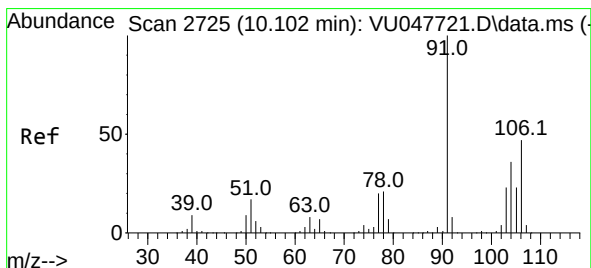
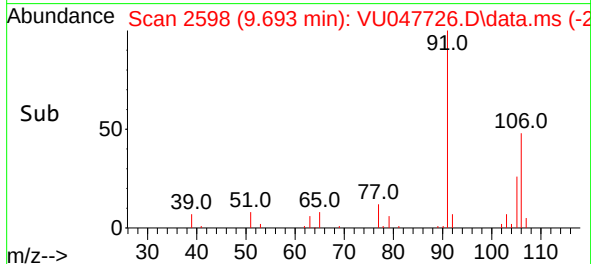
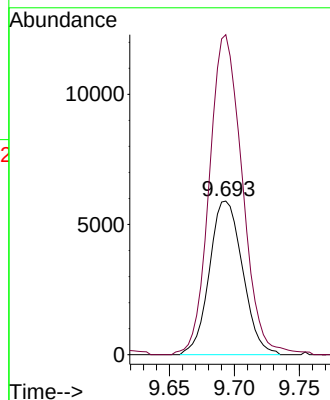
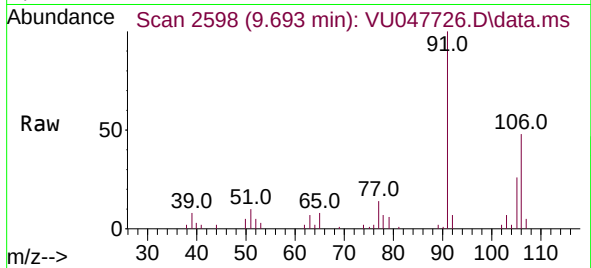




#53
m,p-Xylene
Concen: 2.410 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

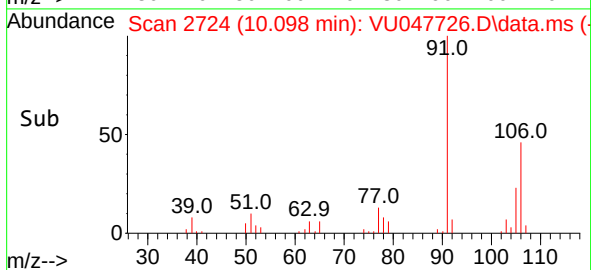
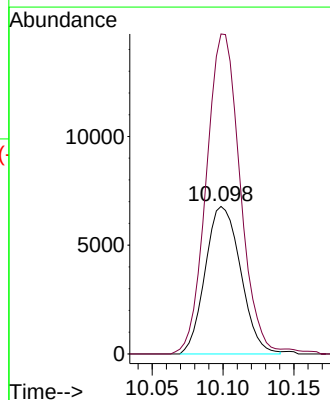
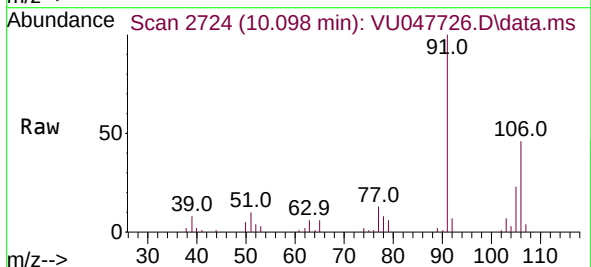
Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

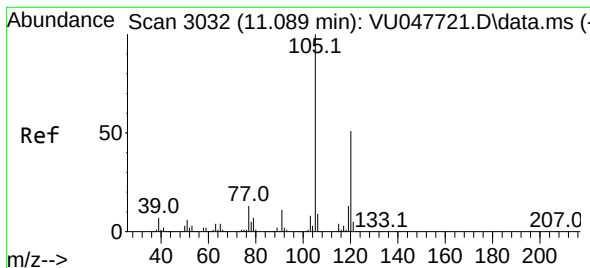
Tgt Ion:106 Resp: 10486
Ion Ratio Lower Upper
106 100
91 208.2 137.7 255.7



#54
o-Xylene
Concen: 2.760 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion:106 Resp: 11784
Ion Ratio Lower Upper
106 100
91 216.8 146.7 272.5





#62

1,3,5-Trimethylbenzene

Concen: 10.833 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047726.D

Acq: 28 Mar 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

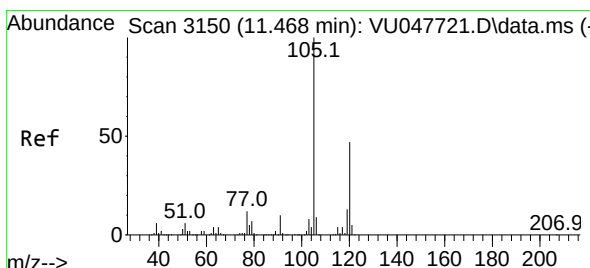
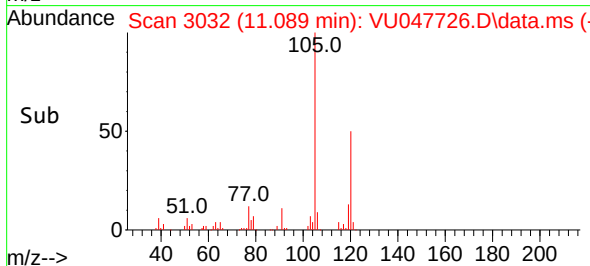
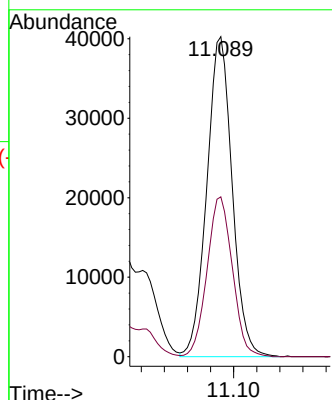
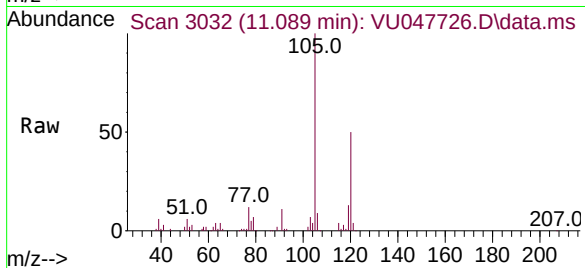
EW5X5DL

Tgt Ion:105 Resp: 61457

Ion Ratio Lower Upper

105 100

120 49.8 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 33.487 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047726.D

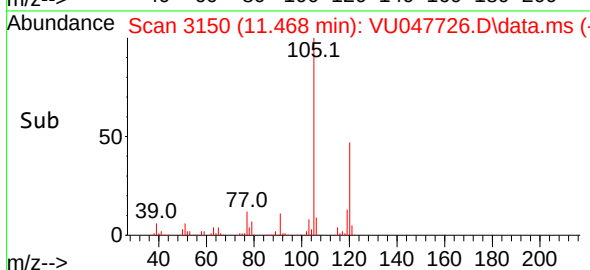
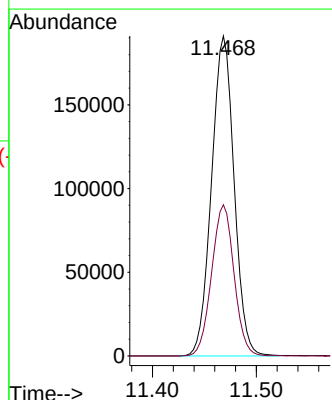
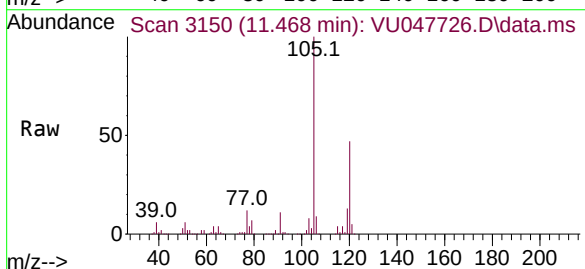
Acq: 28 Mar 2022 14:45

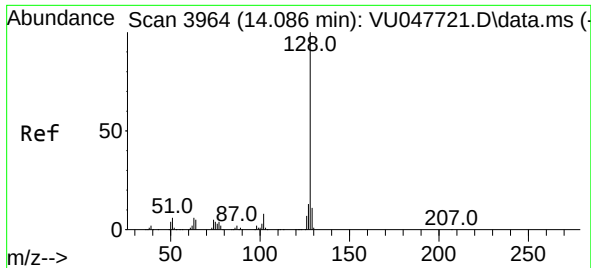
Tgt Ion:105 Resp: 288578

Ion Ratio Lower Upper

105 100

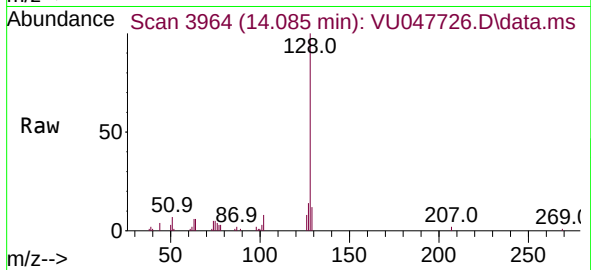
120 46.8 37.6 56.4





#71
Naphthalene
Concen: 1.795 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL



Tgt Ion:	128	Resp:	22127
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.8	8.8	13.2

