

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
 Data File : VU038571.D
 Acq On : 05 Jun 2020 14:35
 Operator : SY/MD
 Sample : L2860-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D58

Quant Time: Jun 06 00:15:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 06 00:12:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	302156	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	297049	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	143986	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	67495	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.93	69	61237	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.59	63	111313	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.67	46	296241	49.87	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	5.10	84	169261	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.74	65	99222	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.76	84	324785	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.72	67	102417	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.92	98	274269	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.20	79	38817	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.65	63	250474	51.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93126	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	116179	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.67	43	24533	6.310	ug/L	100
16) Methylene chloride	3.08	84	18702	0.888	ug/L	97
21) 2-Butanone	4.85	43	80120	12.252	ug/L #	52
23) Bromochloromethane	5.01	128	5303	0.546	ug/L	95
25) Chloroform	5.13	83	45741	1.255	ug/L	99
27) 1,2-Dichloroethane	5.83	62	9338	0.364	ug/L	96
30) Cyclohexane	5.43	56	8519	0.258	ug/L	93
35) Methylcyclohexane	6.72	83	24885	0.748	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	11554	0.554	ug/L #	86
38) Bromodichloromethane	7.13	83	67059	2.591	ug/L	94
39) cis-1,3-Dichloropropene	7.59	75	2446	0.079	ug/L #	76
45) 1,1,2-Trichloroethane	8.29	97	1588	0.101	ug/L #	16
48) 2-Hexanone	8.71	43	11227	0.994	ug/L #	89
49) Dibromochloromethane	8.83	129	66383	3.911	ug/L	100
59) 1,2,3-Trichloropropane	11.82	75	17694	1.137	ug/L	92
61) Bromoform	10.31	173	3180	0.355	ug/L #	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 06 00:12:39 2020
Response via : Initial Calibration

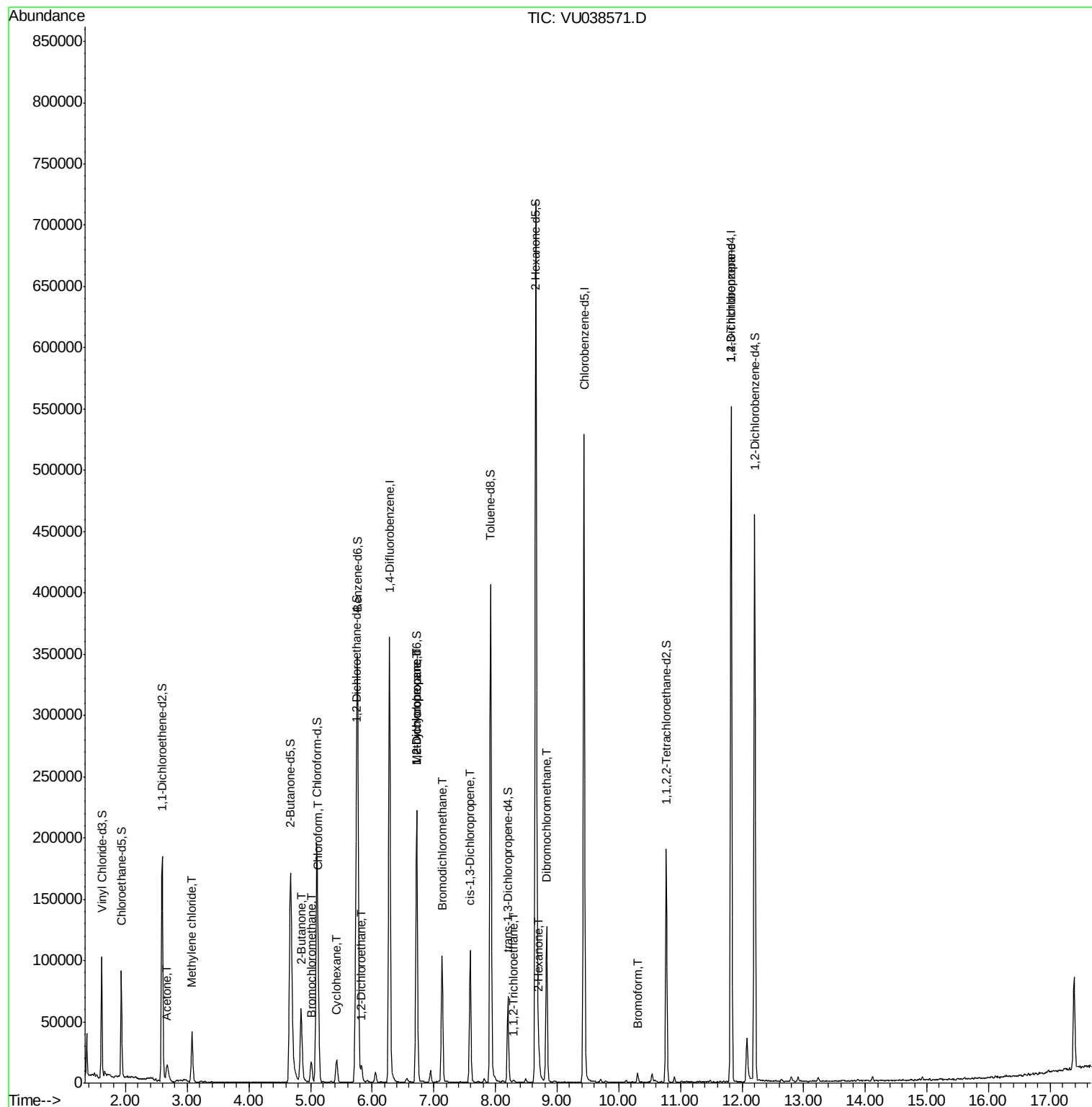
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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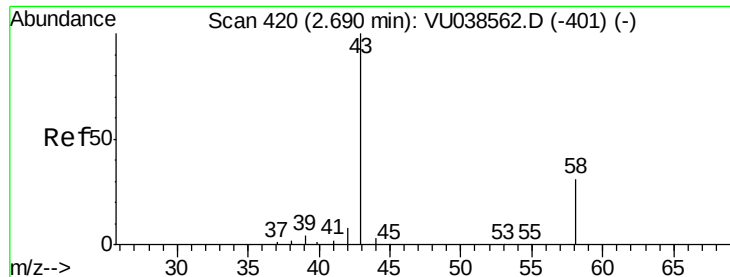
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.310 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU038571.D

Acq: 05 Jun 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

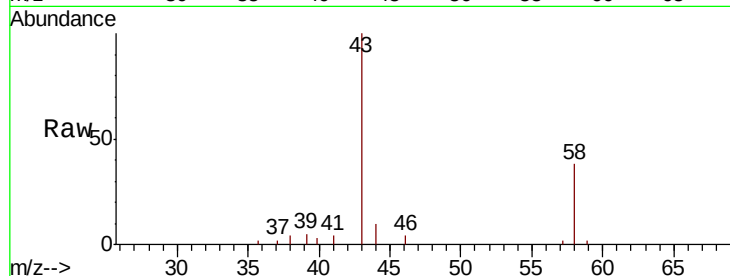
F9D58

Tot Ion: 43 Resp: 24533

Ion Ratio Lower Upper

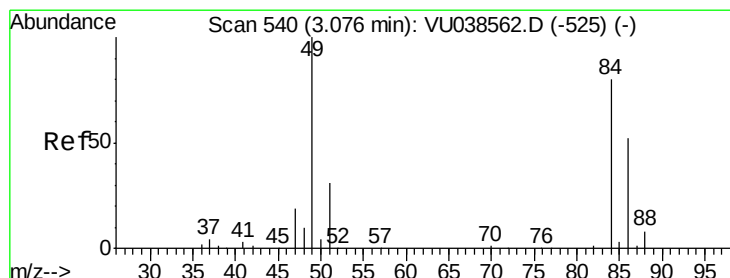
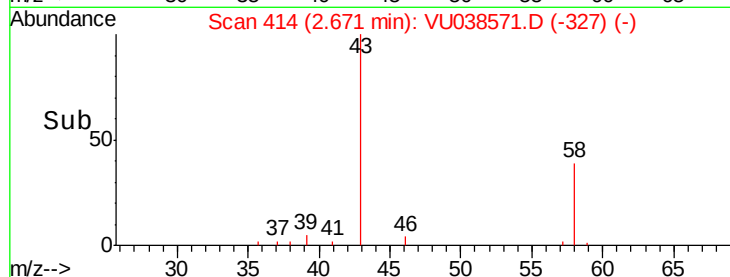
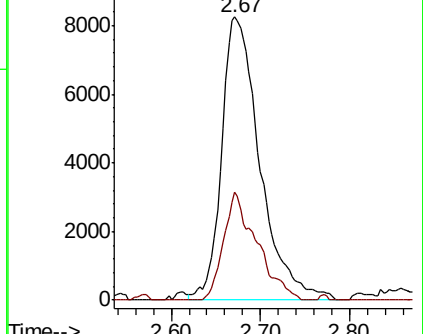
43 100

58 33.1 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038562.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038562.D (-401) (-)



#16

Methylene chloride

Concen: 0.888 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038571.D

Acq: 05 Jun 2020 14:35

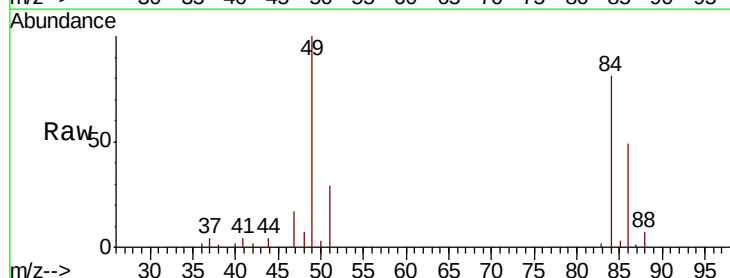
Tgt Ion: 84 Resp: 18702

Ion Ratio Lower Upper

84 100

86 60.3 45.0 83.6

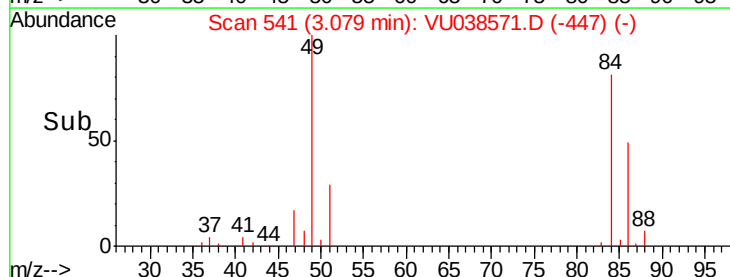
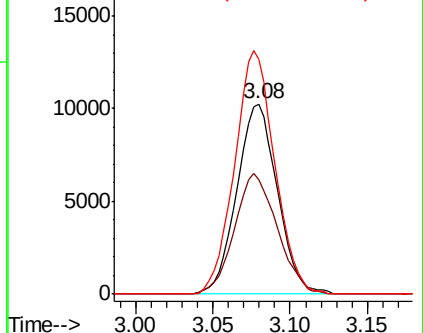
49 123.7 85.5 158.9

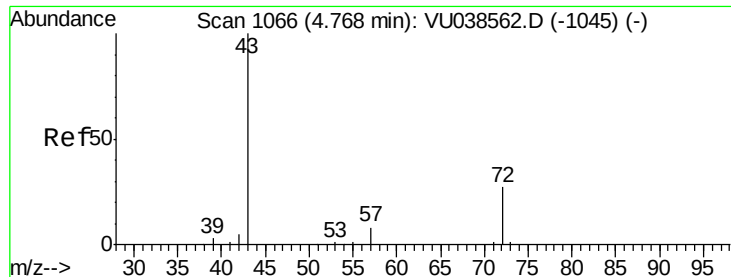


Abundance Ion 84.05 (83.75 to 84.75): VU038562.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038562.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038562.D (-525) (-)





#21

2-Butanone

Concen: 12.252 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.08 min

Lab File: VU038571.D

Acq: 05 Jun 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

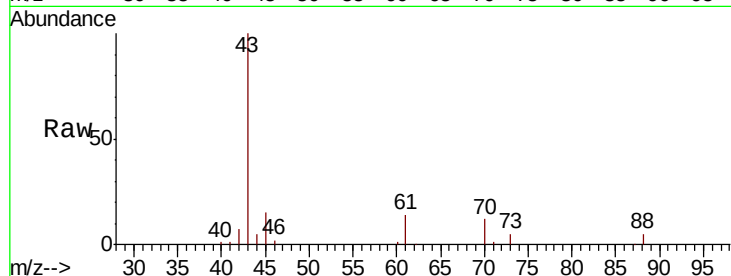
F9D58

Tot Ion: 43 Resp: 80120

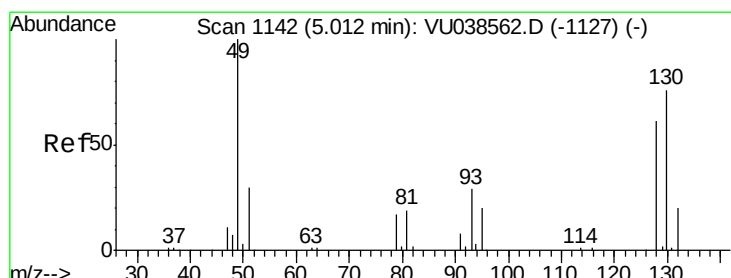
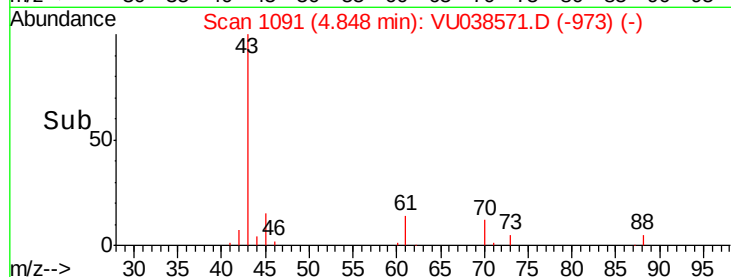
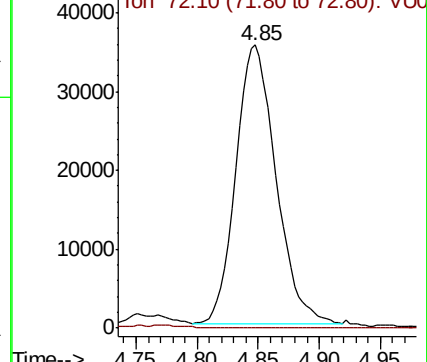
Ion Ratio Lower Upper

43 100

72 0.9 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038571.D (-973) (-)



#23

Bromochloromethane

Concen: 0.546 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038571.D

Acq: 05 Jun 2020 14:35

Tgt Ion:128 Resp: 5303

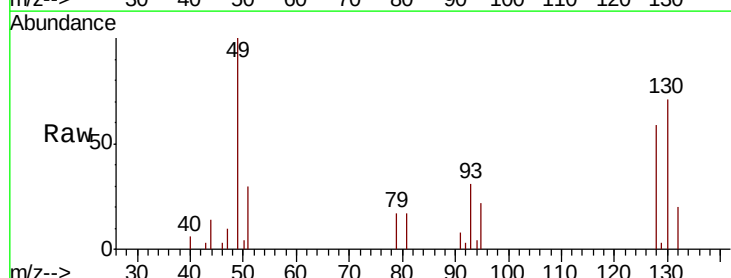
Ion Ratio Lower Upper

128 100

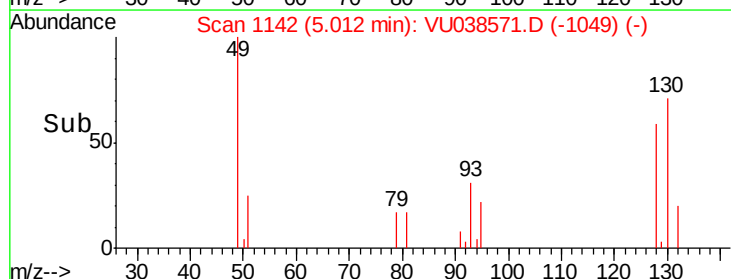
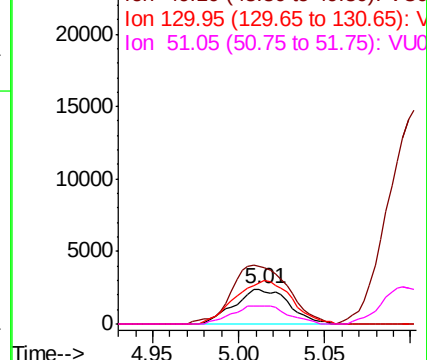
49 168.2 111.9 207.7

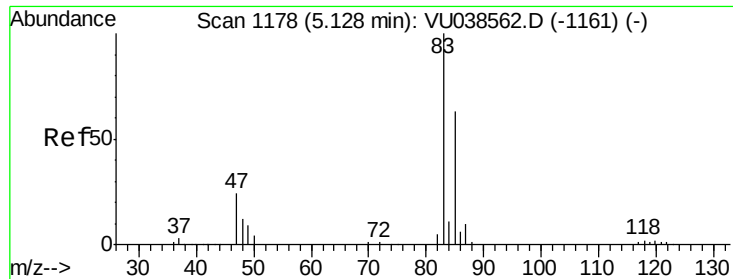
130 119.5 86.5 160.7

51 50.4 41.7 62.5



Abundance Ion 127.90 (127.60 to 128.60): VU038571.D (-1049) (-)

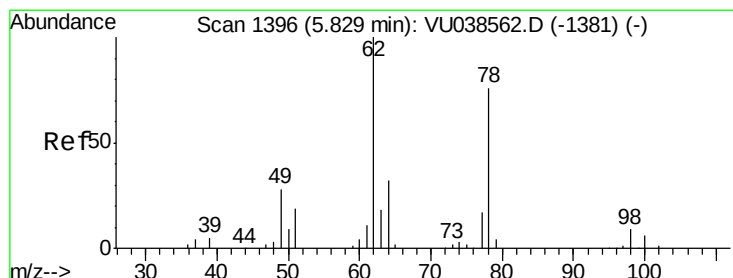
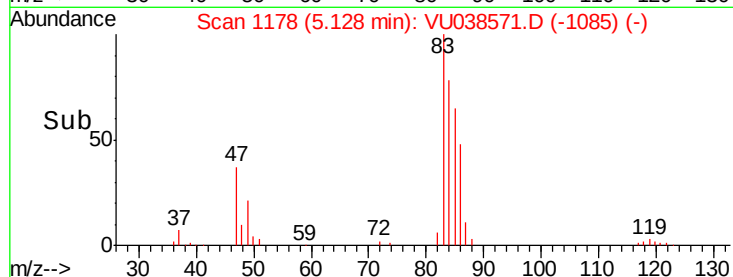
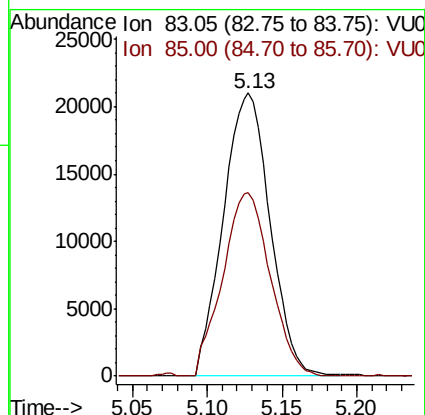
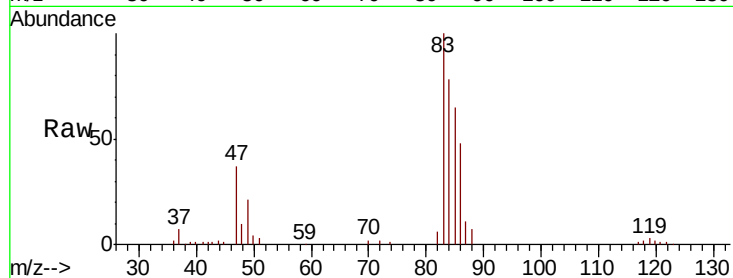




#25
Chloroform
Concen: 1.255 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038571.D
Acq: 05 Jun 2020 14:35

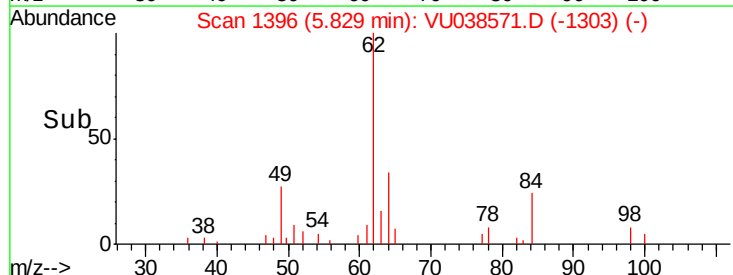
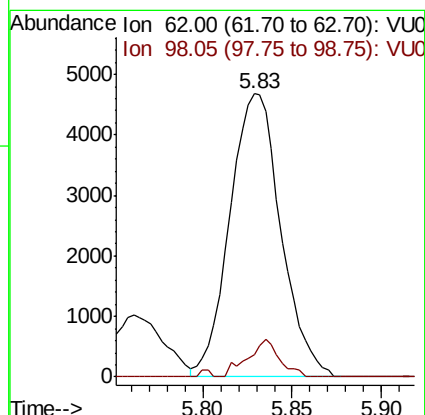
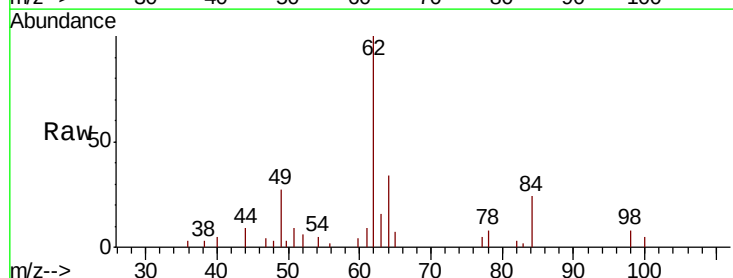
Instrument :
MSVOA_U
ClientSampleId :
F9D58

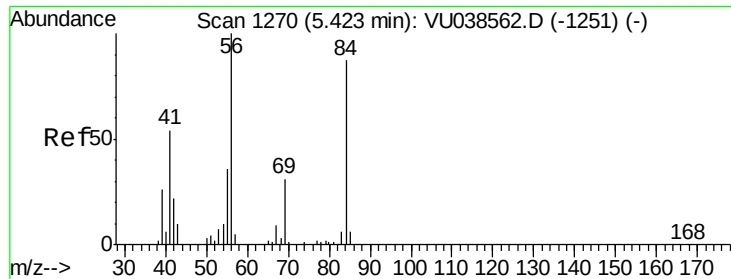
Tot Ion: 83 Resp: 45741
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.364 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038571.D
Acq: 05 Jun 2020 14:35

Tgt Ion: 62 Resp: 9338
Ion Ratio Lower Upper
62 100
98 7.9 7.4 11.2

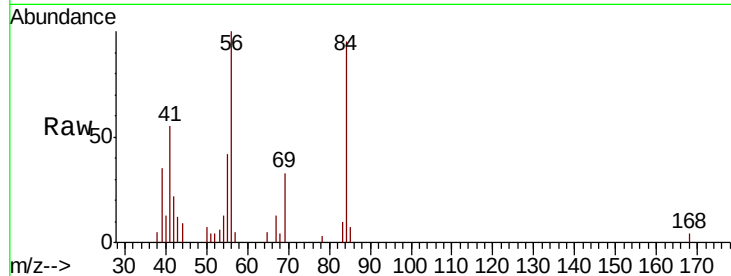




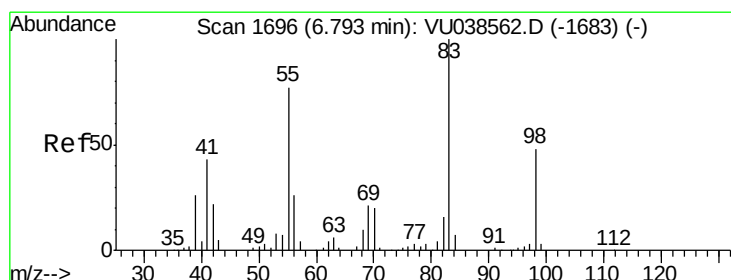
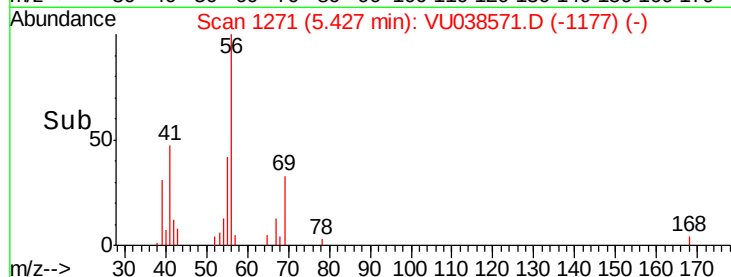
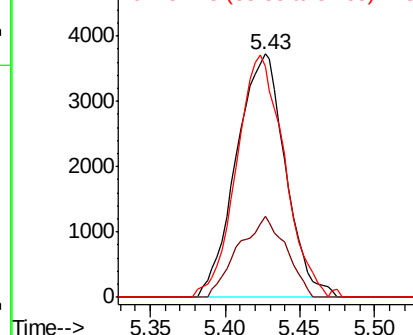
#30
Cyclohexane
Concen: 0.258 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038571.D
Acq: 05 Jun 2020 14:35

Instrument :
MSVOA_U
ClientSampleId :
F9D58

Tot Ion: 56 Resp: 8519
Ion Ratio Lower Upper
56 100
69 32.2 24.2 36.4
84 96.6 70.8 106.2

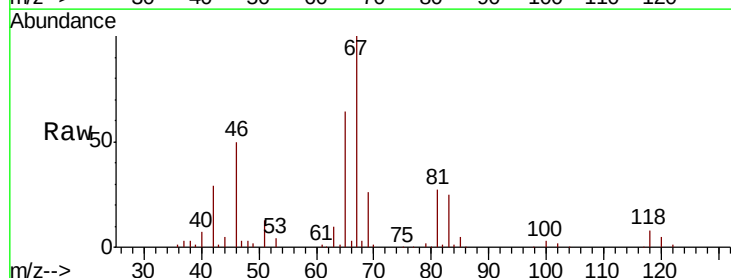


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

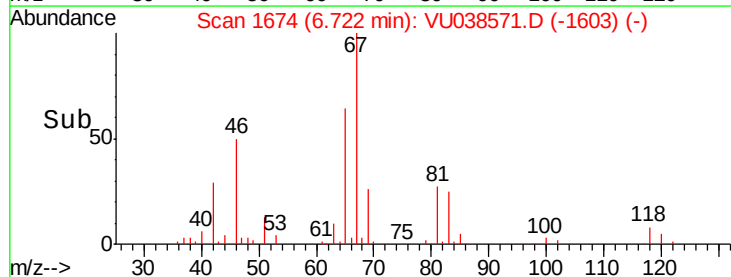
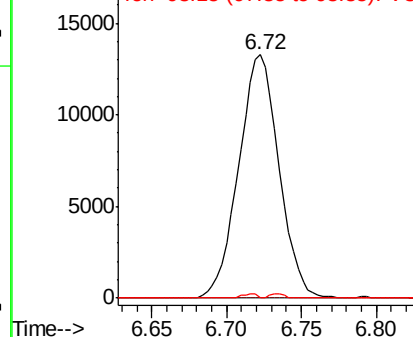


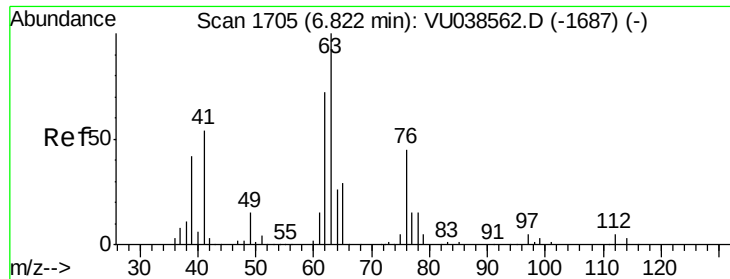
#35
Methylcyclohexane
Concen: 0.748 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038571.D
Acq: 05 Jun 2020 14:35

Tgt Ion: 83 Resp: 24885
Ion Ratio Lower Upper
83 100
55 0.0 63.4 95.2#
98 0.6 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

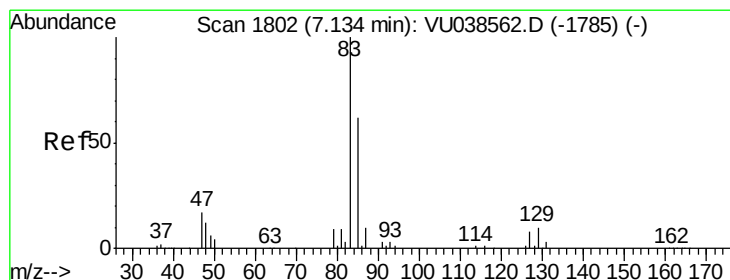
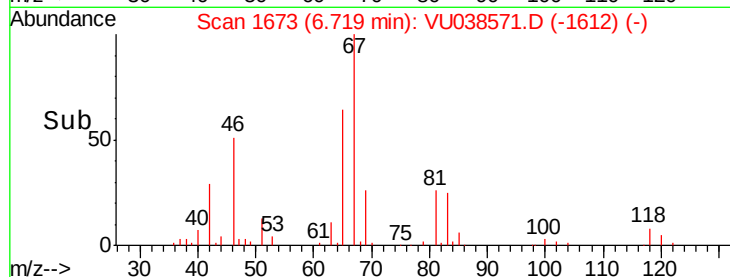
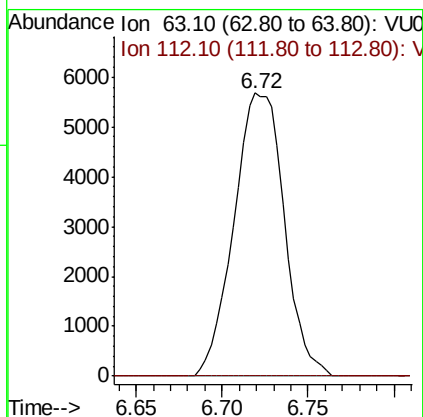
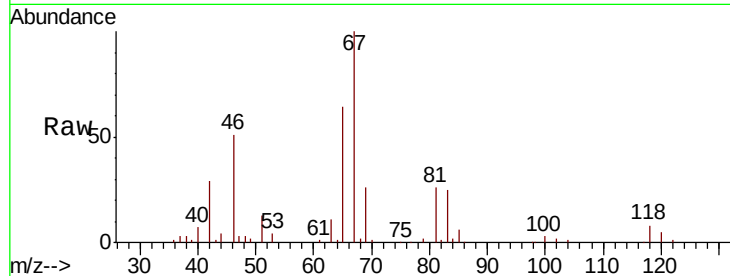




#37
 1,2-Dichloropropane
 Concen: 0.554 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038571.D
 Acq: 05 Jun 2020 14:35

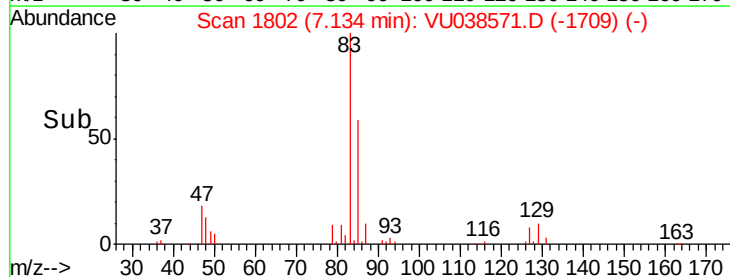
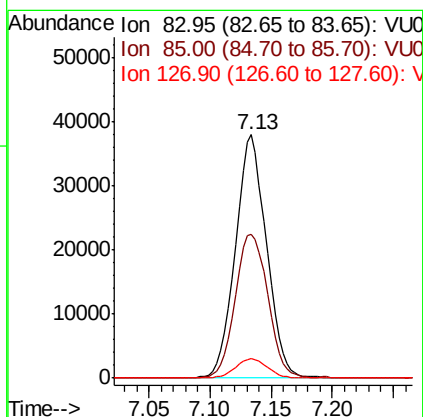
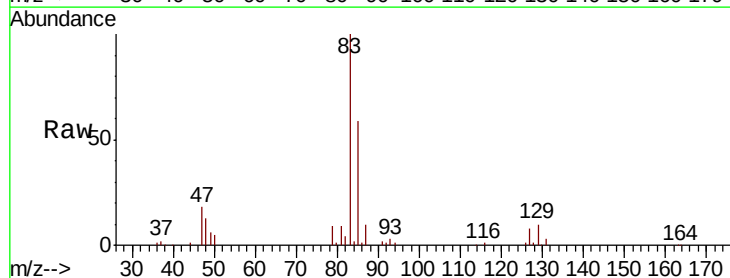
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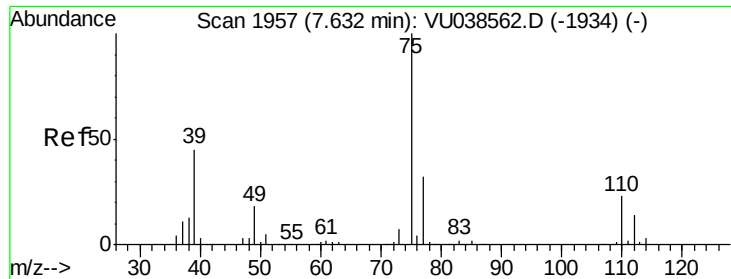
Tot Ion: 63 Resp: 11554
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 2.591 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038571.D
 Acq: 05 Jun 2020 14:35

Tgt Ion: 83 Resp: 67059
 Ion Ratio Lower Upper
 83 100
 85 59.0 44.7 83.1
 127 7.9 6.8 10.2

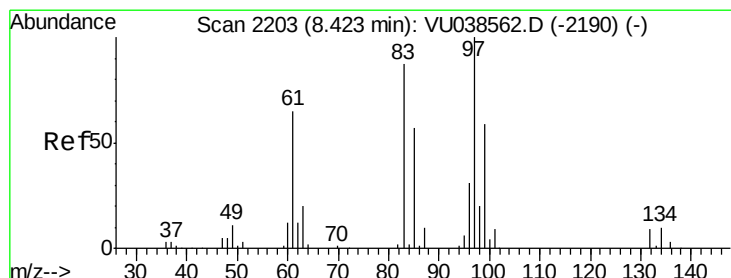
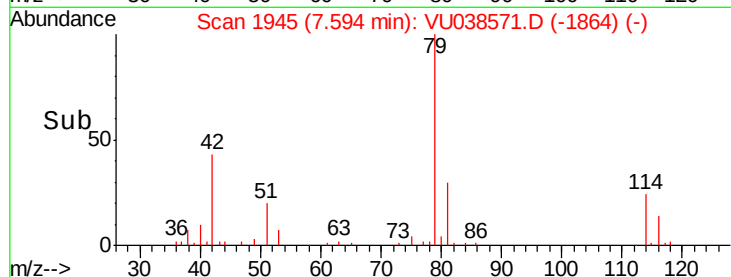
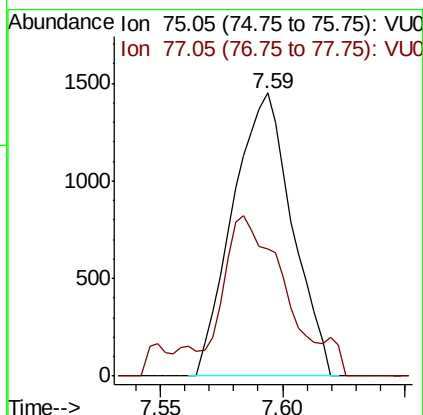
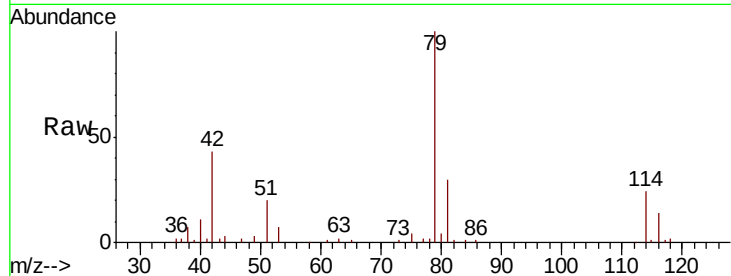




#39
 cis-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038571.D
 Acq: 05 Jun 2020 14:35

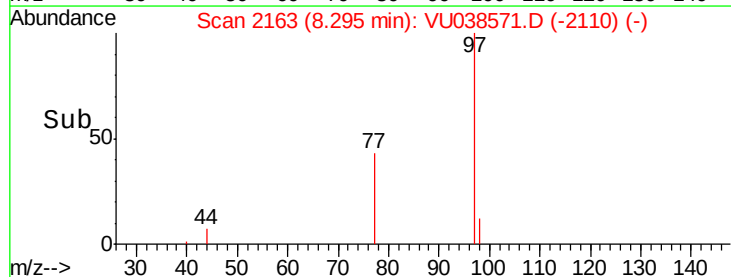
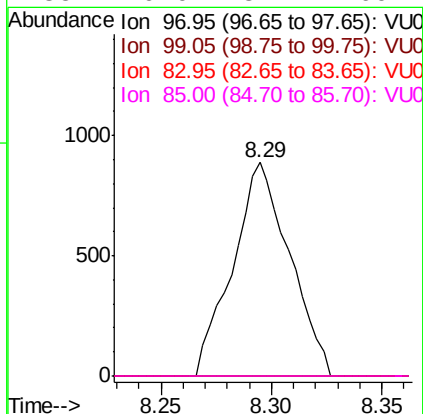
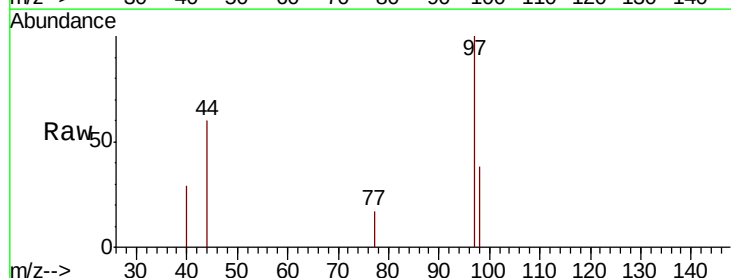
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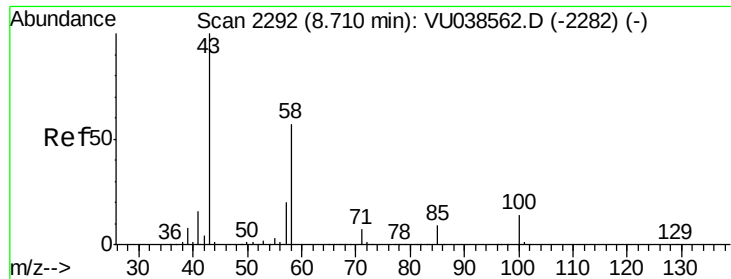
Tot Ion: 75 Resp: 2446
 Ion Ratio Lower Upper
 75 100
 77 44.8 21.9 40.7#



#45
 1,1,2-Trichloroethane
 Concen: 0.101 ug/L
 RT: 8.29 min Scan# 2163
 Delta R.T. -0.13 min
 Lab File: VU038571.D
 Acq: 05 Jun 2020 14:35

Tgt Ion: 97 Resp: 1588
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.1 78.1#
 83 0.0 58.8 109.2#
 85 0.0 37.4 69.4#

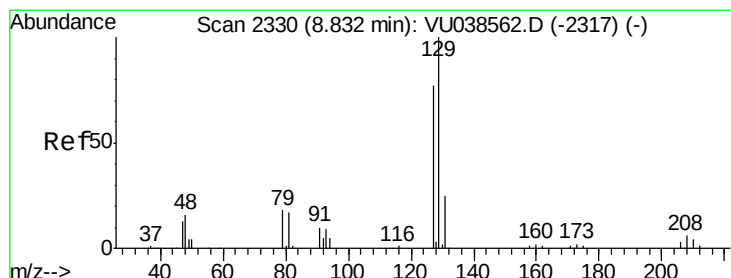
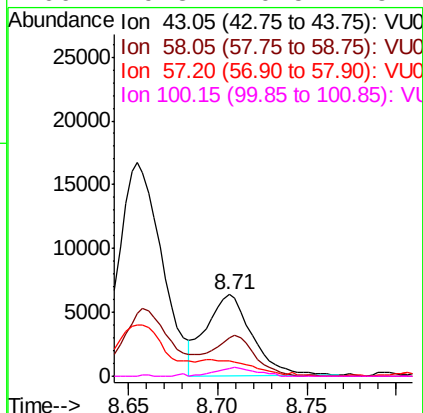
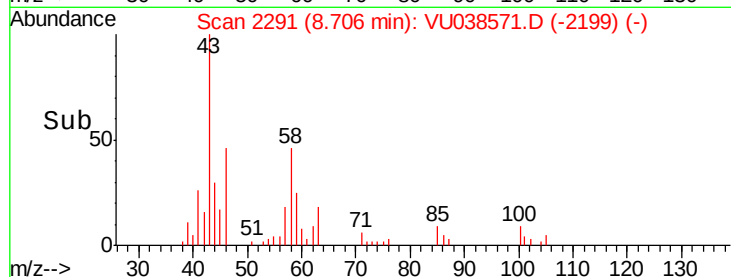
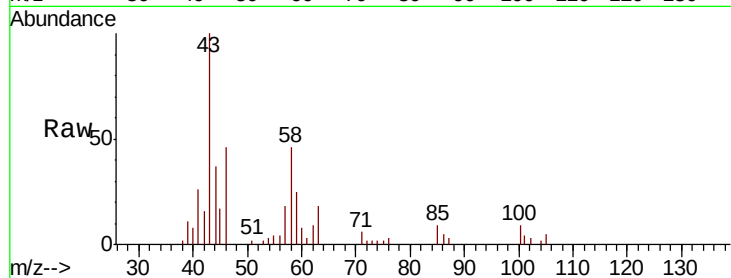




#48
2-Hexanone
Concen: 0.994 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038571.D
Acq: 05 Jun 2020 14:35

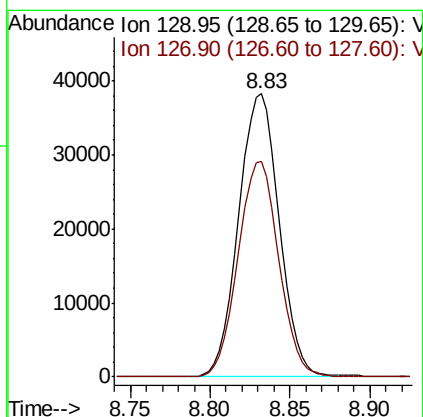
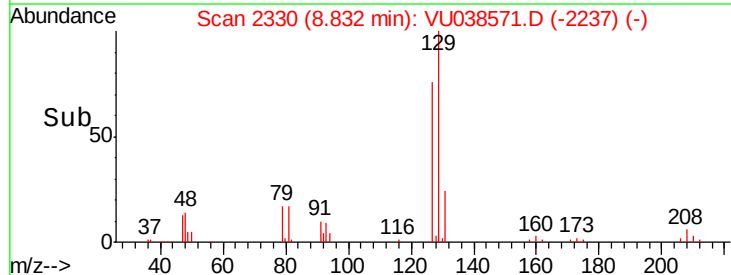
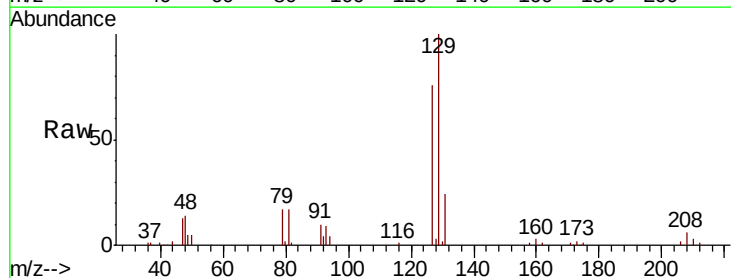
Instrument :
MSVOA_U
ClientSampleId :
F9D58

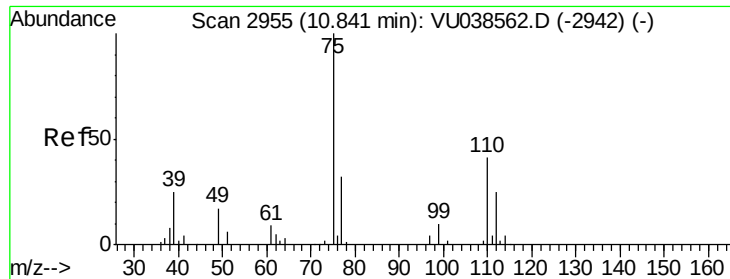
Tot Ion	Ratio	Lower	Upper
43	100		
58	45.6	45.4	68.0
57	20.0	15.9	23.9
100	9.3	10.5	15.7



#49
Dibromochloromethane
Concen: 3.911 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038571.D
Acq: 05 Jun 2020 14:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.3	99.1





#59

1,2,3-Trichloropropane

Concen: 1.137 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038571.D

Acq: 05 Jun 2020 14:35

Instrument :

MSVOA_U

ClientSampleId :

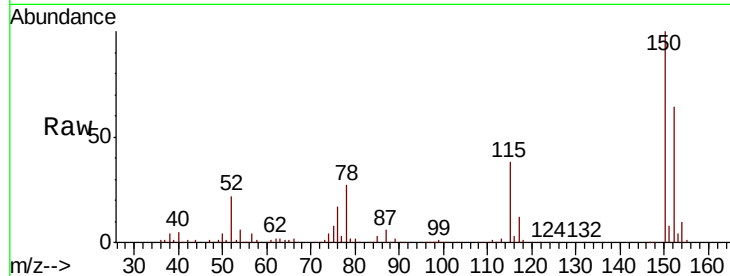
F9D58

Tot Ion: 75 Resp: 17694

Ion Ratio Lower Upper

75 100

77 36.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038562.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU038562.D (-2942) (-)

11.82

12000

10000

8000

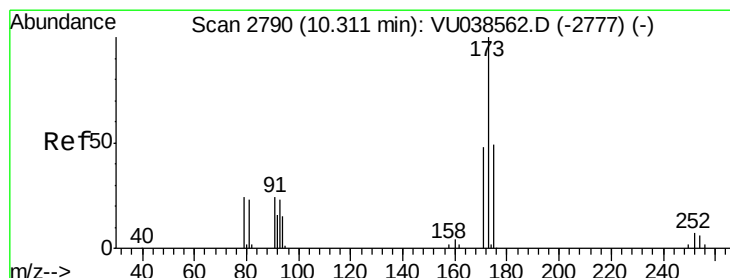
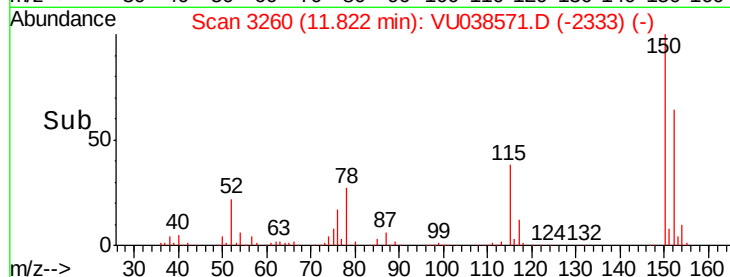
6000

4000

2000

0

Time--> 11.75 11.80 11.85



#61

Bromoform

Concen: 0.355 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038571.D

Acq: 05 Jun 2020 14:35

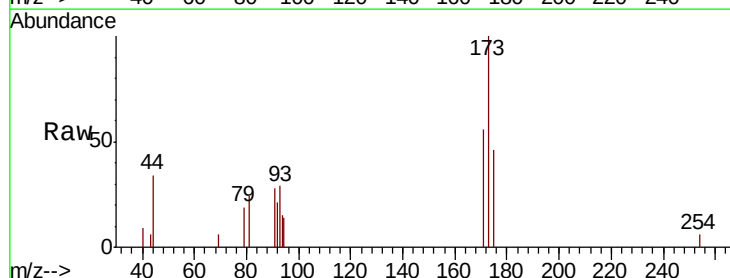
Tgt Ion: 173 Resp: 3180

Ion Ratio Lower Upper

173 100

175 44.5 38.7 58.1

254 3.6 5.4 8.2#



Abundance Ion 172.90 (172.60 to 173.60): VU038562.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038562.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038562.D (-2777) (-)

2500

2000

1500

1000

500

0

Time--> 10.25 10.30 10.35

