

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038857.D
 Acq On : 12 Jun 2020 17:27
 Operator : SY/MD
 Sample : L2990-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 00:59:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	277329	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	274267	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	129486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95585	6.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	126.40%
7) Chloroethane-d5	1.93	69	75054	6.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.60%
11) 1,1-Dichloroethene-d2	2.59	63	156077	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	4.67	46	294215	62.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.04%
24) Chloroform-d	5.10	84	184839	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
26) 1,2-Dichloroethane-d4	5.74	65	108364	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.76	84	366832	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
36) 1,2-Dichloropropane-d6	6.72	67	110512	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.40%
41) Toluene-d8	7.92	98	312468	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	8.20	79	43915	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.65	63	248606	65.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.42%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	94533	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	125123	5.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	20712	1.066	ug/L #	1
13) Acetone	2.68	43	3347	0.870	ug/L	91
18) trans-1,2-Dichloroethene	3.39	96	3207	0.154	ug/L	91
19) 1,1-Dichloroethane	3.91	63	240835	6.416	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	28341	1.305	ug/L	98
25) Chloroform	5.12	83	17577	0.454	ug/L	90
29) 1,1,1-Trichloroethane	5.35	97	153346	4.530	ug/L	99
31) Carbon tetrachloride	5.35	117	18435	0.645	ug/L	98
34) Trichloroethene	6.57	95	19302	0.892	ug/L	91
35) Methylcyclohexane	6.72	83	26760	0.795	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12497	0.599	ug/L #	86
38) Bromodichloromethane	7.13	83	10842	0.400	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2806	0.091	ug/L #	64
47) Tetrachloroethene	8.57	164	6422	0.385	ug/L	85
49) Dibromochloromethane	8.83	129	3165	0.178	ug/L	98
59) 1,2,3-Trichloropropane	11.82	75	15700	1.014	ug/L	92

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 00:56:28 2020
Response via : Initial Calibration

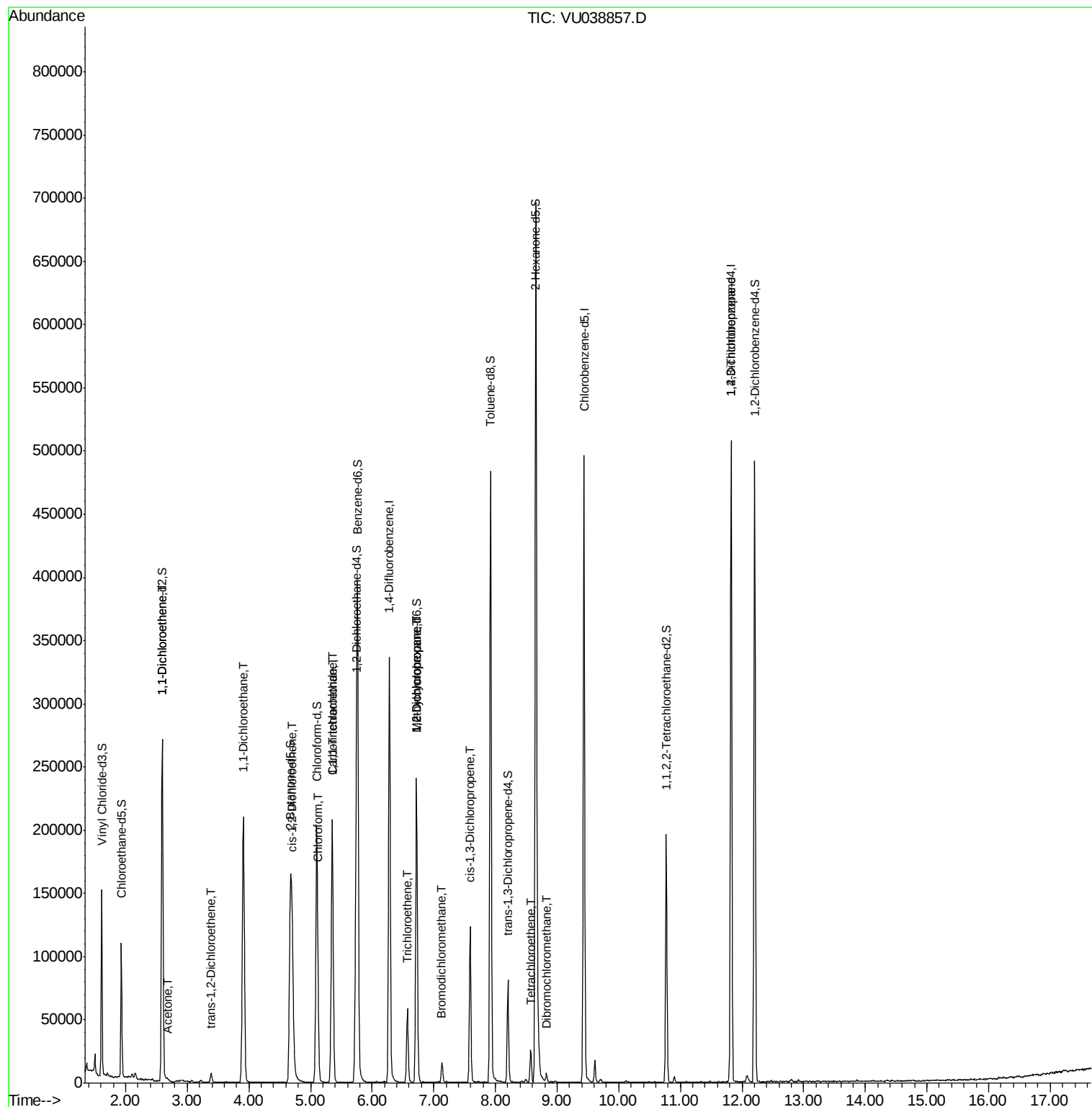
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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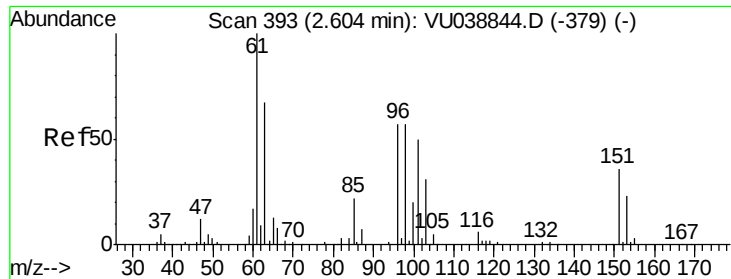
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.066 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038857.D

Acq: 12 Jun 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

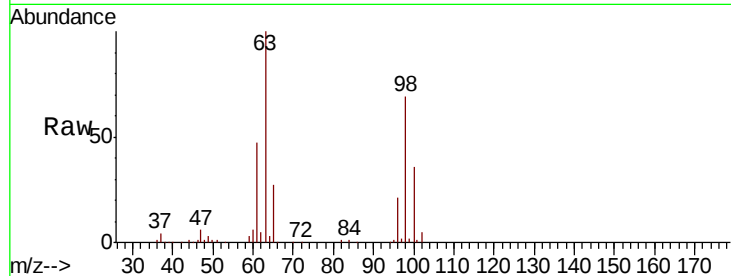
Tot Ion: 96 Resp: 20712

Ion Ratio Lower Upper

96 100

61 224.4 120.2 223.2#

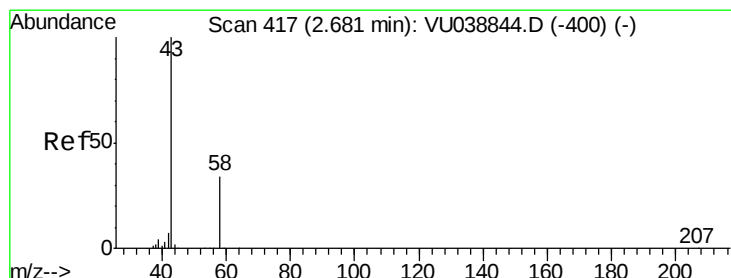
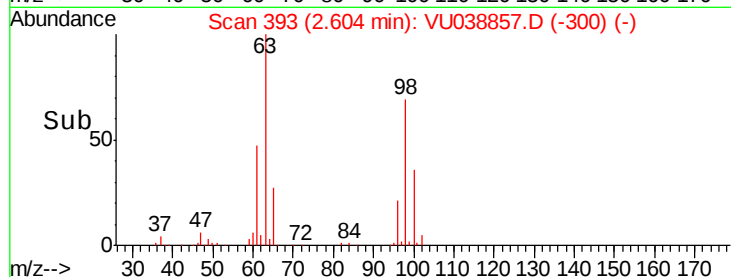
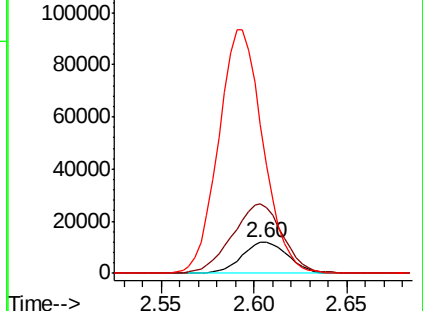
63 481.8 90.1 167.3#



Abundance Ion 96.00 (95.70 to 96.70): VU038844.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU038844.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU038844.D (-379) (-)



#13

Acetone

Concen: 0.870 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU038857.D

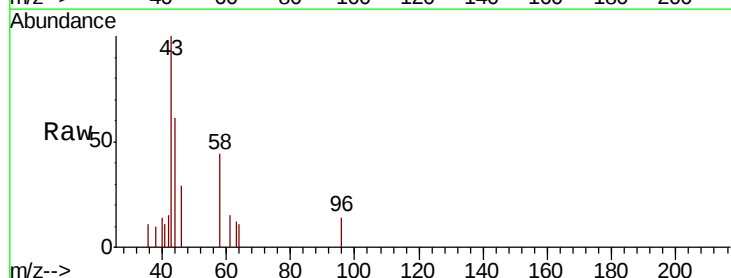
Acq: 12 Jun 2020 17:27

Tgt Ion: 43 Resp: 3347

Ion Ratio Lower Upper

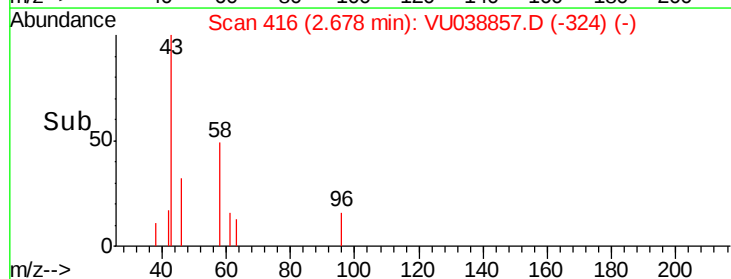
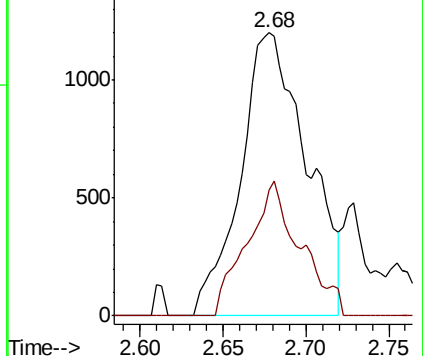
43 100

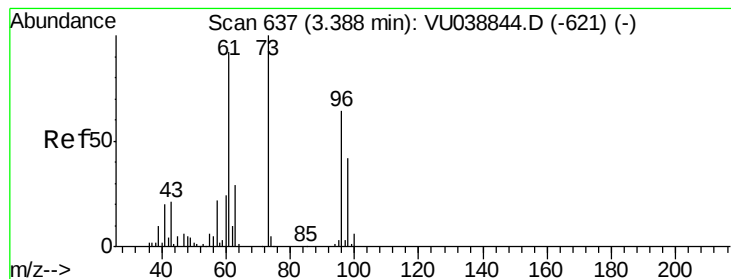
58 38.1 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038844.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038844.D (-400) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.154 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038857.D

Acq: 12 Jun 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

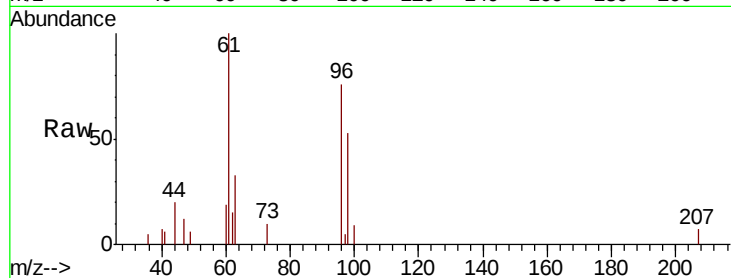
Tot Ion: 96 Resp: 3207

Ion Ratio Lower Upper

96 100

61 131.1 99.3 184.5

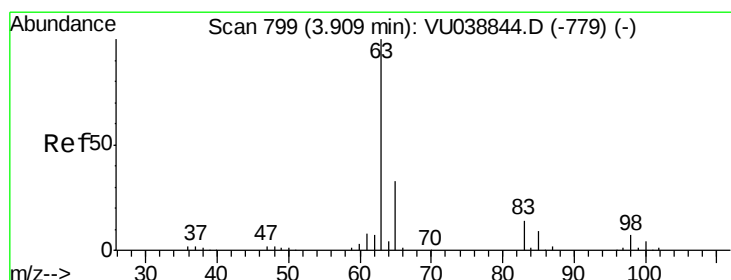
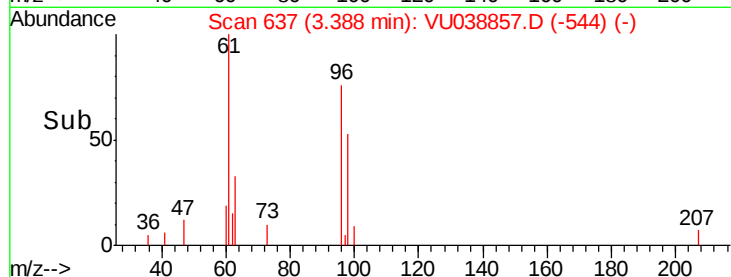
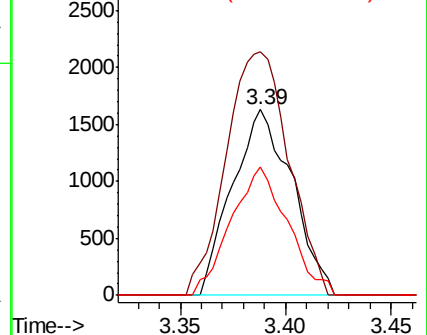
98 69.3 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 6.416 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038857.D

Acq: 12 Jun 2020 17:27

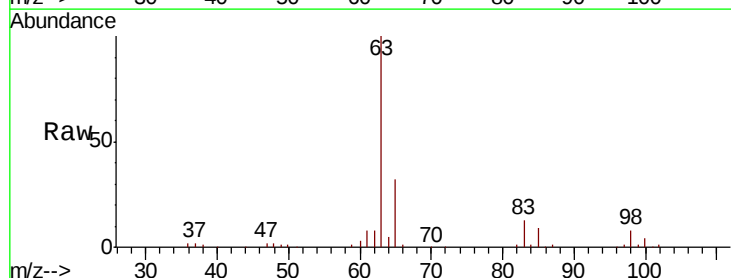
Tgt Ion: 63 Resp: 240835

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

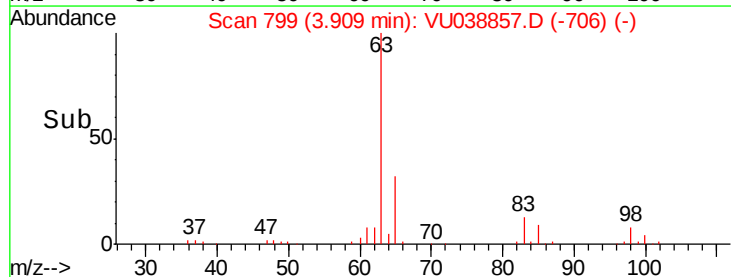
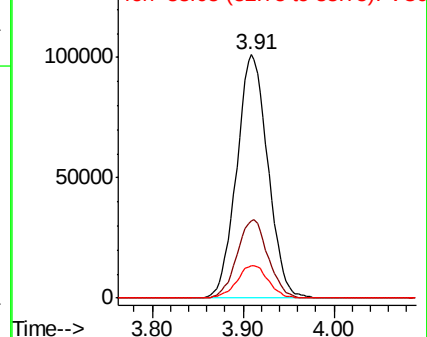
83 13.3 10.1 18.9

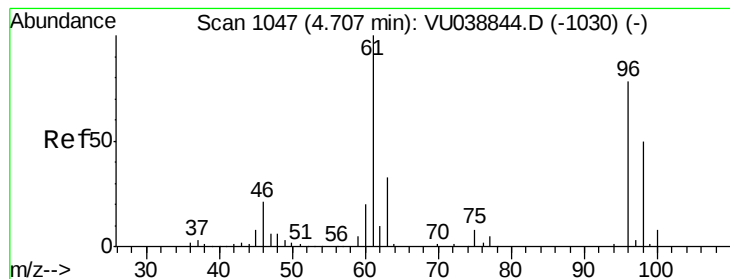


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.305 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038857.D

Acq: 12 Jun 2020 17:27

Instrument :

MSVOA_U

ClientSampled :

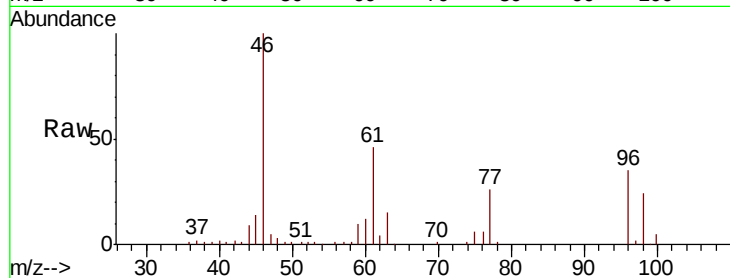
Tot Ion: 96 Resp: 28341

Ion Ratio Lower Upper

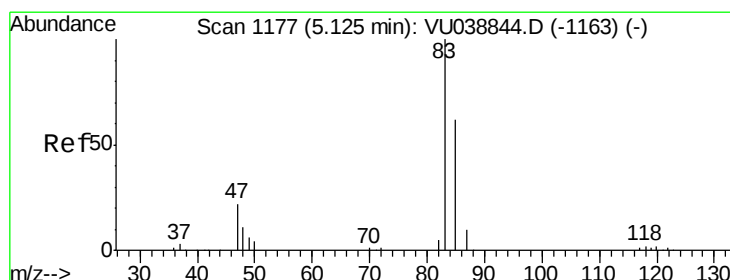
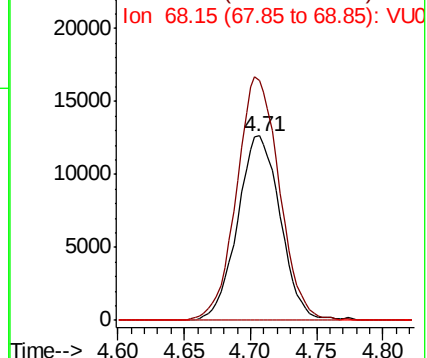
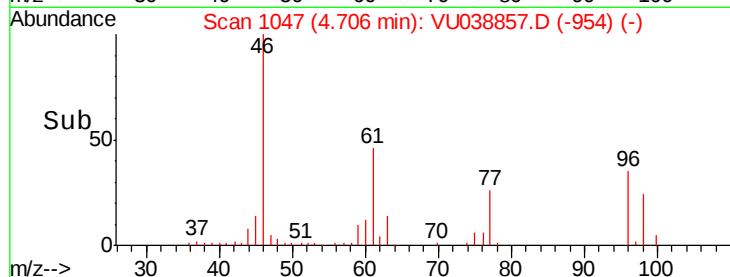
96 100

61 130.2 89.7 166.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038857.D (-954) (-)



#25

Chloroform

Concen: 0.454 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038857.D

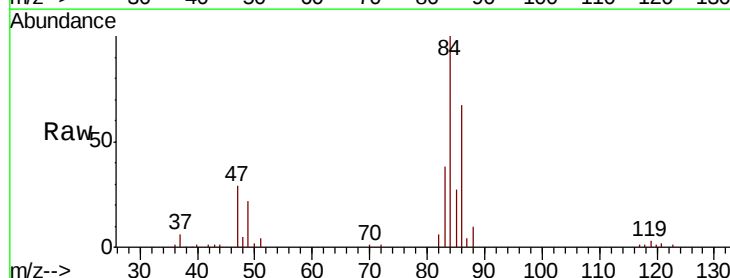
Acq: 12 Jun 2020 17:27

Tgt Ion: 83 Resp: 17577

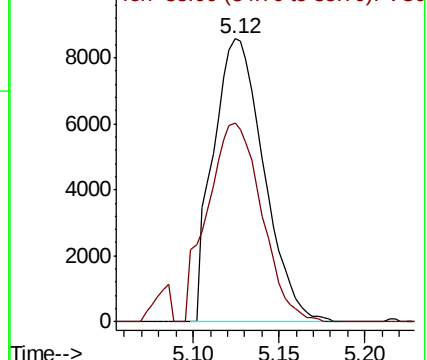
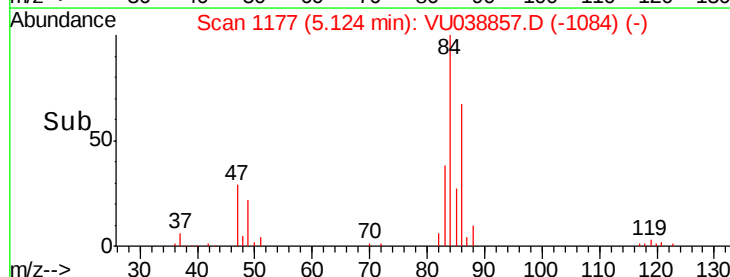
Ion Ratio Lower Upper

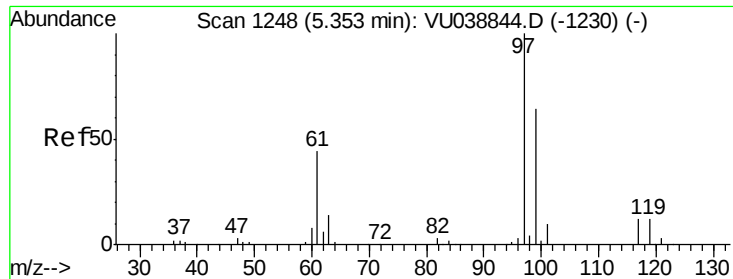
83 100

85 70.4 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU038857.D (-1084) (-)



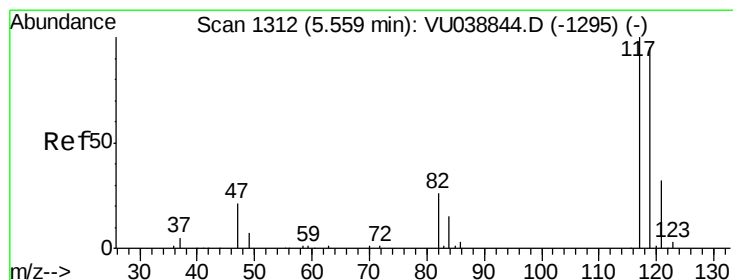
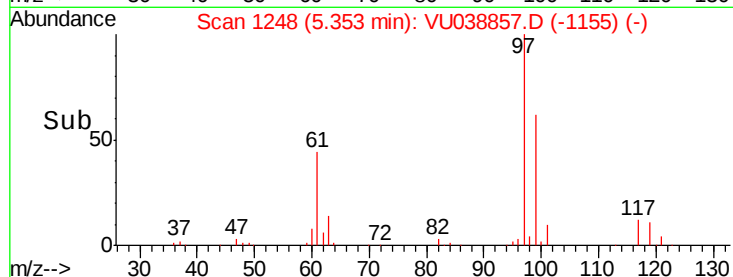
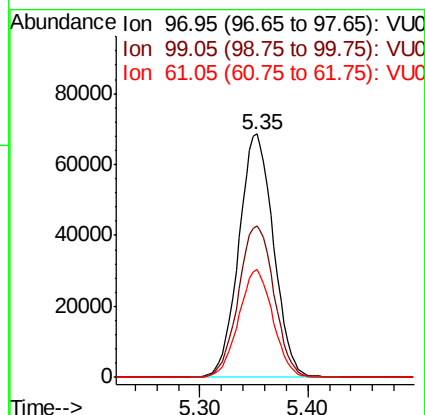
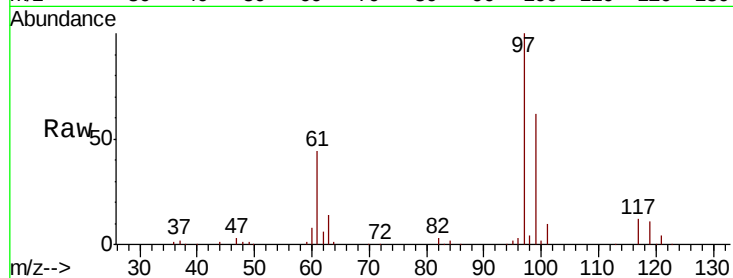


#29
 1,1,1-Trichloroethane
 Concen: 4.530 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038857.D
 Acq: 12 Jun 2020 17:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 153346

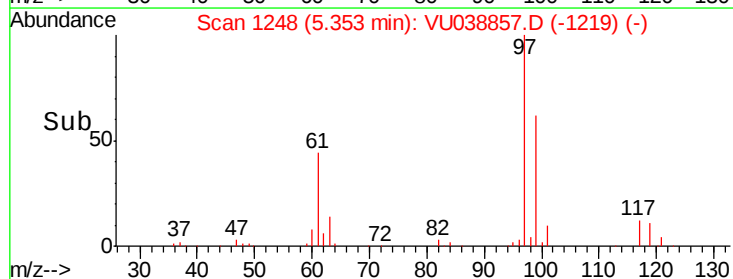
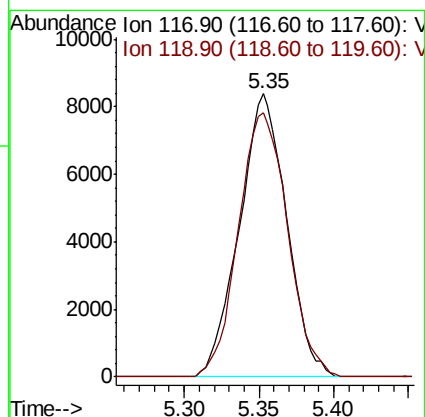
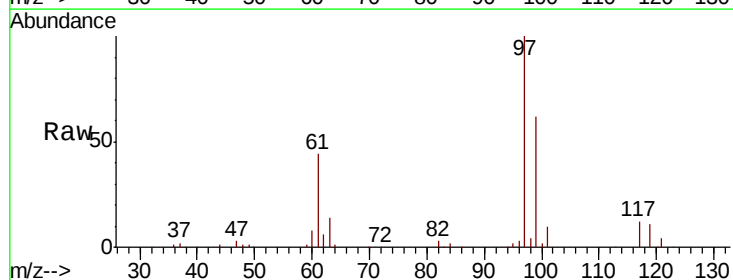
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	43.8	35.9	53.9

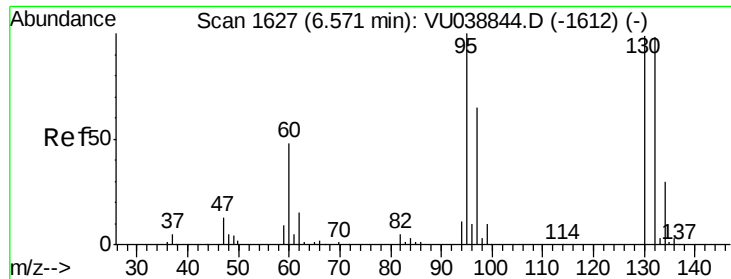


#31
 Carbon tetrachloride
 Concen: 0.645 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU038857.D
 Acq: 12 Jun 2020 17:27

Tgt Ion: 117 Resp: 18435

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2

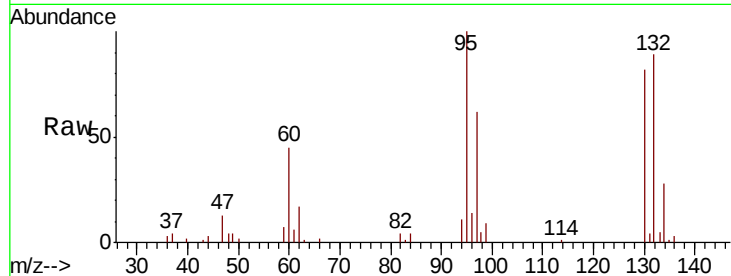




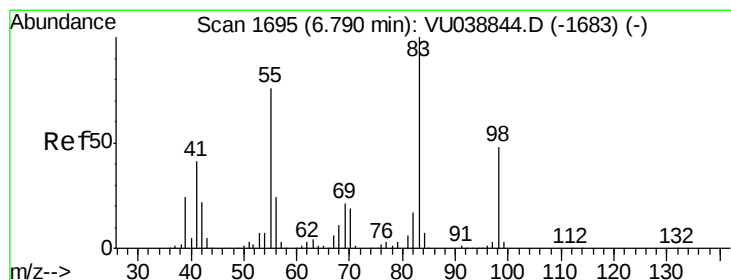
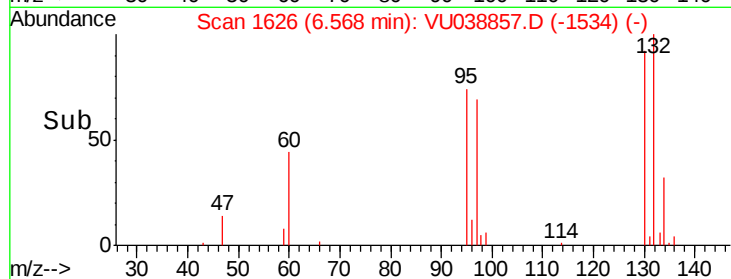
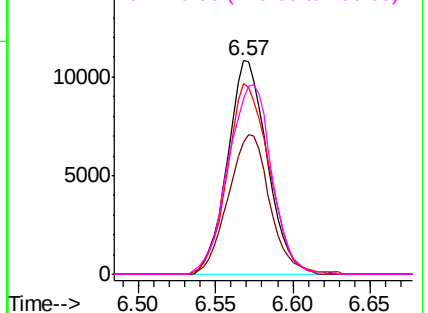
#34
 Trichloroethene
 Concen: 0.892 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: VU038857.D
 Acq: 12 Jun 2020 17:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	19302
Ion	Ratio	Lower	Upper
95	100		
97	61.7	46.1	85.5
132	89.4	67.5	125.3
130	81.9	66.7	123.9

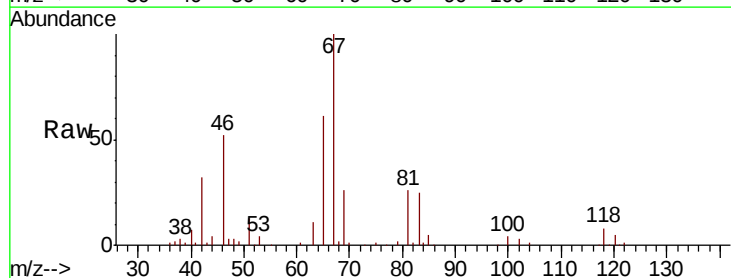


Abundance Ion 95.00 (94.70 to 95.70): VU038844.D (-1612) (-)
 Ion 96.95 (96.65 to 97.65): VU038844.D (-1612) (-)
 Ion 131.95 (131.65 to 132.65): VU038844.D (-1612) (-)
 Ion 129.95 (129.65 to 130.65): VU038844.D (-1612) (-)

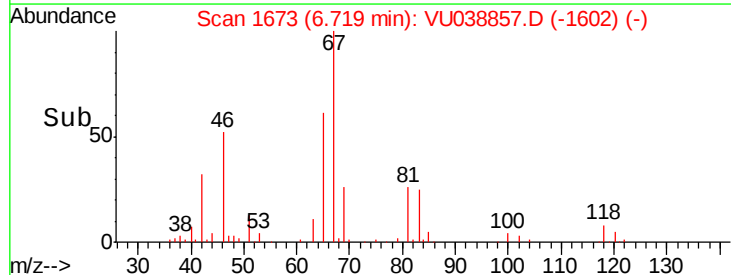
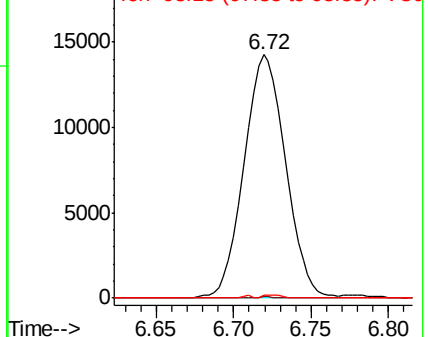


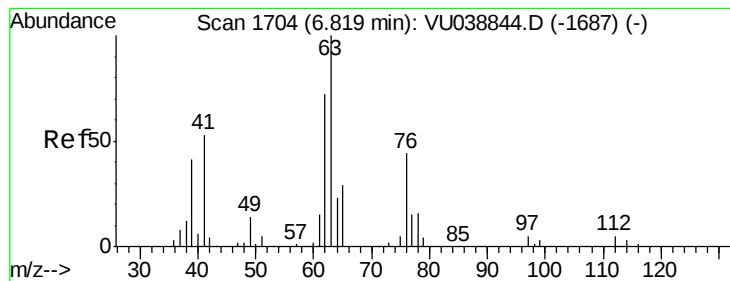
#35
 Methylcyclohexane
 Concen: 0.795 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU038857.D
 Acq: 12 Jun 2020 17:27

Tgt Ion:	83	Resp:	26760
Ion	Ratio	Lower	Upper
83	100		
55	0.2	64.2	96.2#
98	0.5	40.5	60.7#



Abundance Ion 83.15 (82.85 to 83.85): VU038844.D (-1683) (-)
 Ion 55.10 (54.80 to 55.80): VU038844.D (-1683) (-)
 Ion 98.15 (97.85 to 98.85): VU038844.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 0.599 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038857.D

Acq: 12 Jun 2020 17:27

Instrument :

MSVOA_U

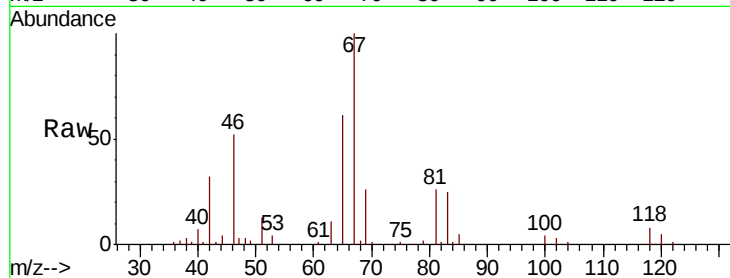
ClientSampleId :

Tot Ion: 63 Resp: 12497

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU038844.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038844.D (-1687) (-)

6.72

6000

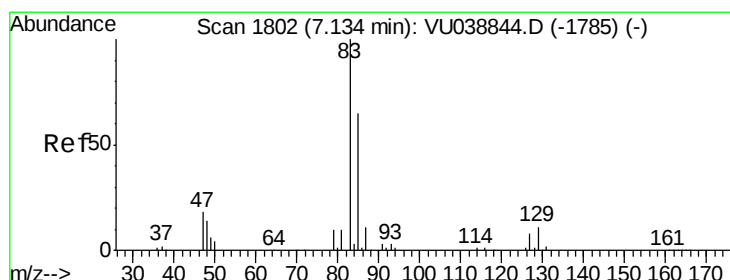
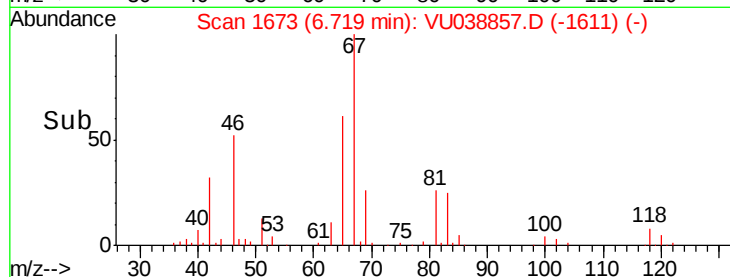
4000

2000

0

6.65 6.70 6.75

Time-->



#38

Bromodichloromethane

Concen: 0.400 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038857.D

Acq: 12 Jun 2020 17:27

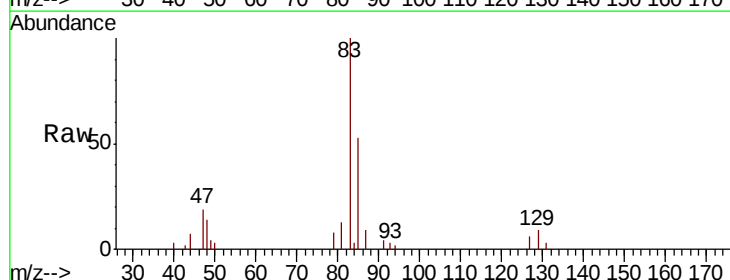
Tgt Ion: 83 Resp: 10842

Ion Ratio Lower Upper

83 100

85 53.1 45.3 84.1

127 6.1 7.1 10.7#



Abundance Ion 82.95 (82.65 to 83.65): VU038844.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038844.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038844.D (-1785) (-)

7.13

8000

6000

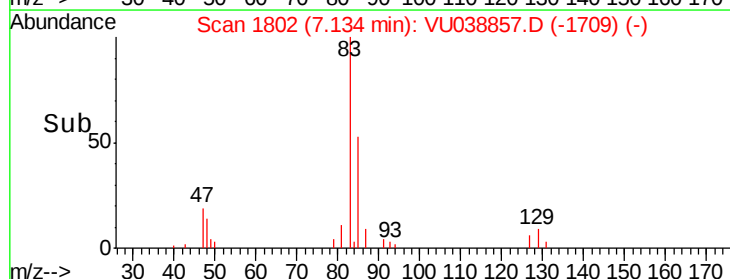
4000

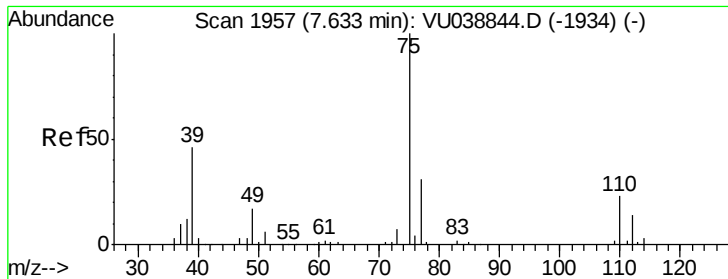
2000

0

7.10 7.15 7.20

Time-->

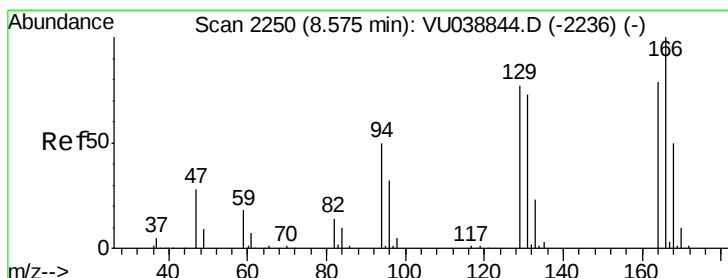
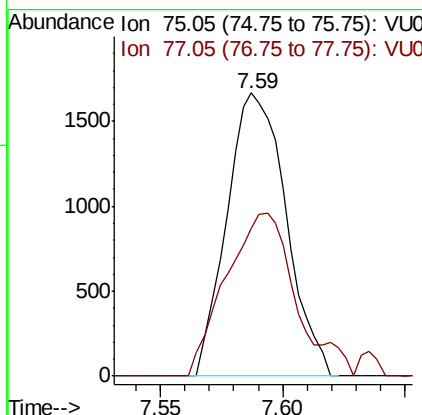
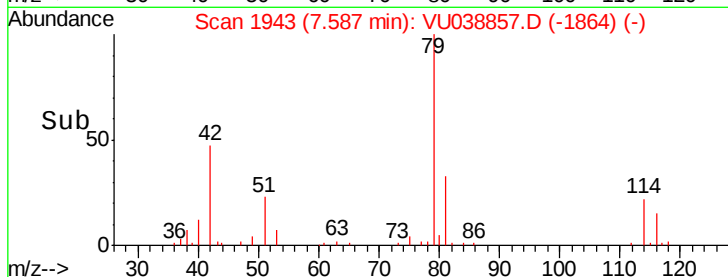
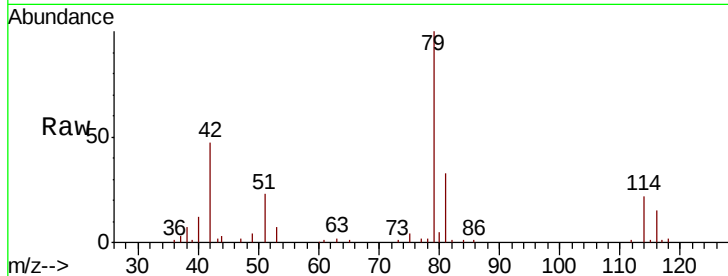




#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038857.D
 Acq: 12 Jun 2020 17:27

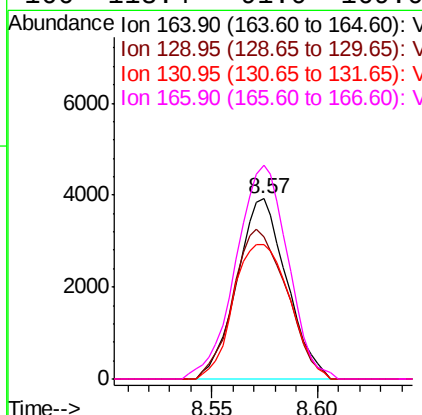
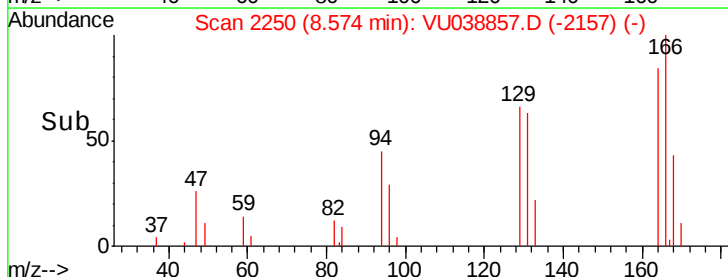
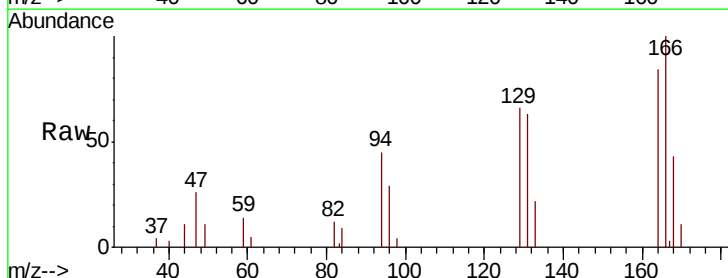
Instrument :
 MSVOA_U
 ClientSampleId :

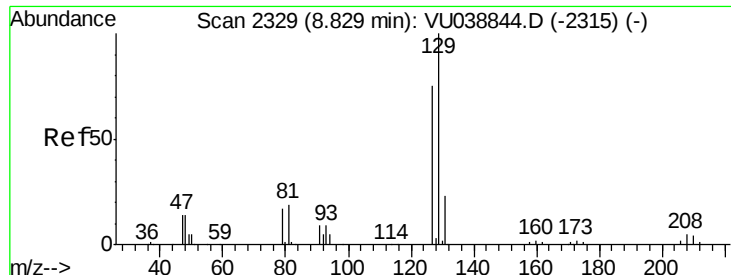
Tot Ion: 75 Resp: 2806
 Ion Ratio Lower Upper
 75 100
 77 52.1 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 0.385 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038857.D
 Acq: 12 Jun 2020 17:27

Tgt Ion: 164 Resp: 6422
 Ion Ratio Lower Upper
 164 100
 129 78.5 67.3 124.9
 131 74.2 65.0 120.6
 166 118.4 91.0 169.0





#49

Dibromochloromethane

Concen: 0.178 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU038857.D

Acq: 12 Jun 2020 17:27

Instrument :

MSVOA_U

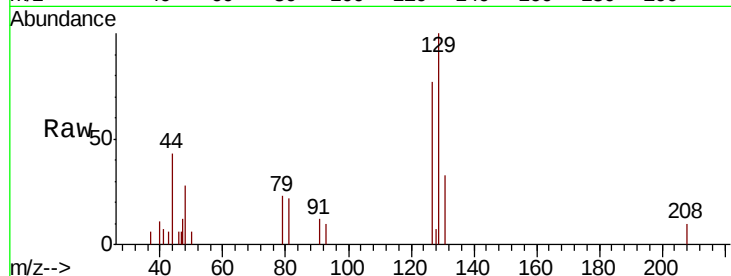
ClientSampleId :

Tot Ion:129 Resp: 3165

Ion Ratio Lower Upper

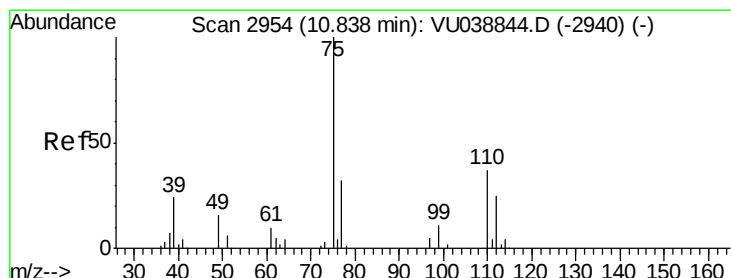
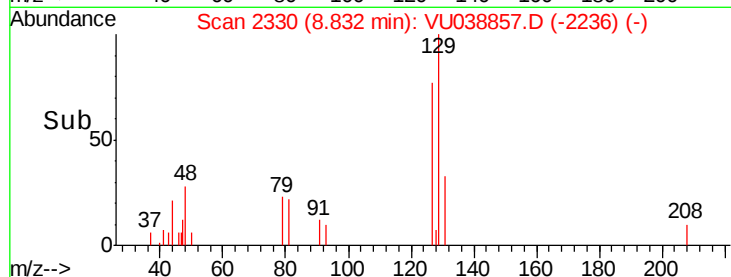
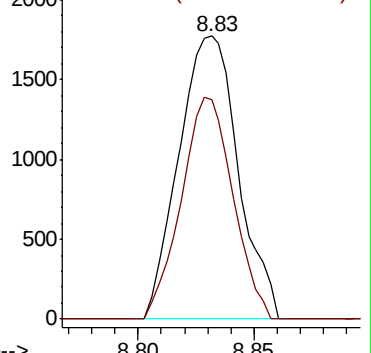
129 100

127 77.4 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.014 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038857.D

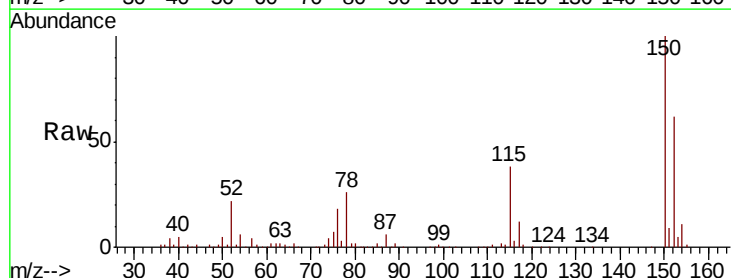
Acq: 12 Jun 2020 17:27

Tgt Ion: 75 Resp: 15700

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

