

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038433.D
 Acq On : 30 May 2020 22:57
 Operator : JC/MD
 Sample : L2787-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:43:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	310119	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	301417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145997	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	102292	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.93	69	81682	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.59	63	149785	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.67	46	360549	59.13	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.26%
24) Chloroform-d	5.10	84	202067	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.74	65	118142	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.76	84	405854	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	6.72	67	126287	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.92	98	341394	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	8.20	79	51290	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.65	63	315641	64.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	110335	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	140554	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4023	0.214	ug/L #	79
12) 1,1-Dichloroethene	2.60	96	2235	0.117	ug/L #	1
13) Acetone	2.67	43	23455	5.878	ug/L	100
15) Methyl Acetate	2.98	43	1810	0.185	ug/L #	64
19) 1,1-Dichloroethane	3.91	63	61865	1.680	ug/L	97
21) 2-Butanone	4.84	43	242088	36.070	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	27485	1.240	ug/L	96
25) Chloroform	5.12	83	37941	1.014	ug/L	96
30) Cyclohexane	5.42	56	4796	0.143	ug/L	90
34) Trichloroethene	6.57	95	184073	8.438	ug/L	98
35) Methylcyclohexane	6.72	83	29743	0.881	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13437	0.635	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3582	0.115	ug/L #	61
48) 2-Hexanone	8.71	43	13928	1.216	ug/L #	92
59) 1,2,3-Trichloropropane	11.83	75	18125	1.148	ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration

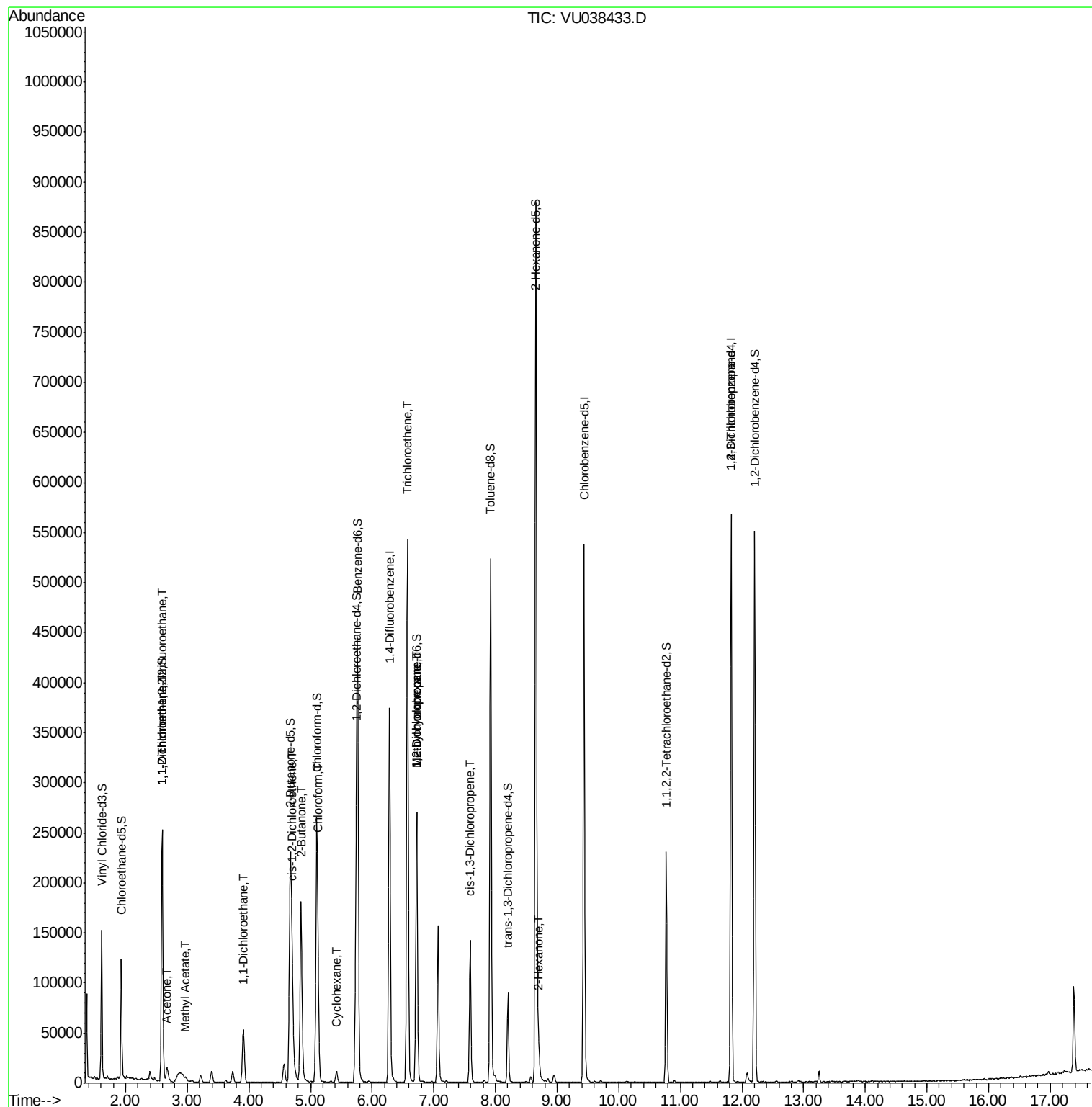
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

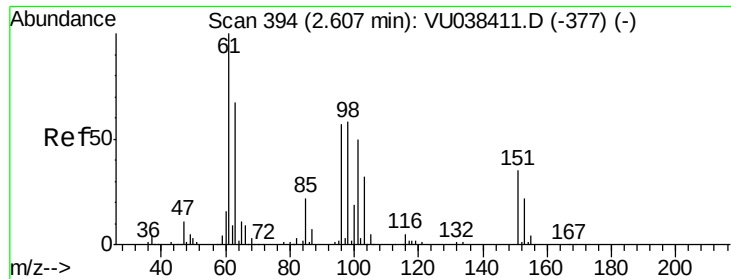
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#10

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

Concen: 0.214 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038433.D

Acq: 30 May 2020 22:57

Instrument :

MSVOA_U

ClientSampleId :

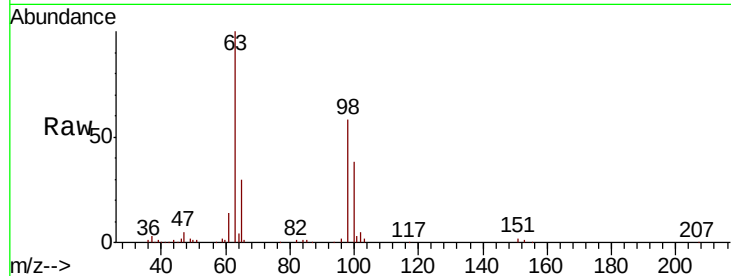
Tot Ion:101 Resp: 4023

Ion Ratio Lower Upper

101 100

85 32.4 34.0 51.0#

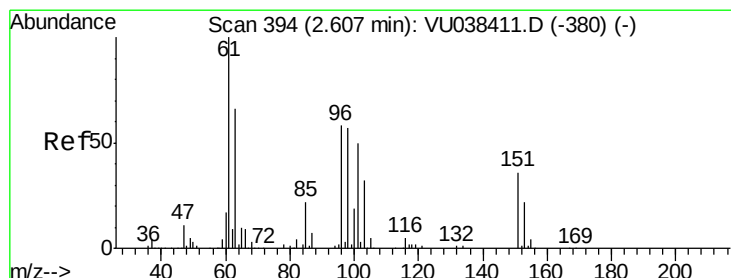
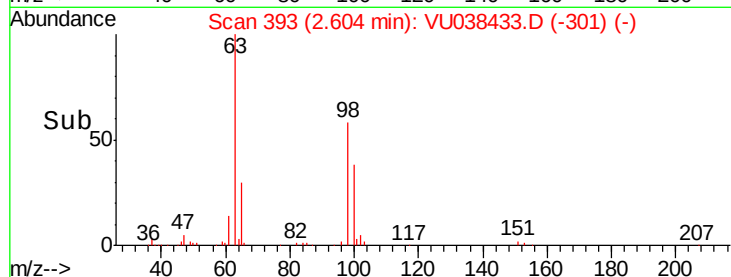
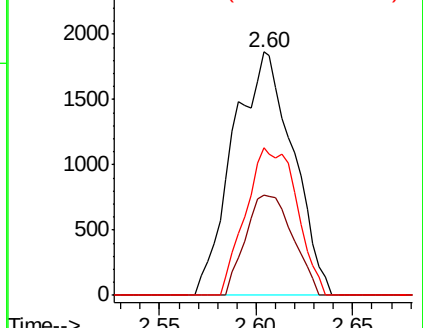
151 51.4 56.9 85.3#



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: 0.117 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038433.D

Acq: 30 May 2020 22:57

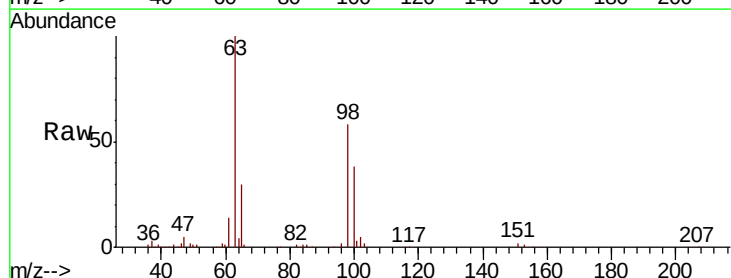
Tgt Ion: 96 Resp: 2235

Ion Ratio Lower Upper

96 100

61 643.1 119.9 222.7#

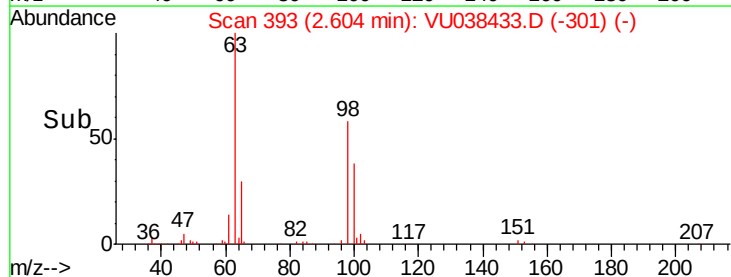
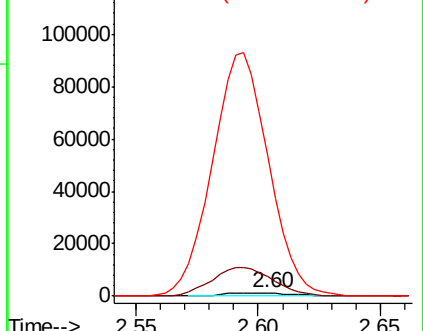
63 4637.0 89.9 167.0#

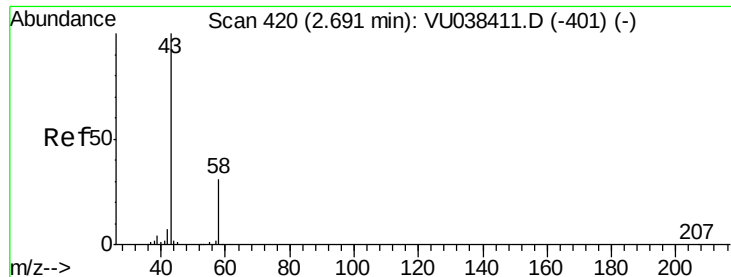


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.878 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU038433.D

Acq: 30 May 2020 22:57

Instrument :

MSVOA_U

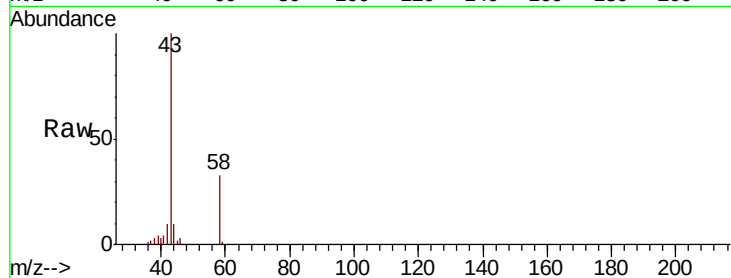
ClientSampled :

Tot Ion: 43 Resp: 23455

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038433.D (-414) (-)

Ion 58.05 (57.75 to 58.75): VU038433.D (-414) (-)

2.67

8000

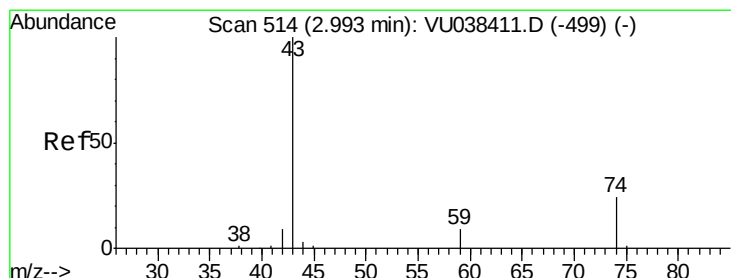
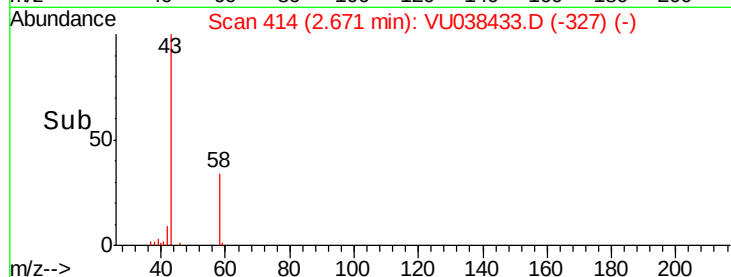
6000

4000

2000

0

Time-->



#15

Methyl Acetate

Concen: 0.185 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.01 min

Lab File: VU038433.D

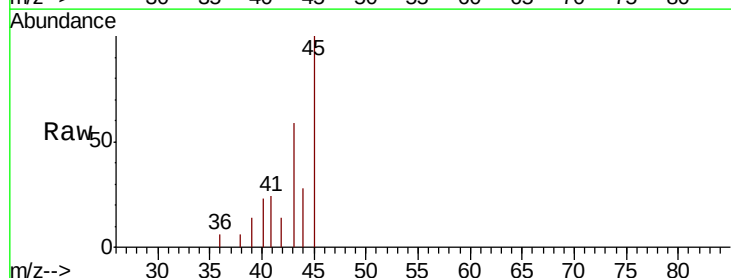
Acq: 30 May 2020 22:57

Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

43 100

74 6.5 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038433.D (-510) (-)

Ion 74.05 (73.75 to 74.75): VU038433.D (-510) (-)

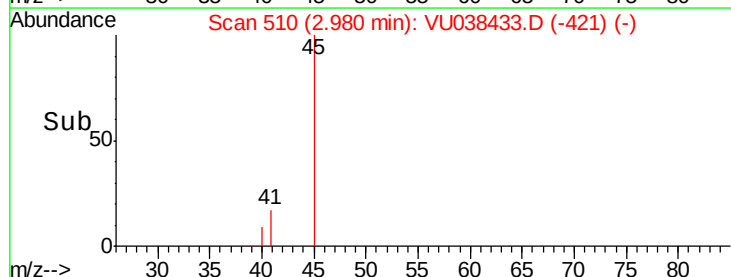
2.98

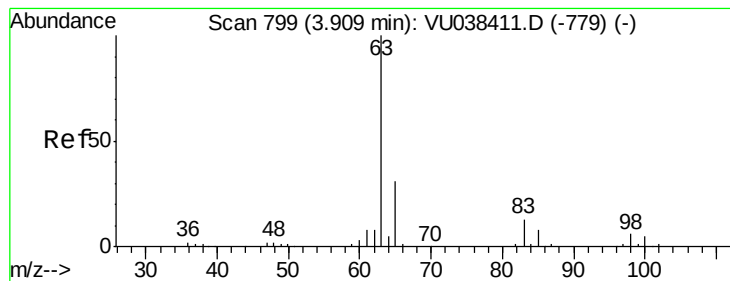
1000

500

0

Time-->





#19

1,1-Dichloroethane

Concen: 1.680 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038433.D

Acq: 30 May 2020 22:57

Instrument :

MSVOA_U

ClientSampleId :

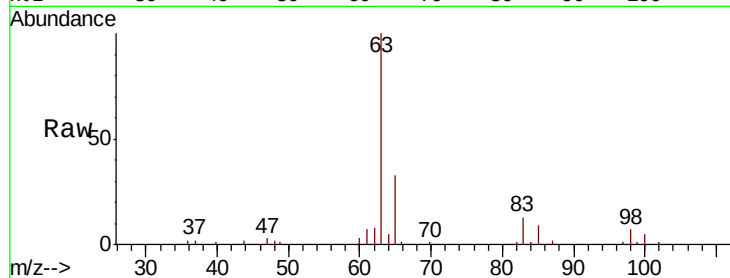
Tot Ion: 63 Resp: 61865

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

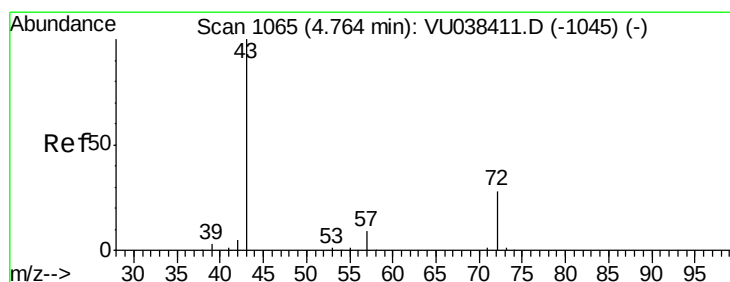
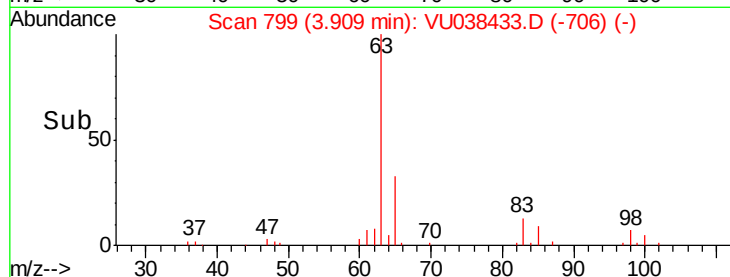
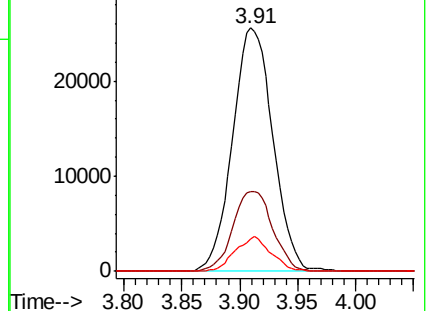
83 13.3 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038411.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU038411.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU038411.D (-779) (-)



#21

2-Butanone

Concen: 36.070 ug/L

RT: 4.84 min Scan# 1090

Delta R.T. 0.08 min

Lab File: VU038433.D

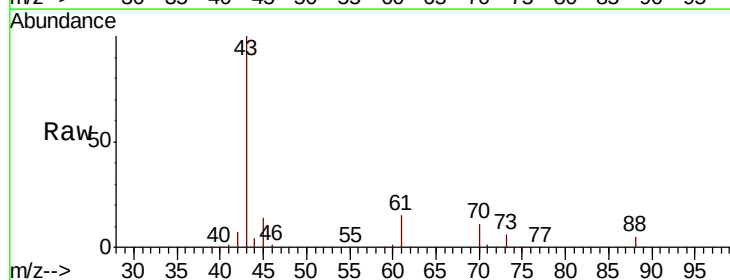
Acq: 30 May 2020 22:57

Tgt Ion: 43 Resp: 242088

Ion Ratio Lower Upper

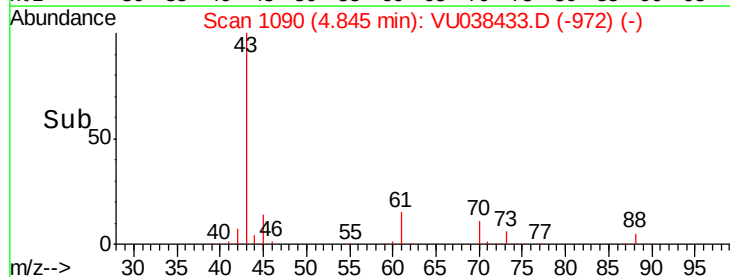
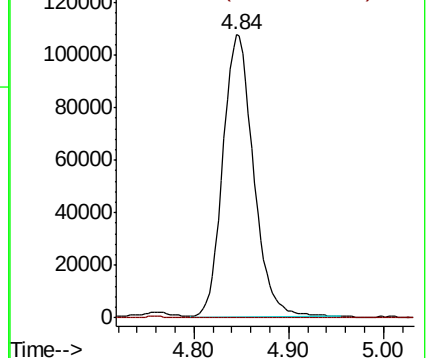
43 100

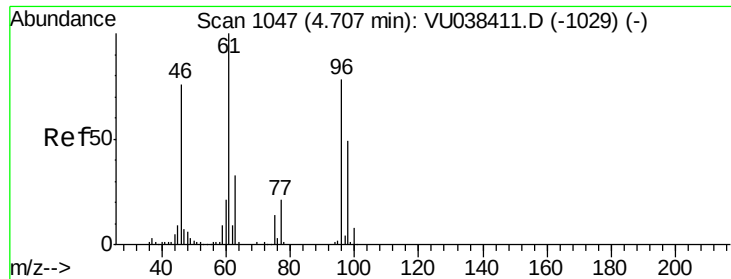
72 0.0 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038411.D (-1045) (-)

Ion 72.10 (71.80 to 72.80): VU038411.D (-1045) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.240 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038433.D

Acq: 30 May 2020 22:57

Instrument :

MSVOA_U

ClientSampleId :

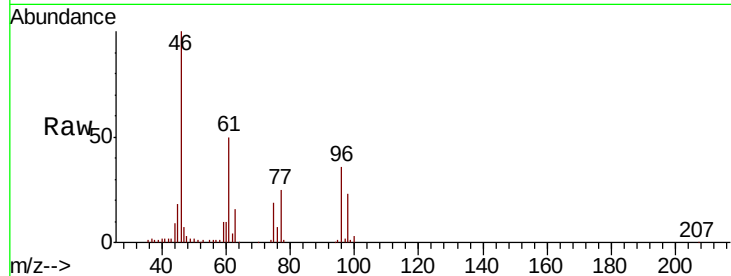
Tot Ion: 96 Resp: 27485

Ion Ratio Lower Upper

96 100

61 139.0 94.0 174.6

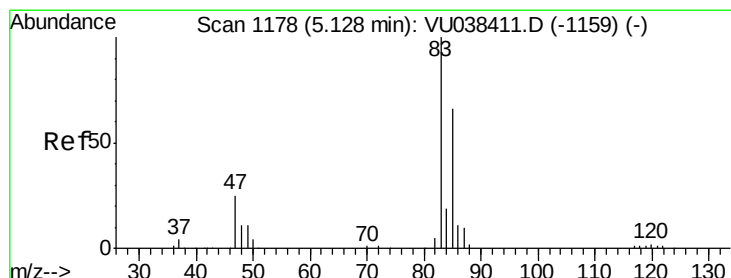
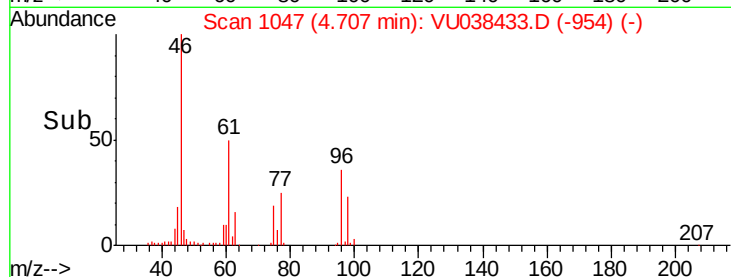
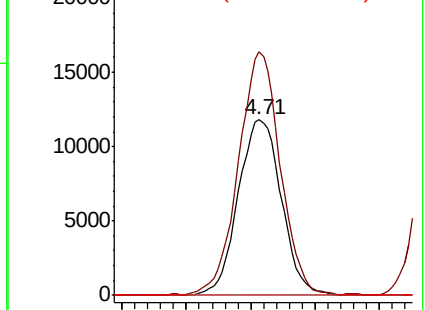
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 1.014 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038433.D

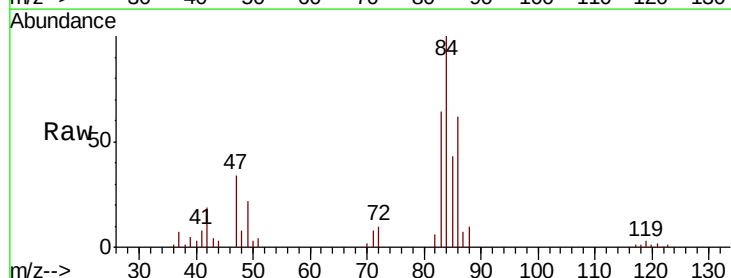
Acq: 30 May 2020 22:57

Tgt Ion: 83 Resp: 37941

Ion Ratio Lower Upper

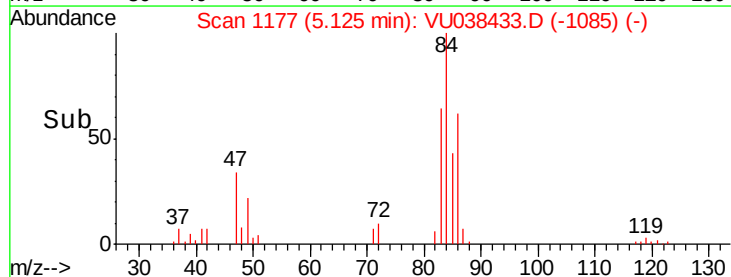
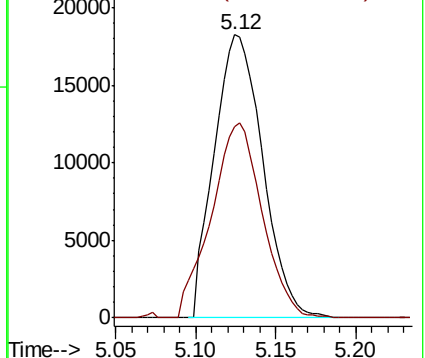
83 100

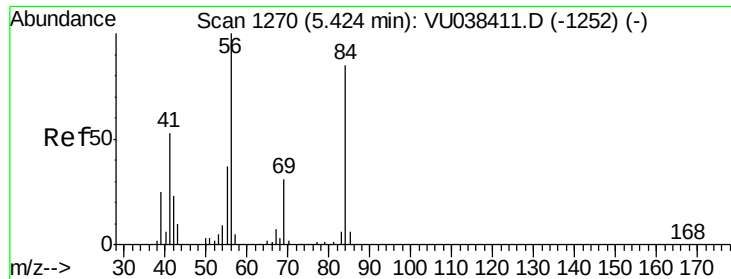
85 67.6 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

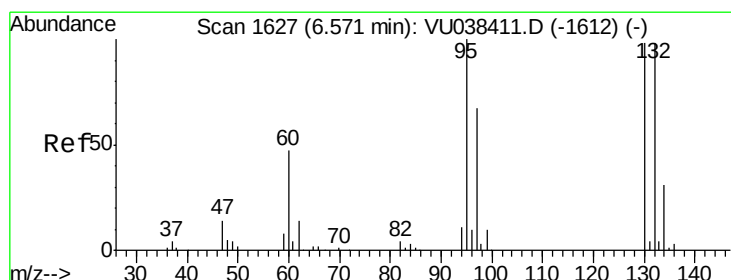
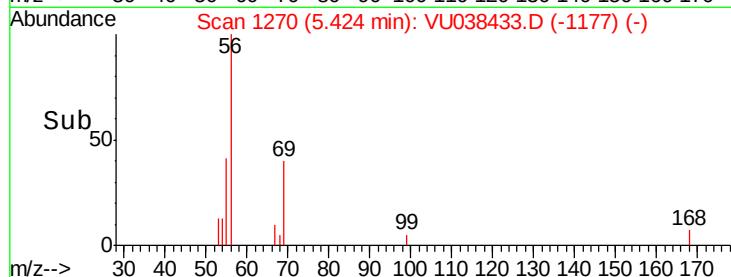
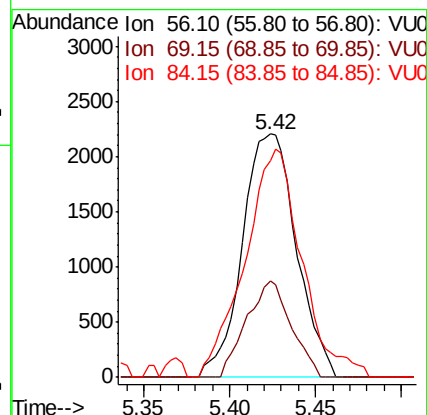
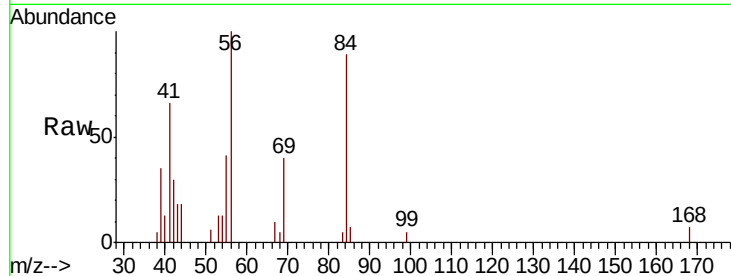




#30
Cyclohexane
Concen: 0.143 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038433.D
Acq: 30 May 2020 22:57

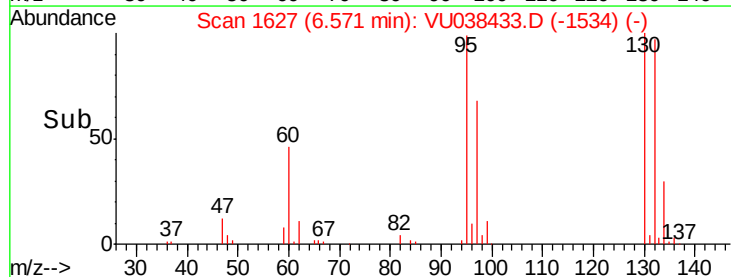
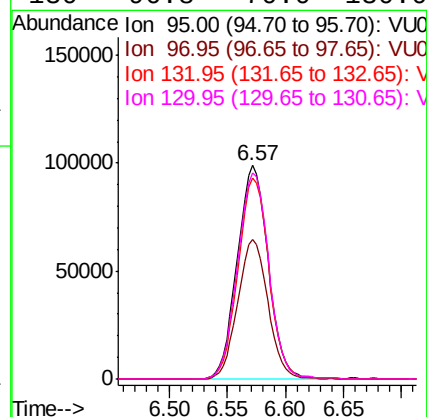
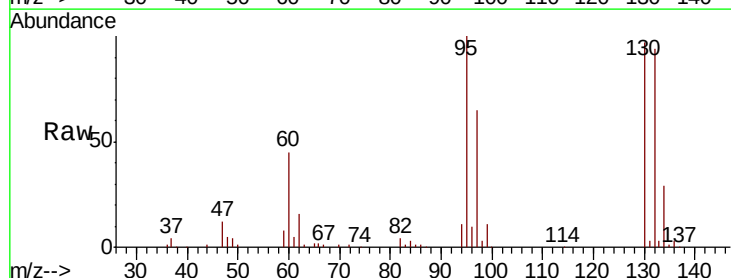
Instrument :
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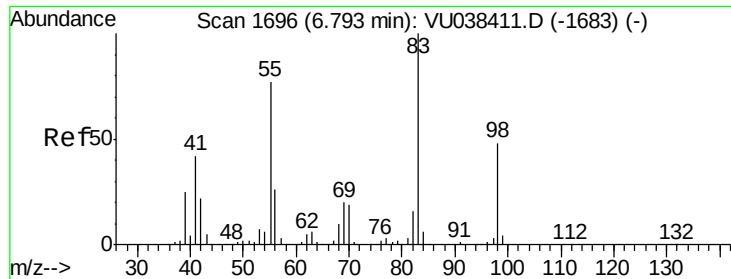
Tot Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 32.8 24.2 36.4
84 99.2 70.8 106.2



#34
Trichloroethene
Concen: 8.438 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038433.D
Acq: 30 May 2020 22:57

Tgt Ion: 95 Resp: 184073
Ion Ratio Lower Upper
95 100
97 65.4 46.8 87.0
132 93.9 66.1 122.7
130 96.8 70.0 130.0

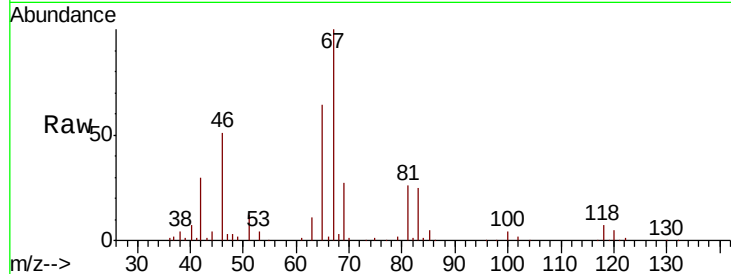




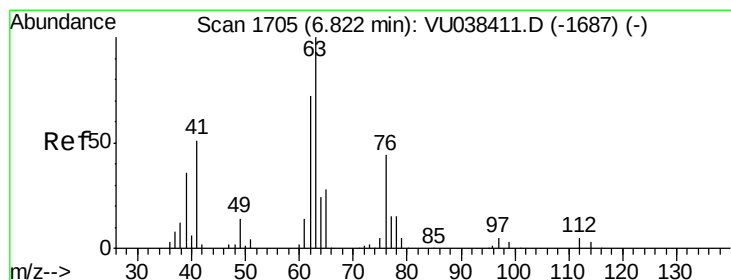
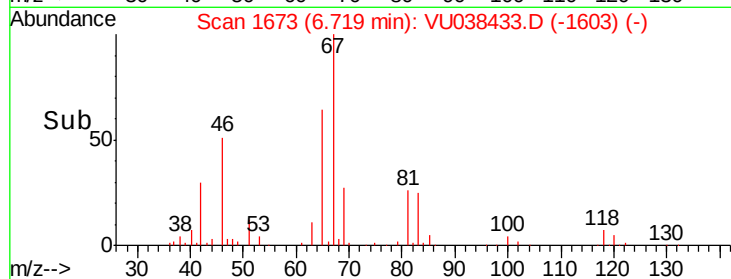
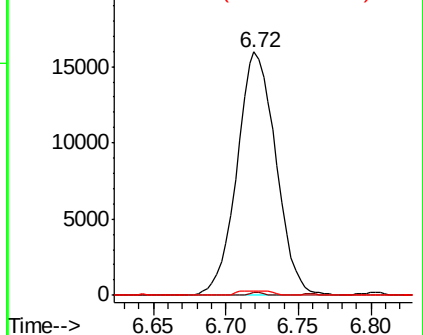
#35
Methvlcvclohexane
Concen: 0.881 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038433.D
Acq: 30 May 2020 22:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 29743
Ion Ratio Lower Upper
83 100
55 0.4 63.4 95.2#
98 1.6 39.0 58.4#

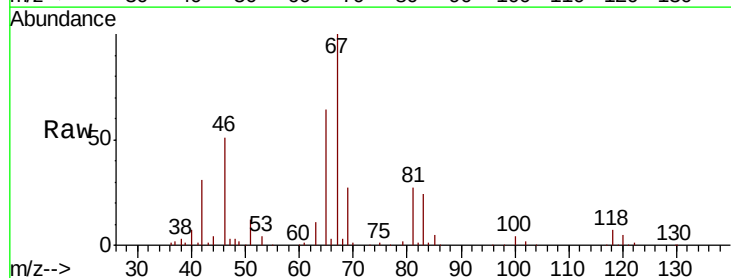


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

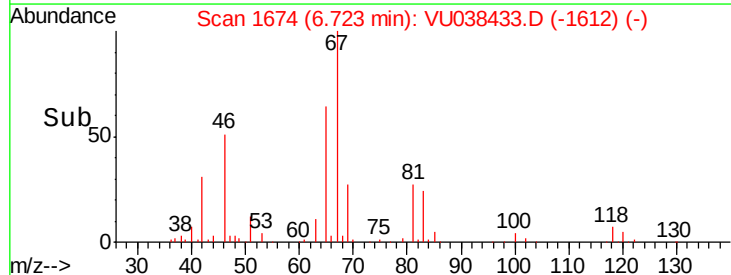
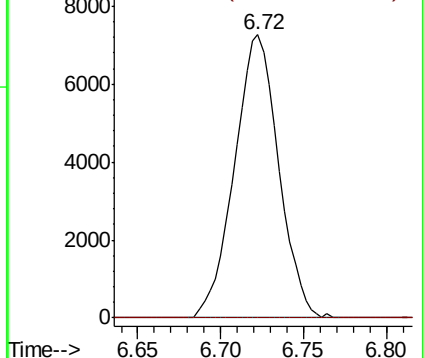


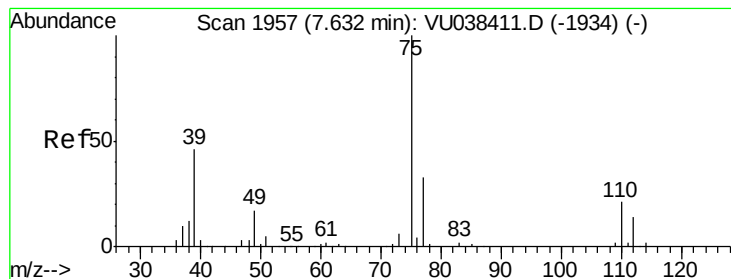
#37
1,2-Dichloropropane
Concen: 0.635 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038433.D
Acq: 30 May 2020 22:57

Tgt Ion: 63 Resp: 13437
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



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



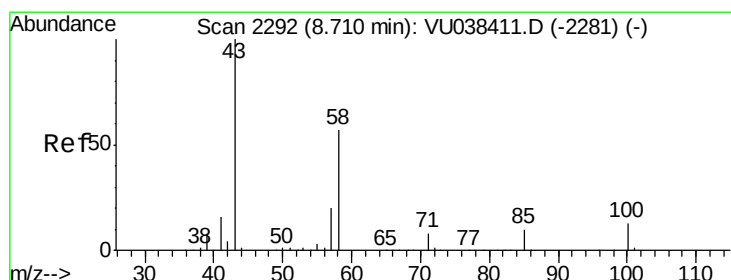
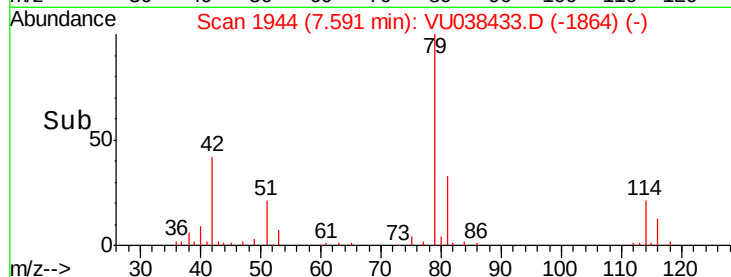
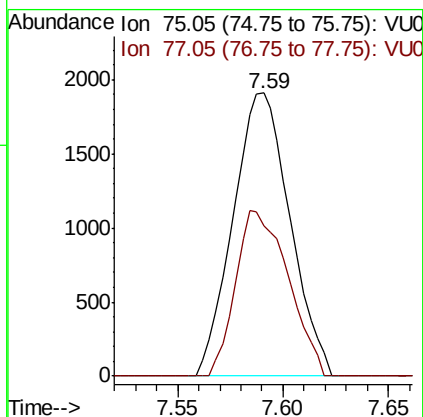
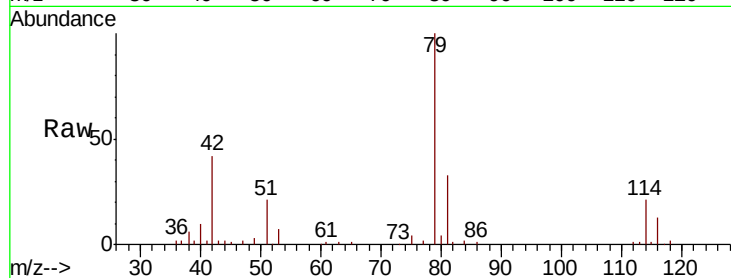


#39

cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038433.D
 Acq: 30 May 2020 22:57

Instrument :
 MSVOA_U
 ClientSampled :

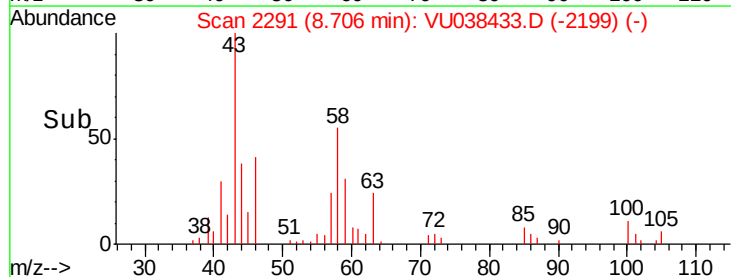
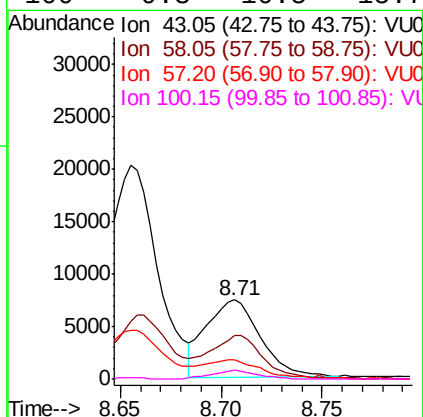
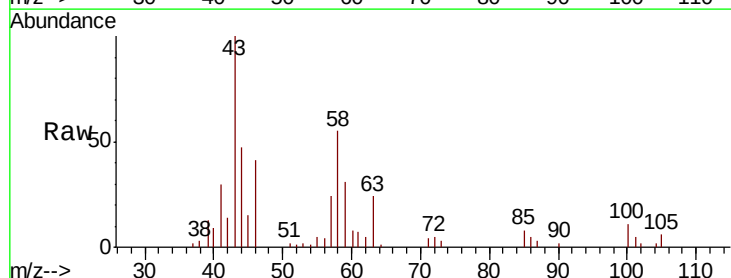
Tot Ion: 75 Resp: 3582
 Ion Ratio Lower Upper
 75 100
 77 52.9 21.9 40.7#

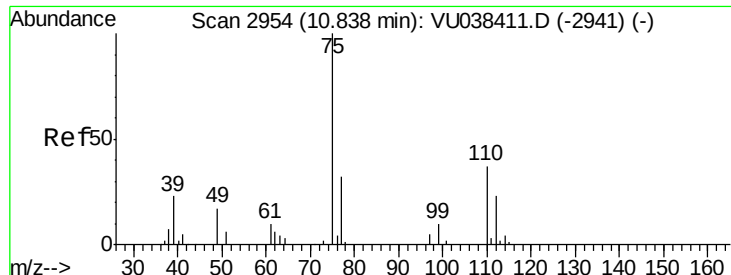


#48

2-Hexanone
 Concen: 1.216 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038433.D
 Acq: 30 May 2020 22:57

Tgt Ion: 43 Resp: 13928
 Ion Ratio Lower Upper
 43 100
 58 49.9 45.4 68.0
 57 21.2 15.9 23.9
 100 9.3 10.5 15.7#





#59

1,2,3-Trichloropropane

Concen: 1.148 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038433.D

Acq: 30 May 2020 22:57

Instrument :

MSVOA_U

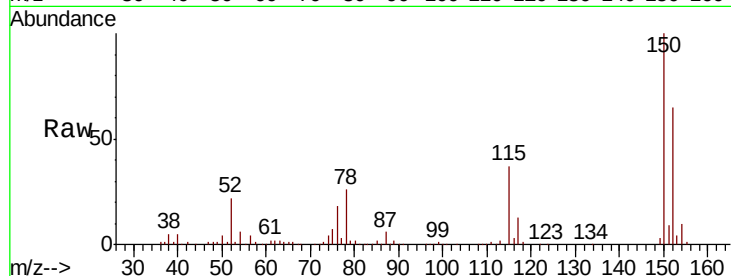
ClientSampleId :

Tot Ion: 75 Resp: 18125

Ion Ratio Lower Upper

75 100

77 36.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

