

Data File : VU034737.D
Acq On : 23 Sep 2019 16:40
Operator : JC/SP
Sample : K4982-04DL 100X
Misc : 3.99g/5.0mL/100uL/10mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AT5DL

Quant Time: Sep 24 01:57:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 01:52:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	477824	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	447968	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	218167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	202489	41.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.78%
7) Chloroethane-d5	1.67	69	166468	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.06%
11) 1,1-Dichloroethene-d2	2.26	63	284259	34.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.62%
21) 2-Butanone-d5	4.15	46	328756	87.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.69%
24) Chloroform-d	4.62	84	300301	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.46%
26) 1,2-Dichloroethane-d4	5.28	65	255592	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
32) Benzene-d6	5.32	84	709327	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
36) 1,2-Dichloropropane-d6	6.31	67	252866	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.54	98	670322	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	7.83	79	113688	48.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.82%
47) 2-Hexanone-d5	8.29	63	239058	98.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.08%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	324186	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.84	152	232579	50.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.68%

Target Compounds

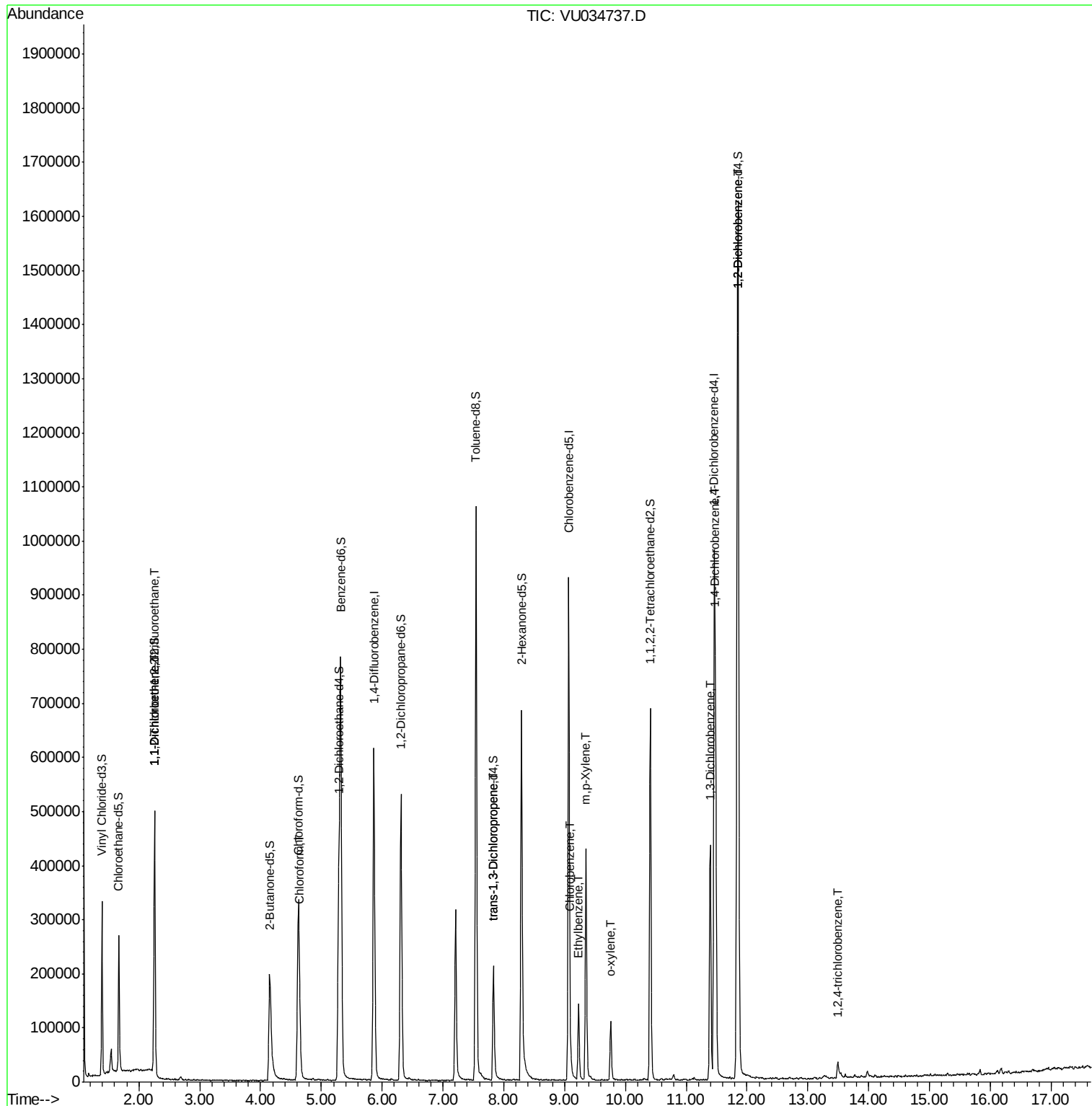
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2685	0.824	ug/L #	24
12) 1,1-Dichloroethene	2.26	96	2453	0.785	ug/L #	1
25) Chloroform	4.65	83	46319	5.999	ug/L	91
44) trans-1,3-Dichloropropene	7.83	75	6109	0.975	ug/L	87
51) Chlorobenzene	9.10	112	12842	1.258	ug/L	99
52) Ethylbenzene	9.23	91	98310	5.199	ug/L	98
53) m,p-Xylene	9.35	106	107152	16.000	ug/L	95
54) o-xylene	9.76	106	27788	4.195	ug/L	93
62) 1,3-Dichlorobenzene	11.40	146	158937	21.036	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	232319	30.185	ug/L	95
65) 1,2-Dichlorobenzene	11.85	146	473703	62.052	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	10264	2.578	ug/L #	95

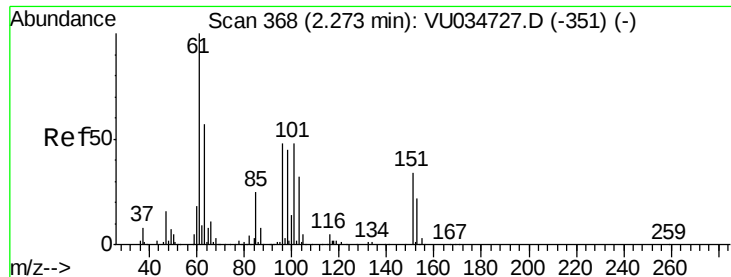
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.824 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

C0AT5DL

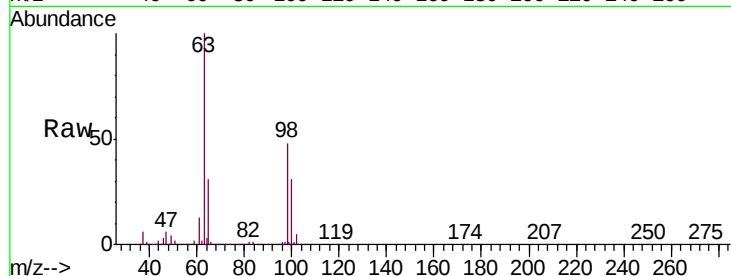
Tgt Ion:101 Resp: 2685

Ion Ratio Lower Upper

101 100

85 1.6 39.0 58.4#

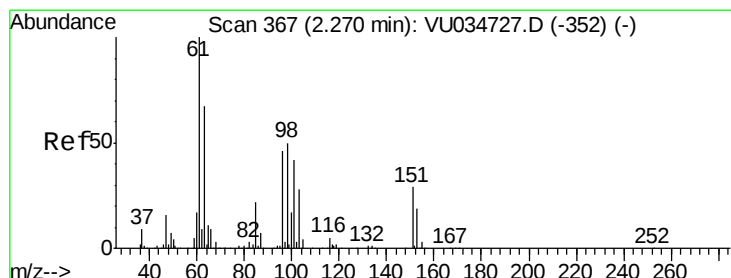
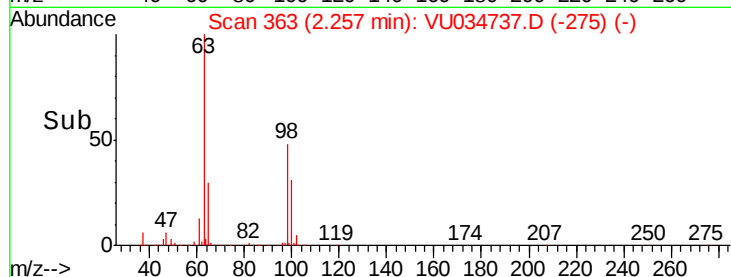
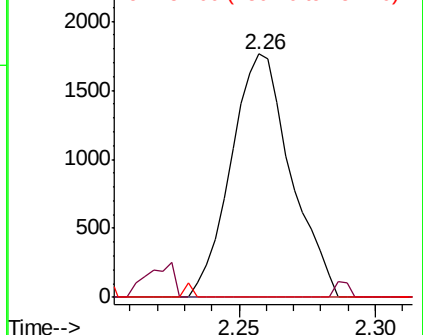
151 1.6 52.8 79.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.785 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

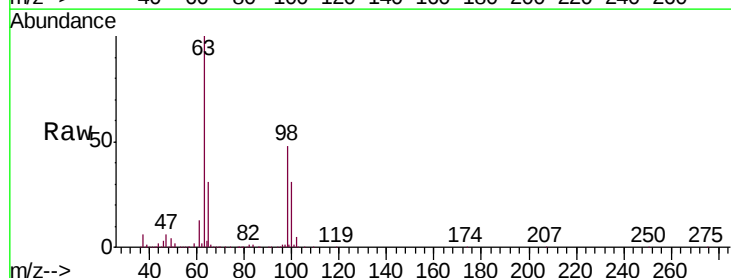
Tgt Ion: 96 Resp: 2453

Ion Ratio Lower Upper

96 100

61 1563.1 153.2 284.4#

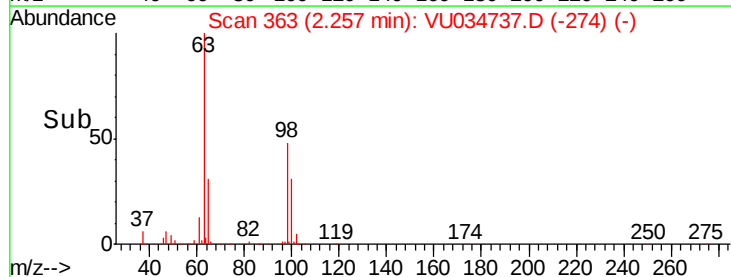
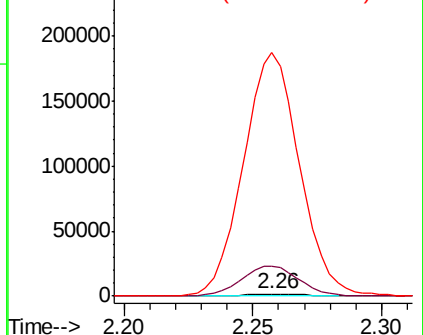
63 12500.7 113.8 211.3#

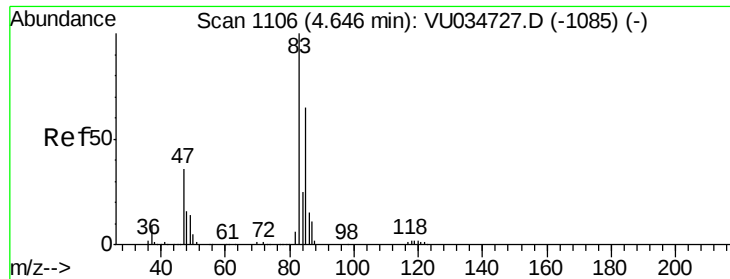


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#25

Chloroform

Concen: 5.999 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

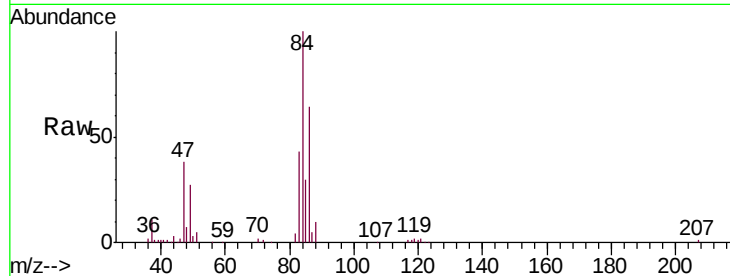
C0AT5DL

Tgt Ion: 83 Resp: 46319

Ion Ratio Lower Upper

83 100

85 69.9 44.0 81.6

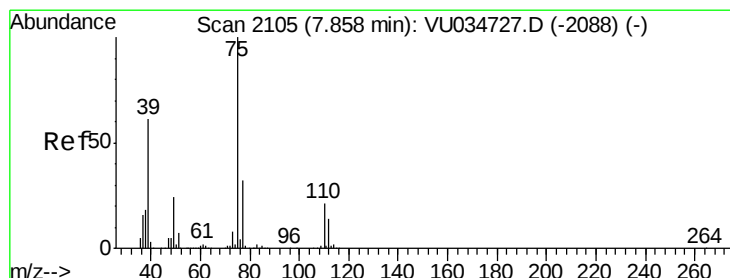
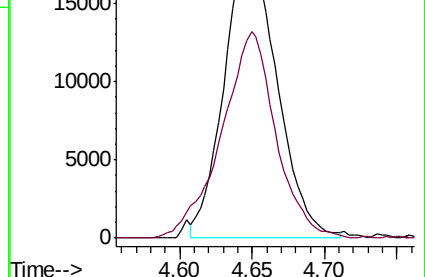
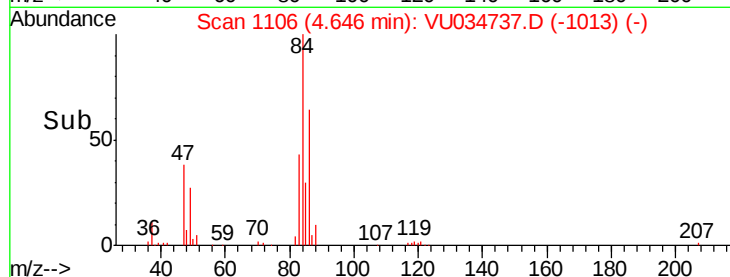


Abundance Ion 83.00 (82.70 to 83.70): VU034737.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU034737.D (-1085) (-)

4.65

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.975 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU034737.D

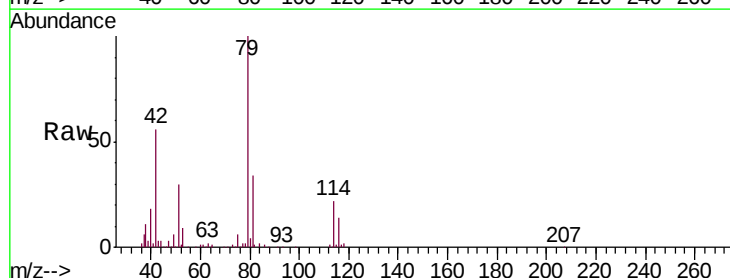
Acq: 23 Sep 2019 16:40

Tgt Ion: 75 Resp: 6109

Ion Ratio Lower Upper

75 100

77 37.6 21.4 39.8

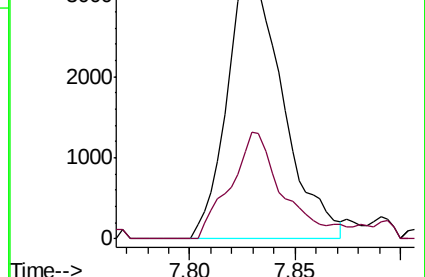
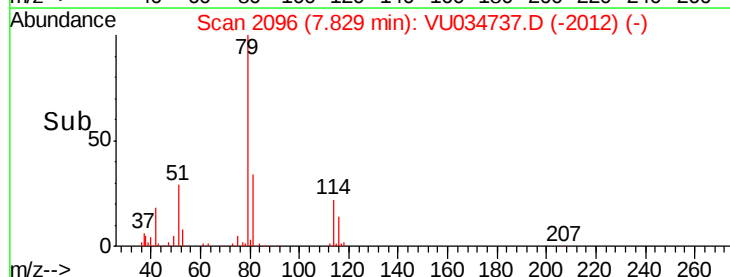


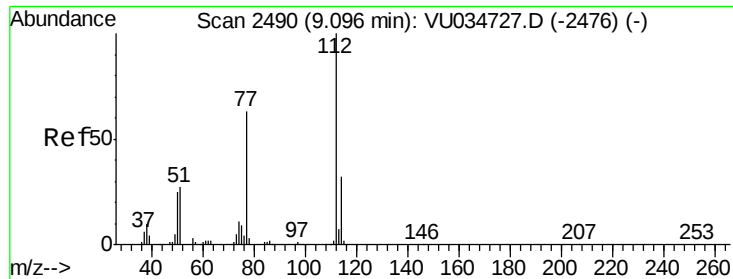
Abundance Ion 75.00 (74.70 to 75.70): VU034737.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU034737.D (-2088) (-)

7.83

Time-->





#51

Chlorobenzene

Concen: 1.258 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

C0AT5DL

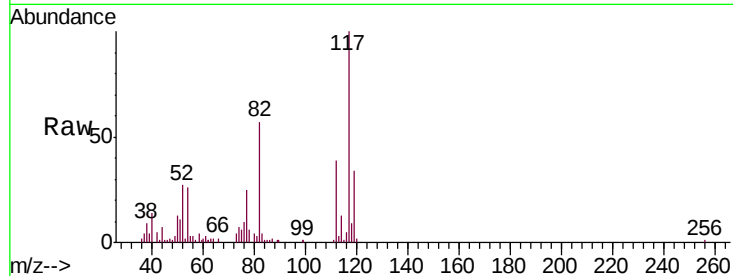
Tgt Ion: 112 Resp: 12842

Ion Ratio Lower Upper

112 100

114 33.8 22.8 42.4

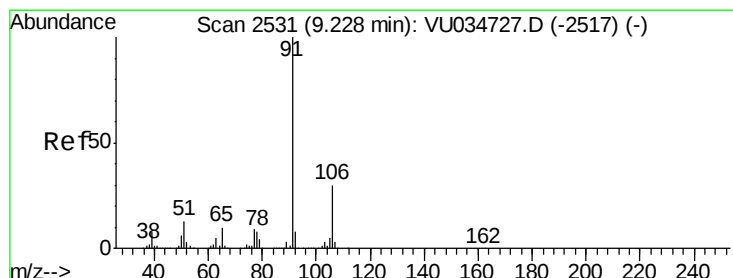
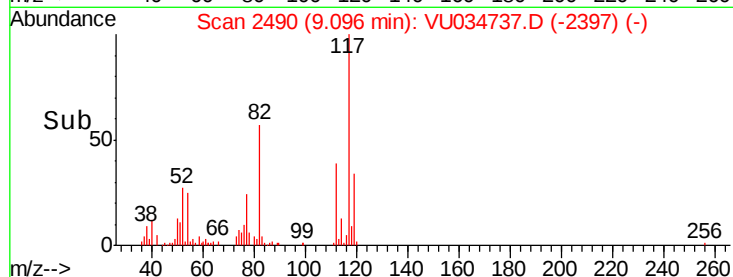
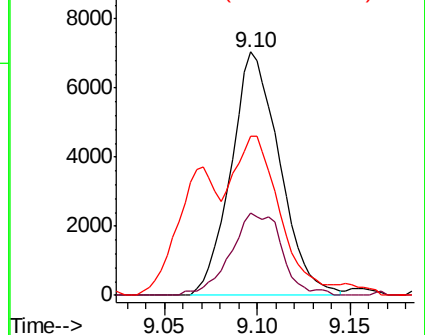
77 65.3 51.5 77.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 5.199 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034737.D

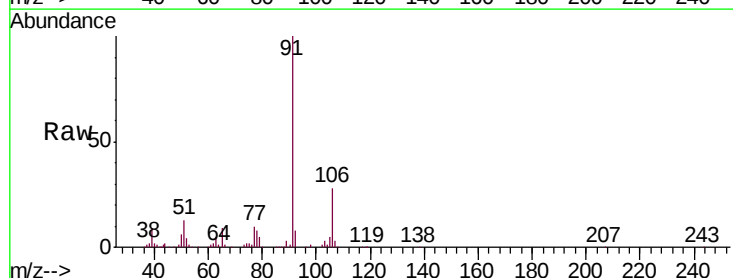
Acq: 23 Sep 2019 16:40

Tgt Ion: 91 Resp: 98310

Ion Ratio Lower Upper

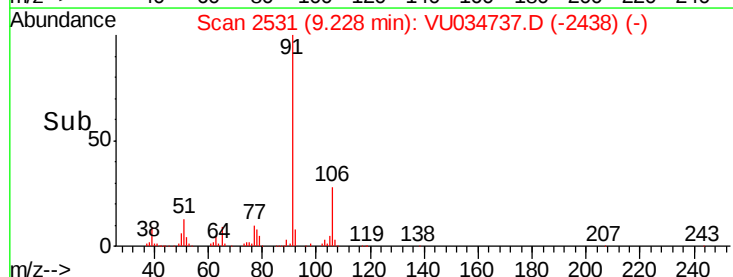
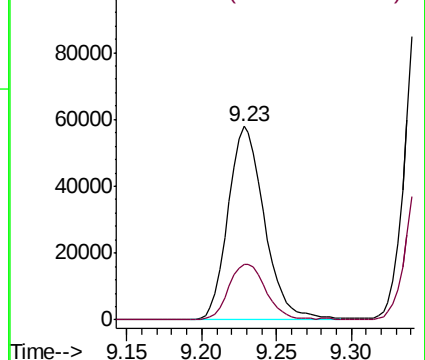
91 100

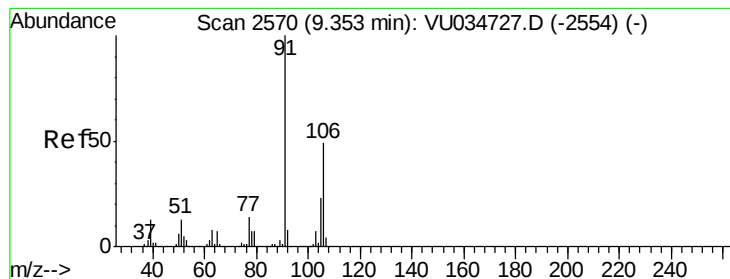
106 28.4 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 16.000 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

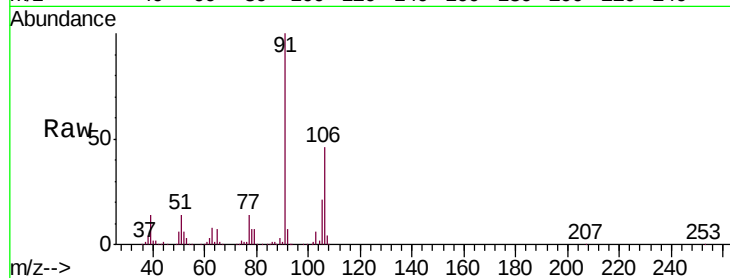
C0AT5DL

Tgt Ion:106 Resp: 107152

Ion Ratio Lower Upper

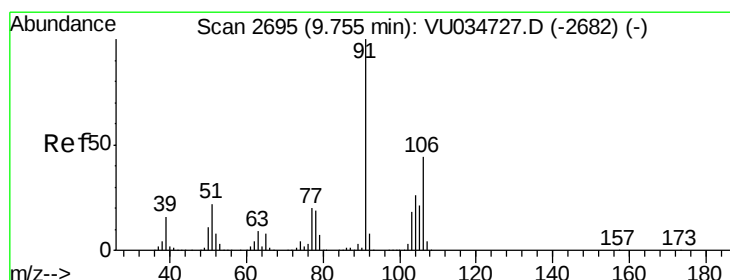
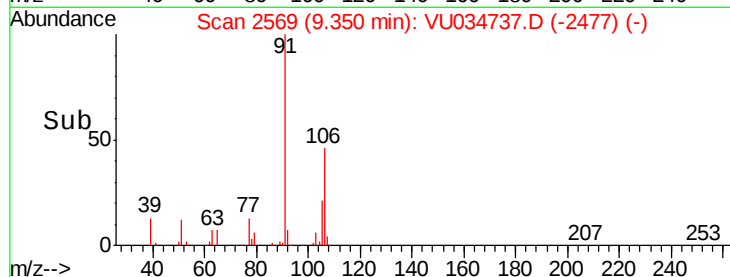
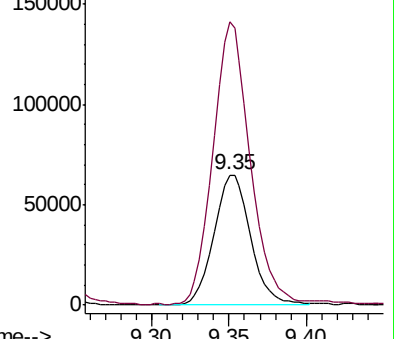
106 100

91 217.4 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.195 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034737.D

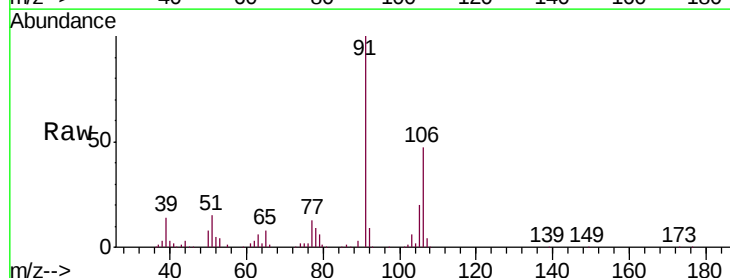
Acq: 23 Sep 2019 16:40

Tgt Ion:106 Resp: 27788

Ion Ratio Lower Upper

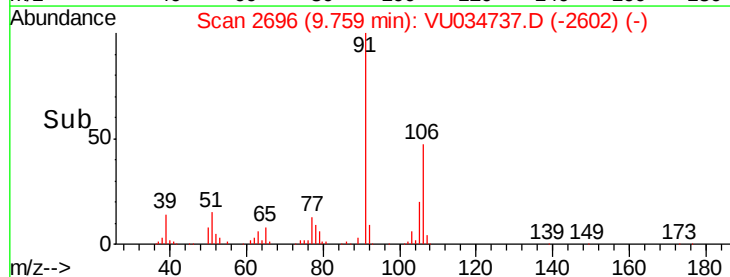
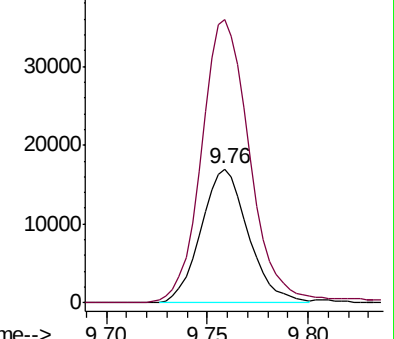
106 100

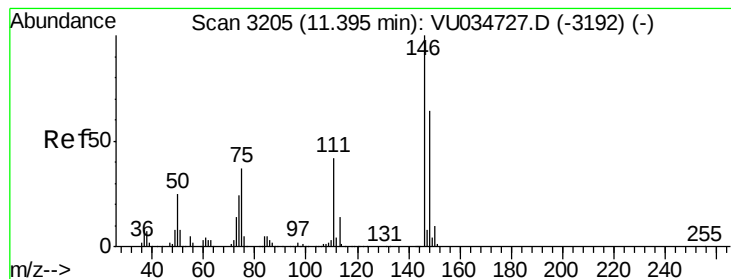
91 211.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#62

1,3-Dichlorobenzene

Concen: 21.036 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

C0AT5DL

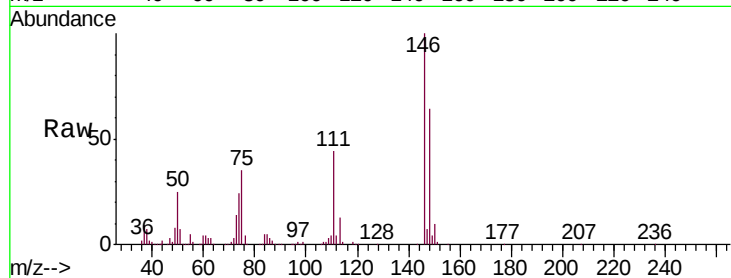
Tgt Ion:146 Resp: 158937

Ion Ratio Lower Upper

146 100

111 44.0 30.4 56.5

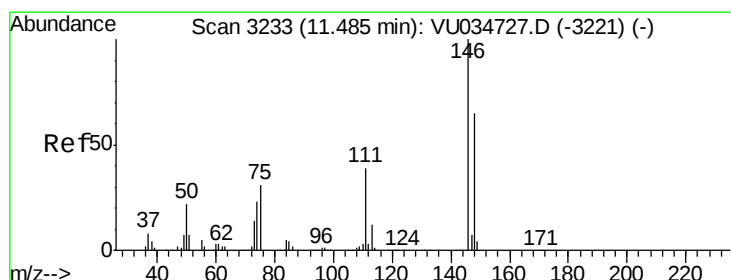
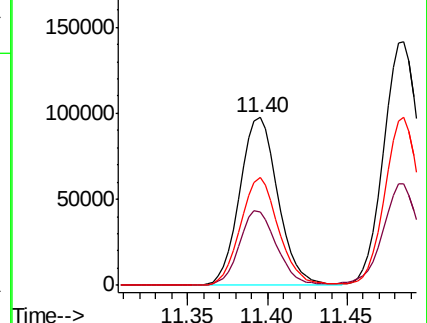
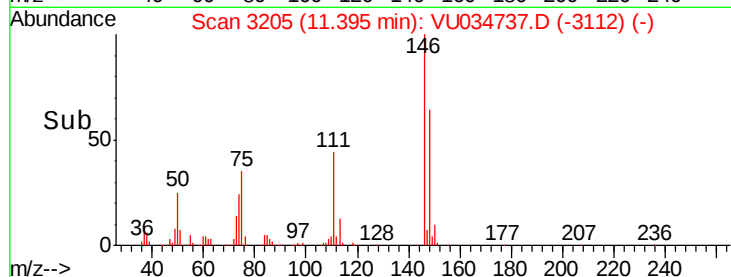
148 64.0 46.1 85.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 30.185 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

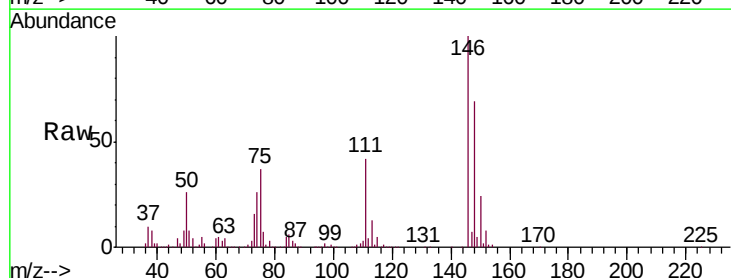
Tgt Ion:146 Resp: 232319

Ion Ratio Lower Upper

146 100

111 41.5 29.5 54.9

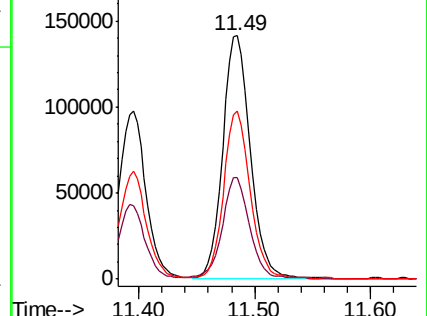
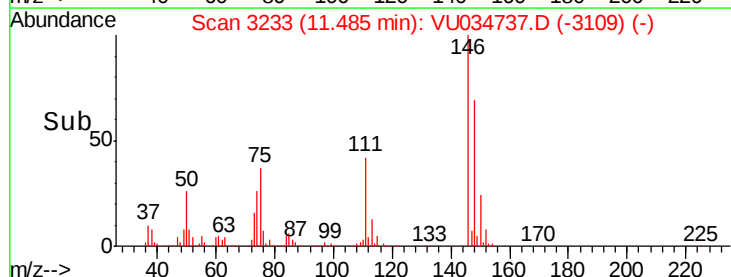
148 69.0 44.4 82.4

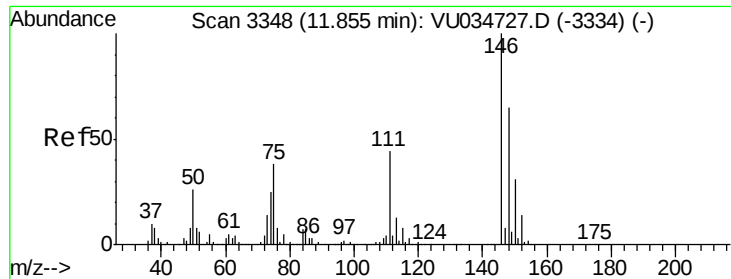


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

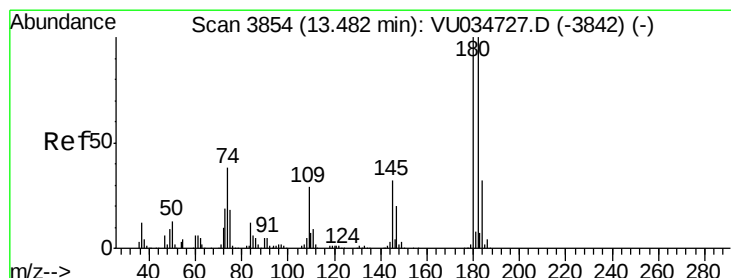
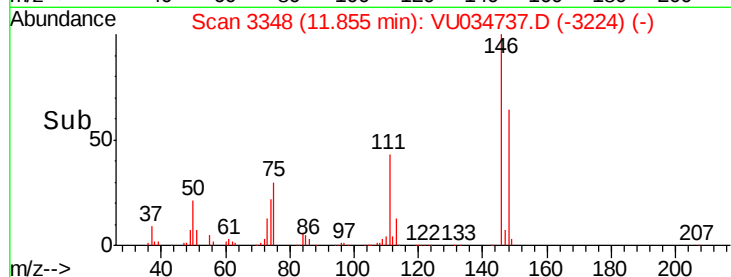
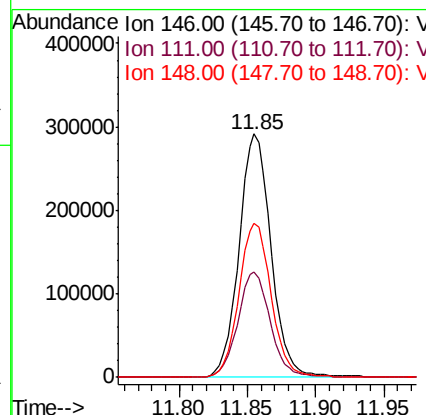
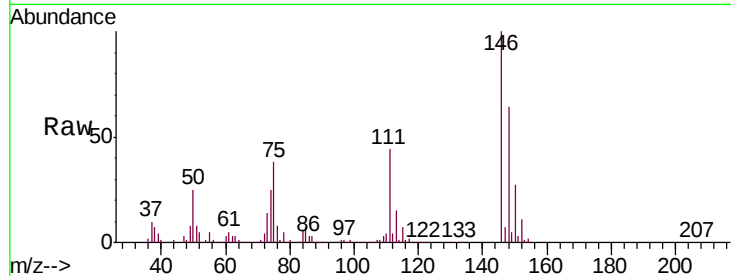




#65
 1,2-Dichlorobenzene
 Concen: 62.052 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034737.D
 Acq: 23 Sep 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT5DL

Tgt Ion:146 Resp: 473703
 Ion Ratio Lower Upper
 146 100
 111 43.5 35.2 52.8
 148 63.5 53.0 79.6



#68
 1,2,4-trichlorobenzene
 Concen: 2.578 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU034737.D
 Acq: 23 Sep 2019 16:40

Tgt Ion:180 Resp: 10264
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.7 113.5
 145 23.2 25.2 37.8#

