

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
 Data File : VU048007.D
 Acq On : 13 Apr 2022 16:34
 Operator : SY/MD
 Sample : N2358-02
 Misc : 6.75g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETNS2

Quant Time: Apr 14 03:09:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 14 02:49:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	331201	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	351403	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	206507	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41036	17.086	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	34.180%#		
7) Chloroethane-d5	1.871	69	24284	12.823	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	25.640%#		
11) 1,1-Dichloroethene-d2	2.536	63	51961	11.825	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery =	23.640%#		
21) 2-Butanone-d5	4.633	46	236305	114.629	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.630%		
24) Chloroform-d	5.063	84	138574	31.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	63.060%#		
26) 1,2-Dichloroethane-d4	5.700	65	97913	36.328	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	72.660%		
32) Benzene-d6	5.723	84	222837	25.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	50.400%#		
36) 1,2-Dichloropropane-d6	6.690	67	93190	34.317	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	68.640%#		
41) Toluene-d8	7.899	98	168715	19.584	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	39.160%#		
43) trans-1,3-Dichloroprop...	8.185	79	41770	30.362	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.720%		
47) 2-Hexanone-d5	8.652	63	191847	120.683	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	120.680%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	253559	54.408	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.820%		
66) 1,2-Dichlorobenzene-d4	12.198	152	146553	39.890	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.780%#		
Target Compounds						Qvalue
15) Methyl Acetate	2.957	43	3367	1.101	ug/L #	61
27) 1,2-Dichloroethane	5.777	62	13536	3.851	ug/L #	85
29) Cyclohexane	5.359	56	15579	4.369	ug/L #	43
33) Benzene	5.768	78	907980	89.267	ug/L	100
35) Methylcyclohexane	6.751	83	4151	1.023	ug/L #	73
39) cis-1,3-Dichloropropene	7.568	75	2305	0.575	ug/L #	44
42) Toluene	7.970	91	114127	10.226	ug/L	100
45) 1,1,2-Trichloroethane	8.369	97	2364	0.862	ug/L #	1
51) Chlorobenzene	9.452	112	1022283	134.904	ug/L	98
52) Ethylbenzene	9.571	91	8352	0.712	ug/L	97
53) m,p-Xylene	9.693	106	4864	1.056	ug/L	84
54) o-Xylene	10.108	106	3589	0.794	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.787	83	83263	16.195	ug/L #	27
60) 1,2,3-Trichloropropane	10.787	75	13450	3.455	ug/L #	1
64) 1,3-Dichlorobenzene	11.748	146	6912	1.114	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	20939	3.259	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	58411	9.410	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.970	75	2452471	1966.669	ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Thu Apr 14 02:49:33 2022
Response via : Initial Calibration

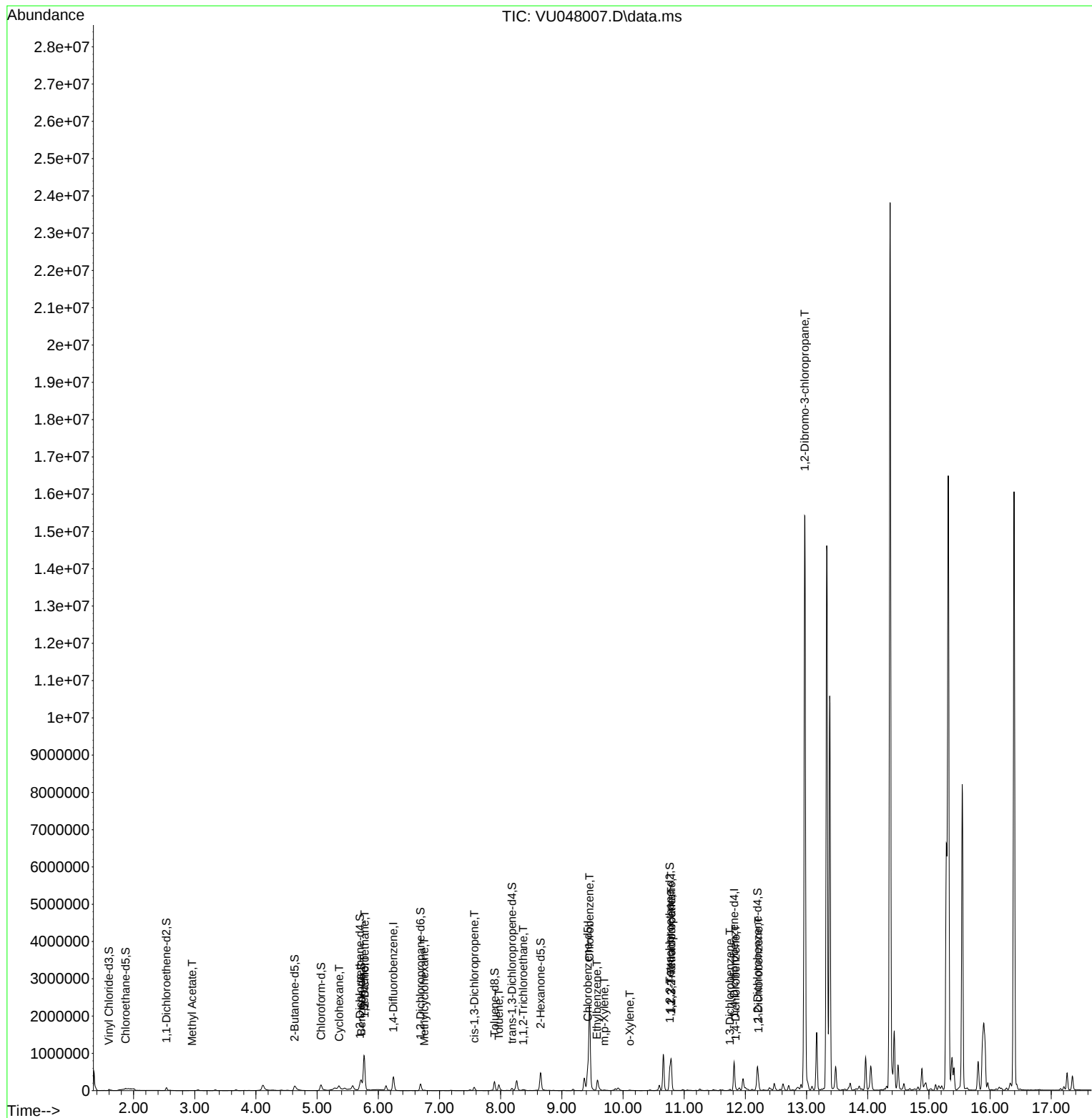
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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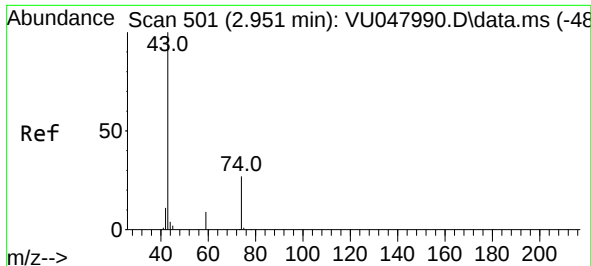
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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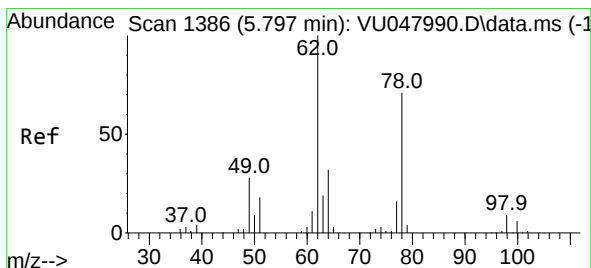
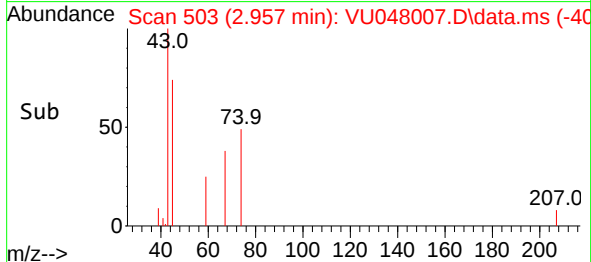
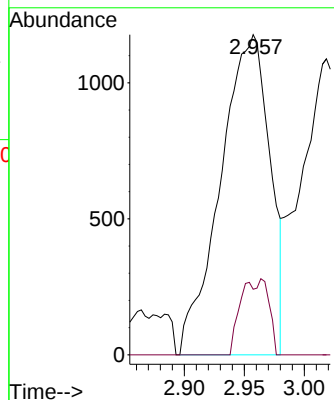
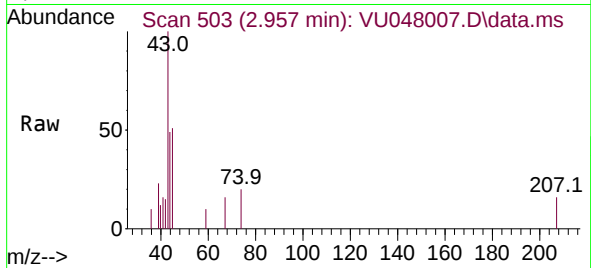




#15
Methyl Acetate
Concen: 1.101 ug/L
RT: 2.957 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

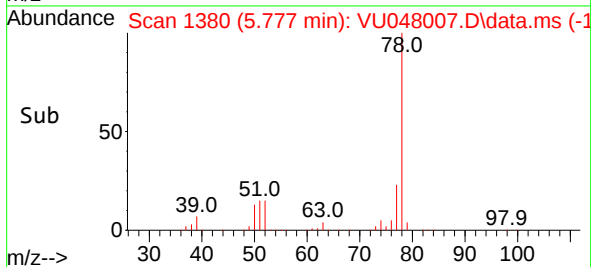
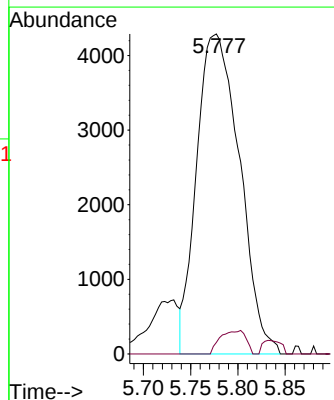
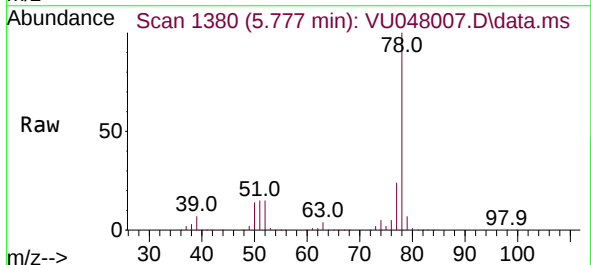
Instrument :
MSVOA_U
ClientSampleId :
ETNS2

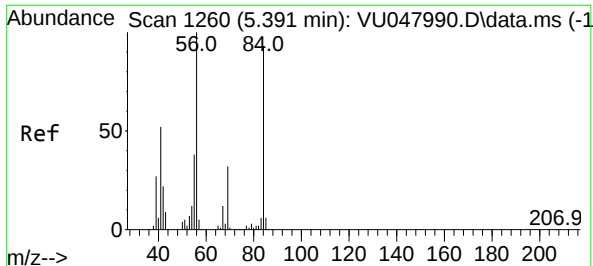
Tgt Ion: 43 Resp: 3367
Ion Ratio Lower Upper
43 100
74 7.1 22.2 33.2#



#27
1,2-Dichloroethane
Concen: 3.851 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.019 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

Tgt Ion: 62 Resp: 13536
Ion Ratio Lower Upper
62 100
98 3.6 7.4 11.0#





#29

Cyclohexane

Concen: 4.369 ug/L

RT: 5.359 min Scan# 11

Delta R.T. -0.032 min

Lab File: VU048007.D

Acq: 13 Apr 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

ETNS2

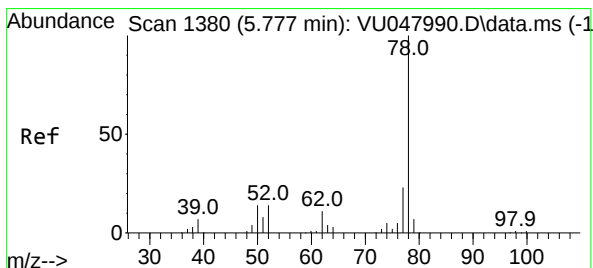
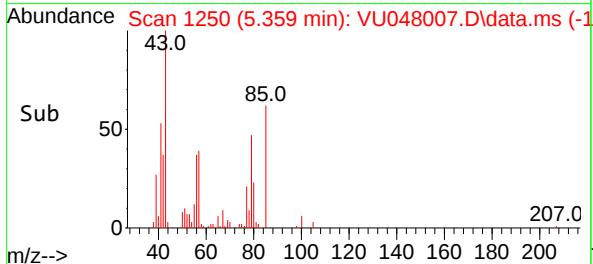
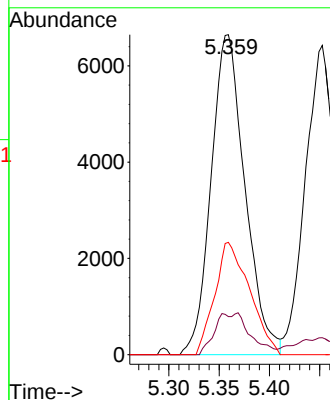
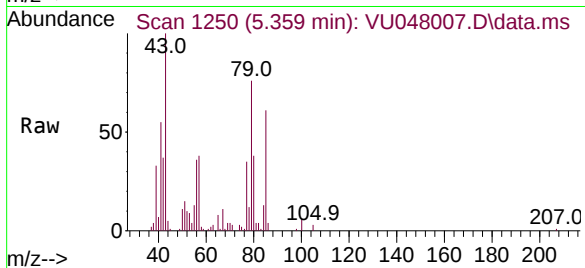
Tgt Ion: 56 Resp: 15579

Ion Ratio Lower Upper

56 100

69 6.8 25.4 38.2#

84 36.1 77.0 115.6#



#33

Benzene

Concen: 89.267 ug/L

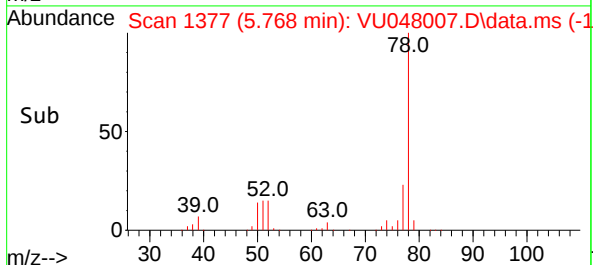
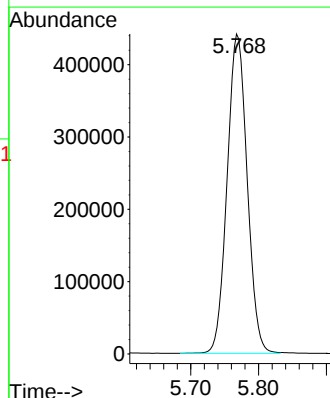
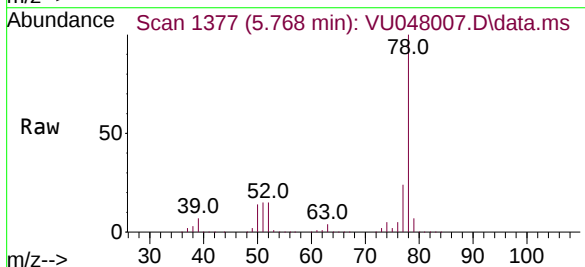
RT: 5.768 min Scan# 1377

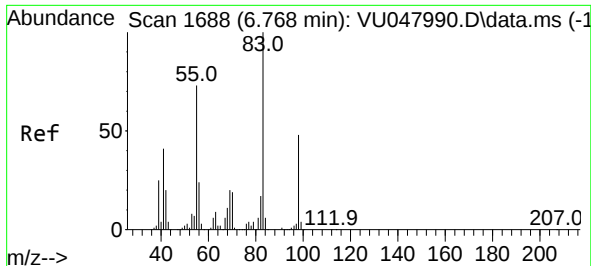
Delta R.T. -0.010 min

Lab File: VU048007.D

Acq: 13 Apr 2022 16:34

Tgt Ion: 78 Resp: 907980

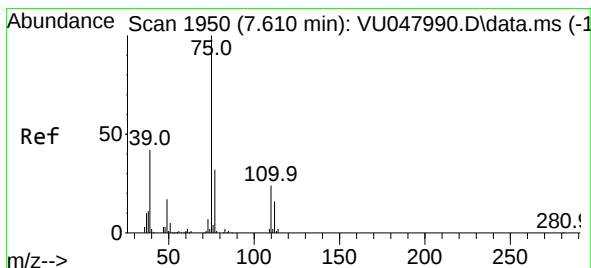
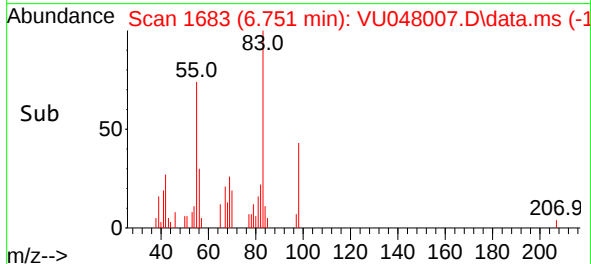
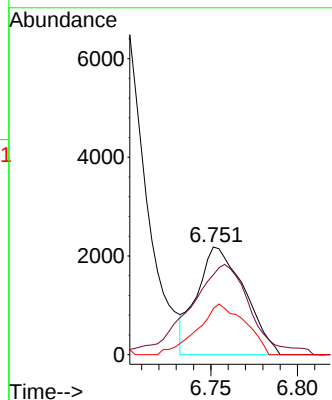
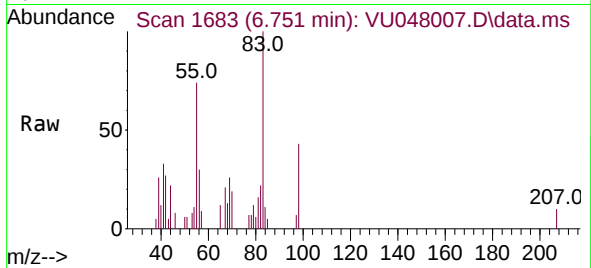




#35
Methylcyclohexane
Concen: 1.023 ug/L
RT: 6.751 min Scan# 1
Delta R.T. -0.016 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

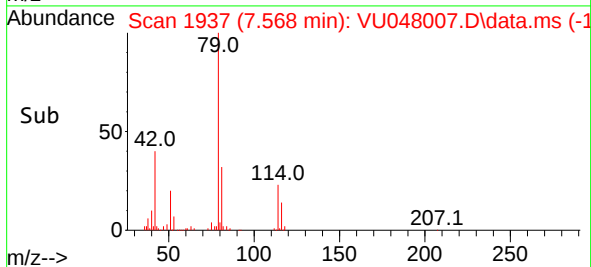
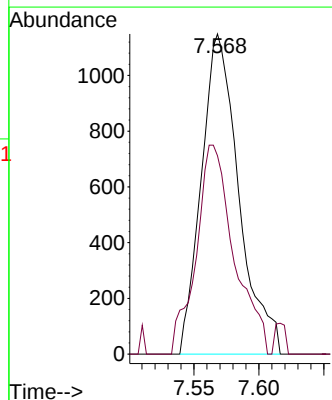
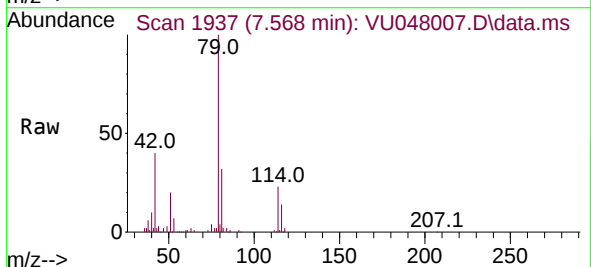
Instrument :
MSVOA_U
ClientSampleId :
ETNS2

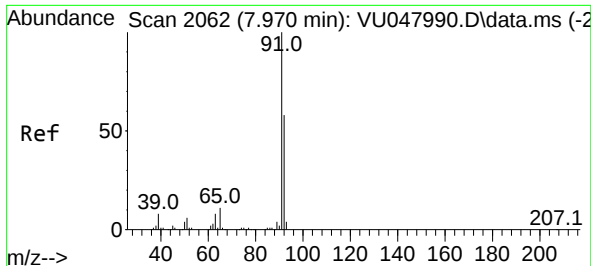
Tgt Ion: 83 Resp: 4151
Ion Ratio Lower Upper
83 100
55 107.8 56.8 85.2#
98 47.2 38.1 57.1



#39
cis-1,3-Dichloropropene
Concen: 0.575 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

Tgt Ion: 75 Resp: 2305
Ion Ratio Lower Upper
75 100
77 62.0 21.8 40.6#





#42

Toluene

Concen: 10.226 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048007.D

Acq: 13 Apr 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

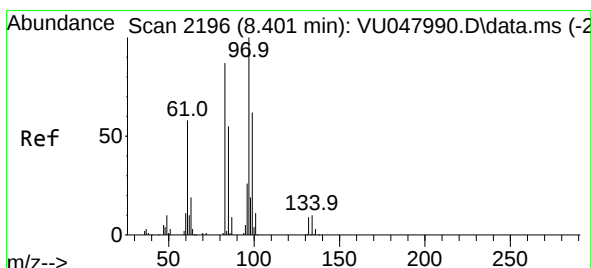
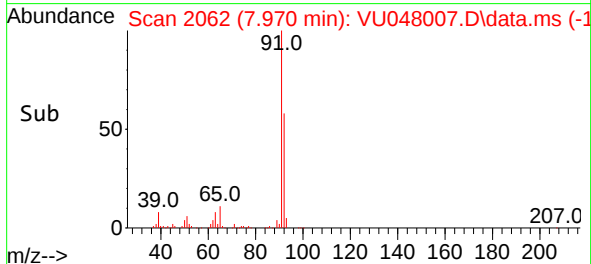
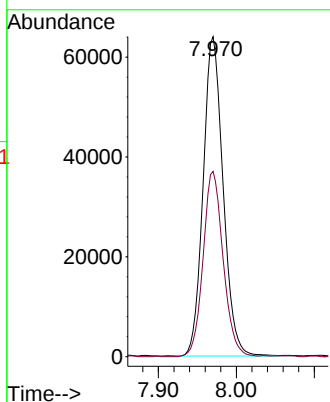
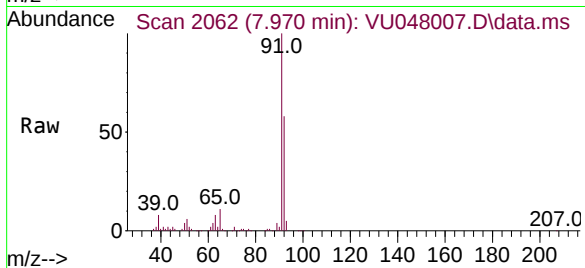
ETNS2

Tgt Ion: 91 Resp: 114127

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#45

1,1,2-Trichloroethane

Concen: 0.862 ug/L

RT: 8.369 min Scan# 2186

Delta R.T. -0.032 min

Lab File: VU048007.D

Acq: 13 Apr 2022 16:34

Tgt Ion: 97 Resp: 2364

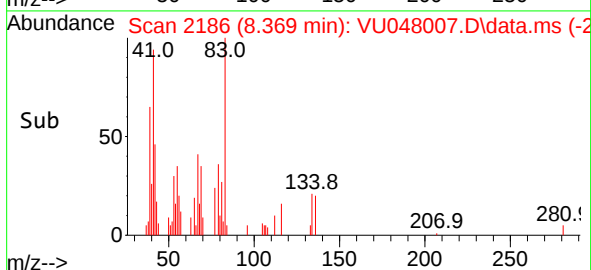
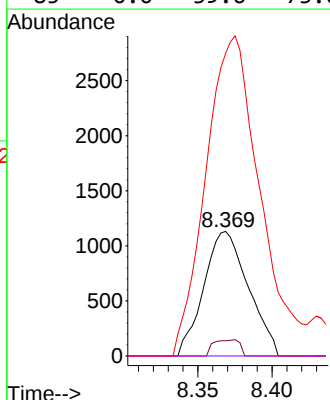
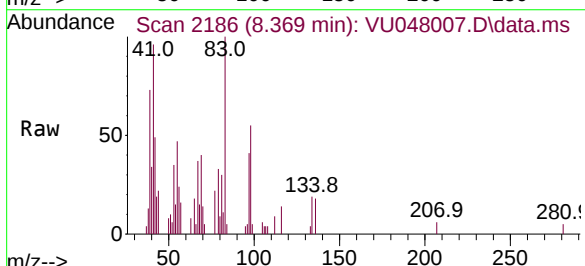
Ion Ratio Lower Upper

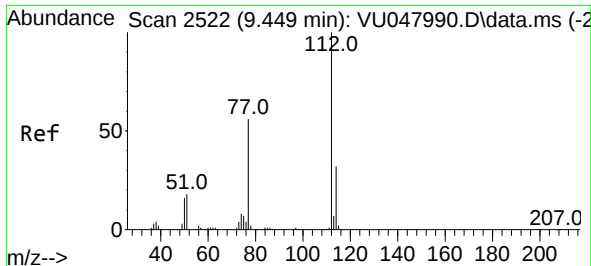
97 100

99 12.2 43.3 80.3#

83 243.3 61.0 113.4#

85 0.0 39.6 73.6#

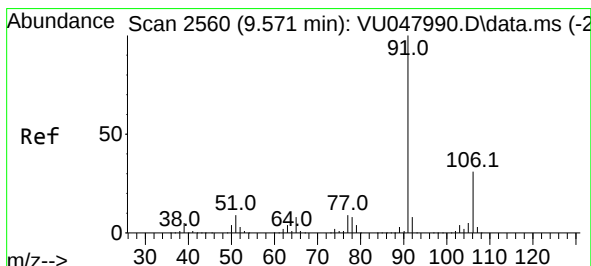
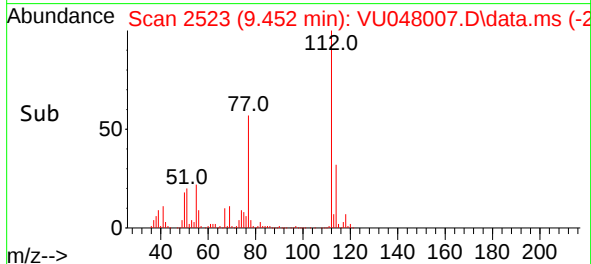
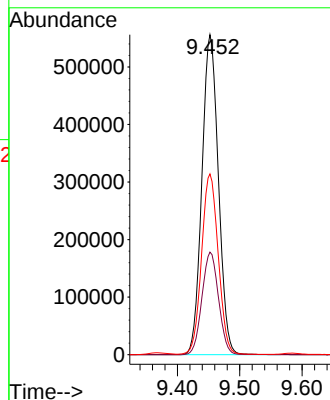
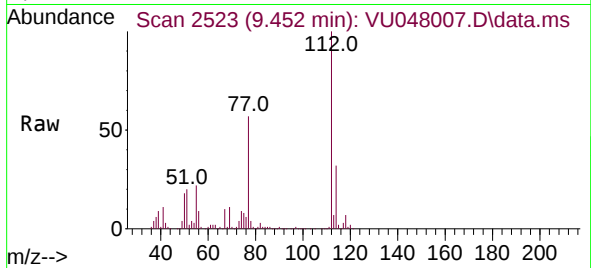




#51
Chlorobenzene
Concen: 134.904 ug/L
RT: 9.452 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

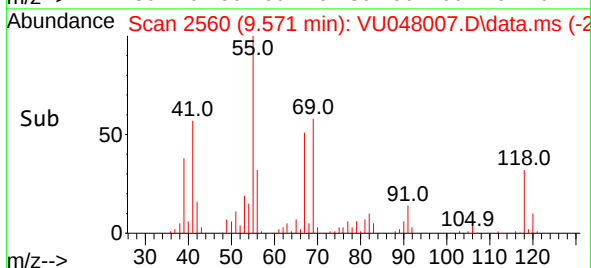
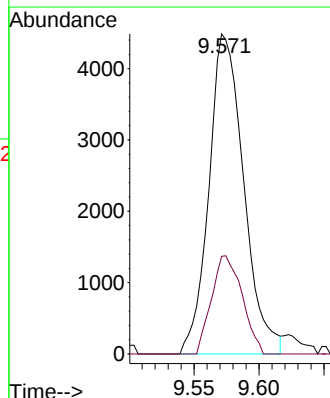
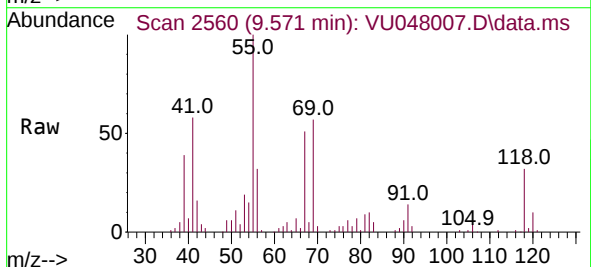
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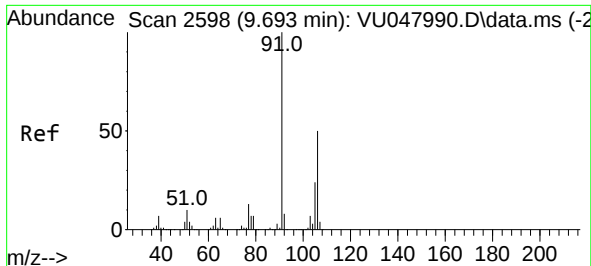
Tgt Ion:112 Resp: 1022283
Ion Ratio Lower Upper
112 100
114 32.0 22.1 41.1
77 56.5 43.4 65.0



#52
Ethylbenzene
Concen: 0.712 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

Tgt Ion: 91 Resp: 8352
Ion Ratio Lower Upper
91 100
106 30.5 22.4 41.6

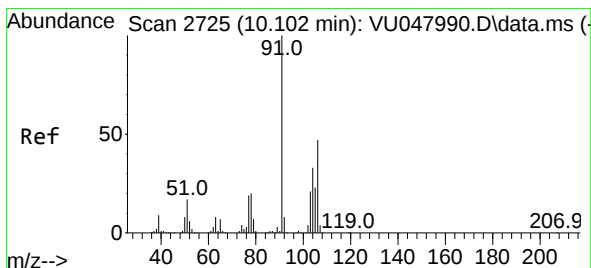
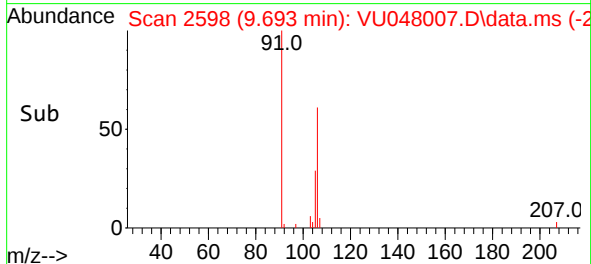
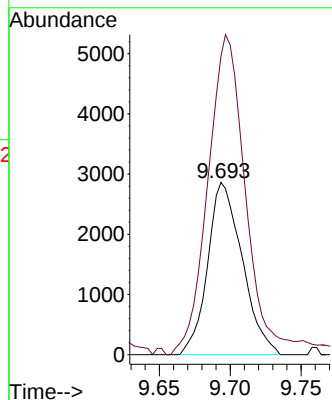
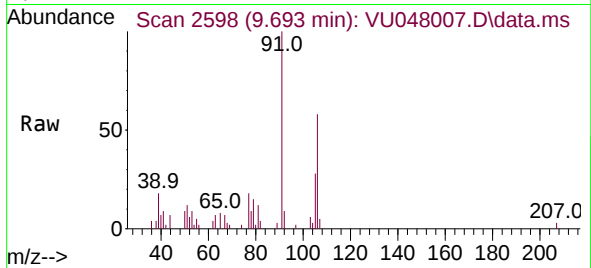




#53
m,p-Xylene
Concen: 1.056 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

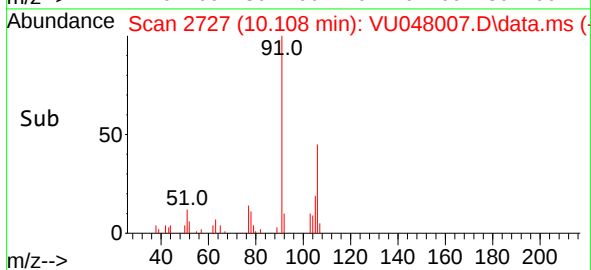
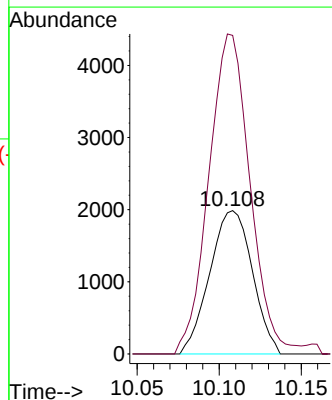
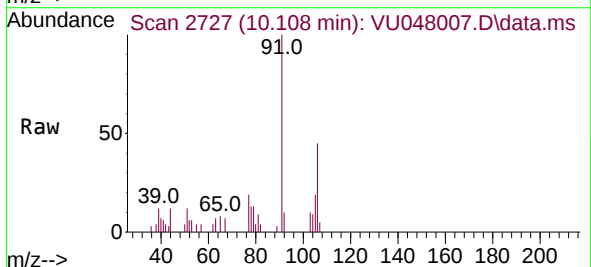
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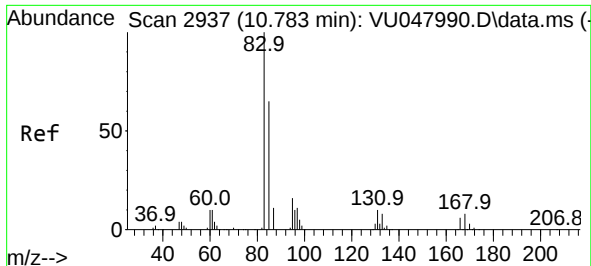
Tgt Ion:106 Resp: 4864
Ion Ratio Lower Upper
106 100
91 173.4 137.7 255.7



#54
o-Xylene
Concen: 0.794 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.006 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

Tgt Ion:106 Resp: 3589
Ion Ratio Lower Upper
106 100
91 222.3 146.7 272.5





#57

1,1,2,2-Tetrachloroethane

Concen: 16.195 ug/L

RT: 10.787 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU048007.D

Acq: 13 Apr 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

ETNS2

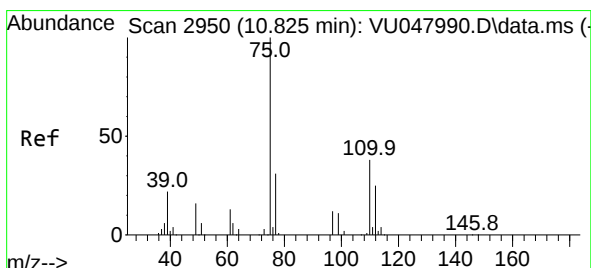
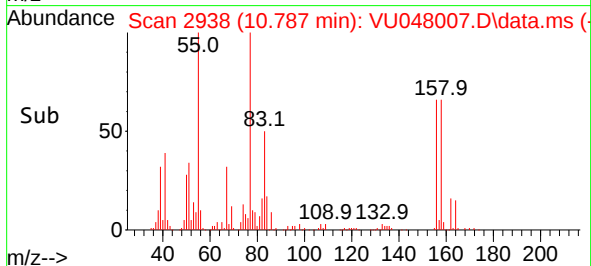
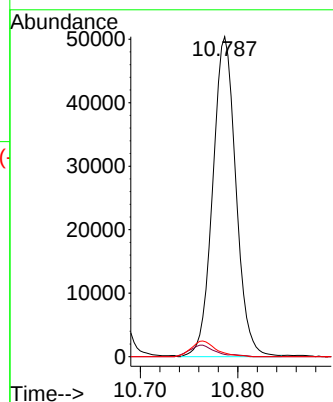
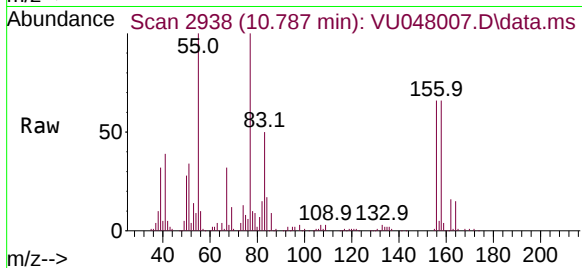
Tgt Ion: 83 Resp: 83263

Ion Ratio Lower Upper

83 100

85 0.7 44.9 83.3#

131 1.2 8.6 13.0#



#60

1,2,3-Trichloropropane

Concen: 3.455 ug/L

RT: 10.787 min Scan# 2938

Delta R.T. -0.039 min

Lab File: VU048007.D

Acq: 13 Apr 2022 16:34

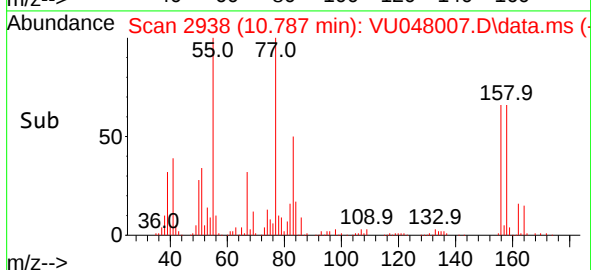
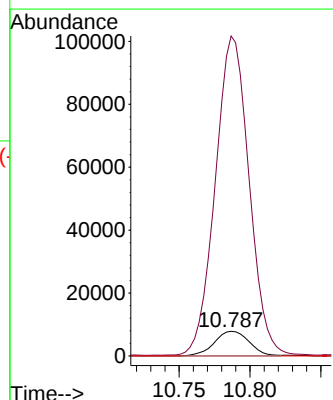
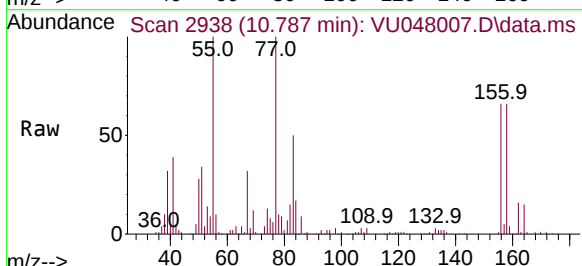
Tgt Ion: 75 Resp: 13450

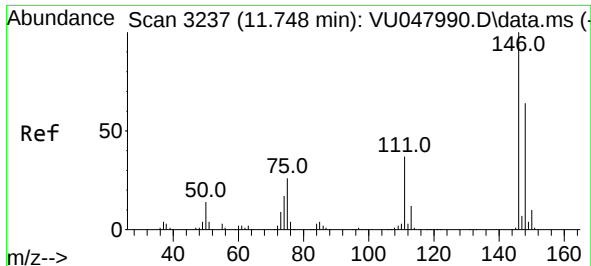
Ion Ratio Lower Upper

75 100

77 1251.9 26.0 39.0#

110 0.0 31.4 47.2#

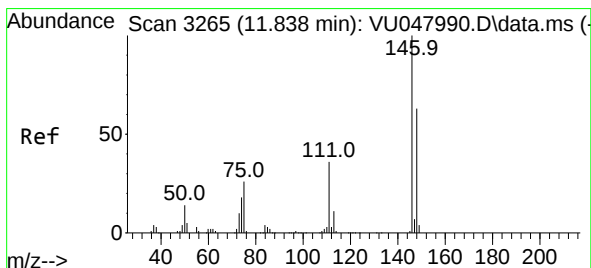
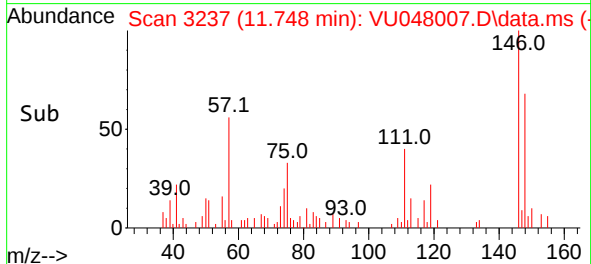
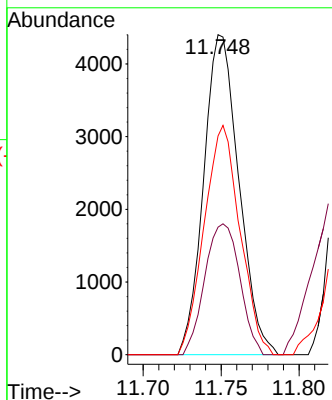
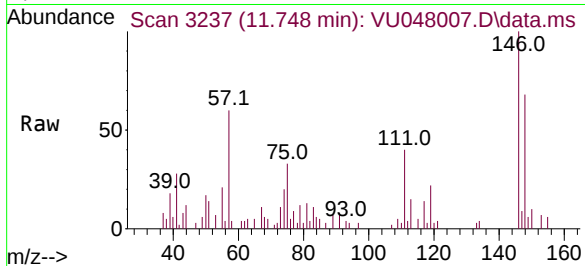




#64
1,3-Dichlorobenzene
Concen: 1.114 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

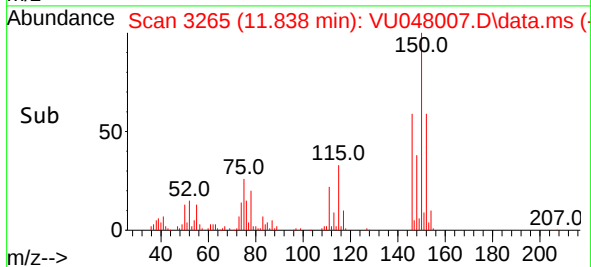
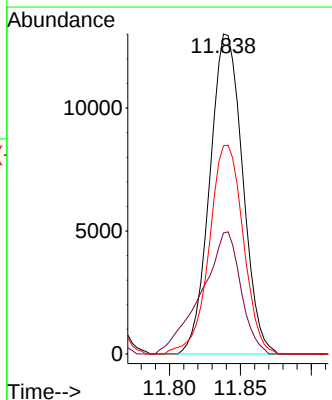
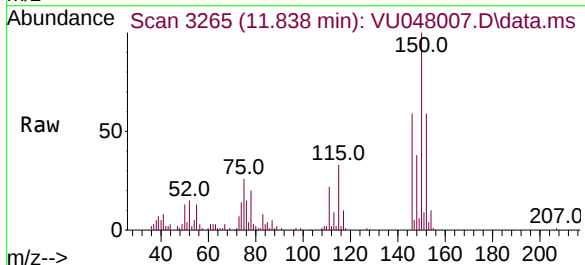
Instrument :
MSVOA_U
ClientSampleId :
ETNS2

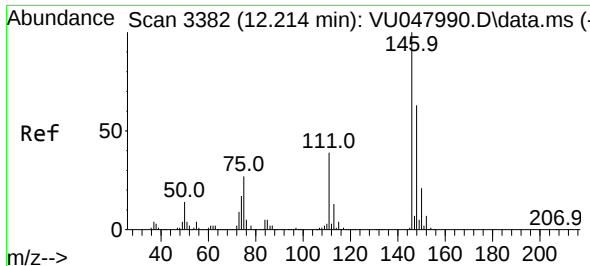
Tgt Ion:146 Resp: 6912
Ion Ratio Lower Upper
146 100
111 39.8 26.7 49.7
148 68.3 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 3.259 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

Tgt Ion:146 Resp: 20939
Ion Ratio Lower Upper
146 100
111 37.8 25.3 47.1
148 65.1 44.5 82.7

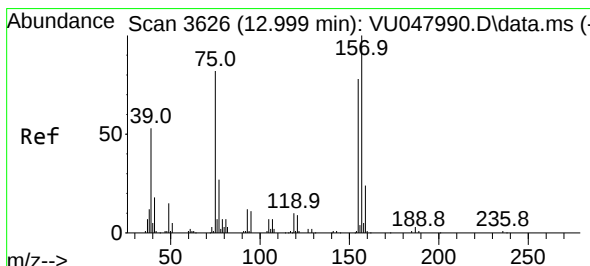
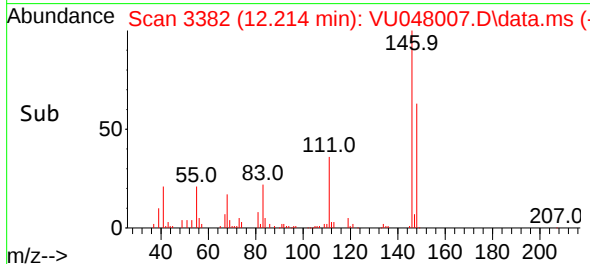
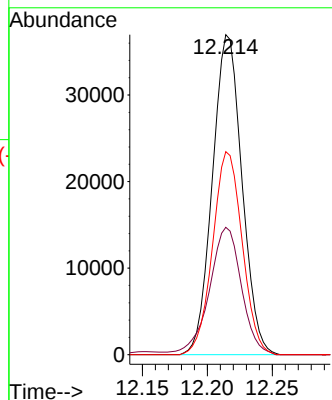
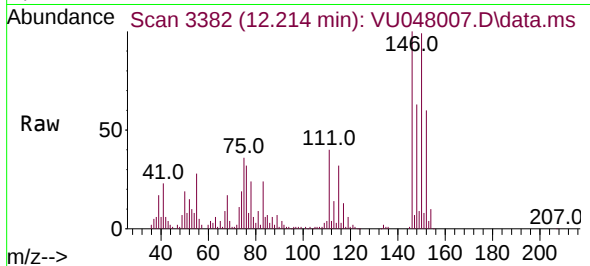




#67
1,2-Dichlorobenzene
Concen: 9.410 ug/L
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

Instrument :
MSVOA_U
ClientSampleId :
ETNS2

Tgt Ion:146 Resp: 58411
Ion Ratio Lower Upper
146 100
111 39.8 31.7 47.5
148 63.4 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 1966.669 ug/L
RT: 12.970 min Scan# 3617
Delta R.T. -0.029 min
Lab File: VU048007.D
Acq: 13 Apr 2022 16:34

Tgt Ion: 75 Resp: 2452471
Ion Ratio Lower Upper
75 100
155 3.0 78.9 118.3#
157 2.6 97.5 146.3#

