

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039663.D
 Acq On : 24 Jul 2020 15:05
 Operator : SY/MD
 Sample : L3422-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:49:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 25 06:47:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	185625	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	175889	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	81111	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	59445	49.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.38%
7) Chloroethane-d5	1.92	69	56973	39.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.68%
11) 1,1-Dichloroethene-d2	2.58	63	95753	37.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.86%
21) 2-Butanone-d5	4.65	46	129933	93.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.13%
24) Chloroform-d	5.09	84	129390	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
26) 1,2-Dichloroethane-d4	5.72	65	92924	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
32) Benzene-d6	5.74	84	249234	51.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.06%
36) 1,2-Dichloropropane-d6	6.71	67	81951	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.34%
41) Toluene-d8	7.91	98	225494	49.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.14%
43) trans-1,3-Dichloropropene-	8.19	79	38360	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	8.64	63	80075	91.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.66%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117318	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
64) 1,2-Dichlorobenzene-d4	12.19	152	89585	50.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.02%

Target Compounds

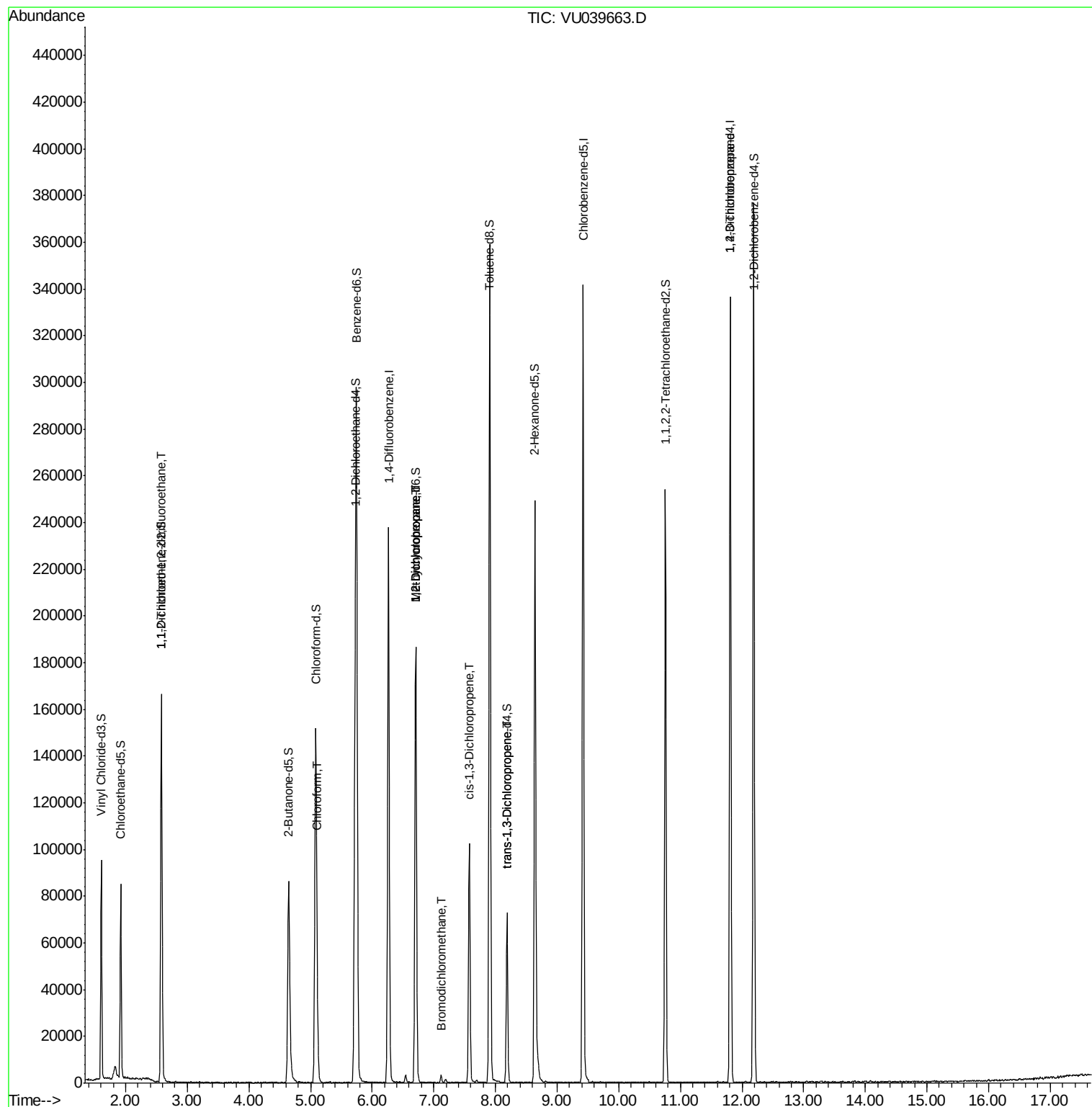
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	875	0.771	ug/L #	19
25) Chloroform	5.11	83	17205	6.746	ug/L	100
35) Methylcyclohexane	6.71	83	19176	9.672	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	10110	7.703	ug/L #	89
38) Bromodichloromethane	7.11	83	2042	1.172	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	3009	1.534	ug/L #	53
44) trans-1,3-Dichloropropene	8.18	75	1938	1.009	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	12357	6.489	ug/L	89

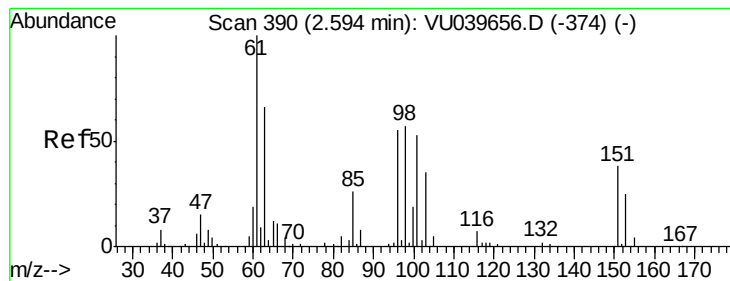
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 25 06:47:25 2020
Response via : Initial Calibration





#10

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

Concen: 0.771 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU039663.D

Acq: 24 Jul 2020 15:05

Instrument :

MSVOA_U

ClientSampleId :

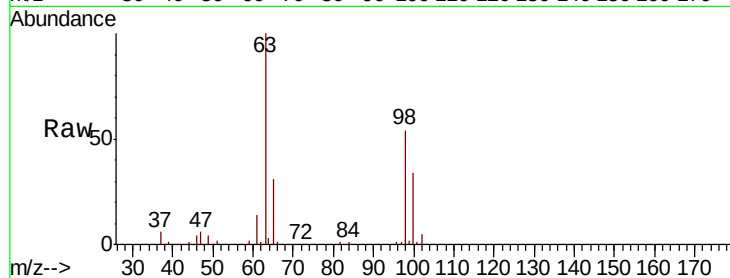
Tot Ion:101 Resp: 875

Ion Ratio Lower Upper

101 100

85 0.0 39.7 59.5#

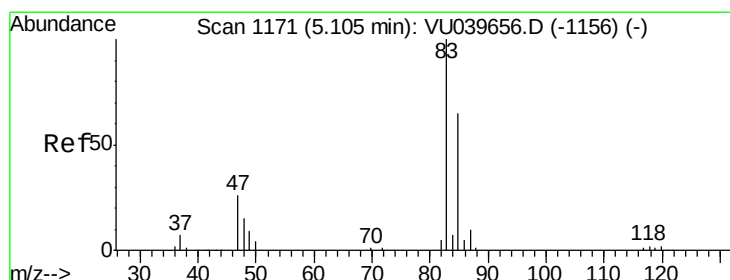
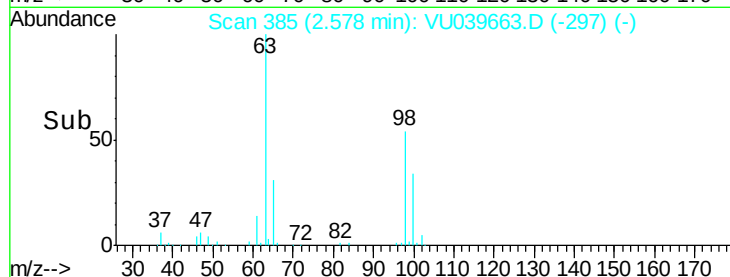
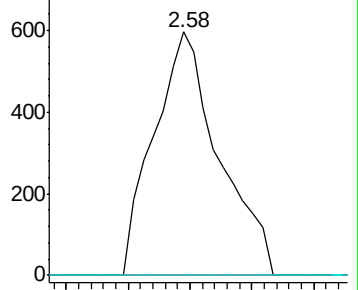
151 0.0 57.4 86.2#



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



#25

Chloroform

Concen: 6.746 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU039663.D

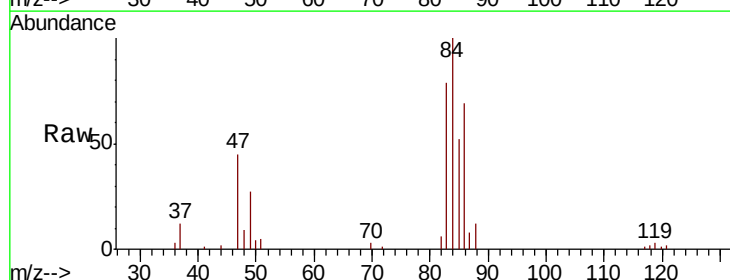
Acq: 24 Jul 2020 15:05

Tgt Ion: 83 Resp: 17205

Ion Ratio Lower Upper

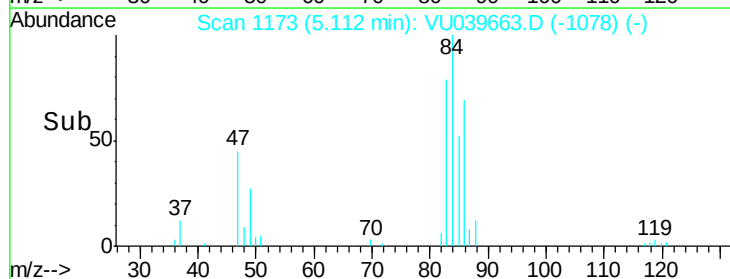
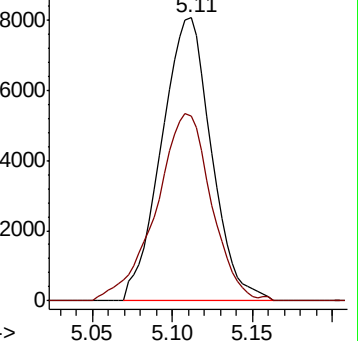
83 100

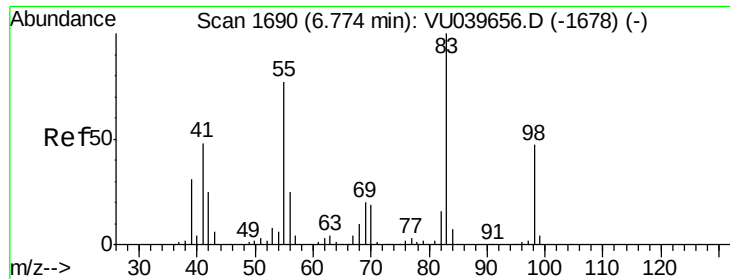
85 65.5 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

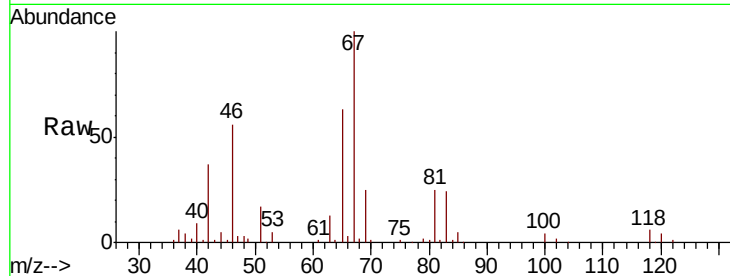




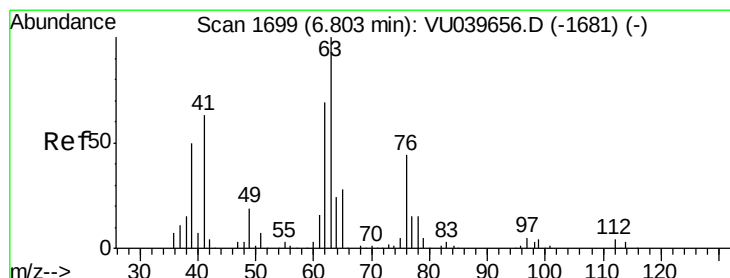
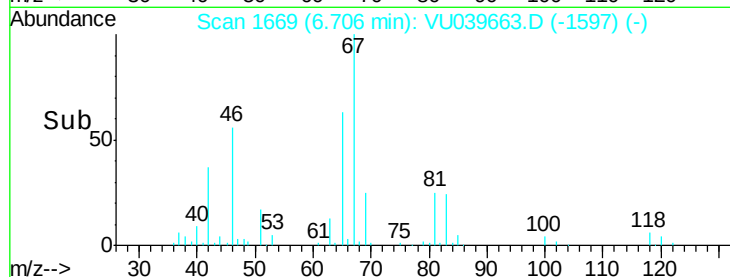
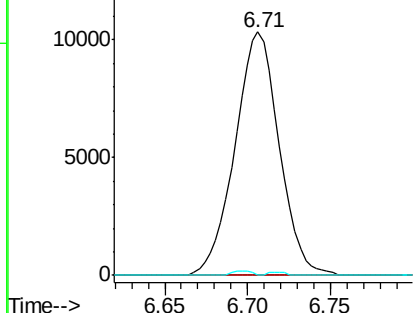
#35
Methylvlcyclohexane
Concen: 9.672 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039663.D
Acq: 24 Jul 2020 15:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 19176
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.8 36.3 54.5#

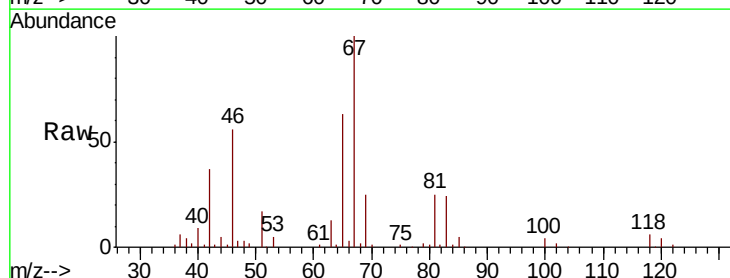


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

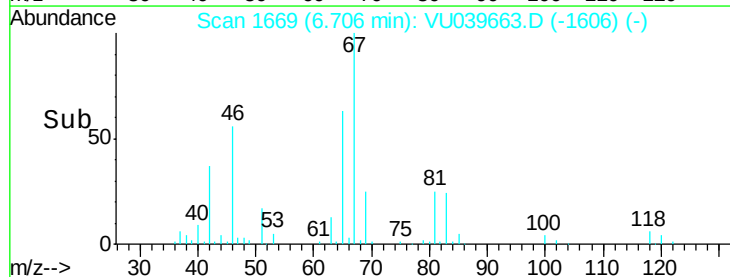
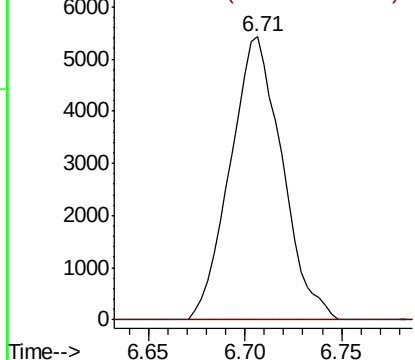


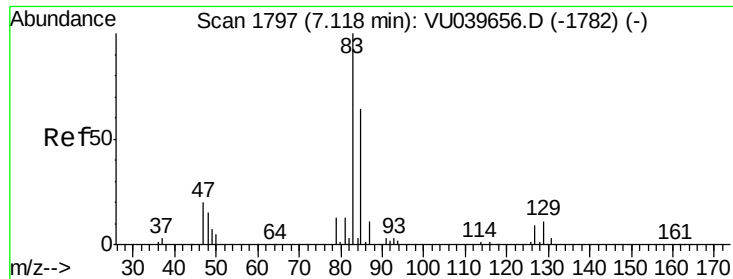
#37
1,2-Dichloropropane
Concen: 7.703 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039663.D
Acq: 24 Jul 2020 15:05

Tgt Ion: 63 Resp: 10110
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 1.172 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU039663.D

Acq: 24 Jul 2020 15:05

Instrument :

MSVOA_U

ClientSampled :

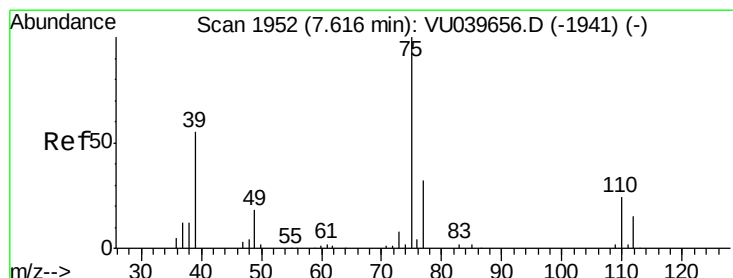
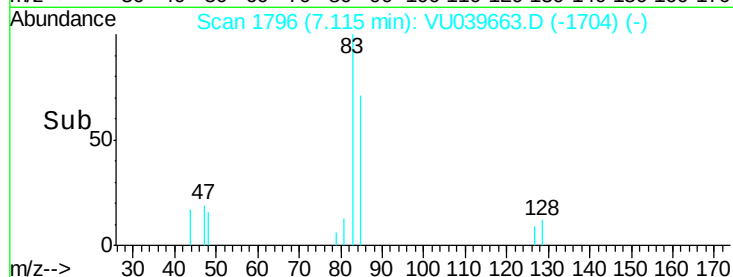
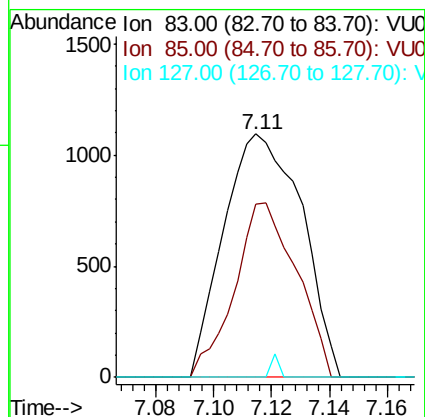
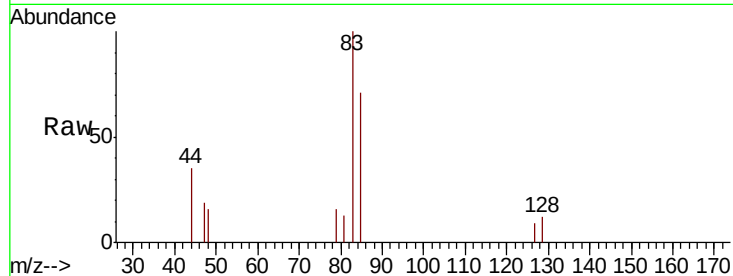
Tot Ion: 83 Resp: 2042

Ion Ratio Lower Upper

83 100

85 71.0 45.9 85.3

127 0.0 7.4 11.2#



#39

cis-1,3-Dichloropropene

Concen: 1.534 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039663.D

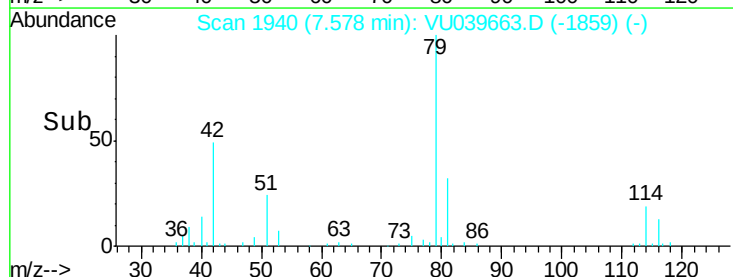
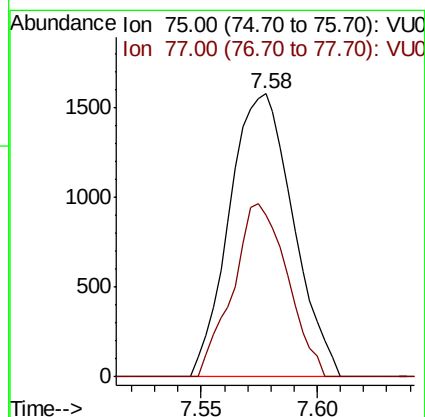
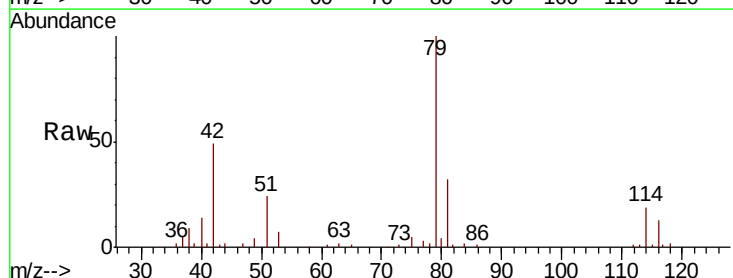
Acq: 24 Jul 2020 15:05

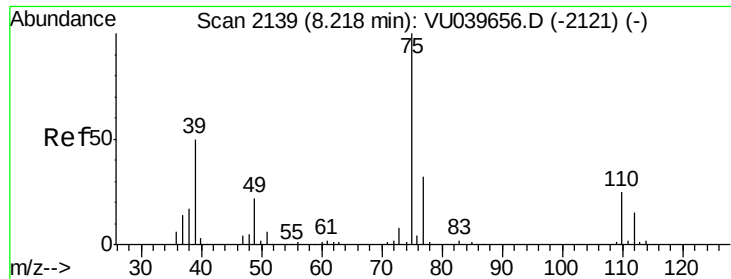
Tgt Ion: 75 Resp: 3009

Ion Ratio Lower Upper

75 100

77 57.3 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 1.009 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU039663.D

Acq: 24 Jul 2020 15:05

Instrument :

MSVOA_U

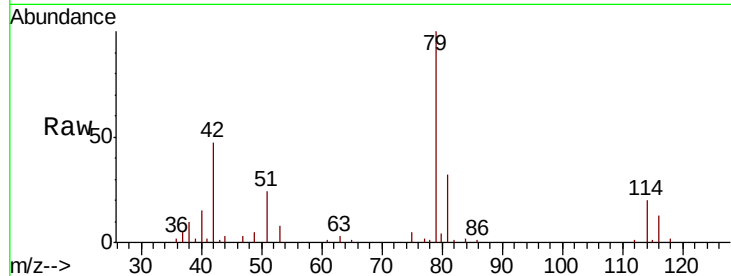
ClientSampleId :

Tot Ion: 75 Resp: 1938

Ion Ratio Lower Upper

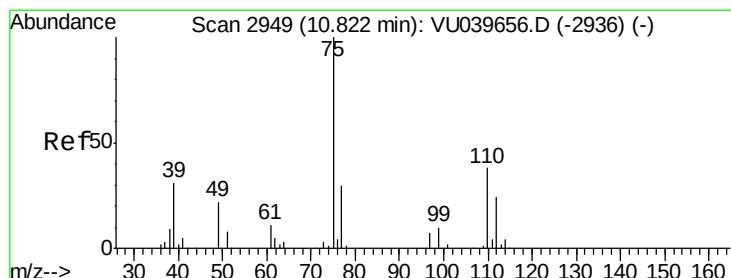
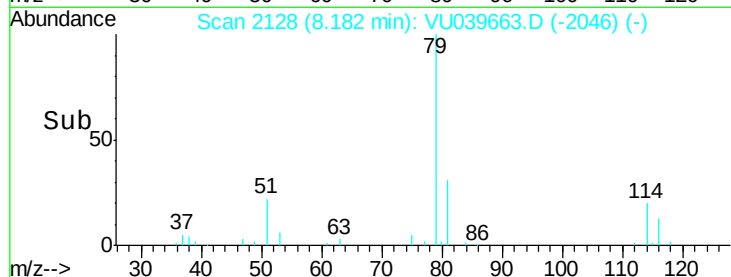
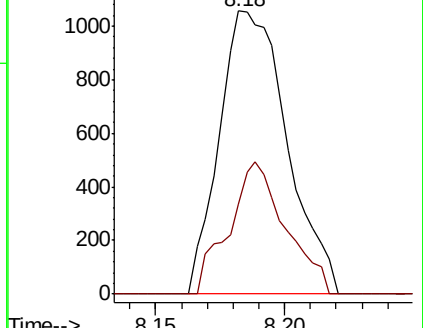
75 100

77 32.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039656.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039656.D (-2121) (-)



#59

1,2,3-Trichloropropane

Concen: 6.489 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039663.D

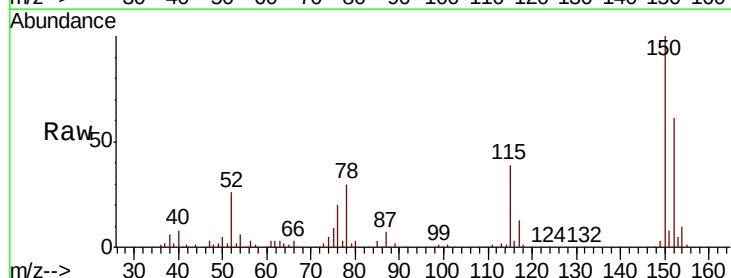
Acq: 24 Jul 2020 15:05

Tgt Ion: 75 Resp: 12357

Ion Ratio Lower Upper

75 100

77 38.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039656.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039656.D (-2936) (-)

