

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120319\
 Data File : VU035945.D
 Acq On : 03 Dec 2019 13:14
 Operator : JC/SP
 Sample : VIBLK
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Dec 04 03:40:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 04 03:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	366563	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	378763	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	133381	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	195995	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.93	69	152694	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.59	63	209305	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.70	46	334088	45.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.30%
24) Chloroform-d	5.11	84	255799	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.75	65	136019	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.77	84	523074	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.73	67	165096	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.93	98	441269	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.21	79	65597	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.68	63	252830	43.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.64%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	130363	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	140471	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.60	96	2425	0.092 ug/L #	1
13) Acetone	2.69	43	18209	2.722 ug/L	89
14) Carbon disulfide	2.82	76	7600	0.083 ug/L #	94
16) Methylene chloride	3.08	84	17356	0.427 ug/L	98
35) Methylcyclohexane	6.73	83	38752	0.858 ug/L #	16
37) 1,2-Dichloropropane	6.73	63	18558	0.575 ug/L #	88
40) 4-Methyl-2-pentanone	7.84	43	20927	1.104 ug/L #	88
48) 2-Hexanone	8.73	43	32767	2.340 ug/L	98
55) Styrene	10.14	104	4858	0.065 ug/L	82
59) 1,2,3-Trichloropropane	11.84	75	18895	0.901 ug/L	96
62) 1,3-Dichlorobenzene	11.78	146	7565	0.171 ug/L	92
63) 1,4-Dichlorobenzene	11.86	146	8731	0.198 ug/L	95
65) 1,2-Dichlorobenzene	12.24	146	8012	0.189 ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	7640	0.252 ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	6350	0.391 ug/L	95
69) Naphthalene	14.11	128	9113	0.493 ug/L #	93
70) 1,2,3-Trichlorobenzene	14.35	180	7477	0.465 ug/L	98

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QLast Update : Wed Dec 04 03:35:54 2019
Response via : Initial Calibration

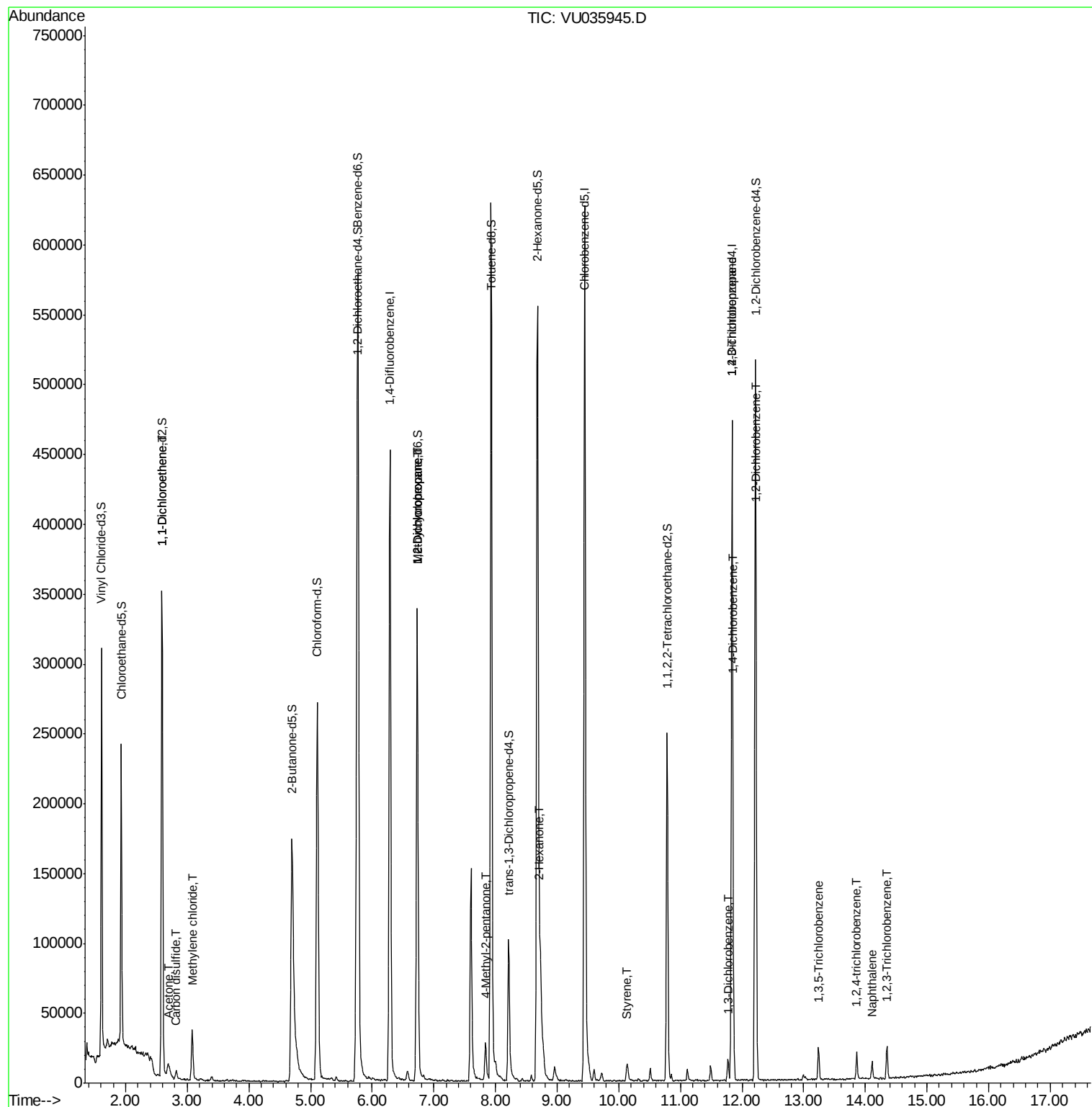
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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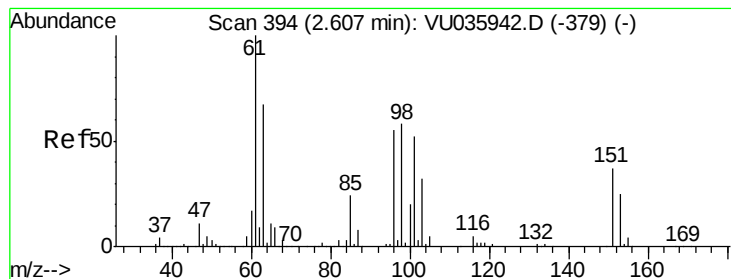
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120319\
Data File : VU035945.D
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QLast Update : Wed Dec 04 03:35:54 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.092 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

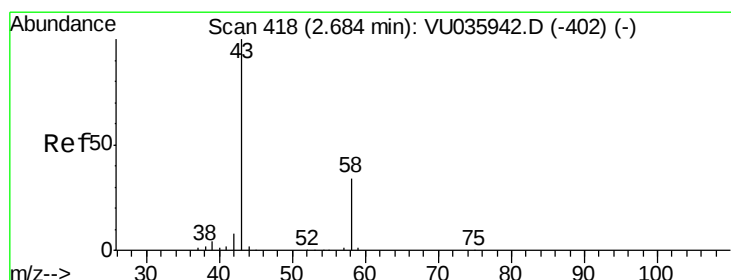
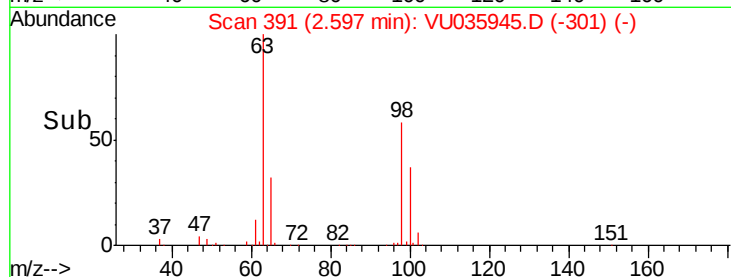
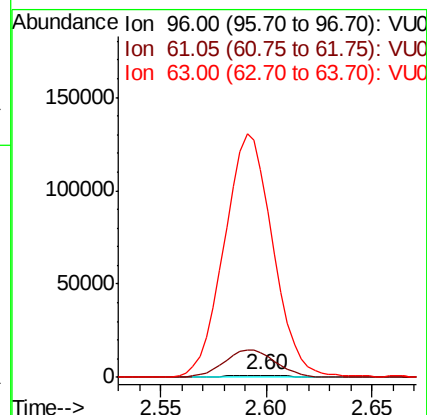
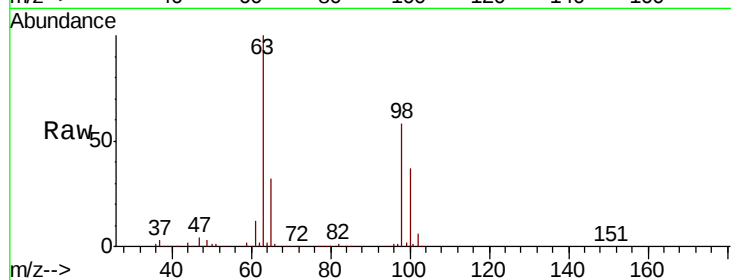
Tot Ion: 96 Resp: 2425

Ion Ratio Lower Upper

96 100

61 1063.8 127.1 236.1#

63 9033.3 86.0 159.8#



#13

Acetone

Concen: 2.722 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.00 min

Lab File: VU035945.D

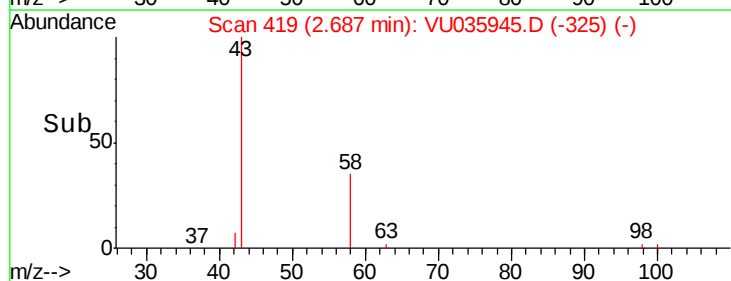
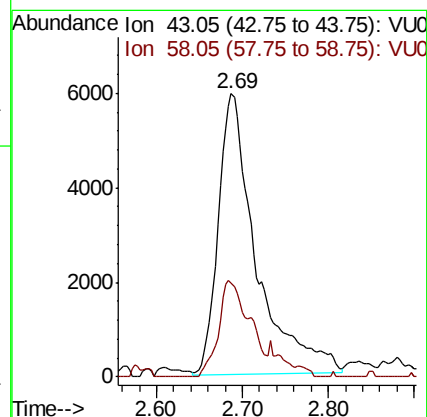
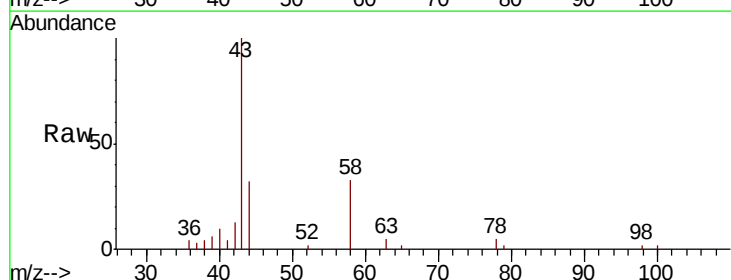
Acq: 03 Dec 2019 13:14

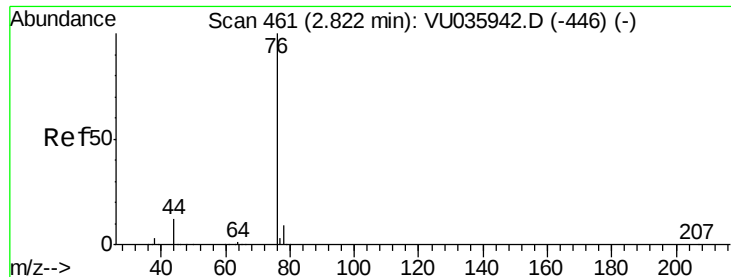
Tgt Ion: 43 Resp: 18209

Ion Ratio Lower Upper

43 100

58 28.2 0.0 68.6





#14

Carbon disulfide

Concen: 0.083 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

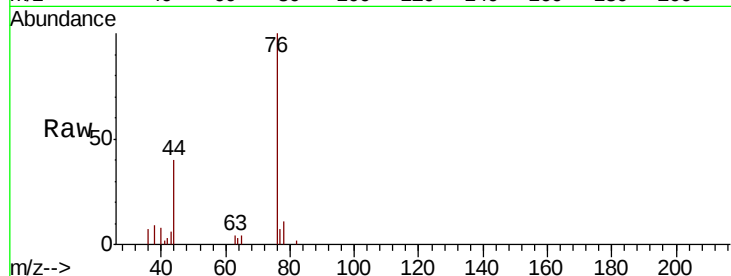
VIBLK

Tot Ion: 76 Resp: 7600

Ion Ratio Lower Upper

76 100

78 10.8 6.9 10.3#

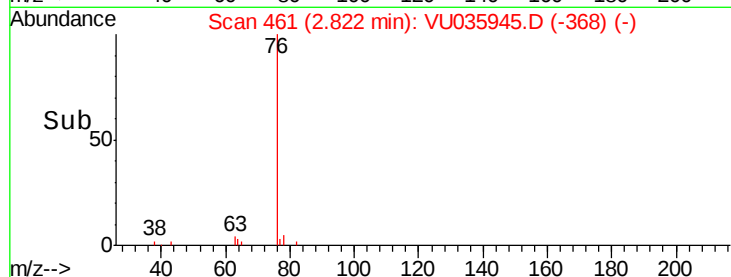


Abundance Ion 76.05 (75.75 to 76.75): VU035942.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035942.D (-446) (-)

2.82

Time-->



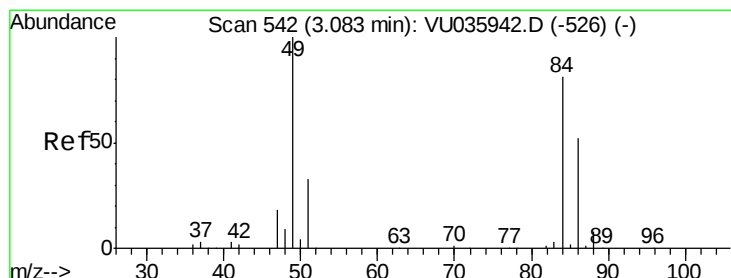
Abundance

Ion 76.05 (75.75 to 76.75): VU035942.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035942.D (-446) (-)

2.82

Time-->



#16

Methylene chloride

Concen: 0.427 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

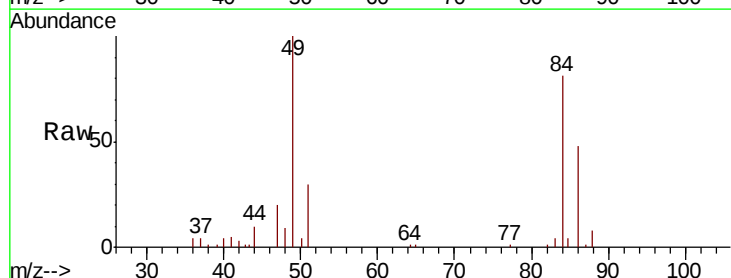
Tgt Ion: 84 Resp: 17356

Ion Ratio Lower Upper

84 100

86 59.8 44.7 82.9

49 123.3 86.2 160.2



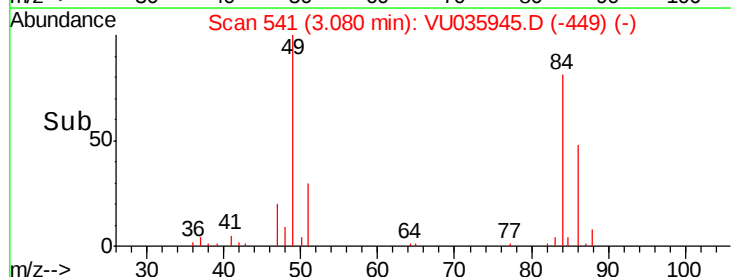
Abundance Ion 84.05 (83.75 to 84.75): VU035942.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035942.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035942.D (-526) (-)

3.08

Time-->



Abundance

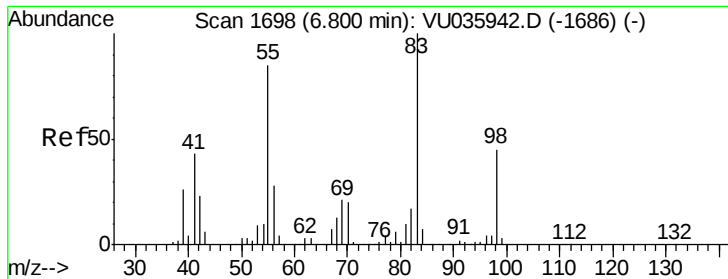
Ion 84.05 (83.75 to 84.75): VU035942.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035942.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035942.D (-526) (-)

3.08

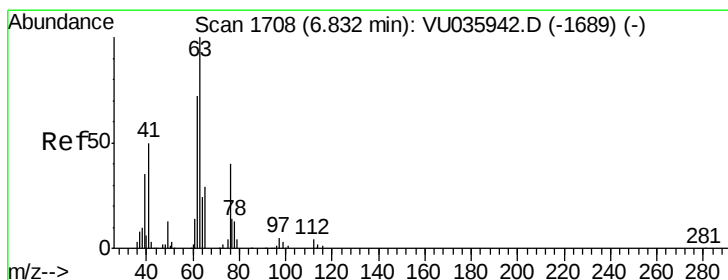
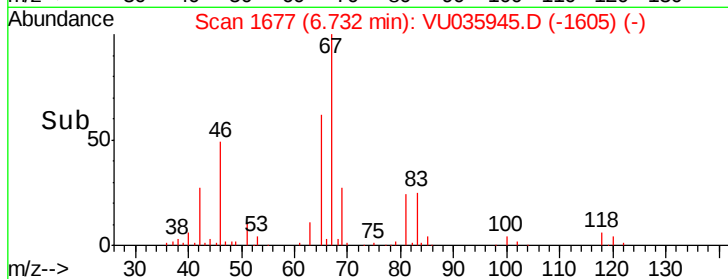
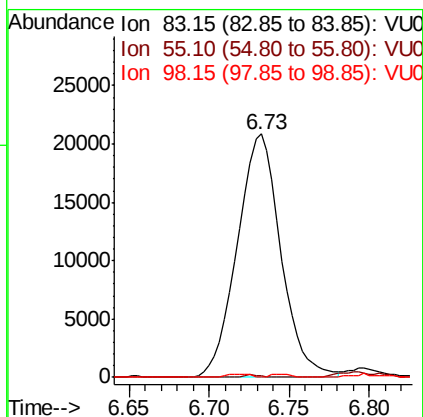
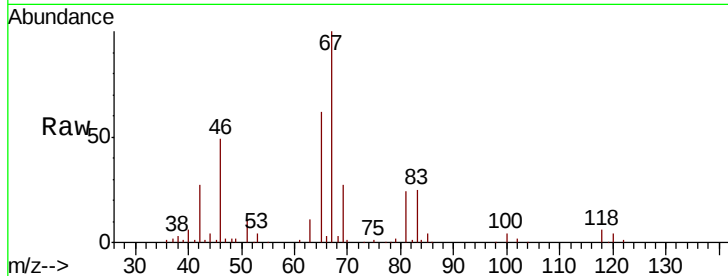
Time-->



#35
Methvlcvclohexane
Concen: 0.858 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035945.D
Acq: 03 Dec 2019 13:14

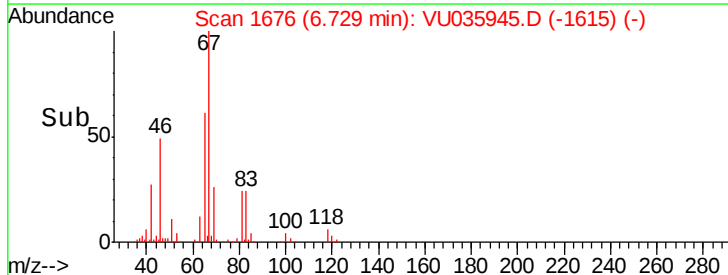
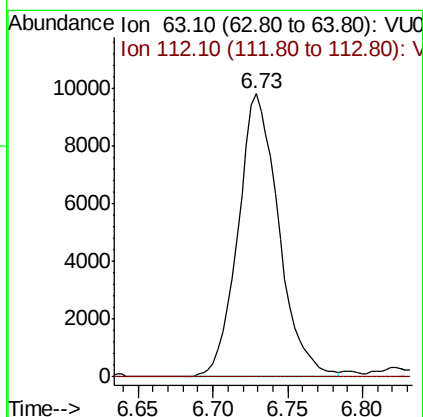
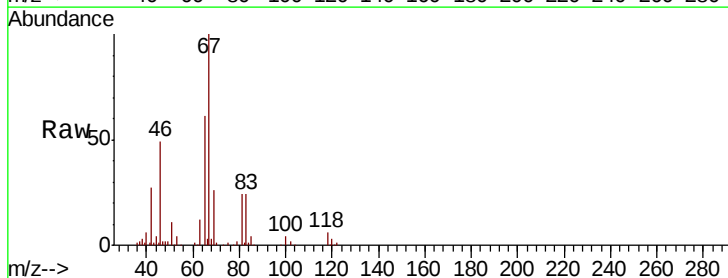
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

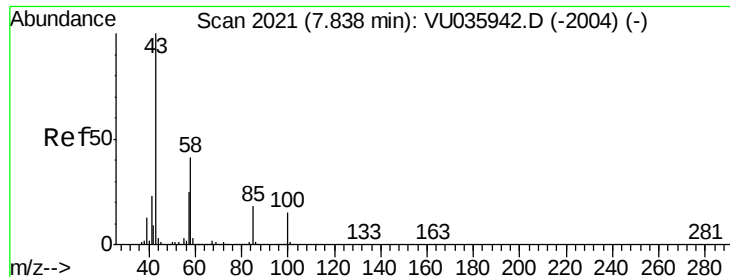
Tot Ion: 83 Resp: 38752
Ion Ratio Lower Upper
83 100
55 0.0 67.4 101.0#
98 0.6 34.6 52.0#



#37
1,2-Dichloropropane
Concen: 0.575 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.10 min
Lab File: VU035945.D
Acq: 03 Dec 2019 13:14

Tgt Ion: 63 Resp: 18558
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#

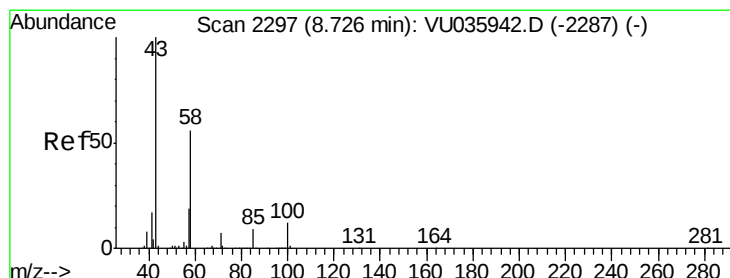
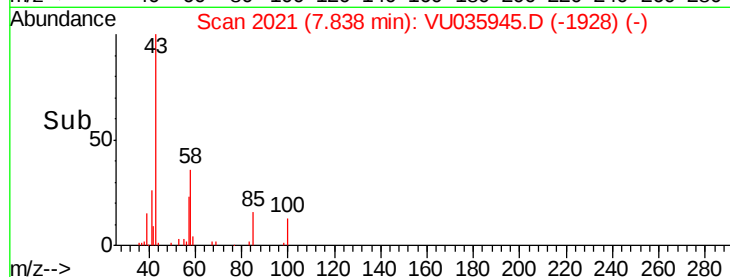
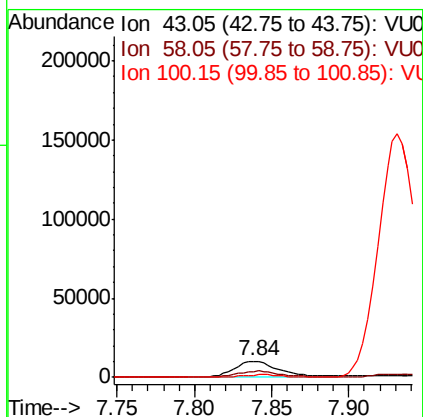
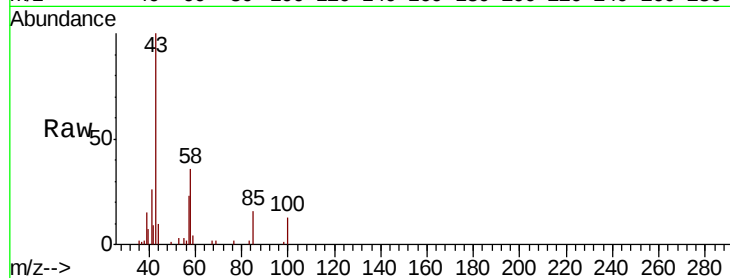




#40
4-Methyl-2-pentanone
Concen: 1.104 ug/L
RT: 7.84 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VU035945.D
Acq: 03 Dec 2019 13:14

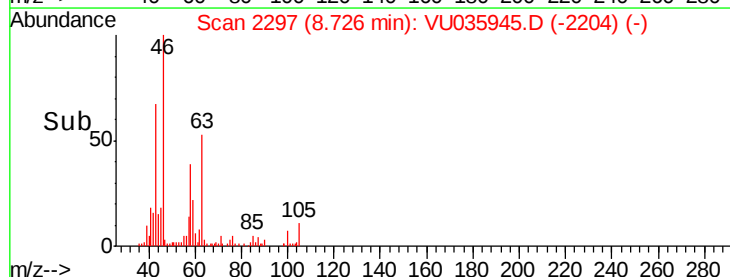
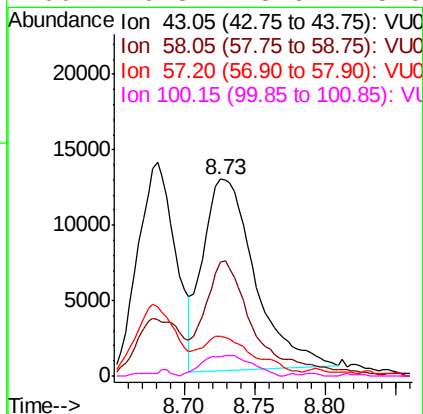
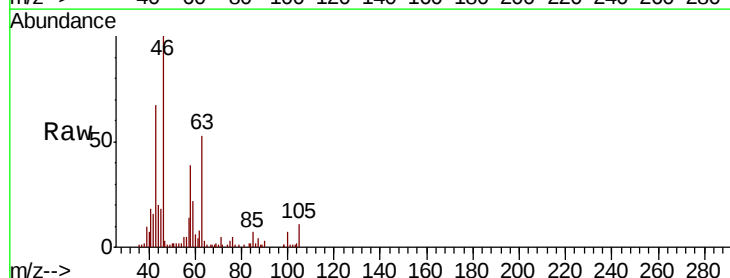
Instrument :
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ClientSampleId :
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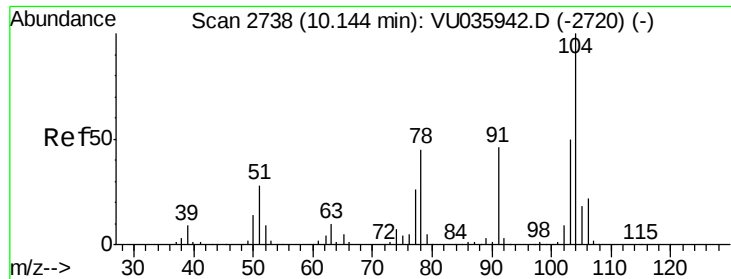
Tot Ion: 43 Resp: 20927
Ion Ratio Lower Upper
43 100
58 38.1 32.3 48.5
100 0.0 11.7 17.5#



#48
2-Hexanone
Concen: 2.340 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035945.D
Acq: 03 Dec 2019 13:14

Tgt Ion: 43 Resp: 32767
Ion Ratio Lower Upper
43 100
58 56.0 45.4 68.2
57 21.2 14.9 22.3
100 10.3 8.6 13.0





#55

Stvrene

Concen: 0.065 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

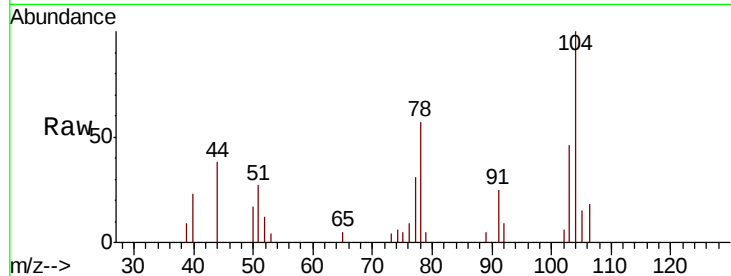
VIBLK

Tot Ion:104 Resp: 4858

Ion Ratio Lower Upper

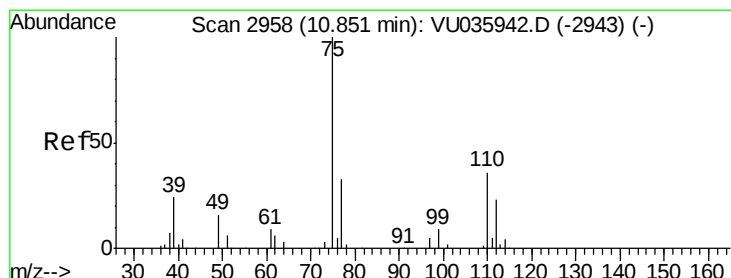
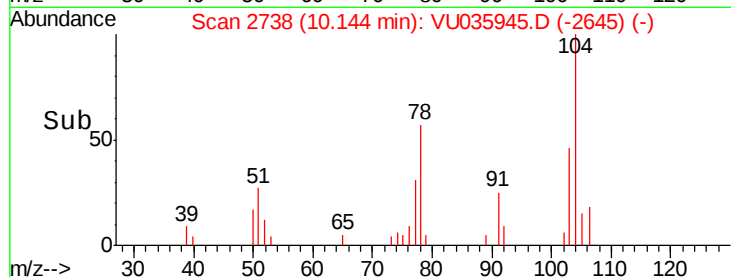
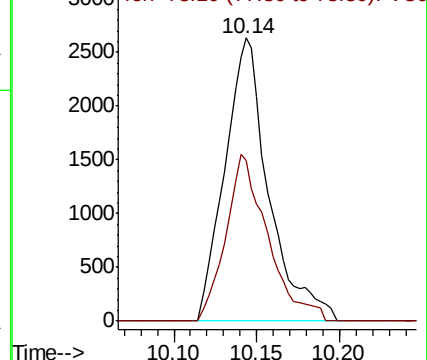
104 100

78 56.5 31.2 58.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#59

1,2,3-Trichloropropane

Concen: 0.901 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035945.D

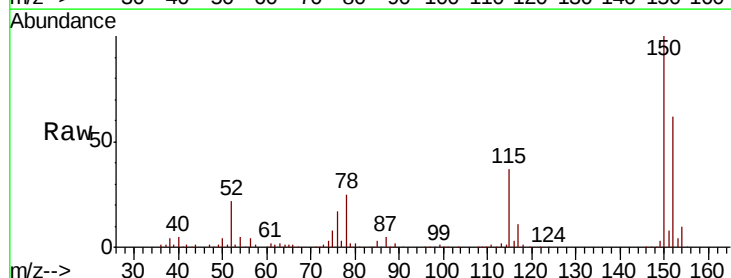
Acq: 03 Dec 2019 13:14

Tgt Ion: 75 Resp: 18895

Ion Ratio Lower Upper

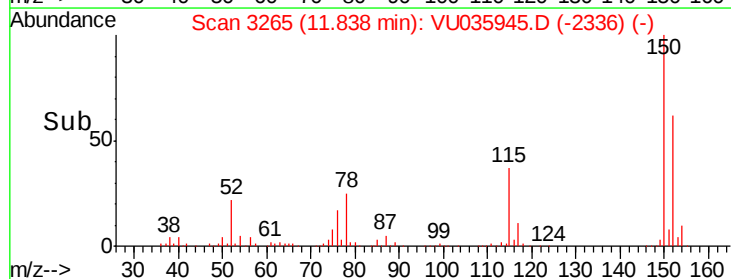
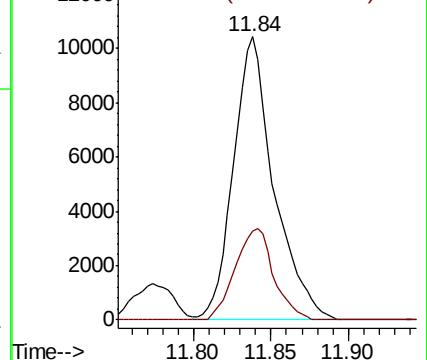
75 100

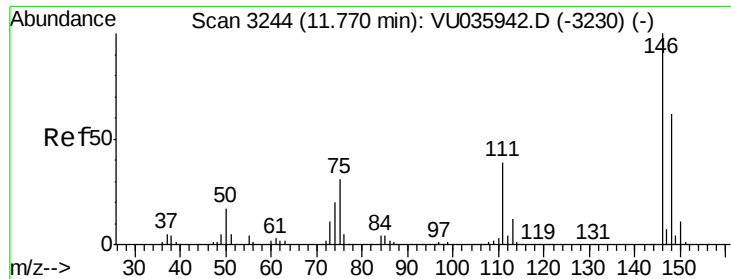
77 30.7 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 0.171 ug/L

RT: 11.78 min Scan# 3246

Delta R.T. 0.01 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

Instrument :

MSVOA_U

ClientSampled :

VIBLK

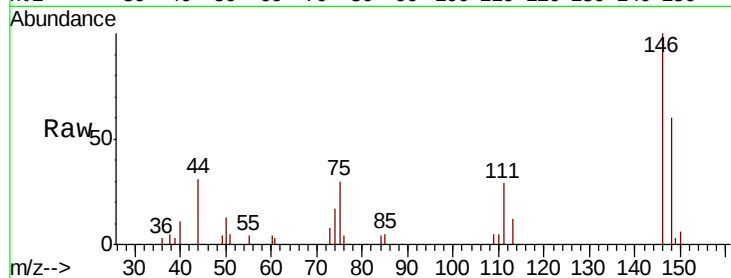
Tot Ion:146 Resp: 7565

Ion Ratio Lower Upper

146 100

111 29.0 27.6 51.4

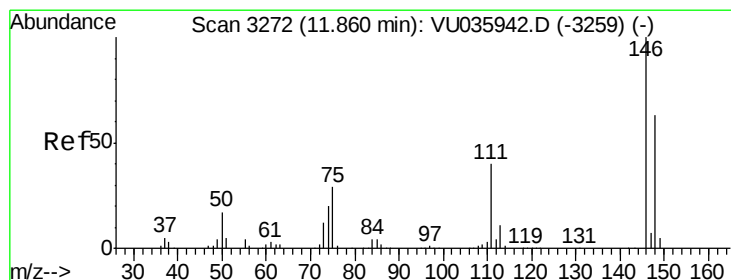
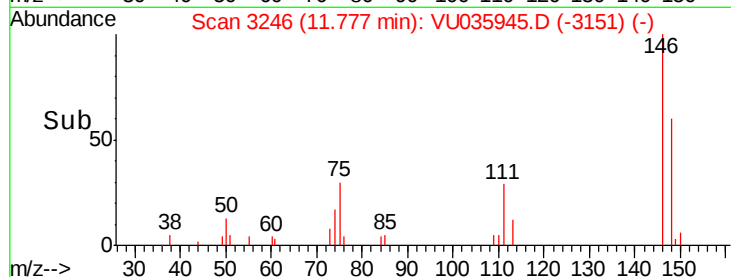
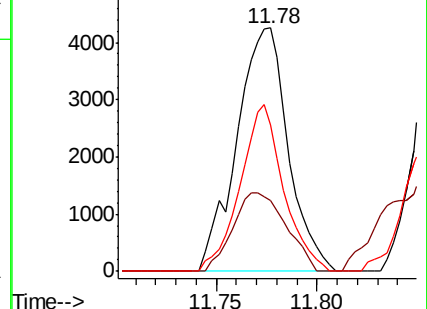
148 60.3 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.198 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

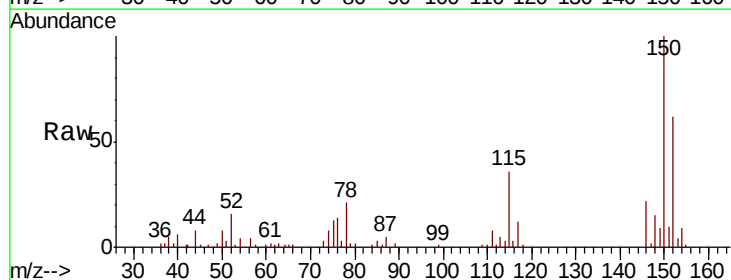
Tgt Ion:146 Resp: 8731

Ion Ratio Lower Upper

146 100

111 35.5 28.5 52.9

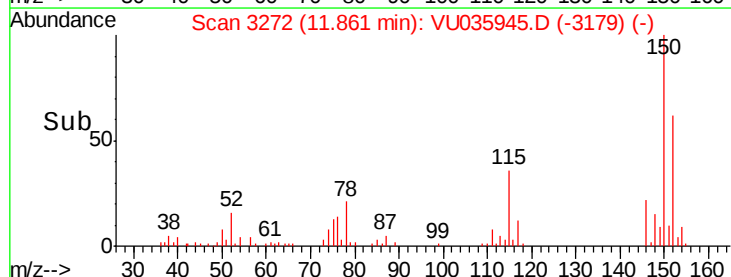
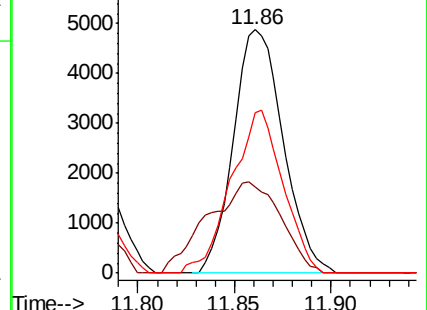
148 65.9 44.4 82.5

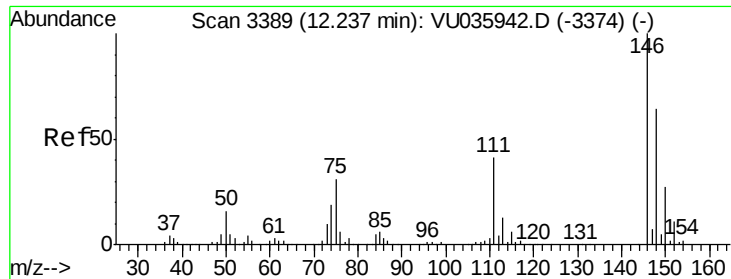


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.189 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

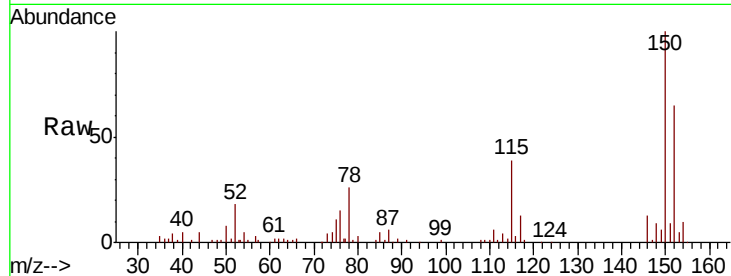
Tot Ion:146 Resp: 8012

Ion Ratio Lower Upper

146 100

111 46.1 32.6 48.8

148 68.8 50.9 76.3

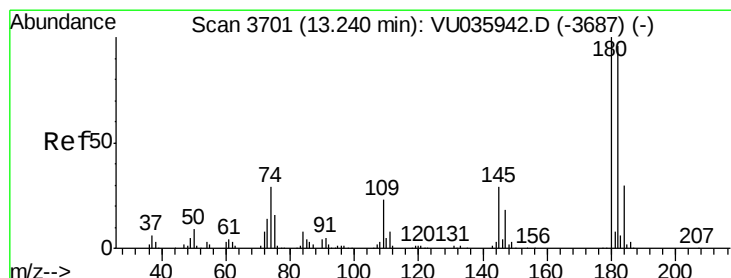
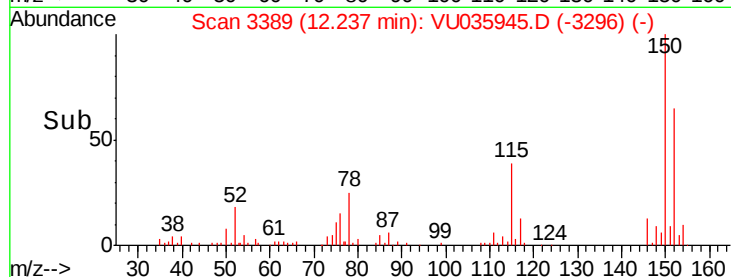
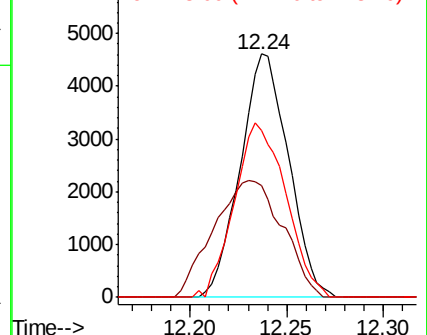


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.252 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VU035945.D

Acq: 03 Dec 2019 13:14

Tgt Ion:180 Resp: 7640

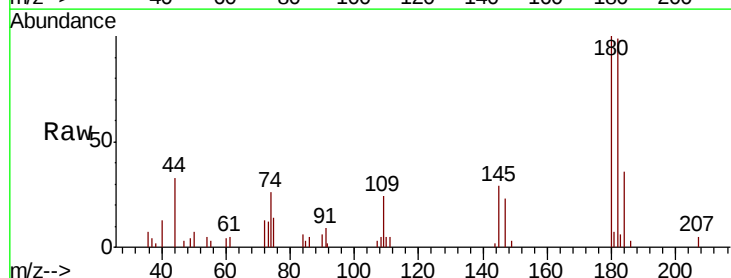
Ion Ratio Lower Upper

180 100

182 95.8 77.2 115.8

184 30.7 24.5 36.7

145 25.8 23.0 34.6



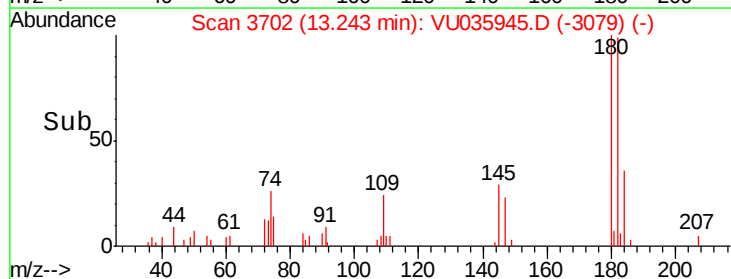
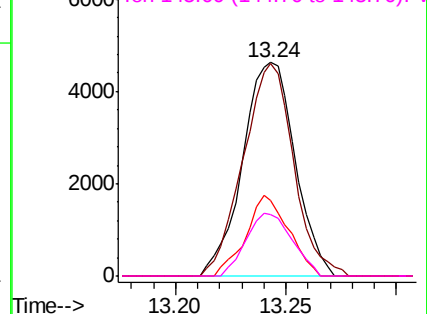
Abundance

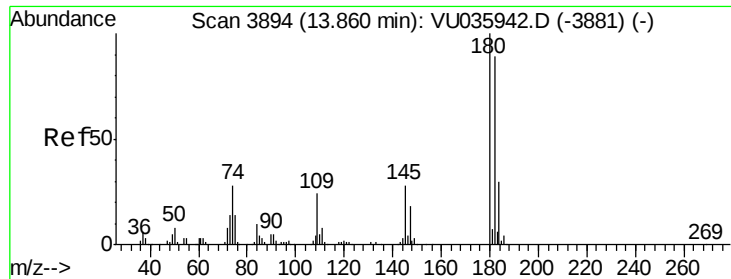
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

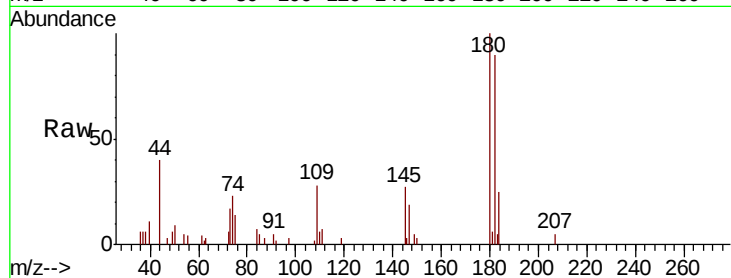




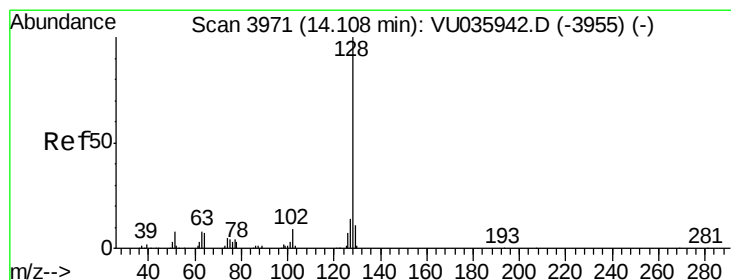
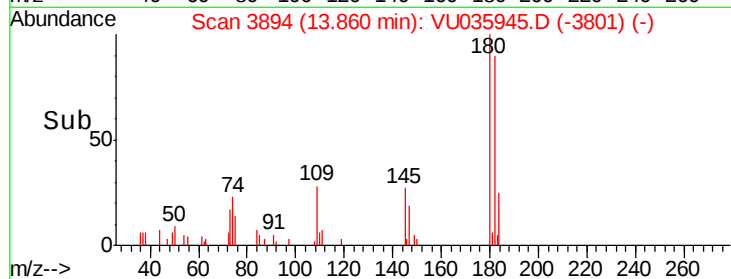
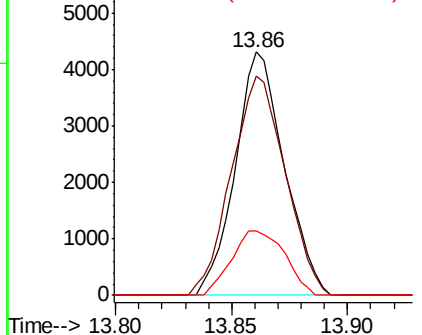
#68
 1,2,4-trichlorobenzene
 Concen: 0.391 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035945.D
 Acq: 03 Dec 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Tot Ion:180 Resp: 6350
 Ion Ratio Lower Upper
 180 100
 182 98.7 74.5 111.7
 145 28.6 23.4 35.0

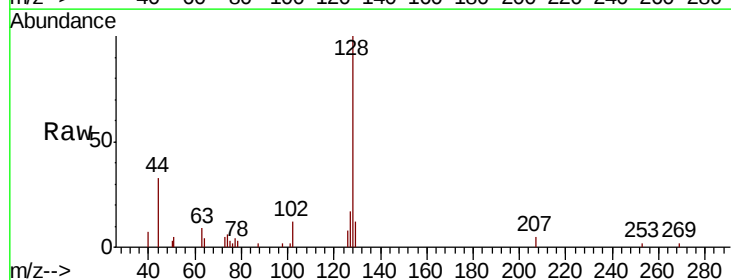


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

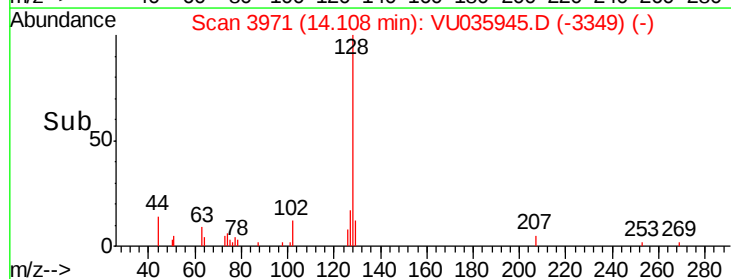
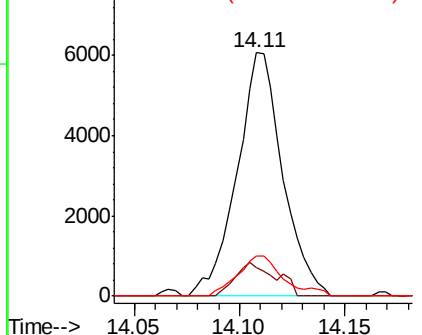


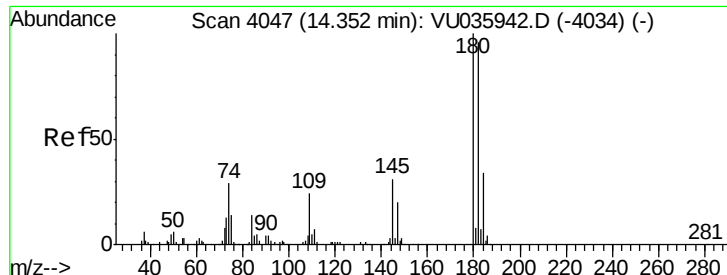
#69
 Naphthalene
 Concen: 0.493 ug/L
 RT: 14.11 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VU035945.D
 Acq: 03 Dec 2019 13:14

Tgt Ion:128 Resp: 9113
 Ion Ratio Lower Upper
 128 100
 129 12.2 8.4 12.6
 127 16.5 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.465 ug/L
 RT: 14.35 min Scan# 4046
 Delta R.T. -0.00 min
 Lab File: VU035945.D
 Acq: 03 Dec 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Tot Ion:180 Resp: 7477
 Ion Ratio Lower Upper
 180 100
 182 91.3 74.6 112.0
 145 29.0 24.3 36.5

