

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
 Data File : VU047437.D
 Acq On : 10 Mar 2022 05:42
 Operator : SY/MD
 Sample : N1857-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETNH6

Quant Time: Mar 10 06:34:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 10 03:57:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	158007	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	149587	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	81292	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	44529	5.196	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.000%
7) Chloroethane-d5	1.919	69	31033	4.933	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.575	65	17665	4.667	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.645	46	67878	44.489	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.980%
24) Chloroform-d	5.067	84	65140	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.703	65	33457	4.839	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.732	84	138274	4.914	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.693	67	40472	4.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.899	98	133461	4.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	8.182	79	15065	4.263	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.639	63	73196	47.015	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.040%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34268	4.724	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	52205	5.065	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	485656	41.794	ug/L	98
8) Chloroethane	1.954	64	1010	0.143	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	443	0.047	ug/L #	17
12) 1,1-Dichloroethene	2.588	96	3972	0.428	ug/L #	1
18) trans-1,2-Dichloroethene	3.359	96	53967	5.434	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	2202360	200.113	ug/L	97
33) Benzene	5.777	78	12217	0.302	ug/L	100
34) Trichloroethene	6.546	95	52688	4.879	ug/L	98
37) 1,2-Dichloropropane	6.693	63	4477	0.445	ug/L #	88
42) Toluene	7.970	91	9063	0.207	ug/L	98
47) Tetrachloroethene	8.555	164	10913	1.191	ug/L	97
49) Dibromochloromethane	8.555	129	9634	0.962	ug/L #	12
61) 1,2,3-Trichloropropane	11.745	75	2317	0.308	ug/L #	47
64) 1,3-Dichlorobenzene	11.745	146	8404	0.349	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	6184	0.253	ug/L	97
69) 1,3,5-Trichlorobenzene	13.841	180	13586	0.687	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	13586	0.771	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 10 03:57:44 2022
Response via : Initial Calibration

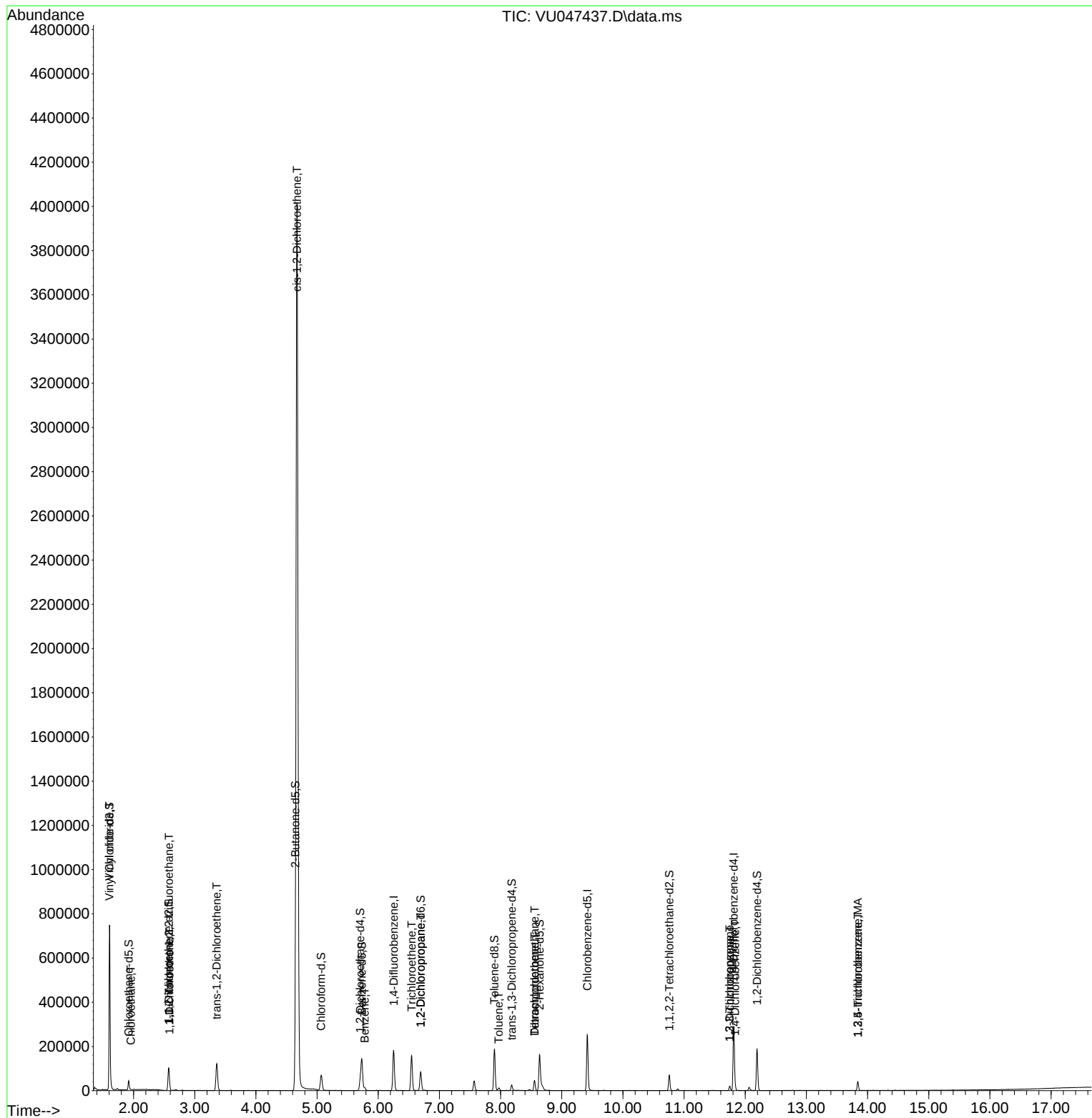
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

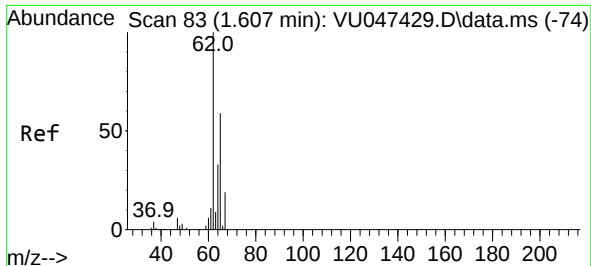
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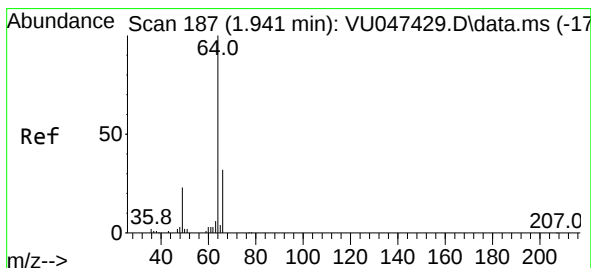
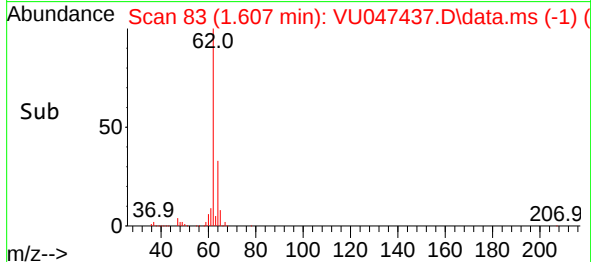
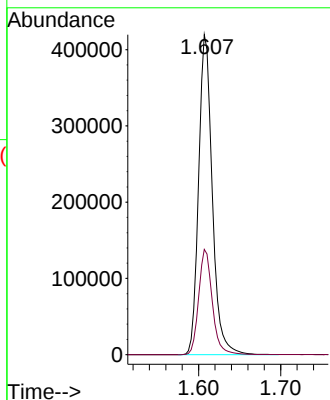
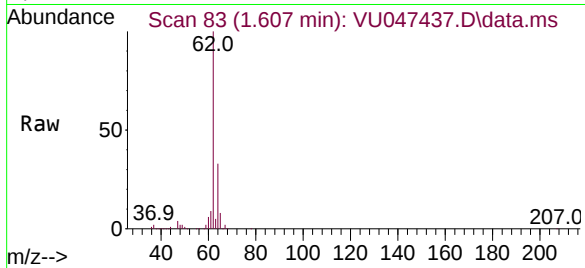




#5
 Vinyl chloride
 Concen: 41.794 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU047437.D
 Acq: 10 Mar 2022 05:42

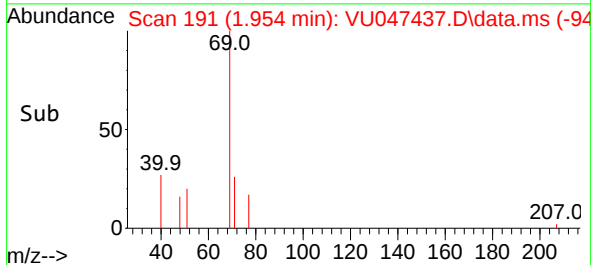
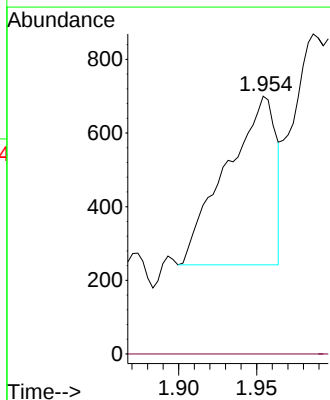
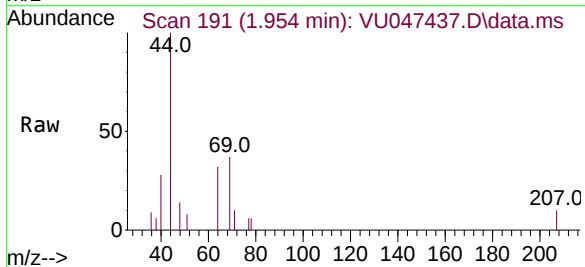
Instrument :
 MSVOA_U
 ClientSampleId :
 ETNH6

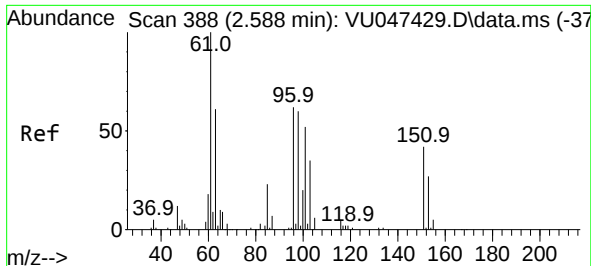
Tgt Ion: 62 Resp: 485656
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.7 43.9



#8
 Chloroethane
 Concen: 0.143 ug/L
 RT: 1.954 min Scan# 191
 Delta R.T. 0.013 min
 Lab File: VU047437.D
 Acq: 10 Mar 2022 05:42

Tgt Ion: 64 Resp: 1010
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.9 42.5#

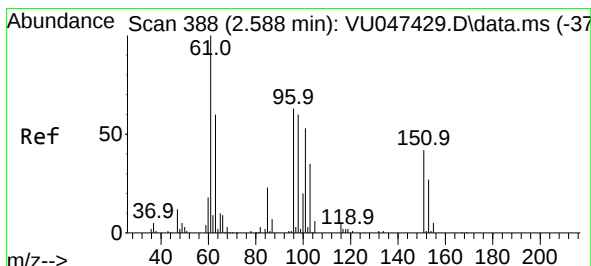
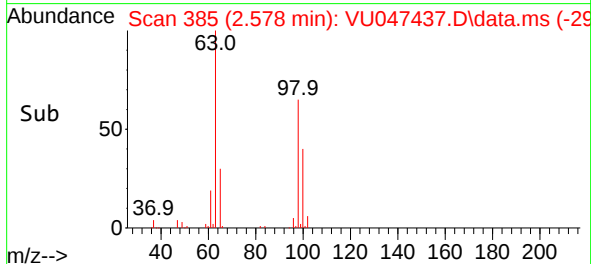
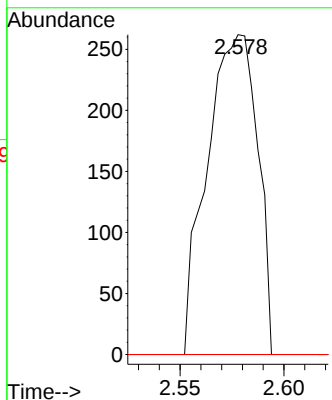
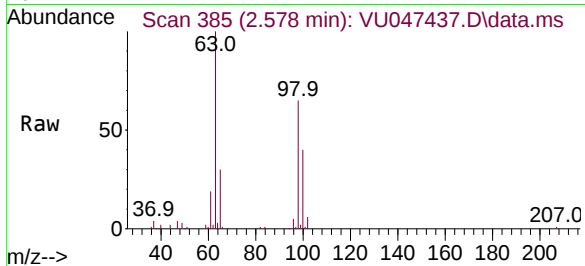




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.047 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU047437.D
 Acq: 10 Mar 2022 05:42

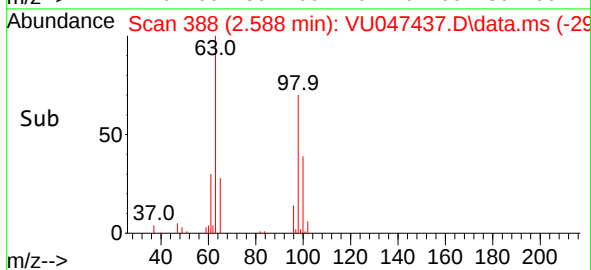
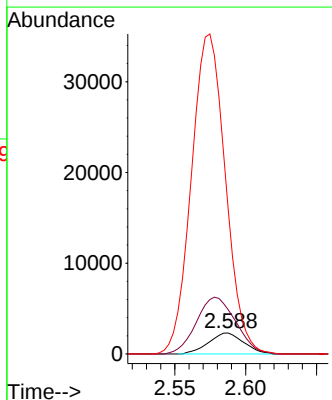
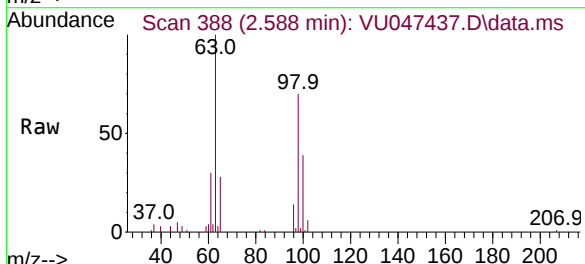
Instrument :
 MSVOA_U
 ClientSampleId :
 ETNH6

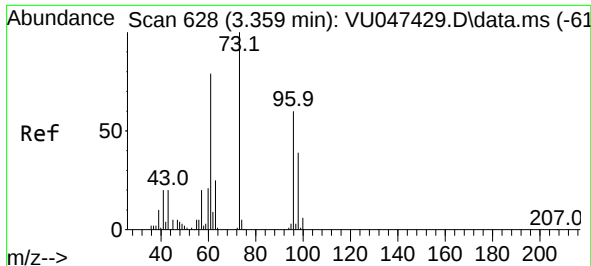
Tgt Ion:101 Resp: 443
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 64.8 97.2#



#12
 1,1-Dichloroethene
 Concen: 0.428 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU047437.D
 Acq: 10 Mar 2022 05:42

Tgt Ion: 96 Resp: 3972
 Ion Ratio Lower Upper
 96 100
 61 211.3 108.8 202.0#
 63 693.4 64.0 119.0#

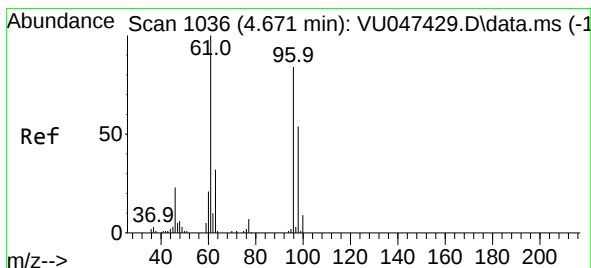
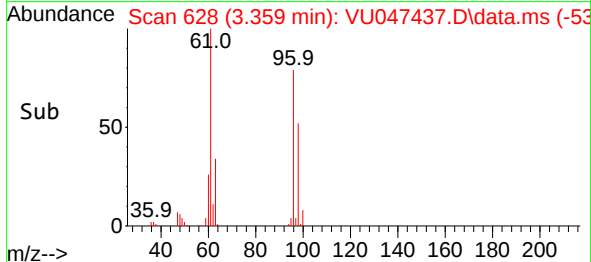
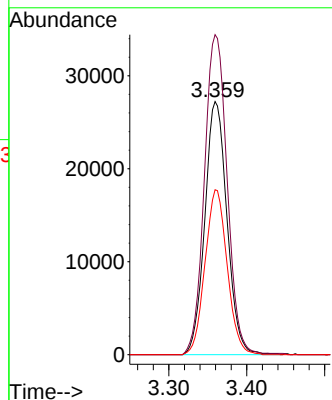
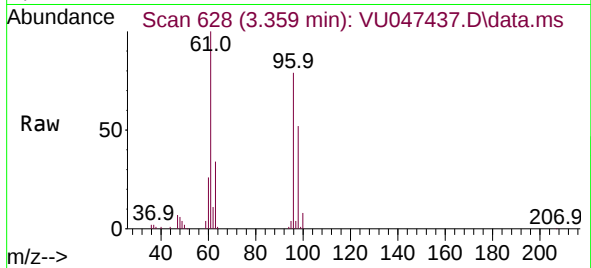




#18
trans-1,2-Dichloroethene
Concen: 5.434 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

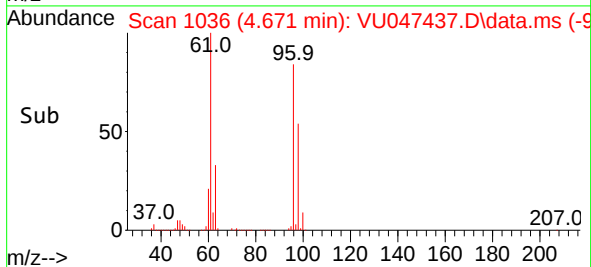
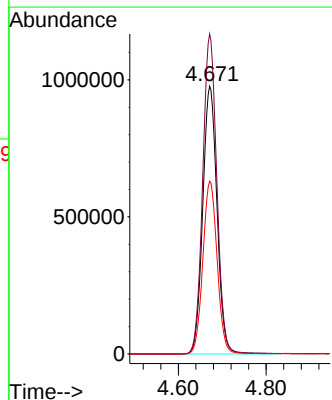
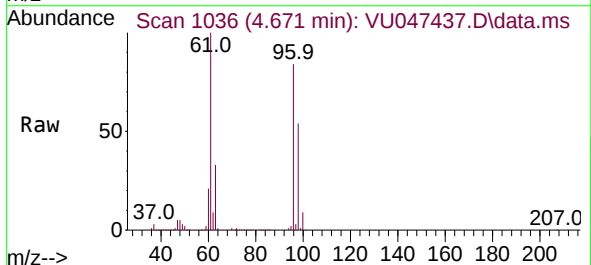
Instrument :
MSVOA_U
ClientSampleId :
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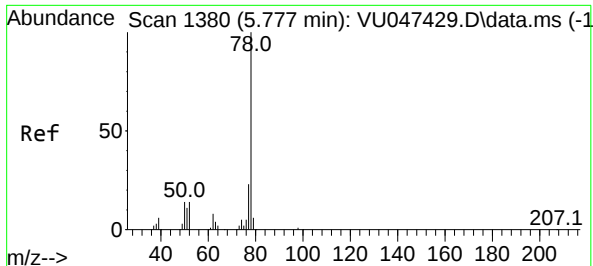
Tgt Ion: 96 Resp: 53967
Ion Ratio Lower Upper
96 100
61 126.4 90.4 167.8
98 65.2 45.0 83.6



#22
cis-1,2-Dichloroethene
Concen: 200.113 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

Tgt Ion: 96 Resp: 2202360
Ion Ratio Lower Upper
96 100
61 119.5 80.8 150.0
98 64.5 44.7 83.1

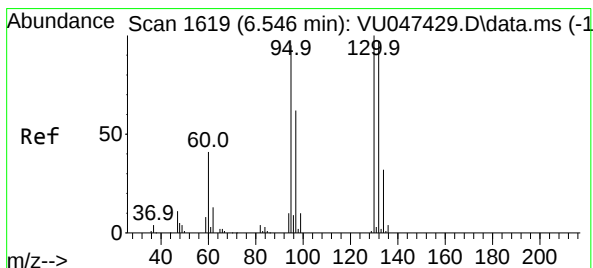
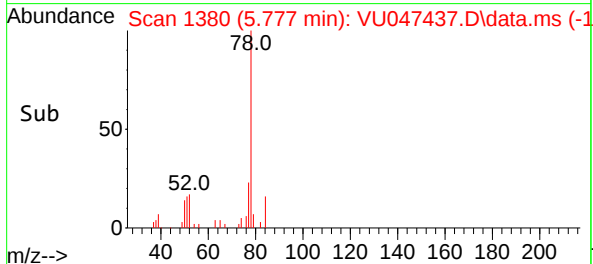
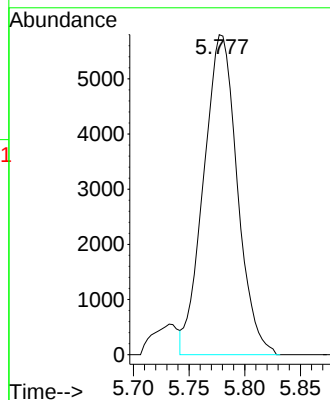
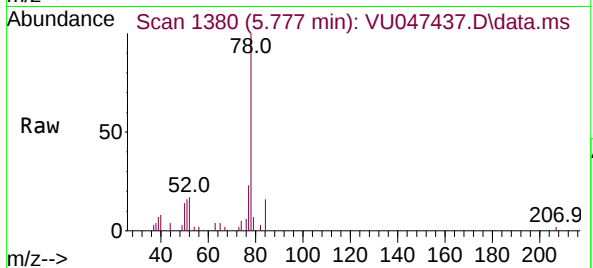




#33
Benzene
Concen: 0.302 ug/L
RT: 5.777 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

Instrument :
MSVOA_U
ClientSampleId :
ETNH6

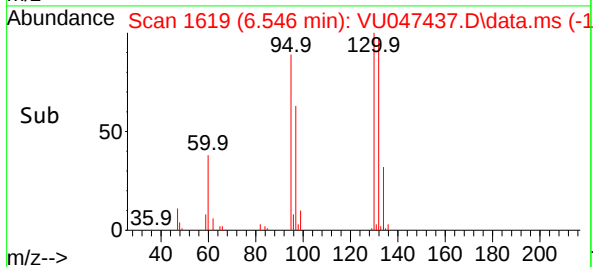
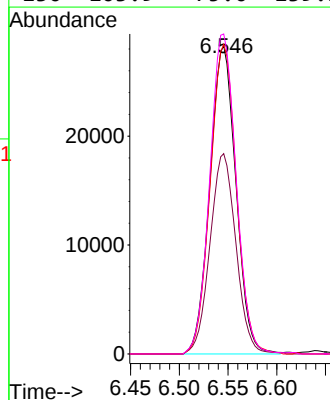
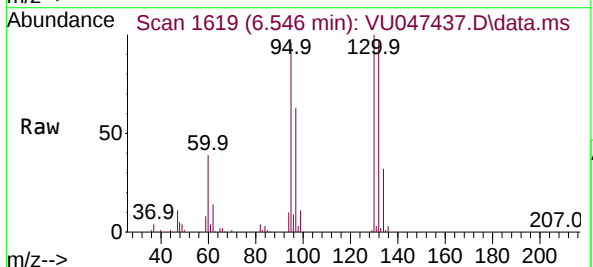
Tgt Ion: 78 Resp: 12217

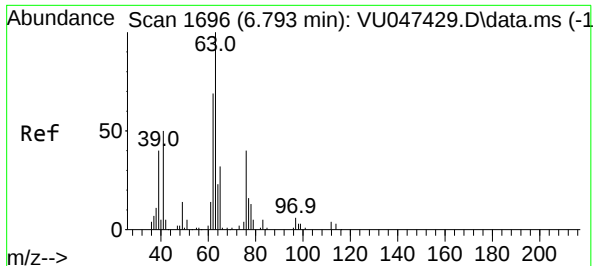


#34
Trichloroethene
Concen: 4.879 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

Tgt Ion: 95 Resp: 52688

Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.3	85.9
132	100.5	71.7	133.1
130	103.9	75.0	139.2





#37

1,2-Dichloropropane

Concen: 0.445 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047437.D

Acq: 10 Mar 2022 05:42

Instrument :

MSVOA_U

ClientSampleId :

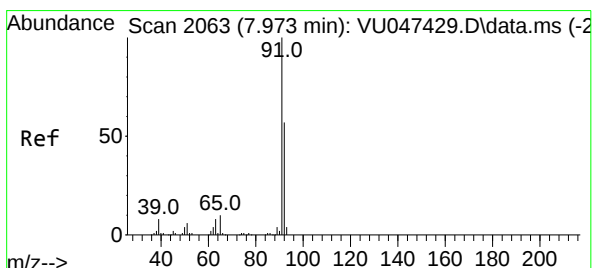
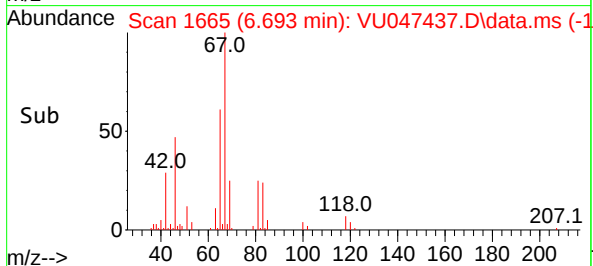
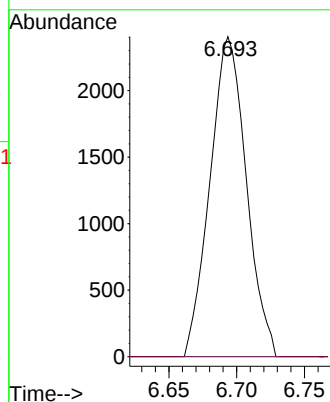
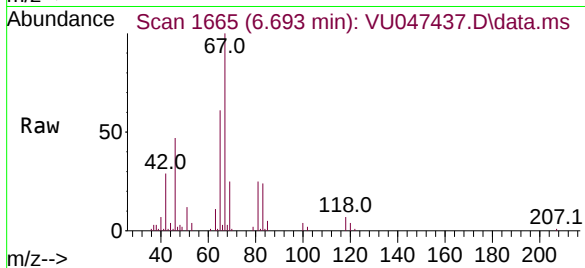
ETNH6

Tgt Ion: 63 Resp: 4477

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 0.207 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU047437.D

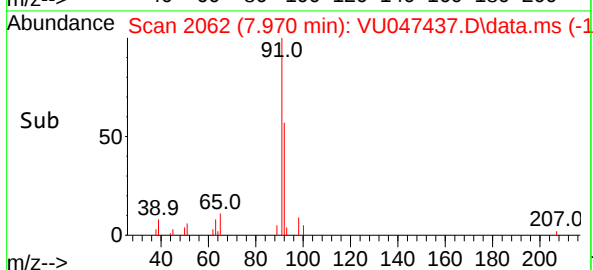
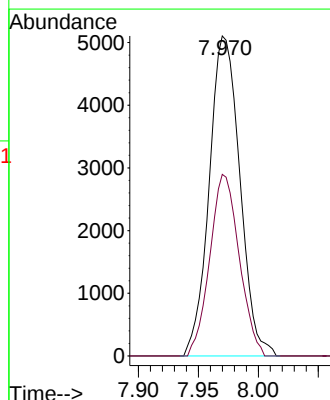
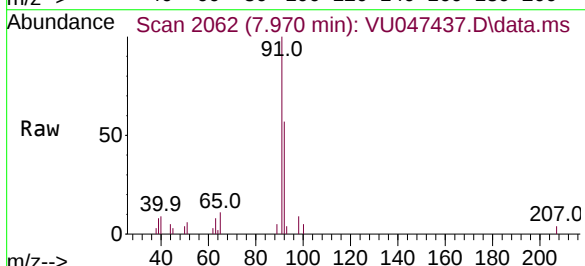
Acq: 10 Mar 2022 05:42

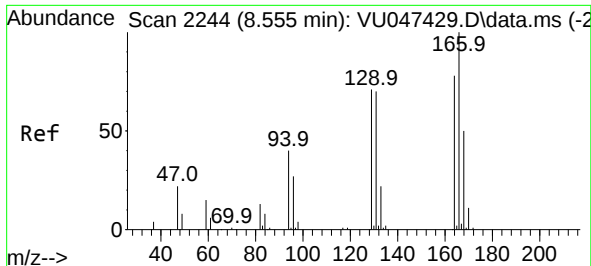
Tgt Ion: 91 Resp: 9063

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8





#47

Tetrachloroethene

Concen: 1.191 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047437.D

Acq: 10 Mar 2022 05:42

Instrument :

MSVOA_U

ClientSampleId :

ETNH6

Tgt Ion:164 Resp: 10913

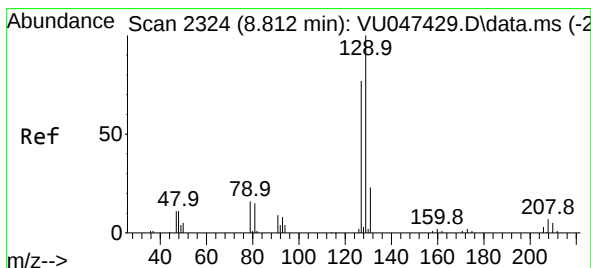
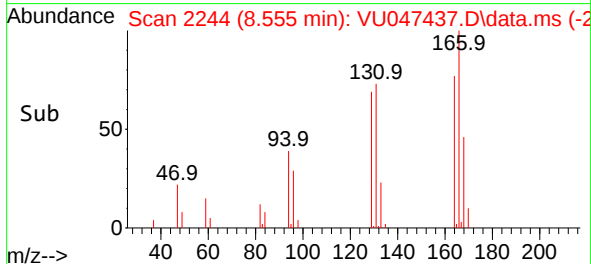
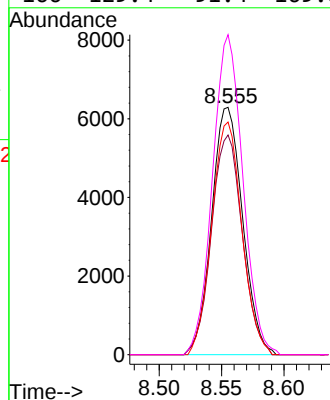
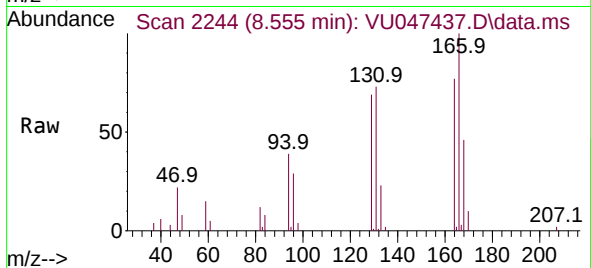
Ion Ratio Lower Upper

164 100

129 88.8 64.9 120.5

131 94.1 63.6 118.2

166 129.4 91.4 169.8



#49

Dibromochloromethane

Concen: 0.962 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU047437.D

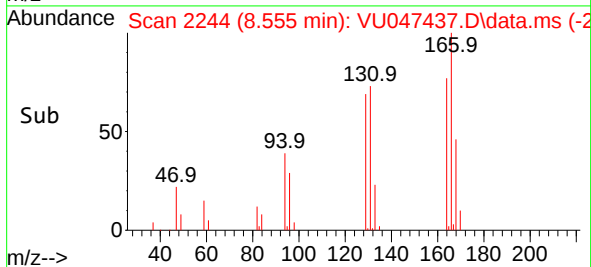
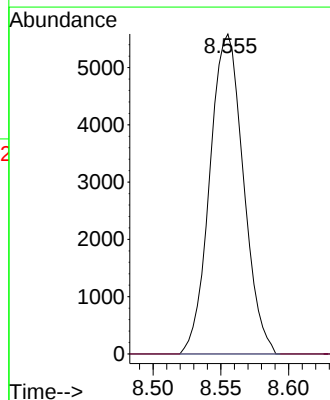
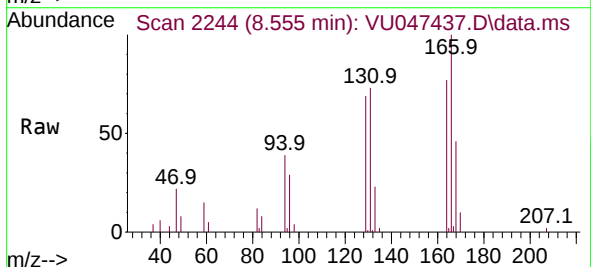
Acq: 10 Mar 2022 05:42

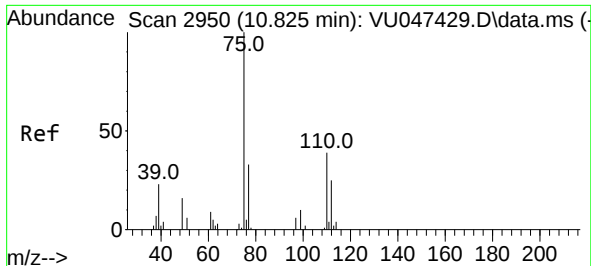
Tgt Ion:129 Resp: 9634

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#

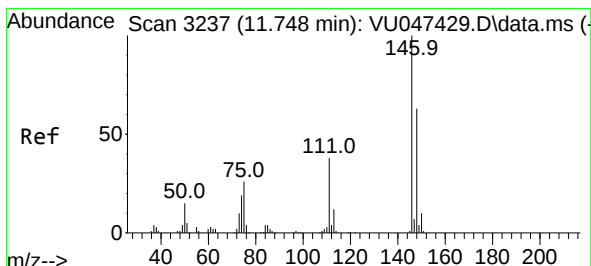
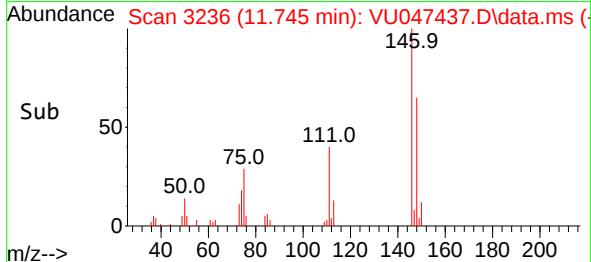
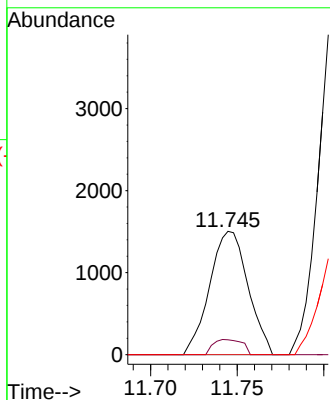
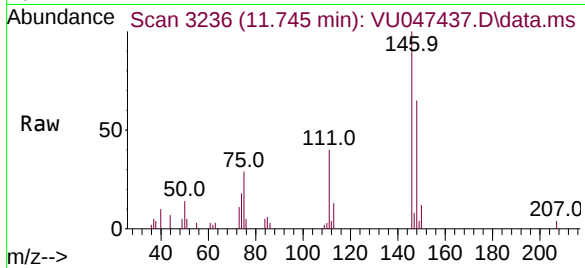




#61
1,2,3-Trichloropropane
Concen: 0.308 ug/L
RT: 11.745 min Scan# 313
Delta R.T. 0.920 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

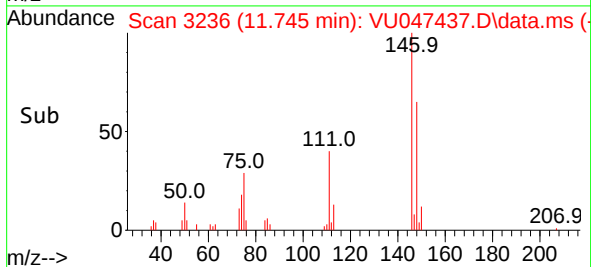
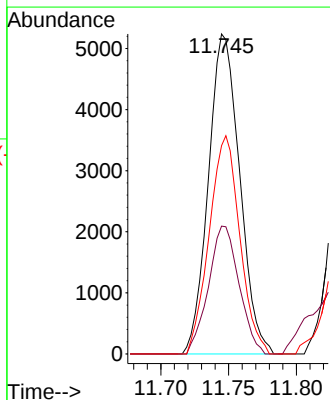
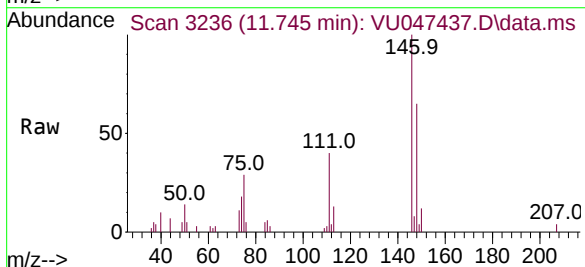
Instrument :
MSVOA_U
ClientSampleId :
ETNH6

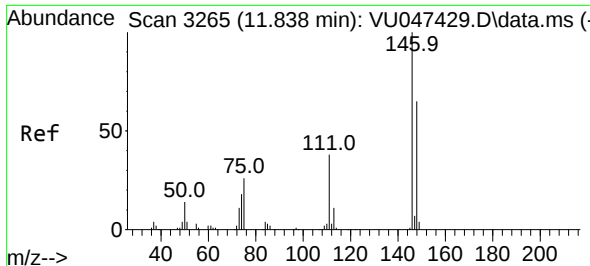
Tgt Ion: 75 Resp: 2317
Ion Ratio Lower Upper
75 100
110 9.3 31.0 46.4#
77 0.0 26.2 39.4#



#64
1,3-Dichlorobenzene
Concen: 0.349 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.003 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

Tgt Ion: 146 Resp: 8404
Ion Ratio Lower Upper
146 100
111 40.0 27.0 50.2
148 65.1 44.4 82.4

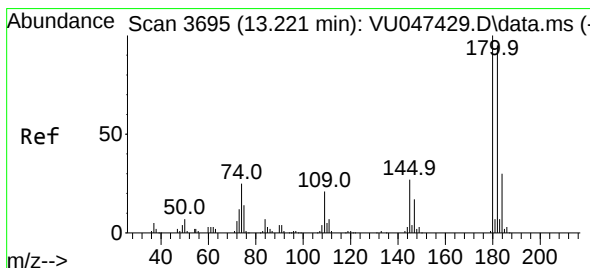
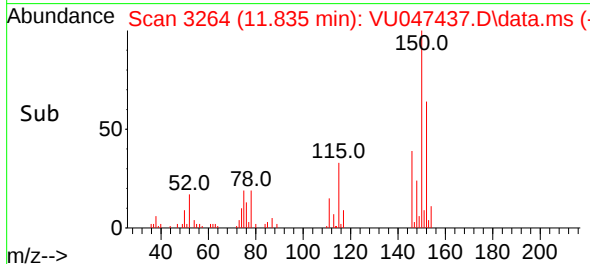
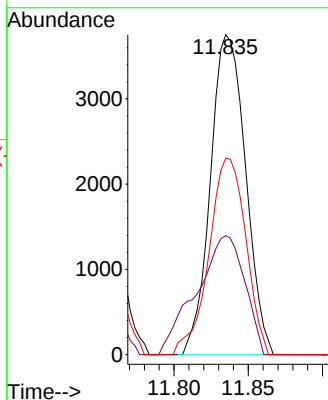
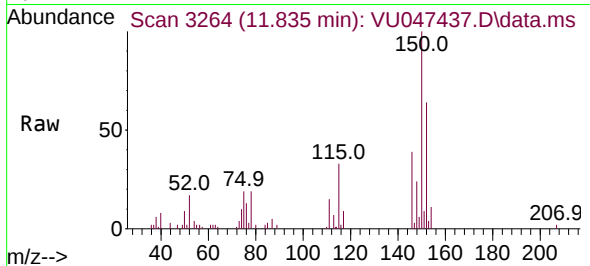




#65
1,4-Dichlorobenzene
Concen: 0.253 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

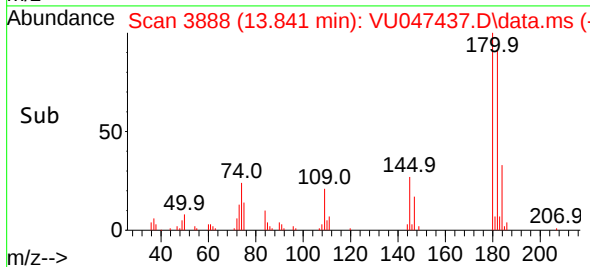
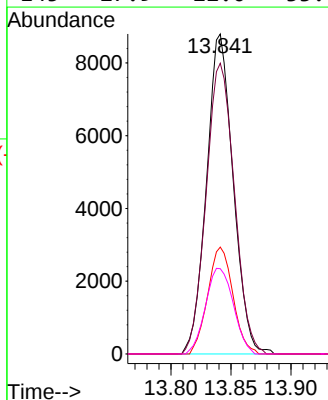
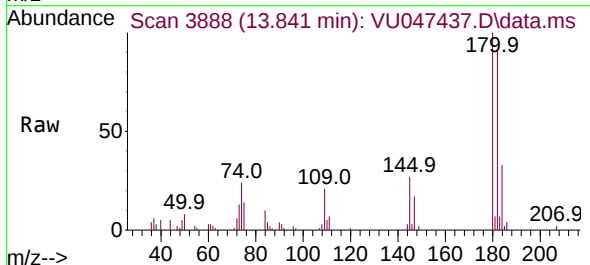
Instrument :
MSVOA_U
ClientSampleId :
ETNH6

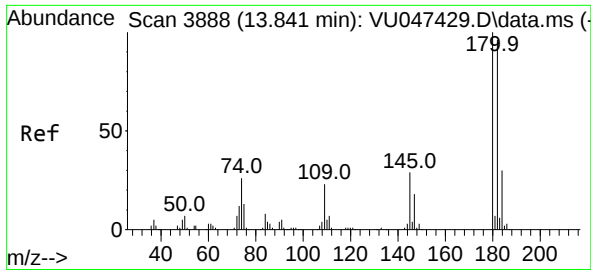
Tgt Ion:	146	Resp:	6184
Ion	Ratio	Lower	Upper
146	100		
111	37.2	26.1	48.5
148	61.4	45.6	84.6



#69
1,3,5-Trichlorobenzene
Concen: 0.687 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.621 min
Lab File: VU047437.D
Acq: 10 Mar 2022 05:42

Tgt Ion:	180	Resp:	13586
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.1	115.7
184	31.6	25.0	37.4
145	27.9	22.0	33.0





#70

1,2,4-trichlorobenzene

Concen: 0.771 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU047437.D

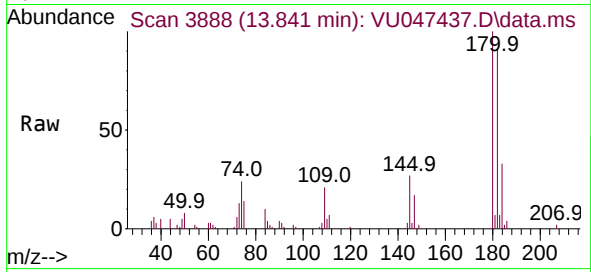
Acq: 10 Mar 2022 05:42

Instrument :

MSVOA_U

ClientSampleId :

ETNH6



Tgt Ion:180 Resp: 13586

Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 27.9 22.4 33.6

