

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U060420\
 Data File : VU038550.D
 Acq On : 04 Jun 2020 15:42
 Operator : SY/MD
 Sample : L2873-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM7

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 7:18:04 PM

Quant Time: Jun 05 02:32:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 05 01:11:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	295181	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	290404	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	141103	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	73435	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.93	69	64409	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.59	63	120669	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.68	46	299647	51.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.26%
24) Chloroform-d	5.10	84	171437	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.74	65	100850	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.76	84	341658	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.72	67	107368	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.92	98	288341	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	8.20	79	41689	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.65	63	259950	54.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93574	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	119696	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	18172	0.794	ug/L #	1
13) Acetone	2.68	43	8663m	2.281	ug/L	
14) Carbon disulfide	2.82	76	6032	0.098	ug/L #	94
18) trans-1,2-Dichloroethene	3.38	96	8415	0.430	ug/L	98
19) 1,1-Dichloroethane	3.91	63	27022	0.771	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	33204	1.574	ug/L	97
33) Benzene	5.81	78	6920	0.085	ug/L	100
34) Trichloroethene	6.57	95	25407	1.209	ug/L	98
42) Toluene	7.99	91	16011	0.189	ug/L	95
51) Chlorobenzene	9.47	112	53836	0.983	ug/L	96
53) m,p-Xylene	9.71	106	4485	0.123	ug/L	93
54) o-Xylene	10.11	106	2417	0.069	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	32306	0.779	ug/L	93
63) 1,4-Dichlorobenzene	11.85	146	10460	0.249	ug/L #	81

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

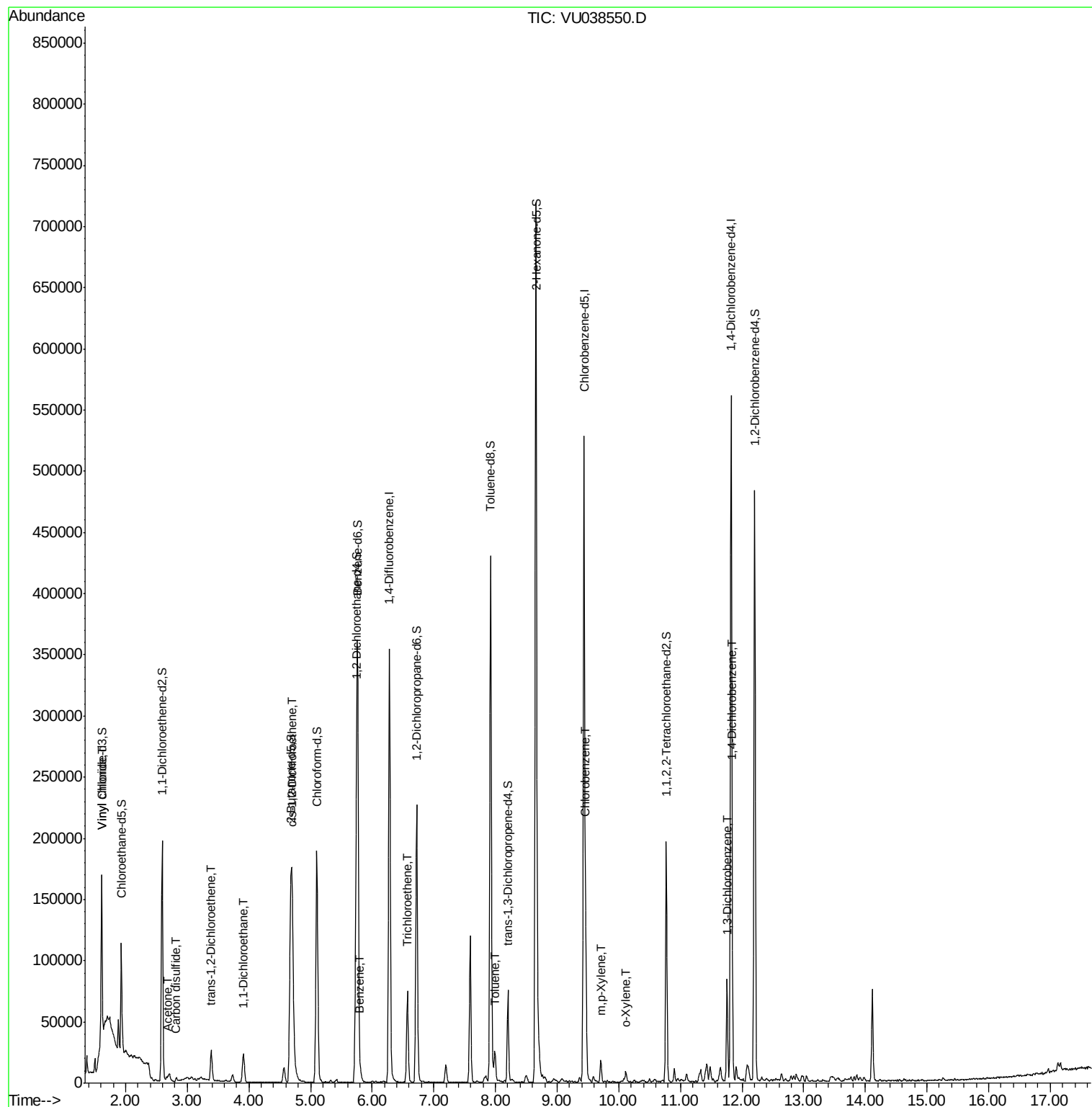
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU060420\
Data File : VU038550.D
Acq On : 04 Jun 2020 15:42
Operator : SY/MD
Sample : L2873-02
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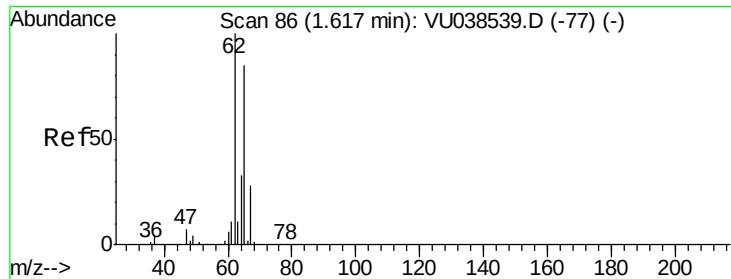
Instrument :
MSVOA_U
ClientSampleId :
ETTM7

Quant Time: Jun 05 02:32:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
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QLast Update : Fri Jun 05 01:11:12 2020
Response via : Initial Calibration

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#5

Vinyl chloride

Concen: 0.794 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

ETTM7

Tot Ion: 62 Resp: 18172

Ion Ratio Lower Upper

62 100

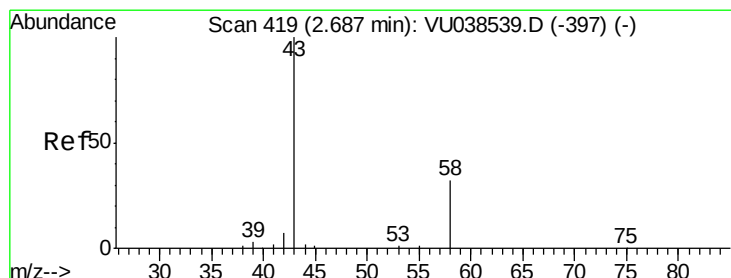
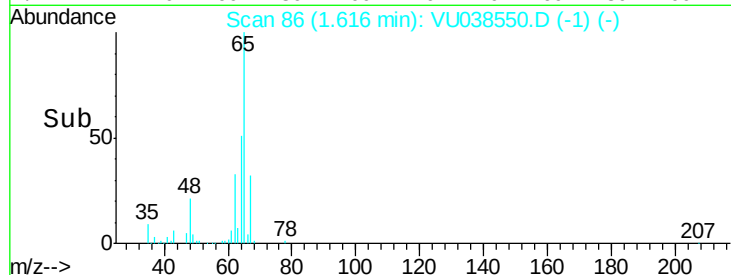
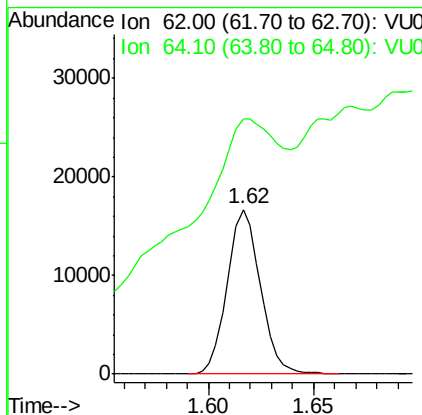
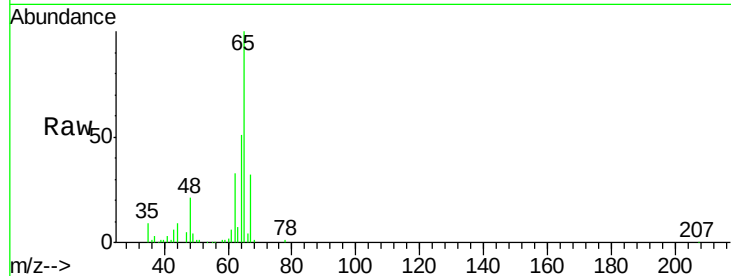
64 155.2 23.7 43.9#

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#13

Acetone

Concen: 2.281 ug/L m

RT: 2.68 min Scan# 418

Delta R.T. -0.00 min

Lab File: VU038550.D

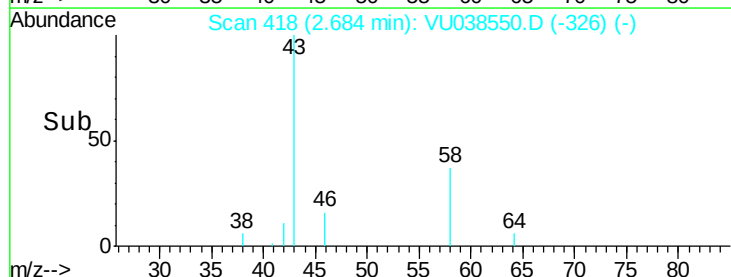
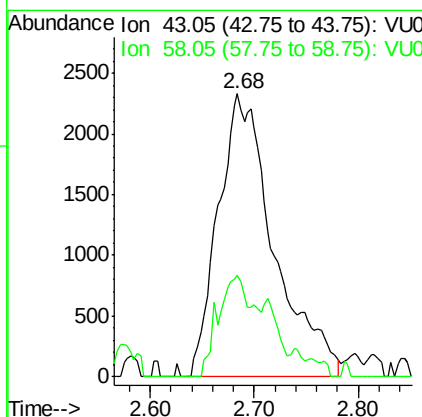
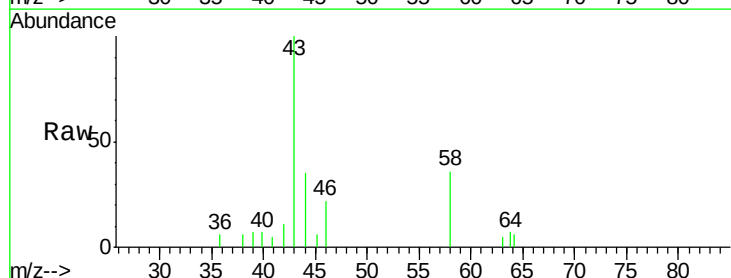
Acq: 04 Jun 2020 15:42

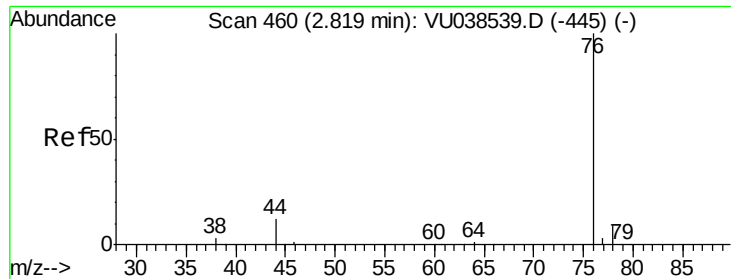
Tgt Ion: 43 Resp: 8663

Ion Ratio Lower Upper

43 100

58 22.6 0.0 65.6





#14

Carbon disulfide

Concen: 0.098 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

ETTM7

Tot Ion: 76 Resp: 6032

Ion Ratio Lower Upper

76 100

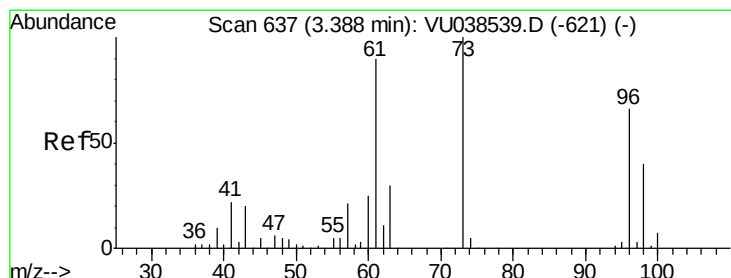
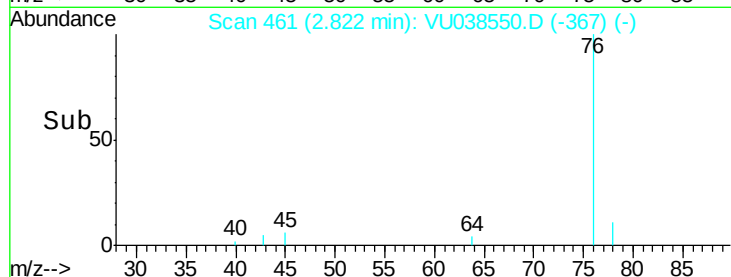
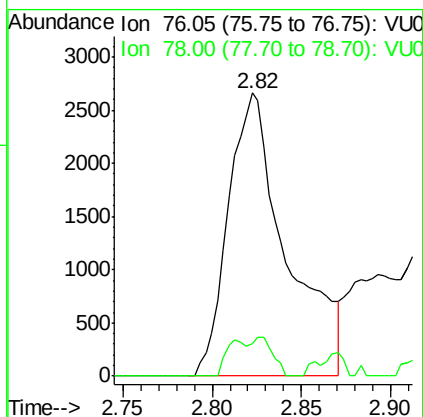
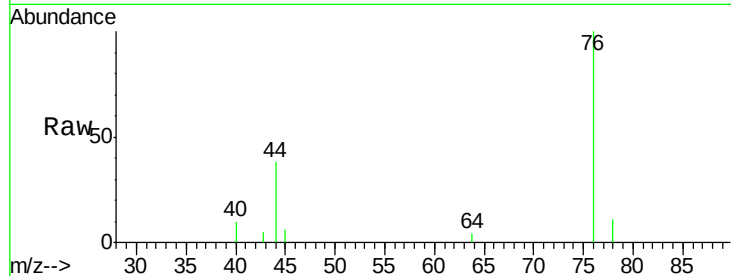
78 11.4 7.3 10.9#

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#18

trans-1,2-Dichloroethene

Concen: 0.430 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

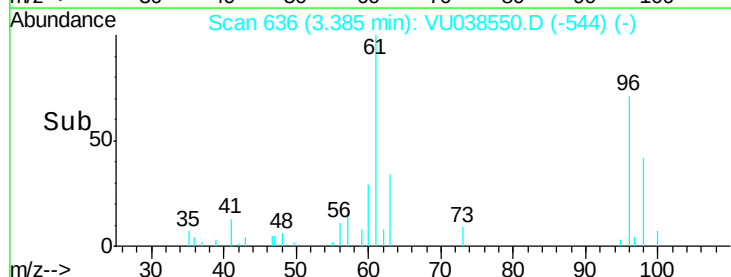
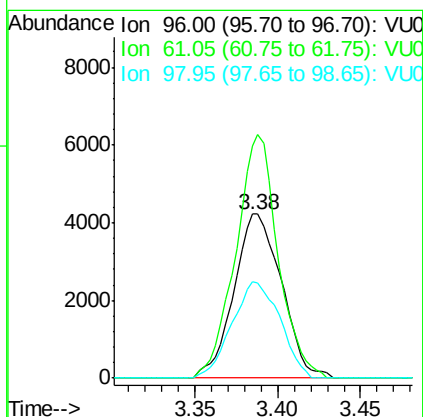
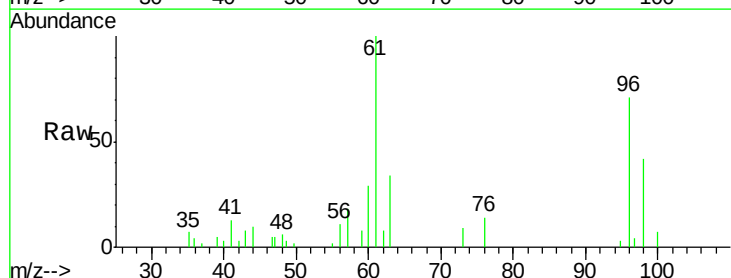
Tgt Ion: 96 Resp: 8415

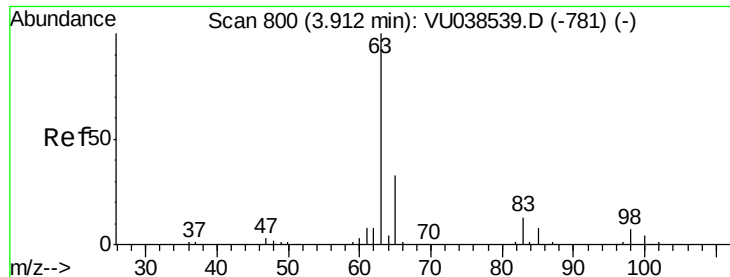
Ion Ratio Lower Upper

96 100

61 141.6 100.2 186.0

98 58.9 42.8 79.4





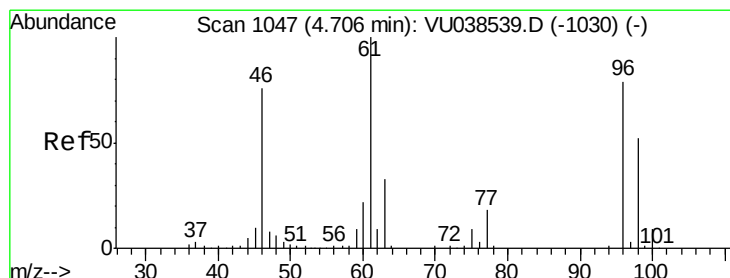
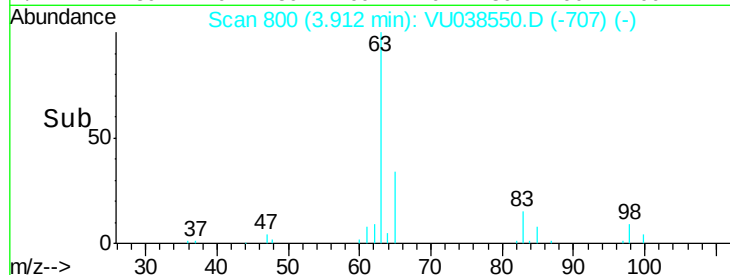
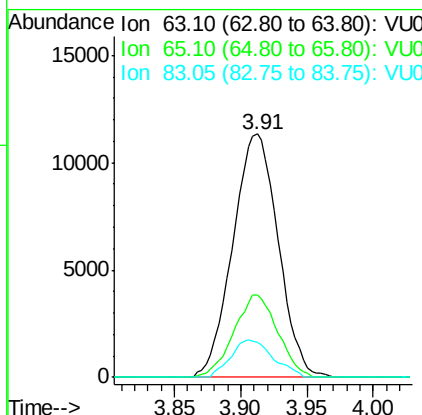
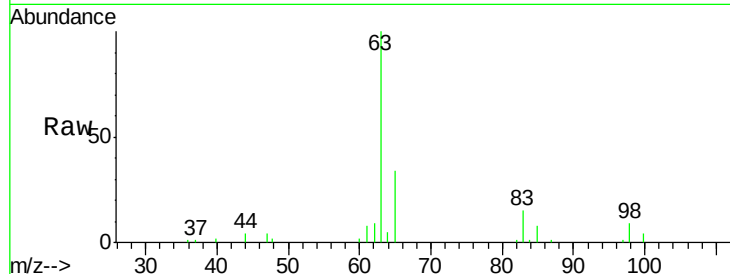
#19
1,1-Dichloroethane
Concen: 0.771 ug/L
RT: 3.91 min Scan# 800
Delta R.T. -0.00 min
Lab File: VU038550.D
Acq: 04 Jun 2020 15:42

Instrument :
MSVOA_U
ClientSampleId :
ETTM7

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.0	22.3	41.5
83	14.5	10.4	19.4

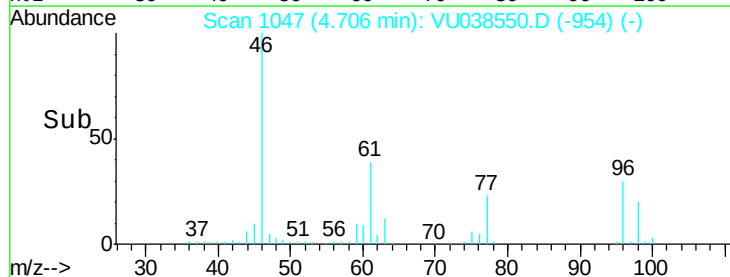
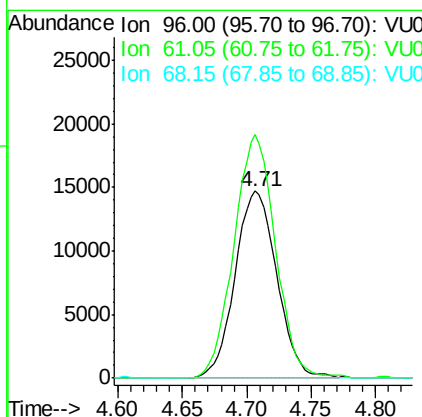
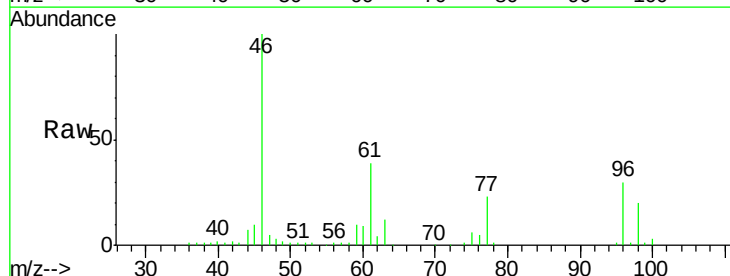
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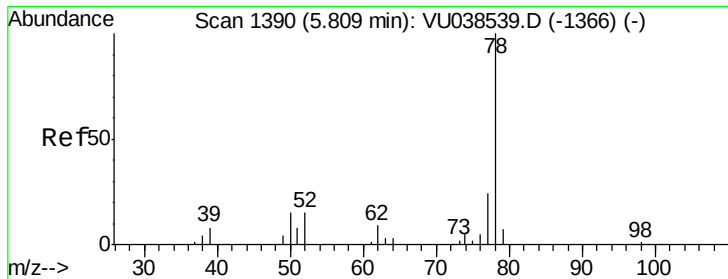
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#22
cis-1,2-Dichloroethene
Concen: 1.574 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU038550.D
Acq: 04 Jun 2020 15:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	94.0	174.6
68	0.0	0.0	0.0





#33

Benzene

Concen: 0.085 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Instrument :

MSVOA_U

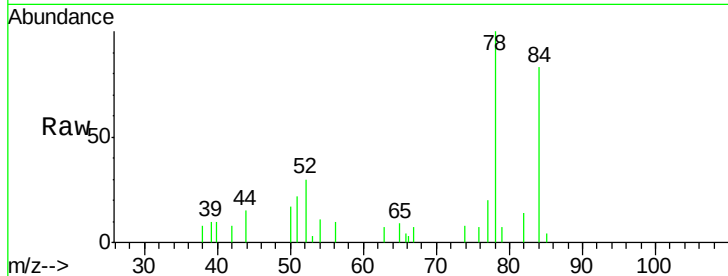
ClientSampleId :

ETTM7

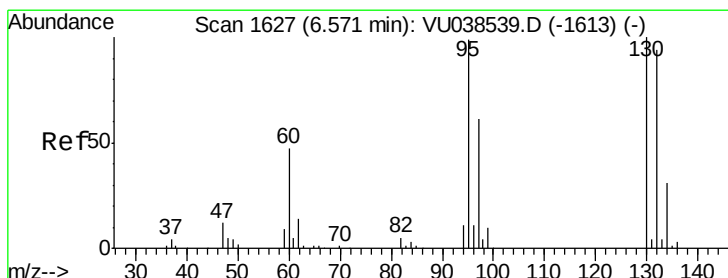
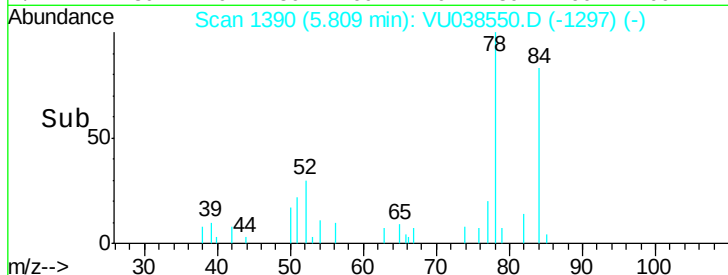
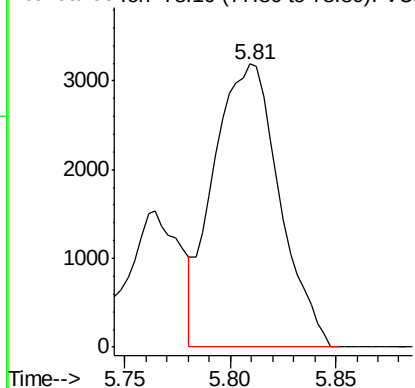
Tgt Ion: 78 Resp: 6920

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 1.209 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Tgt Ion: 95 Resp: 25407

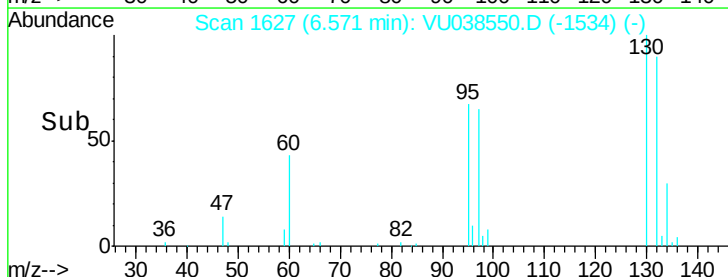
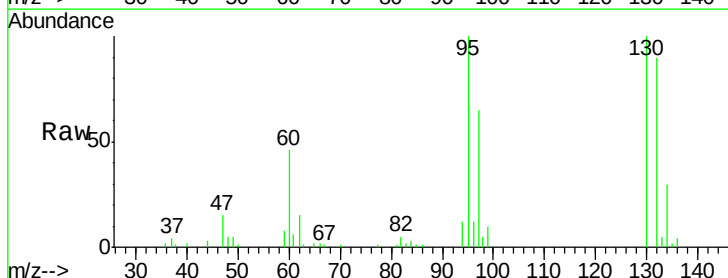
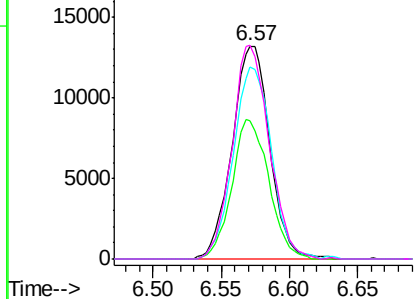
Ion	Ratio	Lower	Upper
95	100		
97	64.9	46.8	87.0
132	89.9	66.1	122.7
130	100.3	70.0	130.0

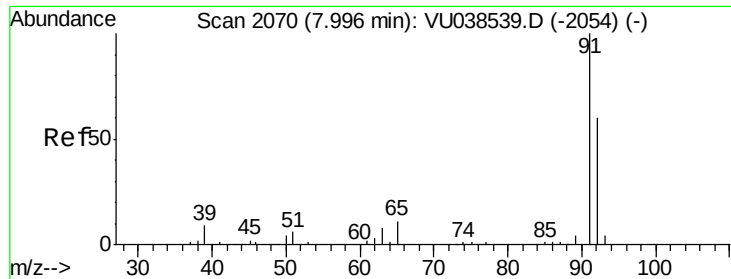
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 0.189 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Instrument :

MSVOA_U

ClientSampled :

ETTM7

Tot Ion: 91 Resp: 16011

Ion Ratio Lower Upper

91 100

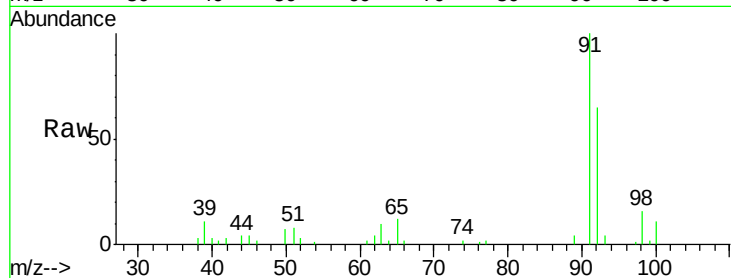
92 65.1 43.0 79.8

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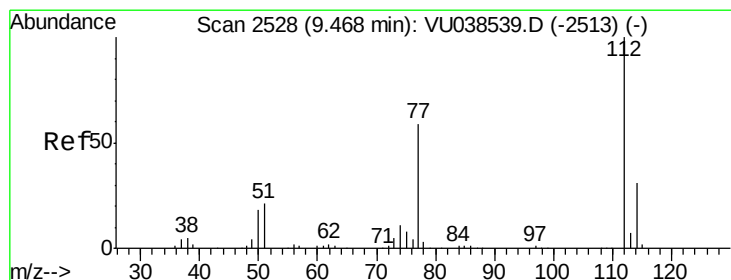
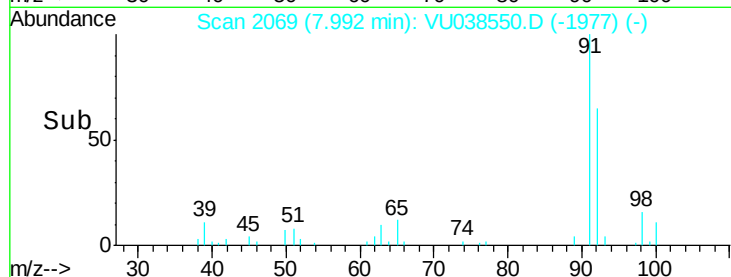
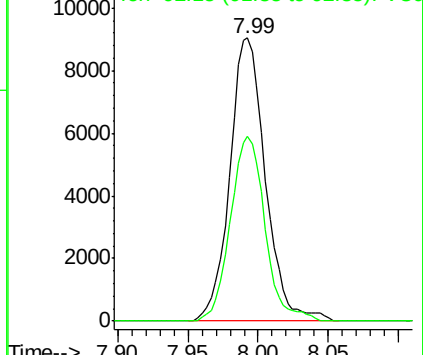
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Abundance Ion 91.15 (90.85 to 91.85): VU038539.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038539.D (-2054) (-)



#51

Chlorobenzene

Concen: 0.983 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

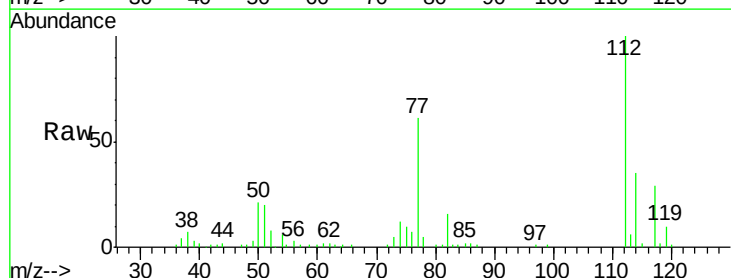
Tgt Ion: 112 Resp: 53836

Ion Ratio Lower Upper

112 100

114 35.2 22.4 41.6

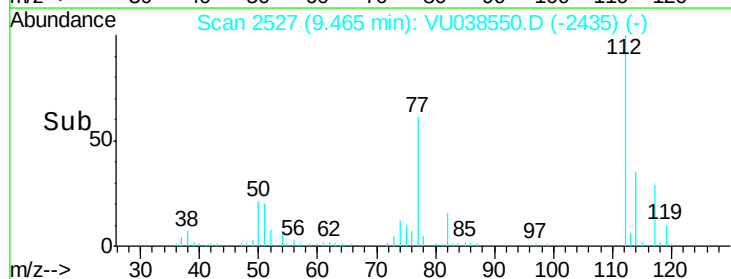
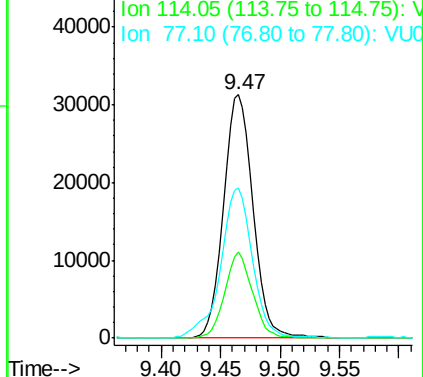
77 61.5 47.1 70.7

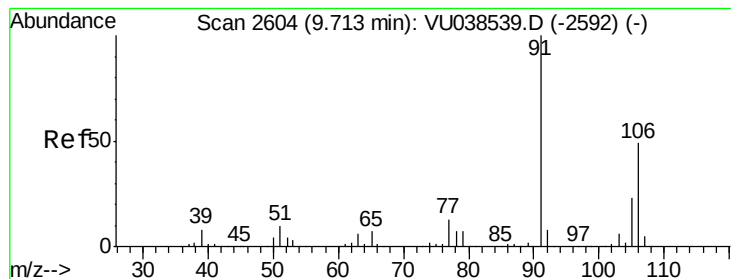


Abundance Ion 112.10 (111.80 to 112.80): VU038539.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038539.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038539.D (-2513) (-)





#53

m,p-Xylene

Concen: 0.123 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Instrument :

MSVOA_U

ClientSampled :

ETTM7

Tot Ion:106 Resp: 4485

Ion Ratio Lower Upper

106 100

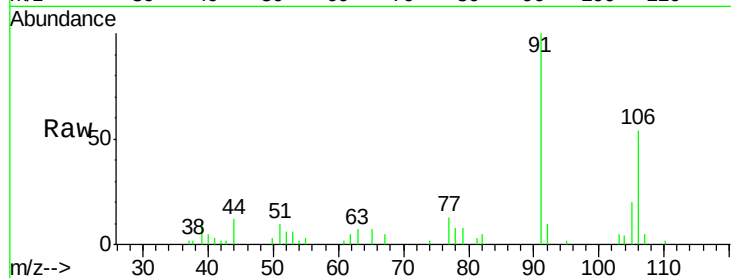
91 186.5 138.1 256.5

Manual Integrations

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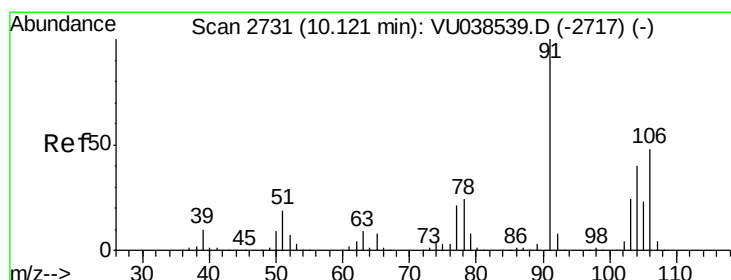
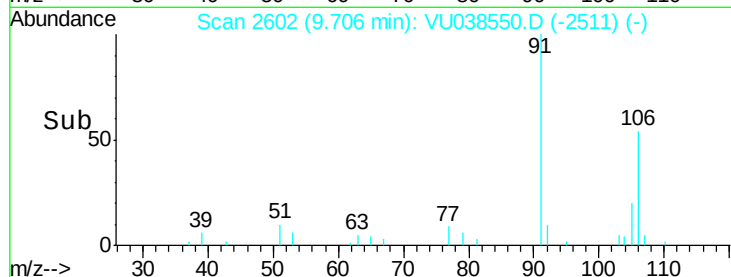
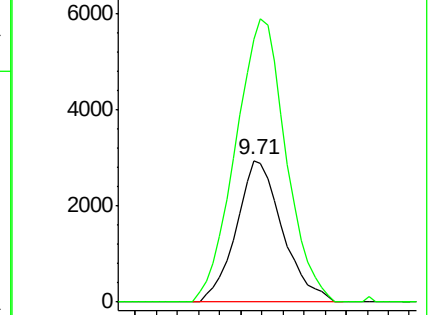
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.069 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.01 min

Lab File: VU038550.D

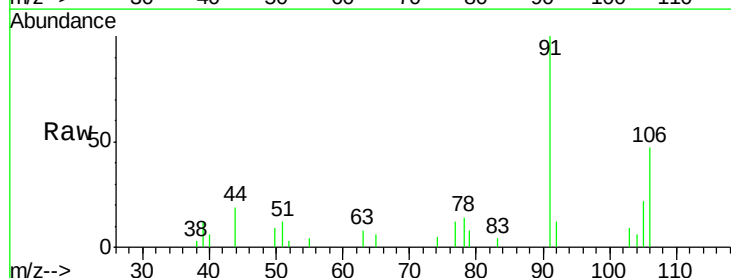
Acq: 04 Jun 2020 15:42

Tgt Ion:106 Resp: 2417

Ion Ratio Lower Upper

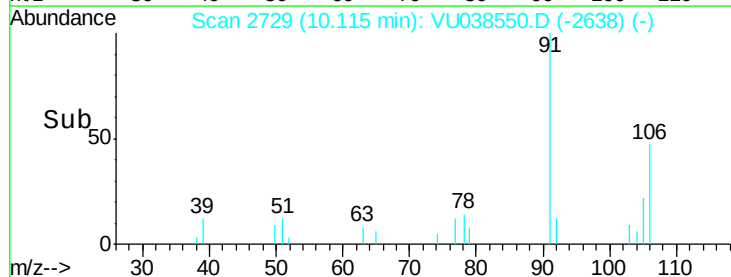
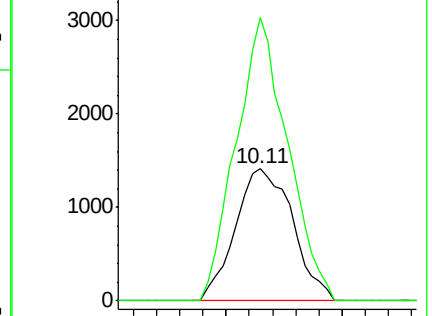
106 100

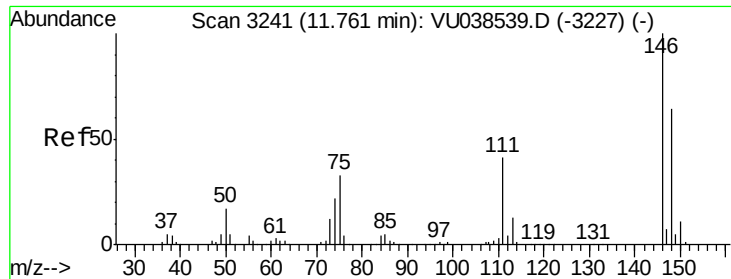
91 214.2 150.6 279.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#62

1,3-Dichlorobenzene

Concen: 0.779 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Instrument :

MSVOA_U

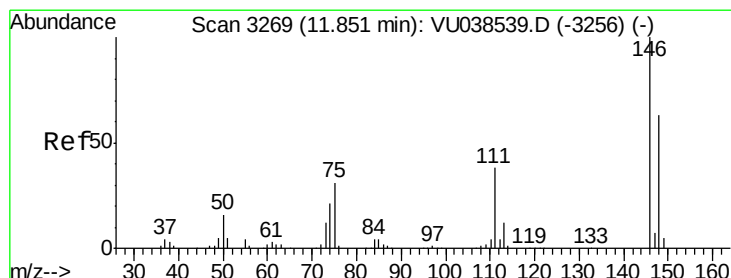
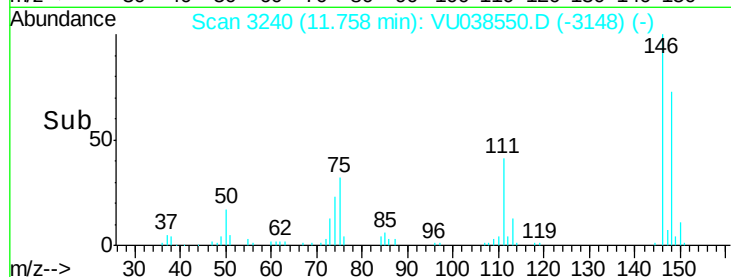
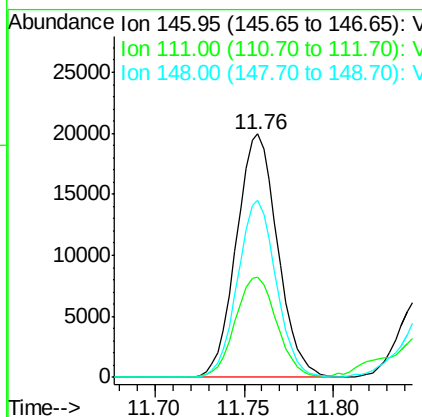
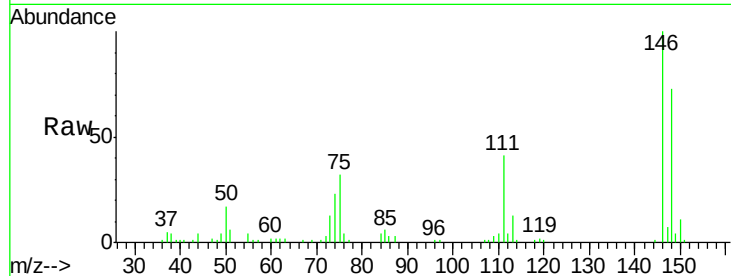
ClientSampled :

ETTM7

Tot Ion:	146	Resp:	32306
Ion Ratio	Lower	Upper	
146	100		
111	41.0	29.5	54.9
148	72.9	45.6	84.6

Manual Integrations
APPROVED

MMDadoda
6/5/2020 7:18:04 PM



#63

1,4-Dichlorobenzene

Concen: 0.249 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038550.D

Acq: 04 Jun 2020 15:42

Tgt Ion:	146	Resp:	10460
Ion Ratio	Lower	Upper	
146	100		
111	54.7	27.6	51.2#
148	76.4	44.8	83.2

