

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040568.D
 Acq On : 08 Oct 2020 17:55
 Operator : SY/MD
 Sample : L4286-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT7

Quant Time: Oct 09 02:05:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:55:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	161129	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	160193	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72983	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	60216	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.93	69	46719	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.58	63	89415	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.66	46	208687	48.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.68%
24) Chloroform-d	5.08	84	104899	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.72	65	63445	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.75	84	201882	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	67954	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	169116	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	28100	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	149397	47.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	57461	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	68215	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

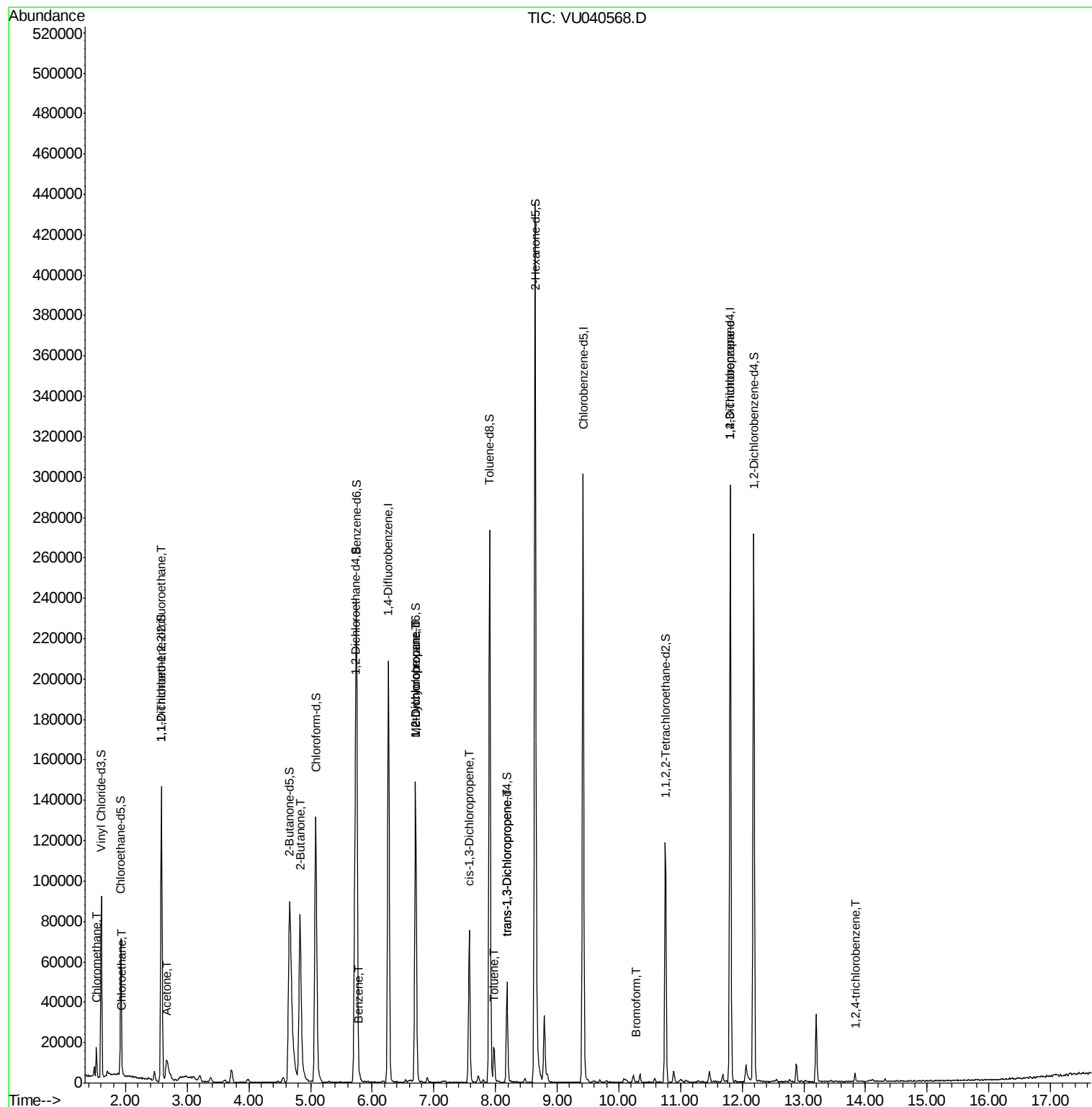
					Ovalue
3) Chloromethane	1.53	50	9701	0.711	ug/L 94
8) Chloroethane	1.95	64	528	0.058	ug/L # 61
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	746	0.056	ug/L # 20
13) Acetone	2.67	43	28373	8.567	ug/L 61
21) 2-Butanone	4.83	43	133423	25.841	ug/L # 53
33) Benzene	5.79	78	1788	0.035	ug/L 100
35) Methylcyclohexane	6.70	83	15624	0.826	ug/L # 15
37) 1,2-Dichloropropane	6.70	63	7566	0.528	ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1947	0.099	ug/L # 53
42) Toluene	7.98	91	11179	0.213	ug/L 95
44) trans-1,3-Dichloropropene	8.19	75	1032	0.057	ug/L # 27
59) 1,2,3-Trichloropropane	11.81	75	9955	0.945	ug/L 94
61) Bromoform	10.29	173	272	0.043	ug/L # 37
68) 1,2,4-trichlorobenzene	13.83	180	1476	0.113	ug/L # 90

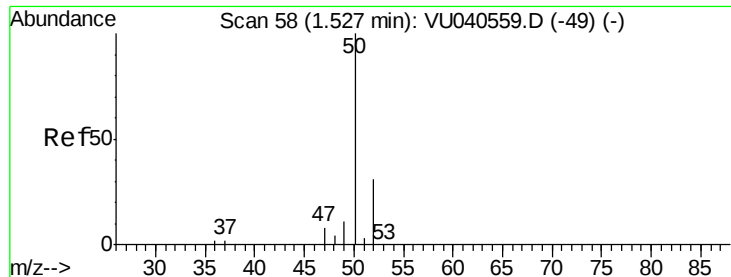
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 09 01:55:27 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.711 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040568.D

Acq: 08 Oct 2020 17:55

Instrument :

MSVOA_U

ClientSampleId :

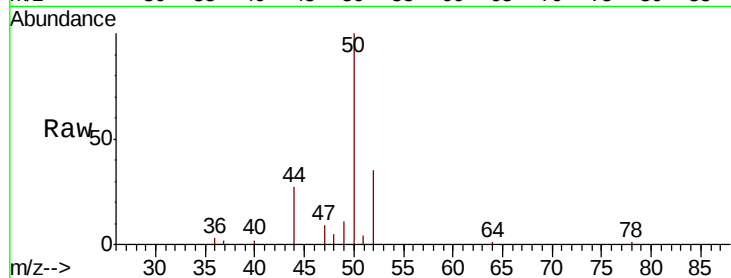
C0AT7

Tot Ion: 50 Resp: 9701

Ion Ratio Lower Upper

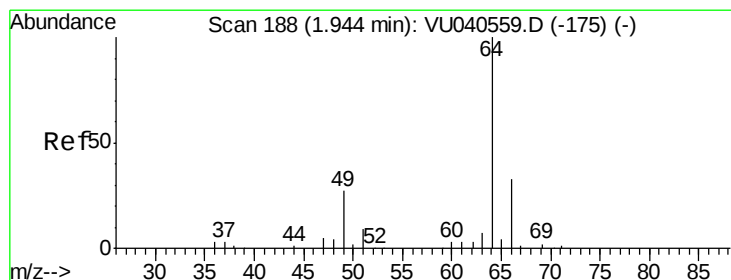
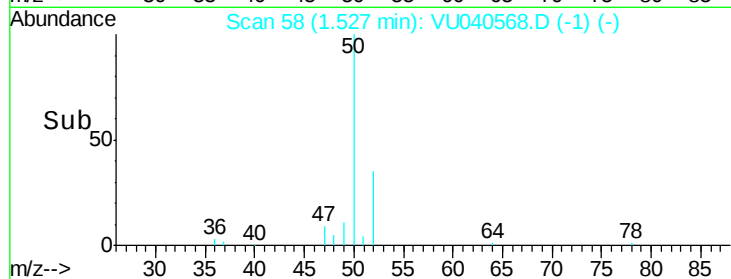
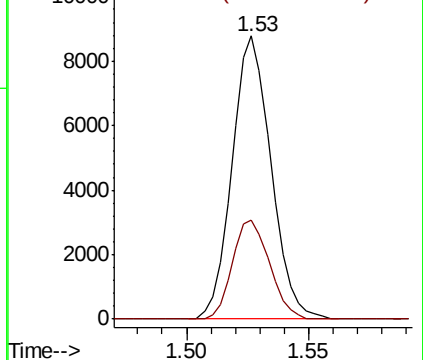
50 100

52 34.8 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040559.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040559.D (-49) (-)



#8

Chloroethane

Concen: 0.058 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU040568.D

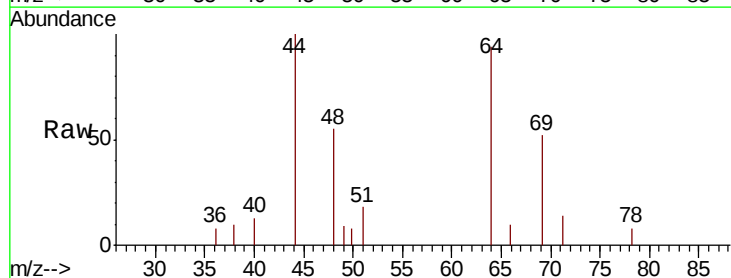
Acq: 08 Oct 2020 17:55

Tgt Ion: 64 Resp: 528

Ion Ratio Lower Upper

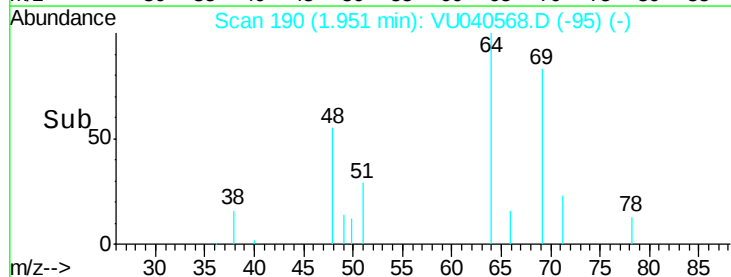
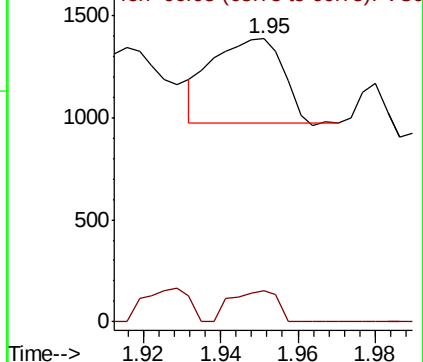
64 100

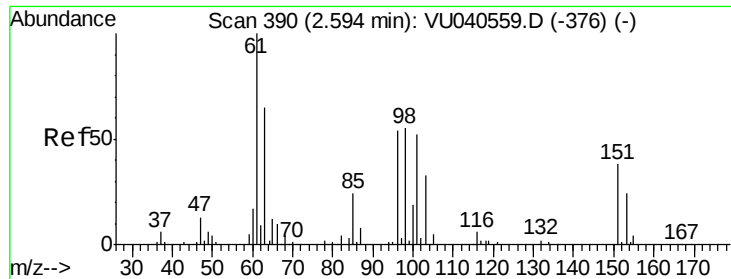
66 11.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040559.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU040559.D (-175) (-)





#10

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

Concen: 0.056 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040568.D

Acq: 08 Oct 2020 17:55

Instrument :

MSVOA_U

ClientSampleId :

C0AT7

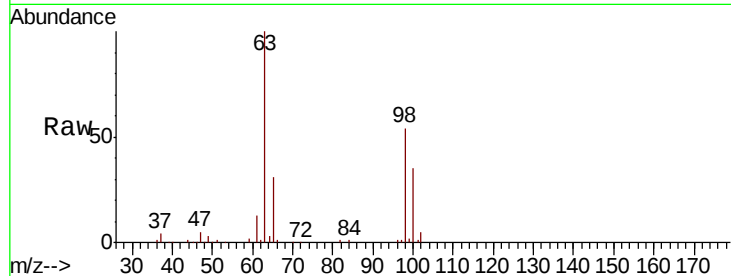
Tot Ion:101 Resp: 746

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

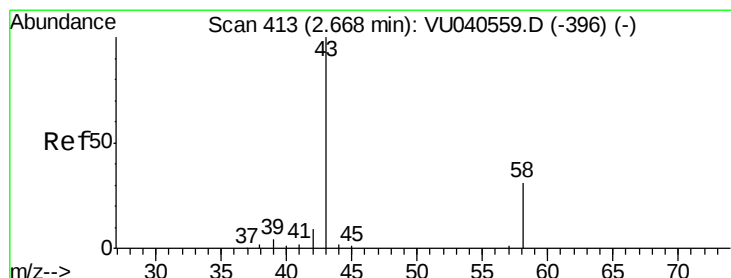
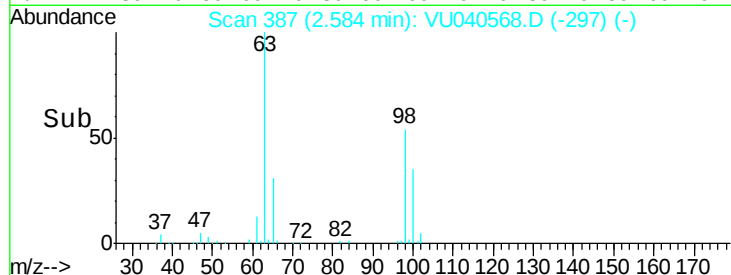
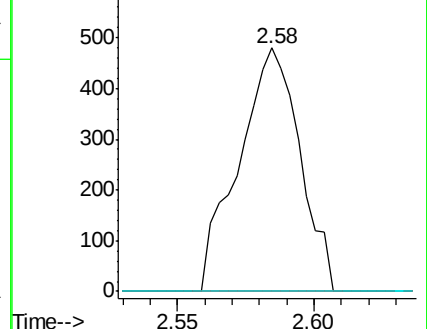
151 0.0 58.0 87.0#



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



#13

Acetone

Concen: 8.567 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040568.D

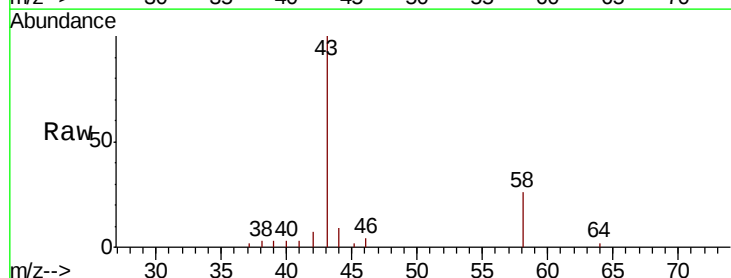
Acq: 08 Oct 2020 17:55

Tgt Ion: 43 Resp: 28373

Ion Ratio Lower Upper

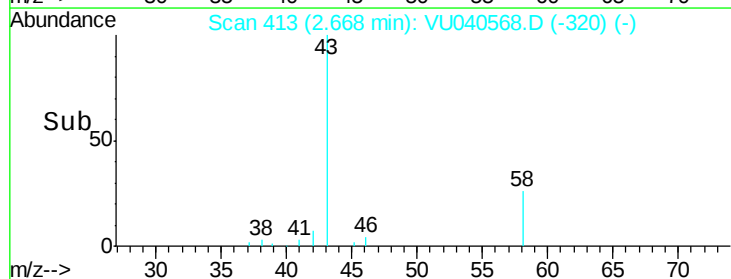
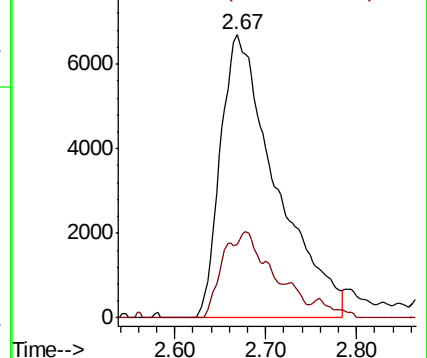
43 100

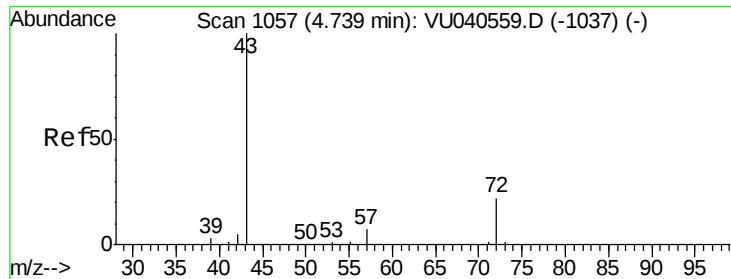
58 9.2 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

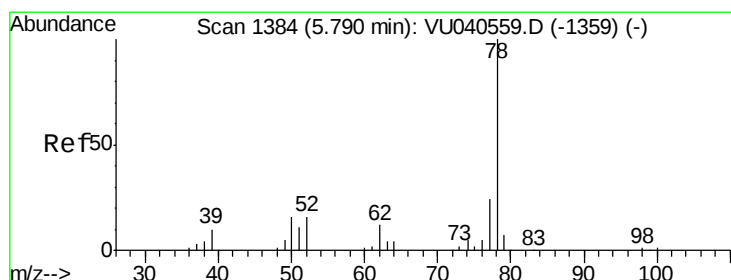
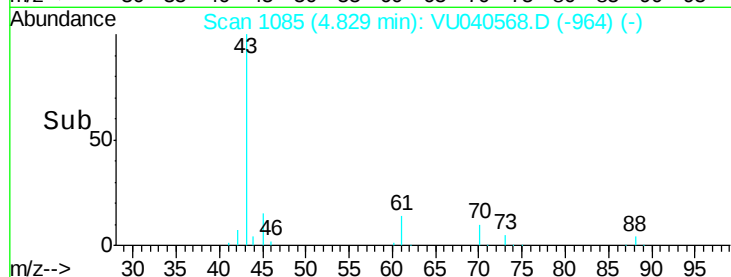
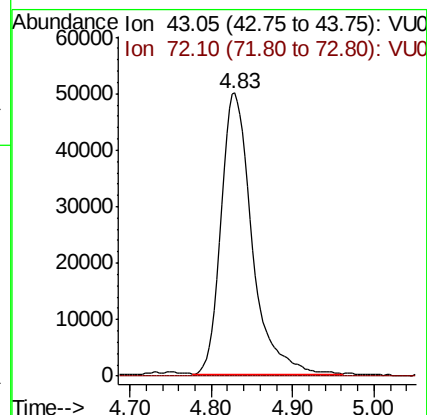
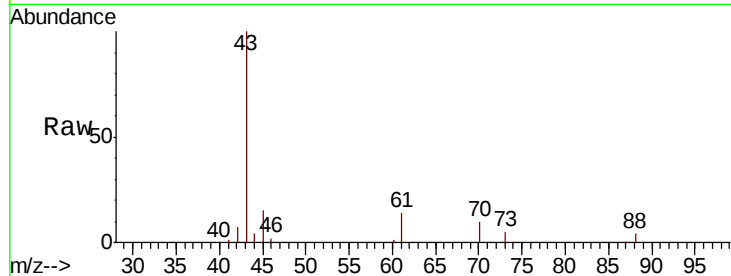




#21
2-Butanone
Concen: 25.841 ug/L
RT: 4.83 min Scan# 1085
Delta R.T. 0.09 min
Lab File: VU040568.D
Acq: 08 Oct 2020 17:55

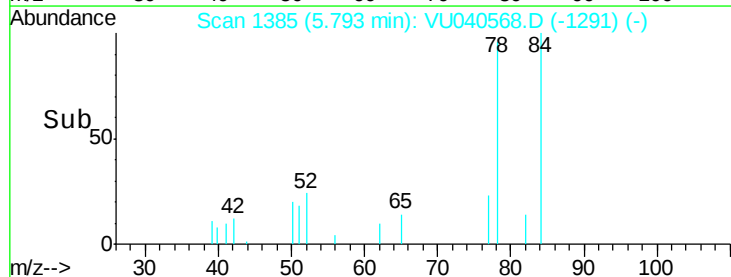
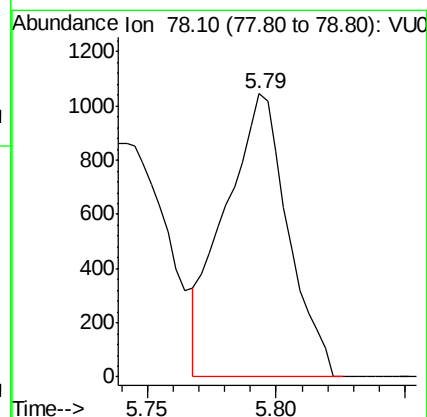
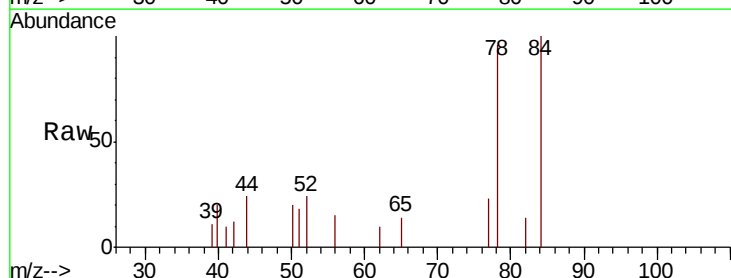
Instrument :
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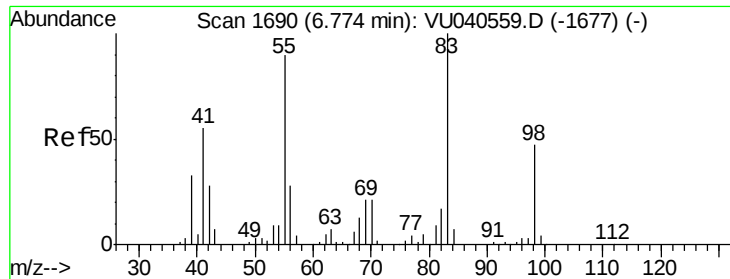
Tot Ion: 43 Resp: 133423
Ion Ratio Lower Upper
43 100
72 0.0 11.4 34.2#



#33
Benzene
Concen: 0.035 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU040568.D
Acq: 08 Oct 2020 17:55

Tgt Ion: 78 Resp: 1788

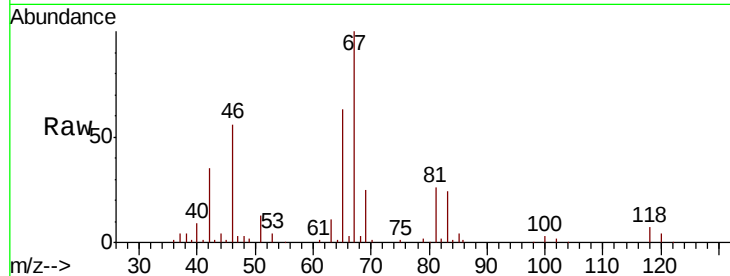




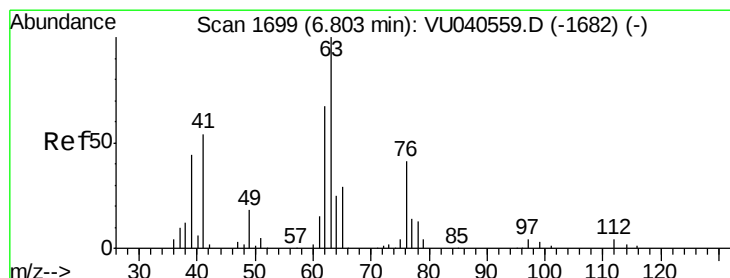
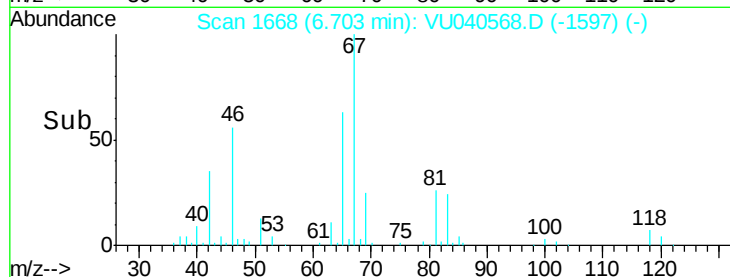
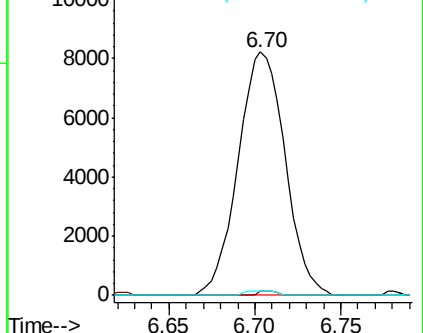
#35
Methvlcvclohexane
Concen: 0.826 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040568.D
Acq: 08 Oct 2020 17:55

Instrument :
MSVOA_U
ClientSampleId :
C0AT7

Tot Ion: 83 Resp: 15624
Ion Ratio Lower Upper
83 100
55 0.7 70.7 106.1#
98 1.2 38.4 57.6#

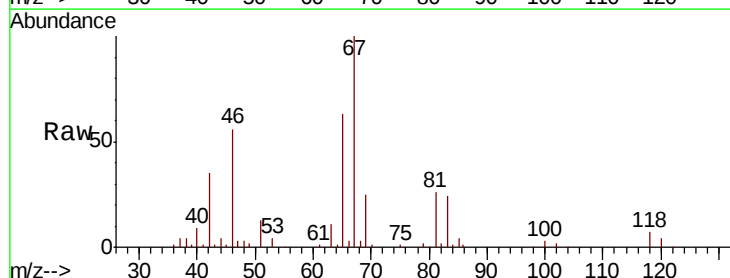


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

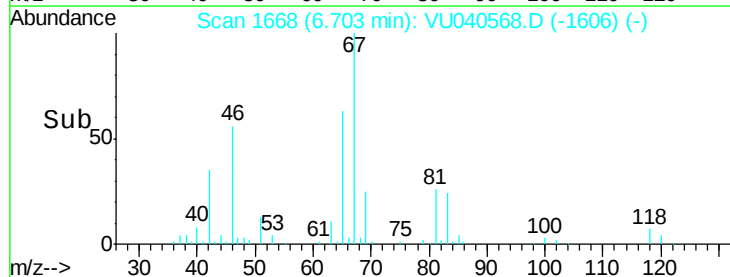
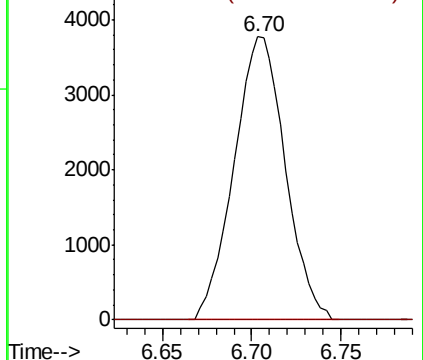


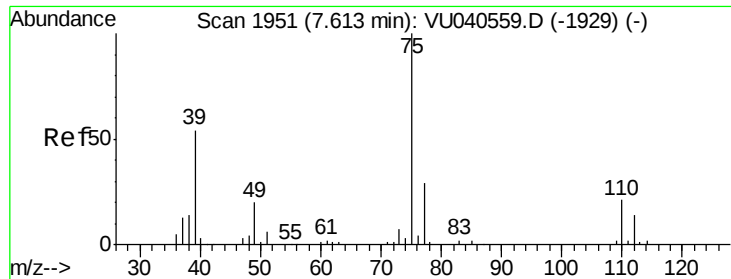
#37
1,2-Dichloropropane
Concen: 0.528 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040568.D
Acq: 08 Oct 2020 17:55

Tgt Ion: 63 Resp: 7566
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



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

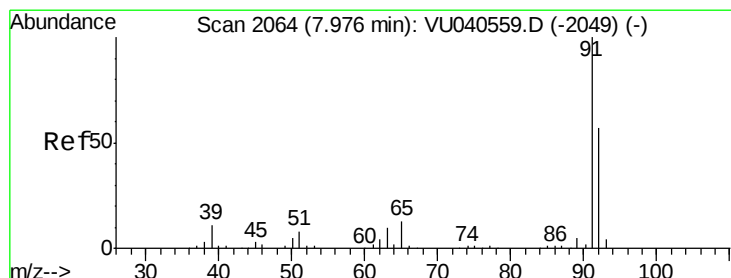
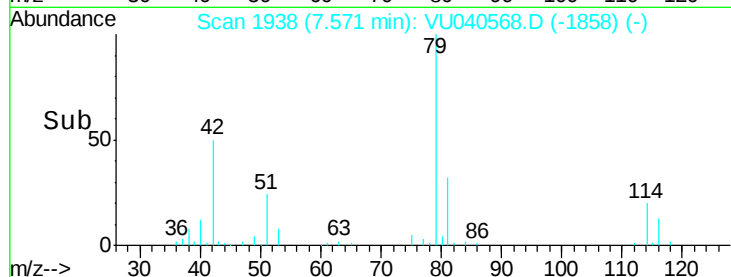
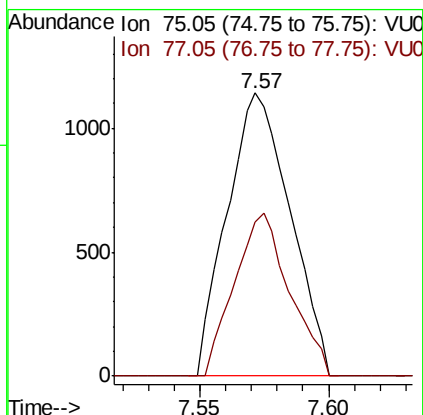
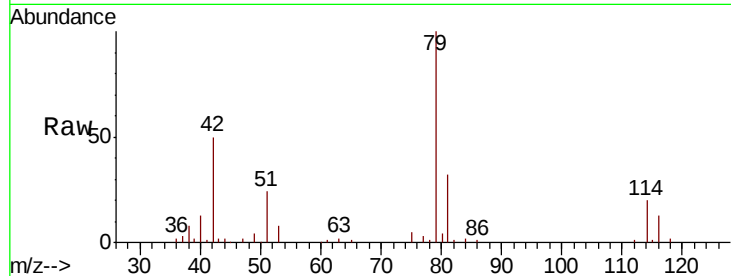




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040568.D
 Acq: 08 Oct 2020 17:55

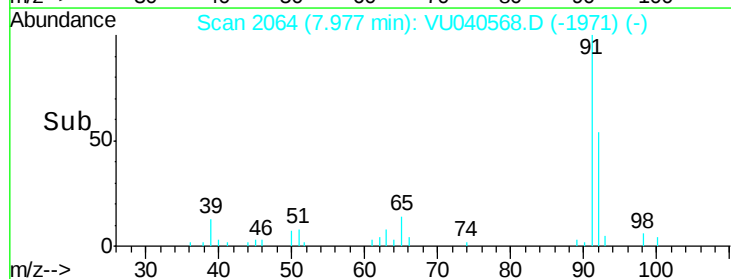
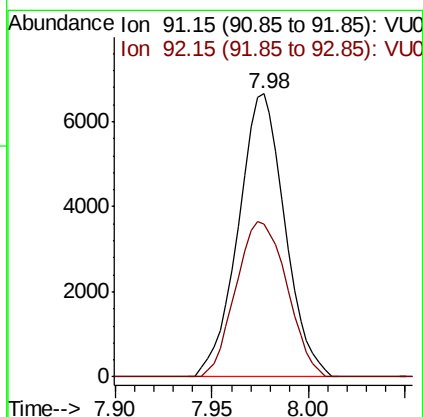
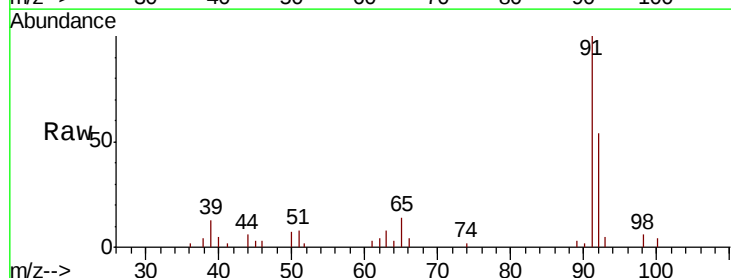
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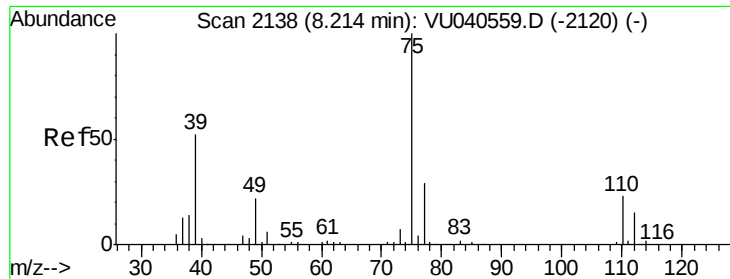
Tot Ion: 75 Resp: 1947
 Ion Ratio Lower Upper
 75 100
 77 54.6 20.5 38.1#



#42
 Toluene
 Concen: 0.213 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040568.D
 Acq: 08 Oct 2020 17:55

Tgt Ion: 91 Resp: 11179
 Ion Ratio Lower Upper
 91 100
 92 54.1 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040568.D

Acq: 08 Oct 2020 17:55

Instrument :

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ClientSampleId :

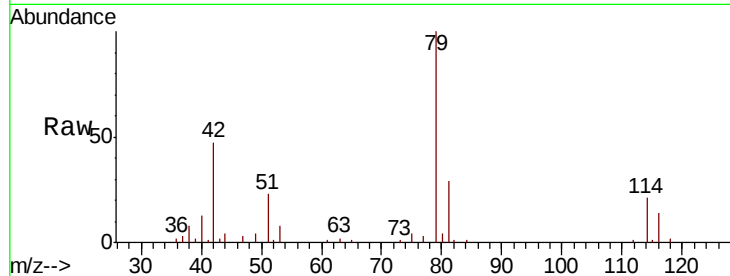
C0AT7

Tot Ion: 75 Resp: 1032

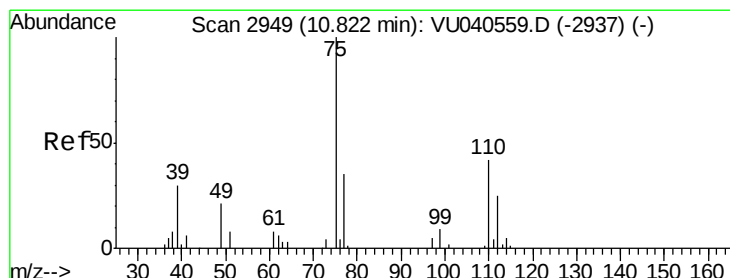
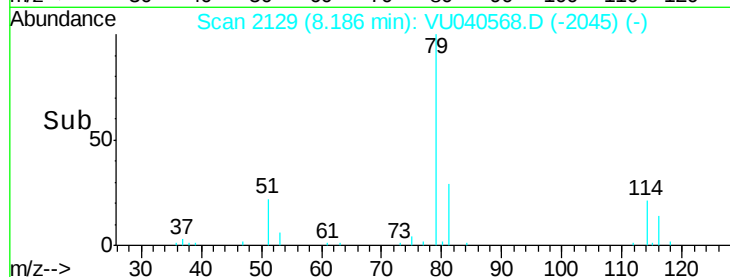
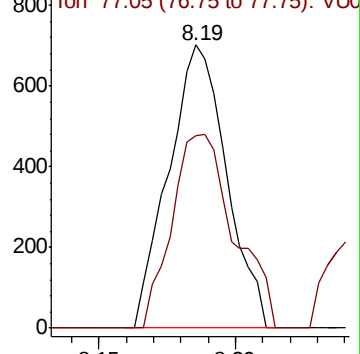
Ion Ratio Lower Upper

75 100

77 68.1 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040559.D (-2120) (-)



#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040568.D

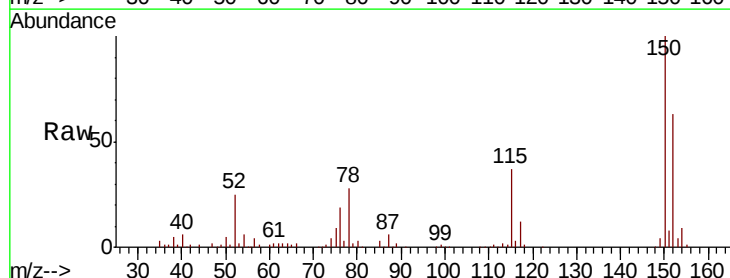
Acq: 08 Oct 2020 17:55

Tgt Ion: 75 Resp: 9955

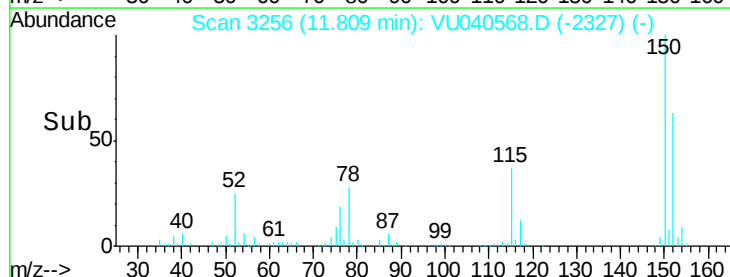
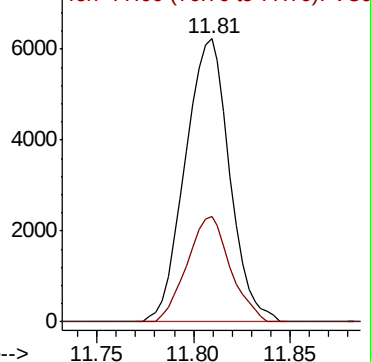
Ion Ratio Lower Upper

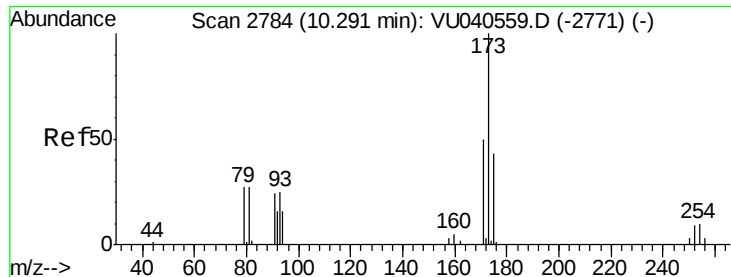
75 100

77 36.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040559.D (-2937) (-)





#61

Bromoform

Concen: 0.043 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040568.D

Acq: 08 Oct 2020 17:55

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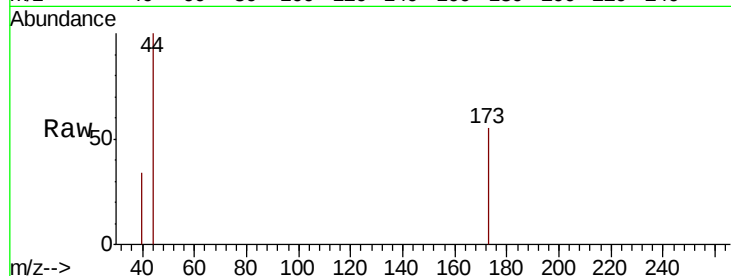
Tot Ion:173 Resp: 272

Ion Ratio Lower Upper

173 100

175 0.0 37.4 56.0#

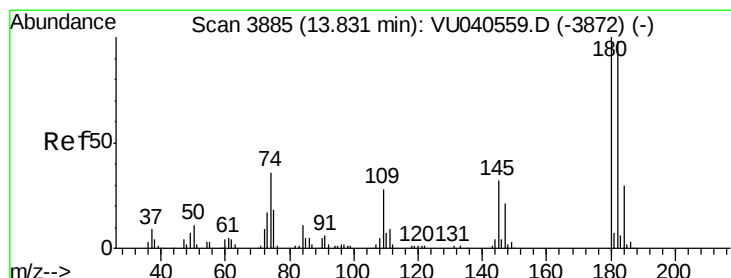
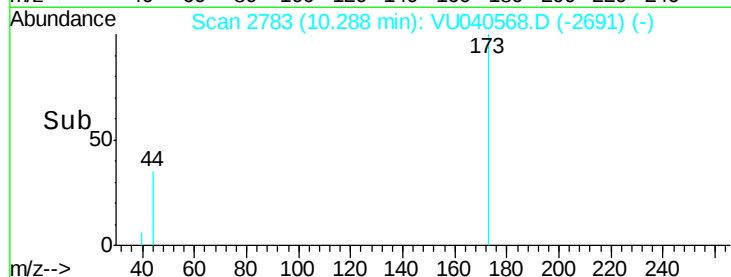
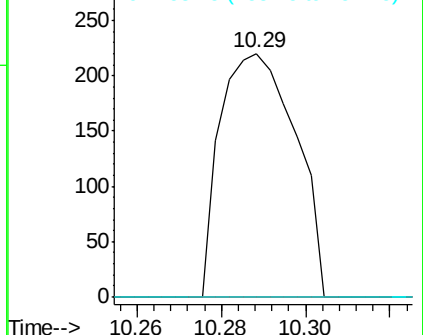
254 0.0 7.4 11.2#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2,4-trichlorobenzene

Concen: 0.113 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VU040568.D

Acq: 08 Oct 2020 17:55

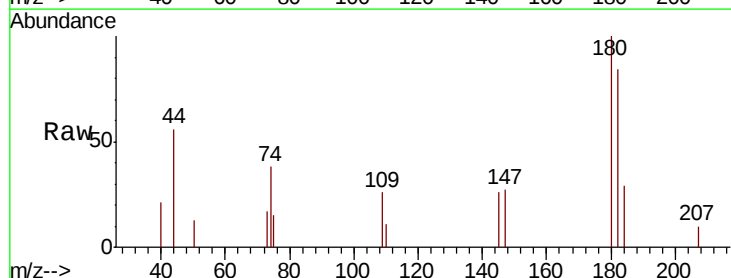
Tgt Ion:180 Resp: 1476

Ion Ratio Lower Upper

180 100

182 92.1 78.8 118.2

145 20.3 26.1 39.1#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

