

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110220\
 Data File : VU041044.D
 Acq On : 02 Nov 2020 12:42
 Operator : SY/MD
 Sample : L4550-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 03 00:47:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	49617	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	50384	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22681	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21259	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.92	69	16398	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.58	63	30968	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.64	46	88846	64.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.44%
24) Chloroform-d	5.08	84	37884	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	25853	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.74	84	71837	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.70	67	24856	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.91	98	60621	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.19	79	10176	5.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.00%
46) 2-Hexanone-d5	8.64	63	63198	61.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23093	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	23778	5.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.60%

Target Compounds

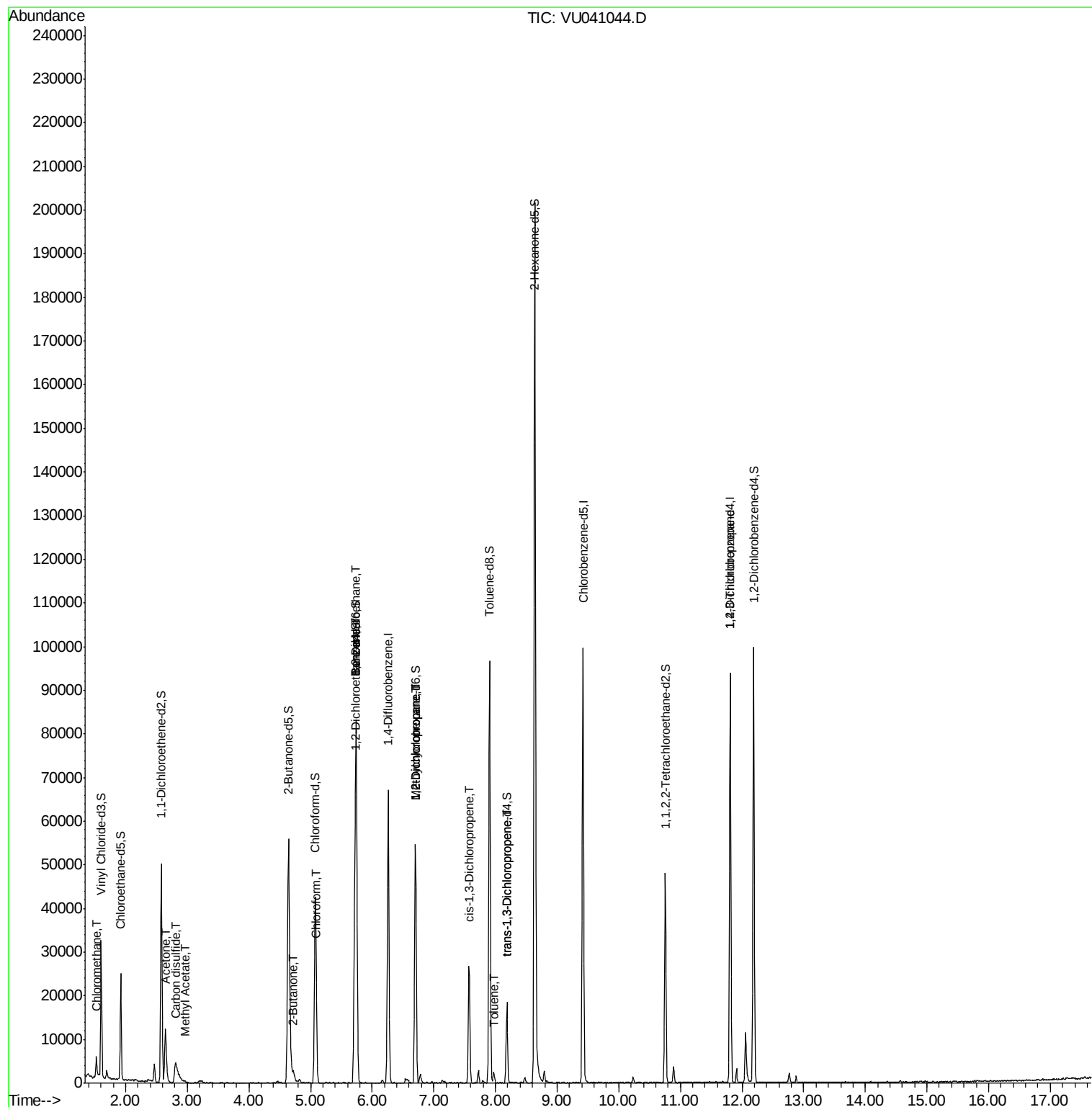
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2811	0.595	ug/L	98
13) Acetone	2.65	43	16660	17.752	ug/L #	57
14) Carbon disulfide	2.81	76	1839	0.157	ug/L #	74
15) Methyl Acetate	2.96	43	500	0.233	ug/L #	53
21) 2-Butanone	4.73	43	3302	2.251	ug/L	81
25) Chloroform	5.11	83	554	0.078	ug/L	91
27) 1,2-Dichloroethane	5.74	62	447	0.084	ug/L #	74
33) Benzene	5.74	78	434	0.029	ug/L	100
35) Methylcyclohexane	6.70	83	5663	0.991	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2883	0.708	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	685	0.122	ug/L #	81
42) Toluene	7.97	91	2041	0.134	ug/L	97
44) trans-1,3-Dichloropropene	8.18	75	423	0.081	ug/L	84
59) 1,2,3-Trichloropropane	11.81	75	3157	1.040	ug/L #	86

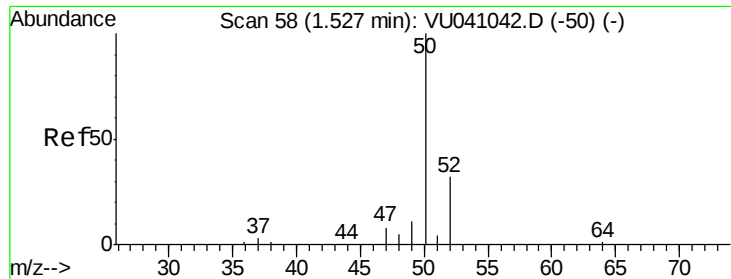
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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Quant Time: Nov 03 00:47:59 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 03 00:40:40 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.595 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041044.D

Acq: 02 Nov 2020 12:42

Instrument :

MSVOA_U

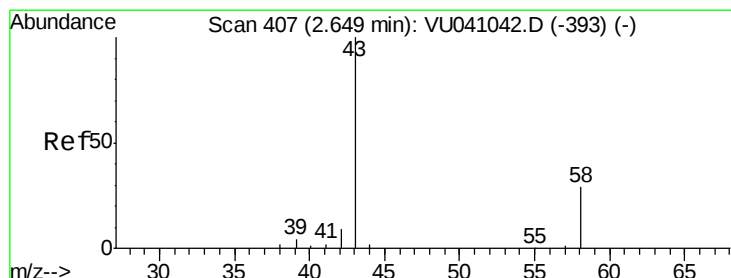
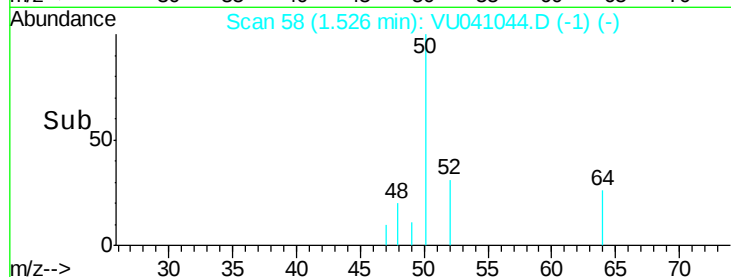
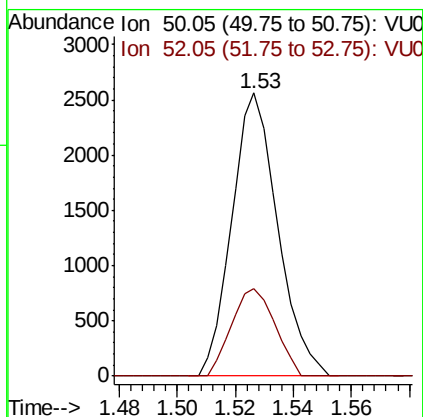
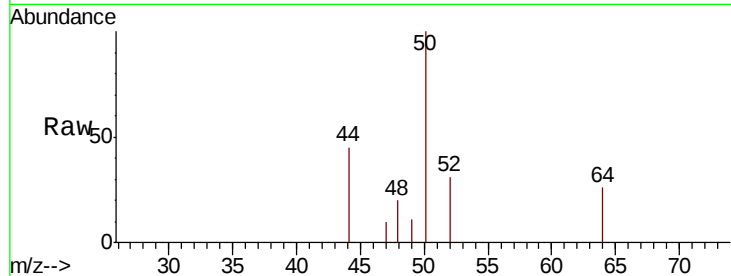
ClientSampled :

Tot Ion: 50 Resp: 2811

Ion Ratio Lower Upper

50 100

52 30.7 22.4 41.6



#13

Acetone

Concen: 17.752 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU041044.D

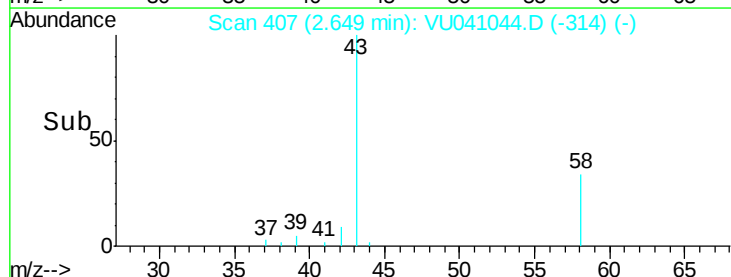
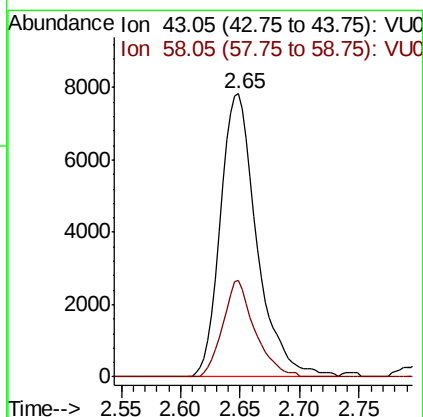
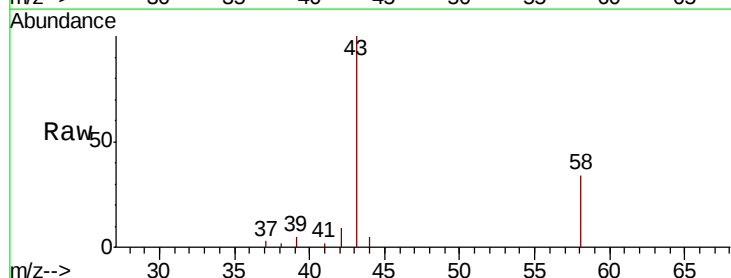
Acq: 02 Nov 2020 12:42

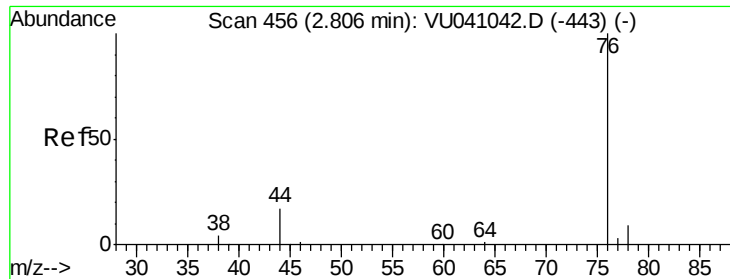
Tgt Ion: 43 Resp: 16660

Ion Ratio Lower Upper

43 100

58 29.9 0.0 25.4#





#14

Carbon disulfide

Concen: 0.157 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041044.D

Acq: 02 Nov 2020 12:42

Instrument :

MSVOA_U

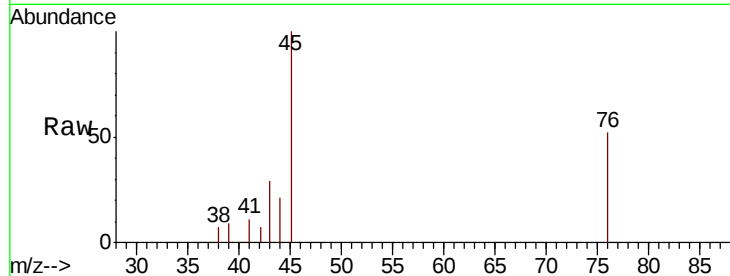
ClientSampled :

Tot Ion: 76 Resp: 1839

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

1200

1000

800

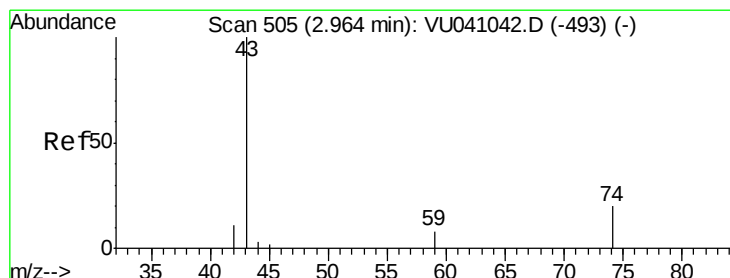
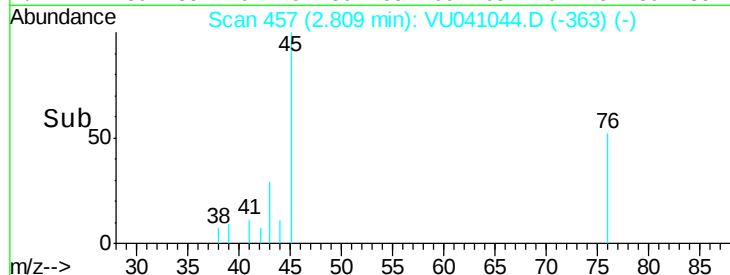
600

400

200

0

Time--> 2.75 2.80 2.85



#15

Methyl Acetate

Concen: 0.233 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU041044.D

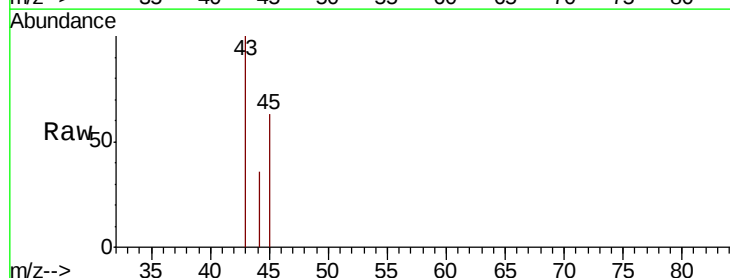
Acq: 02 Nov 2020 12:42

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

300

250

200

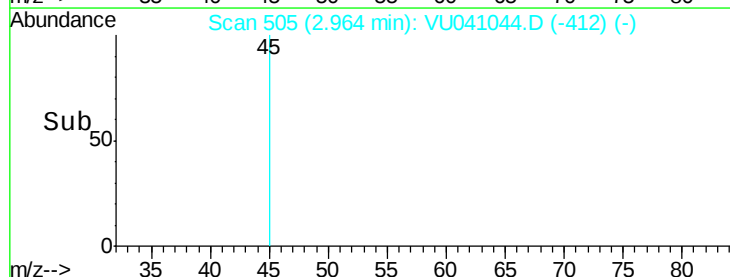
150

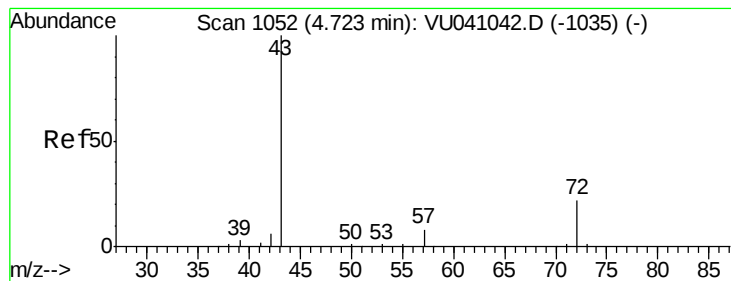
100

50

0

Time--> 2.92 2.94 2.96 2.98 3.00





#21

2-Butanone

Concen: 2.251 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VU041044.D

Acq: 02 Nov 2020 12:42

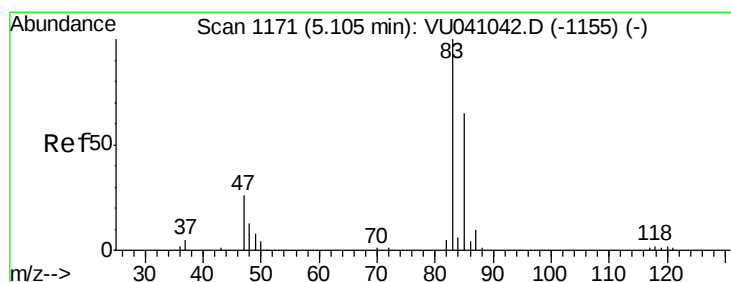
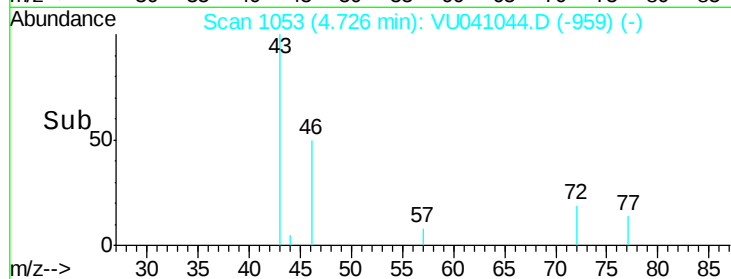
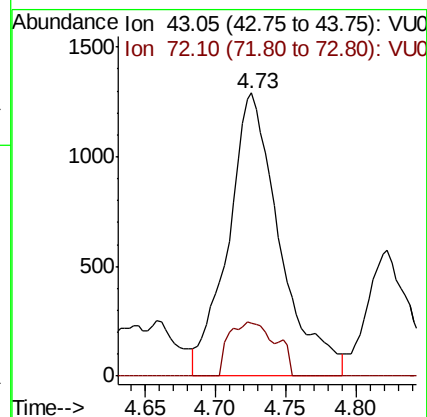
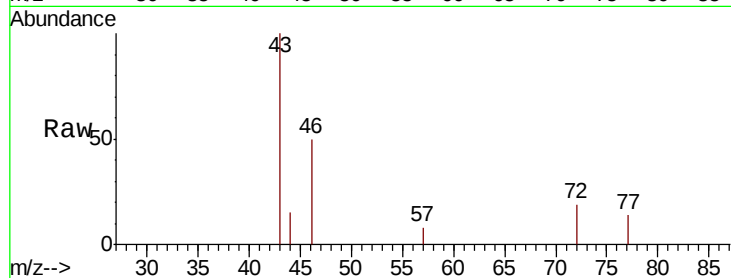
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3302

Ion Ratio Lower Upper

43 100

72 14.5 11.8 35.4



#25

Chloroform

Concen: 0.078 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041044.D

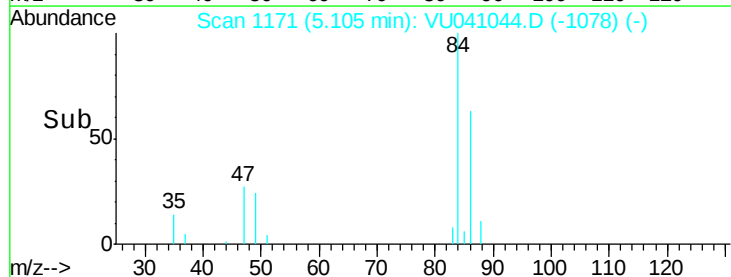
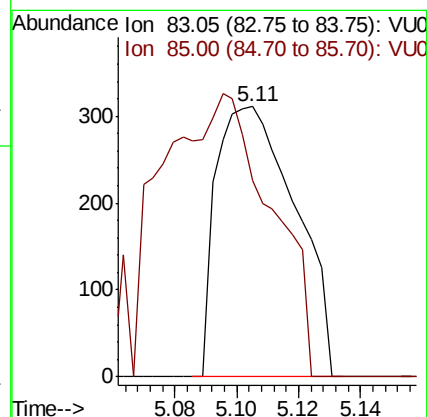
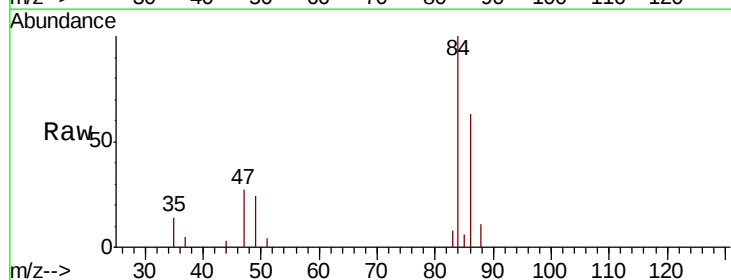
Acq: 02 Nov 2020 12:42

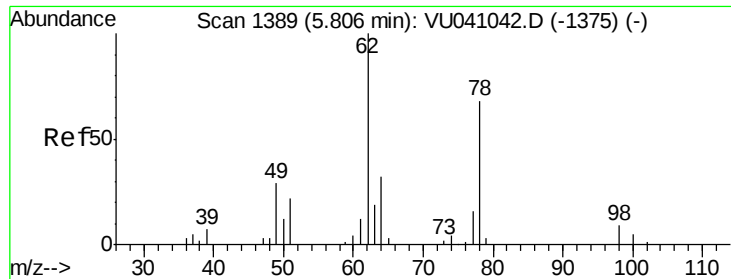
Tgt Ion: 83 Resp: 554

Ion Ratio Lower Upper

83 100

85 72.7 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.084 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041044.D

Acq: 02 Nov 2020 12:42

Instrument :

MSVOA_U

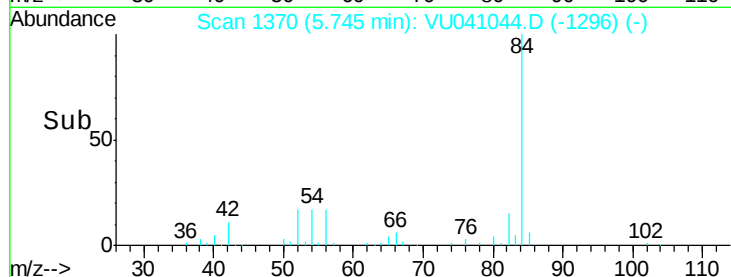
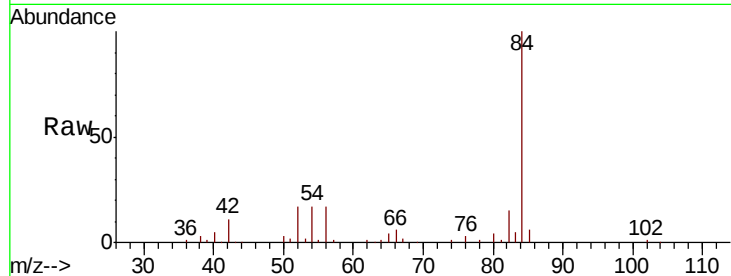
ClientSampled :

Tot Ion: 62 Resp: 447

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

250

200

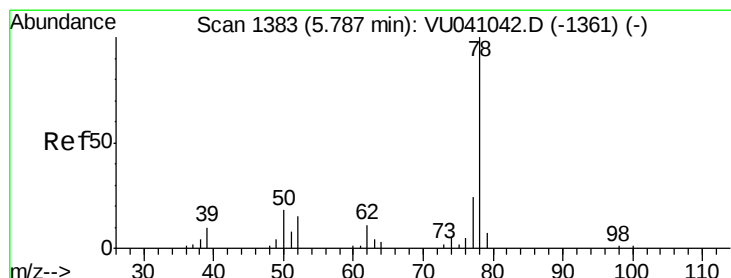
150

100

50

0

Time--> 5.70 5.72 5.74 5.76 5.78



#33

Benzene

Concen: 0.029 ug/L

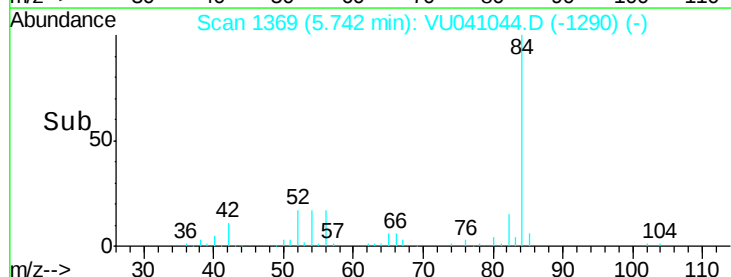
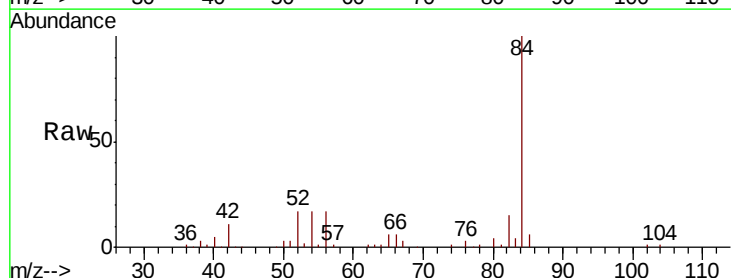
RT: 5.74 min Scan# 1369

Delta R.T. -0.05 min

Lab File: VU041044.D

Acq: 02 Nov 2020 12:42

Tgt Ion: 78 Resp: 434



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.74

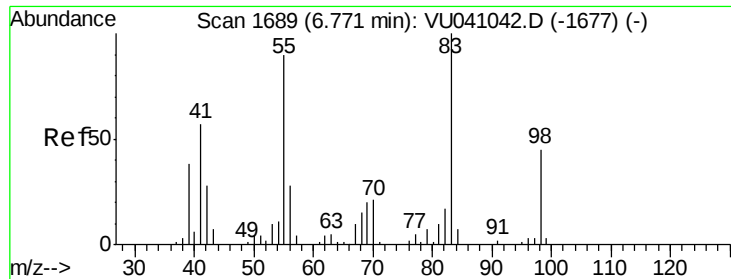
300

200

100

0

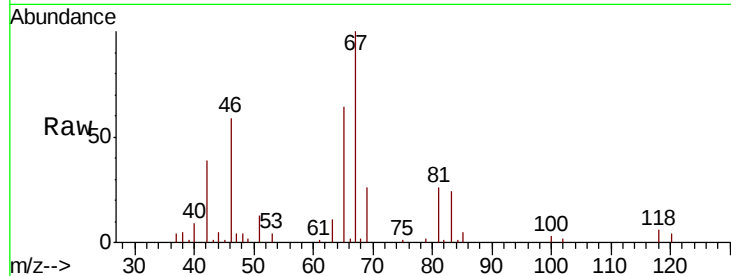
Time--> 5.70 5.72 5.74 5.76



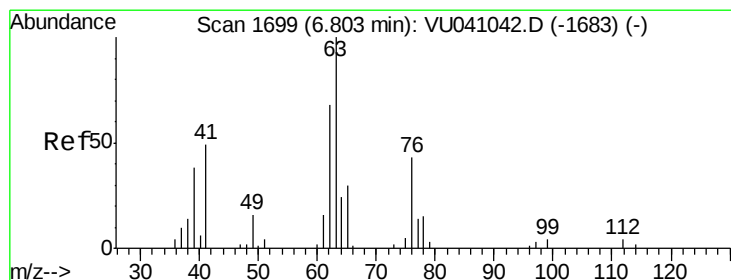
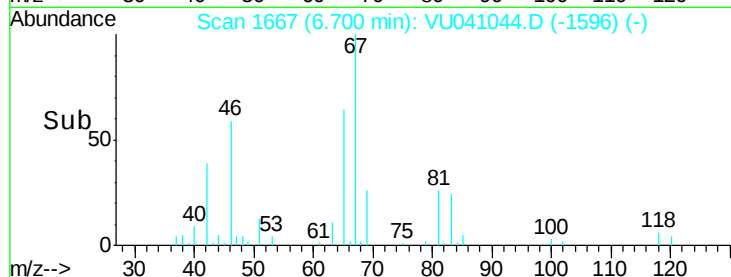
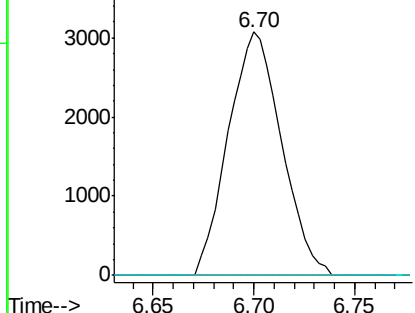
#35
Methvlcvclohexane
Concen: 0.991 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041044.D
Acq: 02 Nov 2020 12:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 5663
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.5 36.6 55.0#

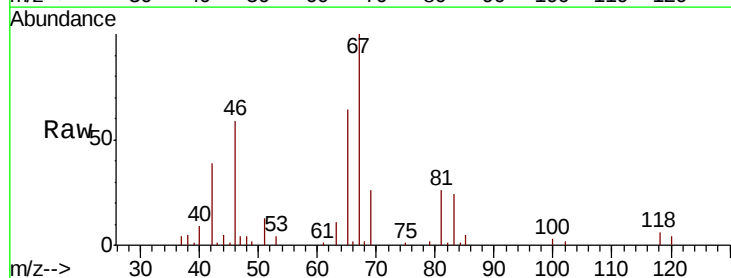


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

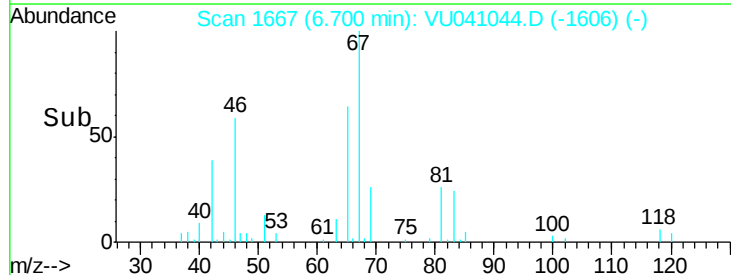
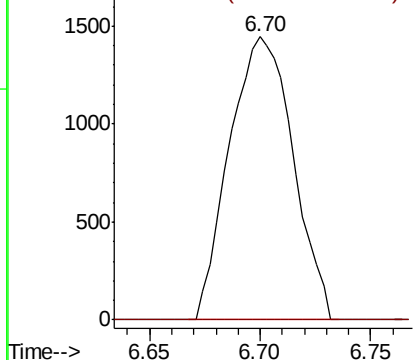


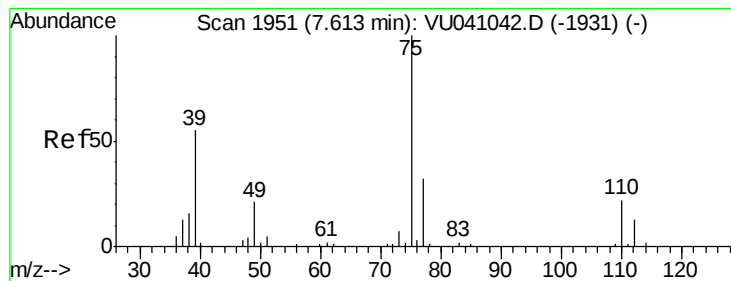
#37
1,2-Dichloropropane
Concen: 0.708 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041044.D
Acq: 02 Nov 2020 12:42

Tgt Ion: 63 Resp: 2883
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



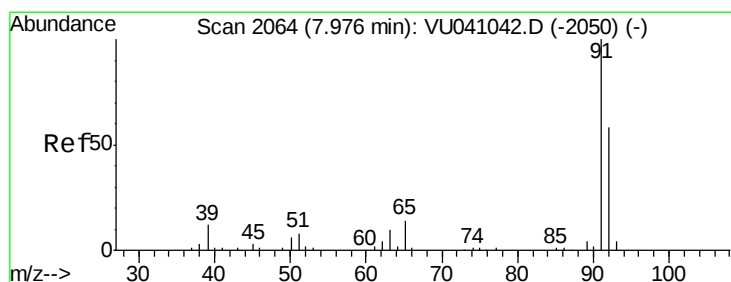
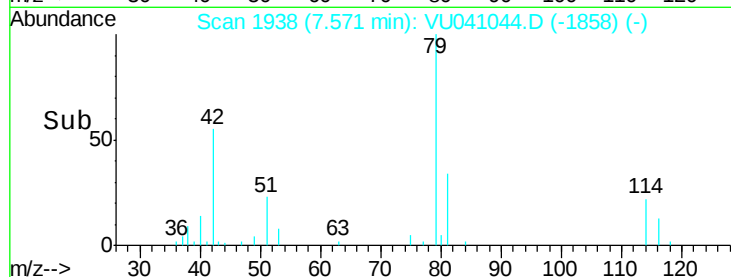
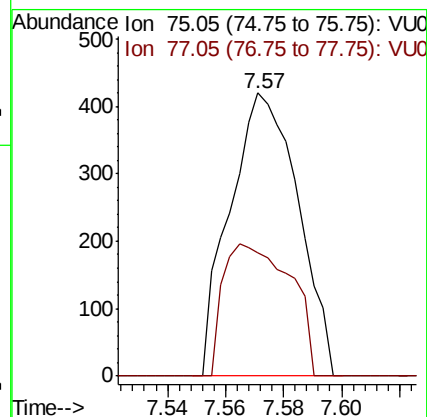
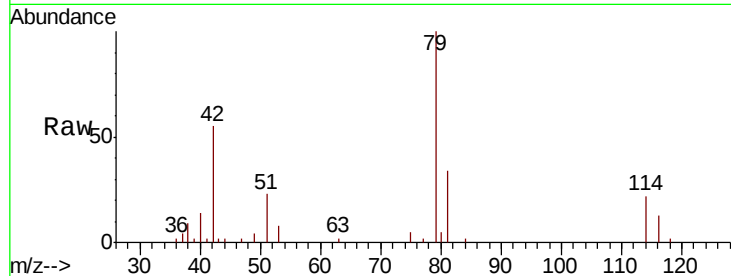


#39

cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041044.D
 Acq: 02 Nov 2020 12:42

Instrument :
 MSVOA_U
 ClientSampleId :

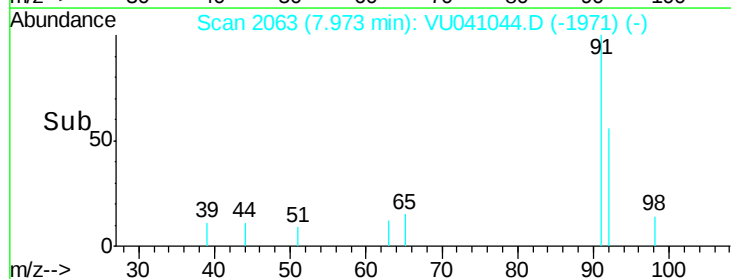
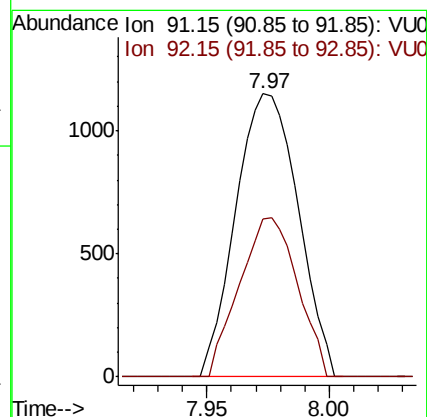
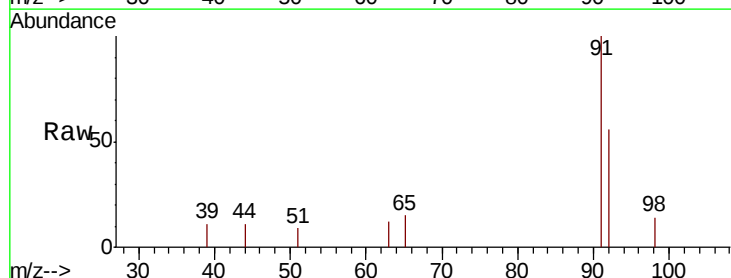
Tot Ion: 75 Resp: 685
 Ion Ratio Lower Upper
 75 100
 77 43.3 22.7 42.3#

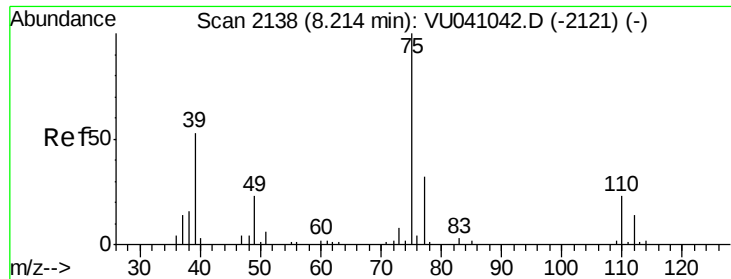


#42

Toluene
 Concen: 0.134 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU041044.D
 Acq: 02 Nov 2020 12:42

Tgt Ion: 91 Resp: 2041
 Ion Ratio Lower Upper
 91 100
 92 55.6 40.6 75.4

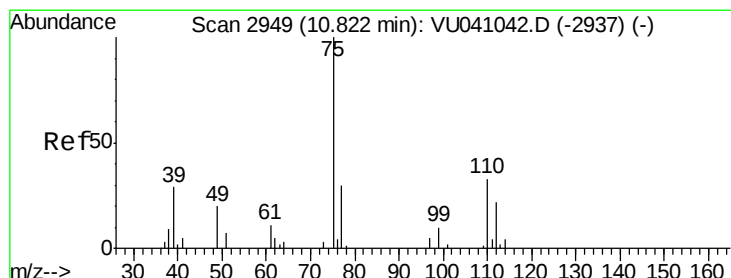
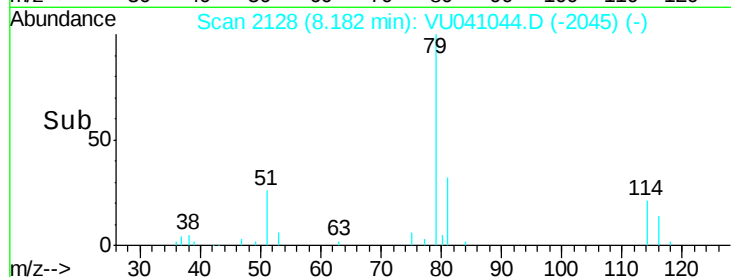
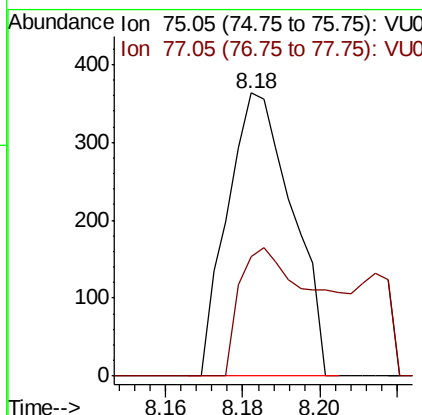
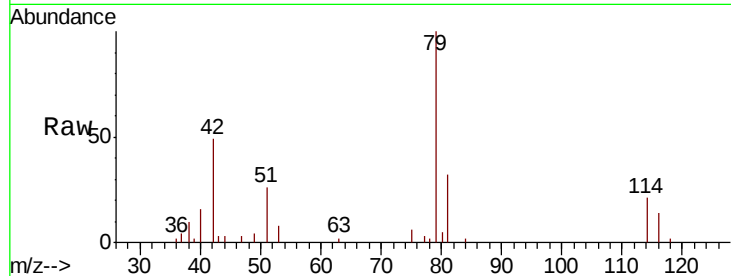




#44
trans-1,3-Dichloropropene
Concen: 0.081 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041044.D
Acq: 02 Nov 2020 12:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 423
Ion Ratio Lower Upper
75 100
77 42.4 23.3 43.3



#59
1,2,3-Trichloropropane
Concen: 1.040 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041044.D
Acq: 02 Nov 2020 12:42

Tgt Ion: 75 Resp: 3157
Ion Ratio Lower Upper
75 100
77 39.8 25.7 38.5#

