

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041920.D
 Acq On : 11 Jan 2021 15:08
 Operator : SY/MD
 Sample : M1049-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR0

Quant Time: Jan 12 03:26:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111935	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110771	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48445	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32847	3.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.60%
7) Chloroethane-d5	1.92	69	36804	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.58	63	50759	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.66	46	138597	52.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.72%
24) Chloroform-d	5.08	84	75390	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.72	65	45010	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	142715	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.70	67	47506	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.90	98	116147	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.19	79	17826	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	115713	53.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44910	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45708	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

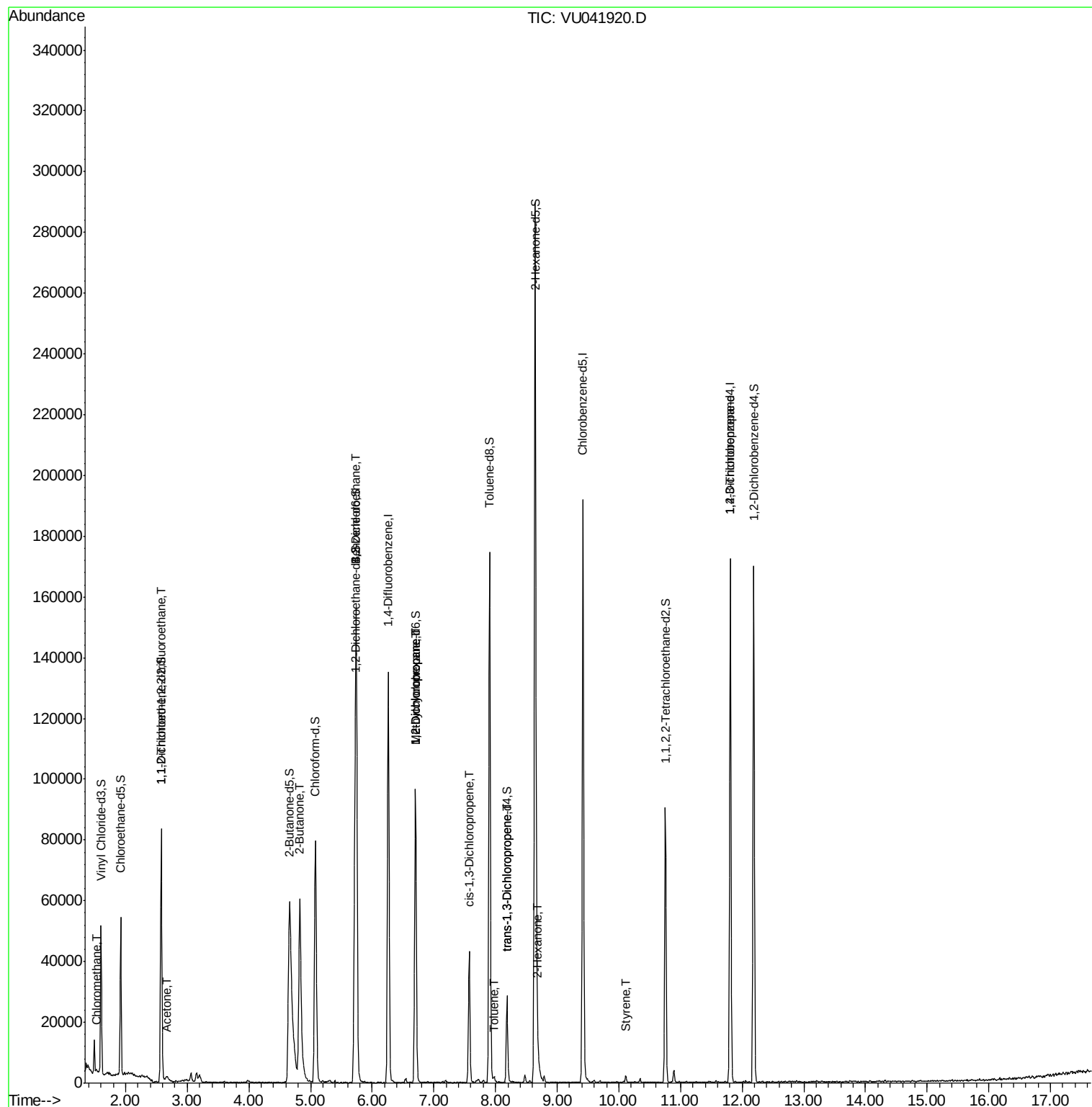
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	818	0.069	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	556	0.062	ug/L #	20
13) Acetone	2.67	43	1718	1.009	ug/L	72
21) 2-Butanone	4.83	43	97698	36.974	ug/L #	48
27) 1,2-Dichloroethane	5.74	62	781	0.073	ug/L #	73
35) Methylcyclohexane	6.70	83	11195	0.813	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5090	0.572	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	991	0.075	ug/L #	44
42) Toluene	7.98	91	1286	0.035	ug/L	91
44) trans-1,3-Dichloropropene	8.18	75	719	0.062	ug/L #	48
48) 2-Hexanone	8.69	43	2674	0.642	ug/L #	88
55) Styrene	10.11	104	1097	0.045	ug/L	82
59) 1,2,3-Trichloropropane	11.81	75	5314	0.817	ug/L	96

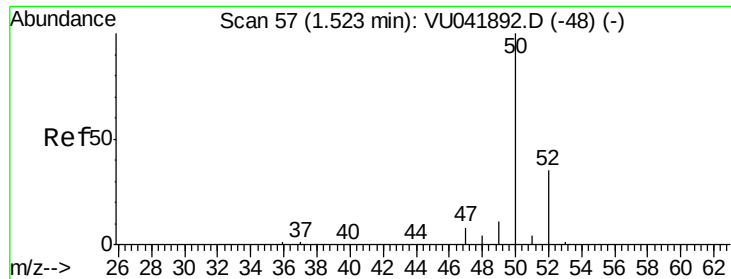
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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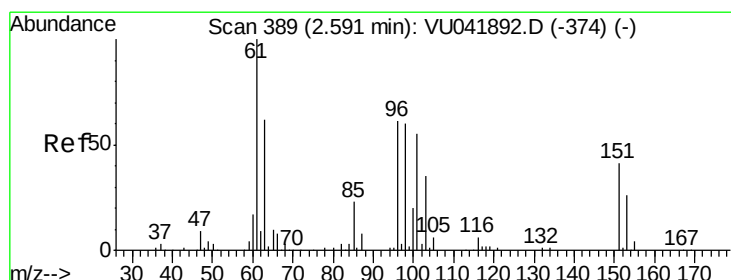
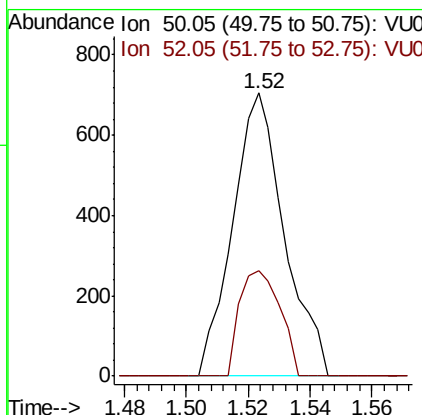
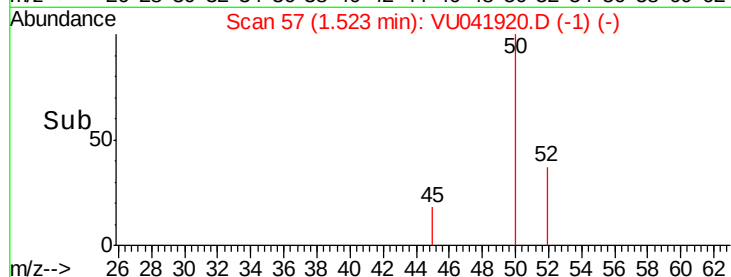
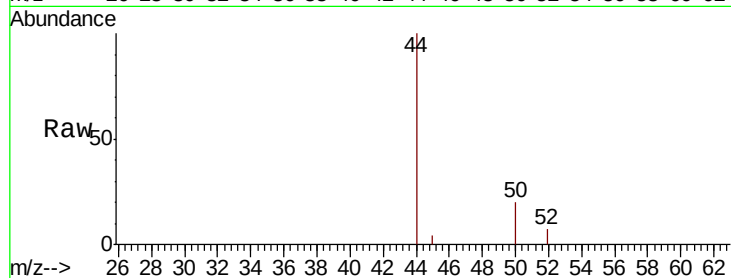




#3
 Chloromethane
 Concen: 0.069 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VU041920.D
 Acq: 11 Jan 2021 15:08

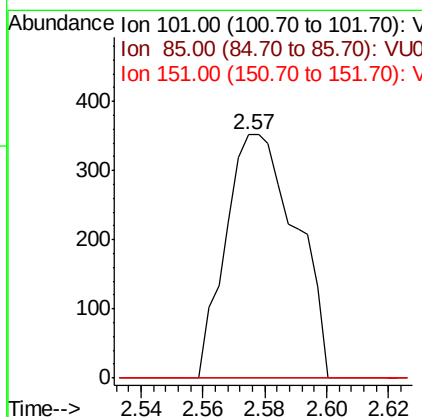
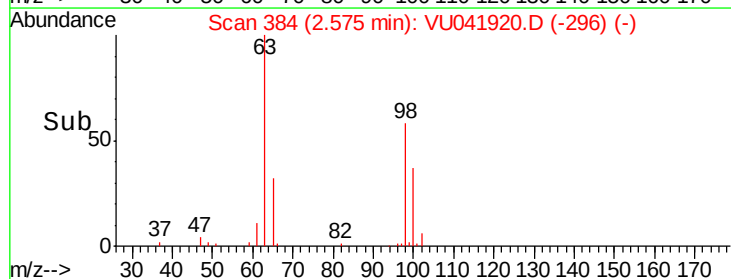
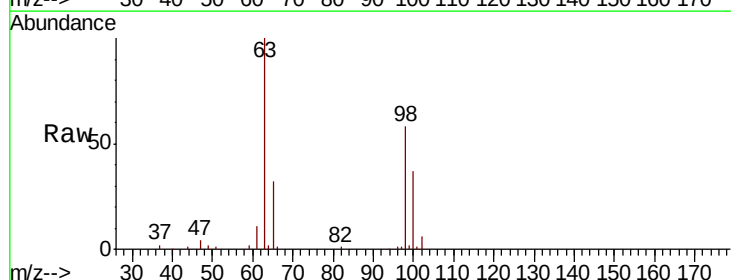
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR0

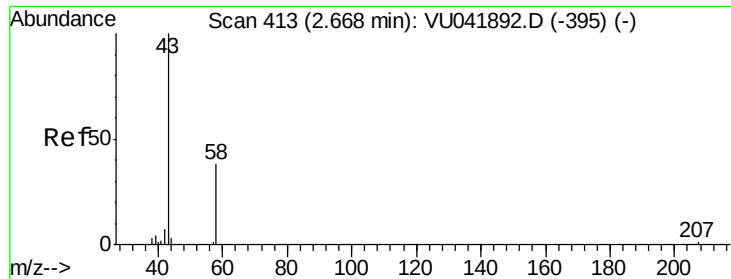
Tot Ion: 50 Resp: 818
 Ion Ratio Lower Upper
 50 100
 52 37.2 21.4 39.8



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.062 ug/L
 RT: 2.57 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VU041920.D
 Acq: 11 Jan 2021 15:08

Tgt Ion: 101 Resp: 556
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 58.2 87.2#





#13

Acetone

Concen: 1.009 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU041920.D

Acq: 11 Jan 2021 15:08

Instrument :

MSVOA_U

ClientSampleId :

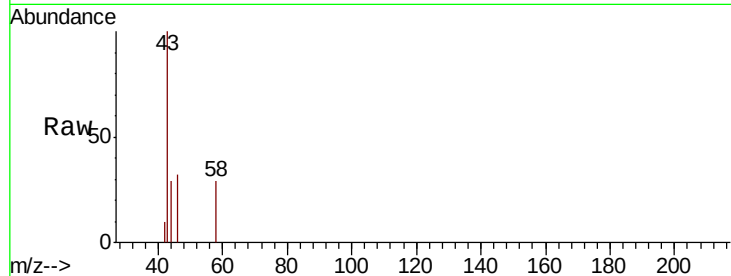
C0AR0

Tot Ion: 43 Resp: 1718

Ion Ratio Lower Upper

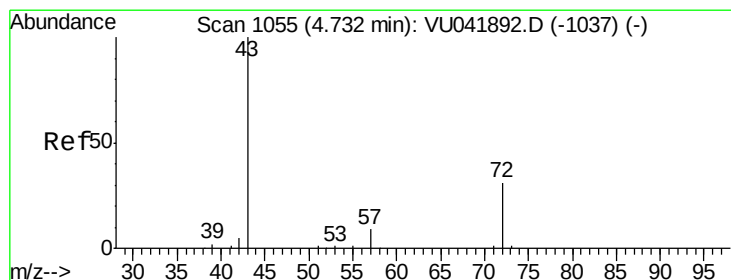
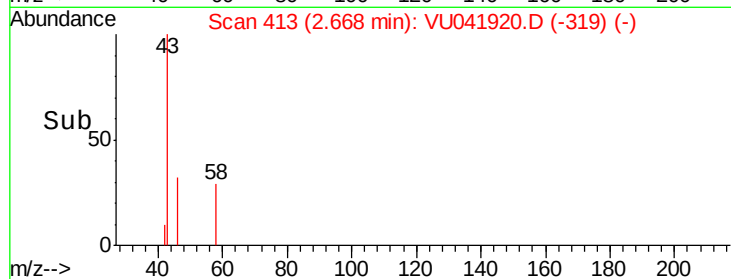
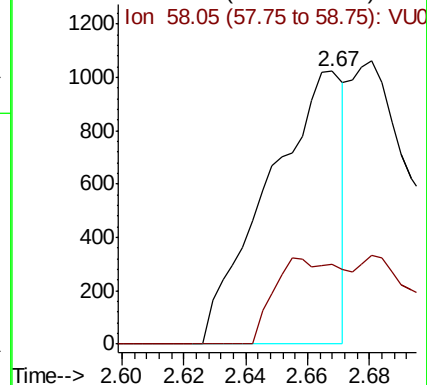
43 100

58 22.6 0.0 23.6



Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041892.D (-395) (-)



#21

2-Butanone

Concen: 36.974 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU041920.D

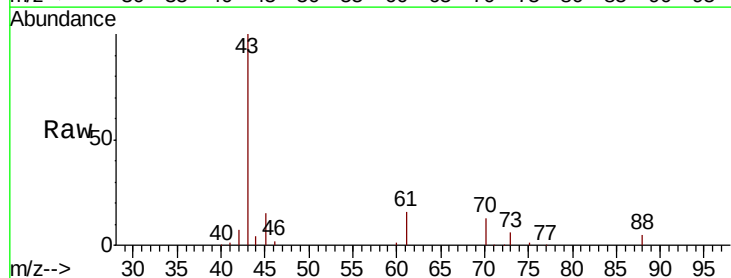
Acq: 11 Jan 2021 15:08

Tgt Ion: 43 Resp: 97698

Ion Ratio Lower Upper

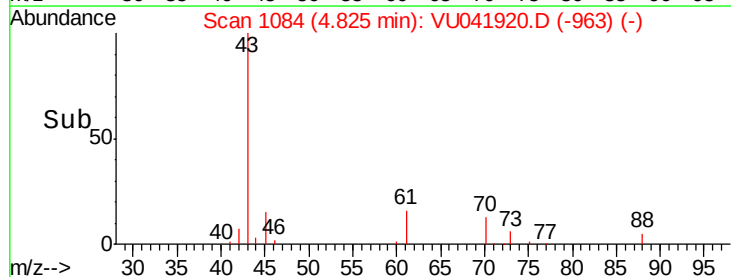
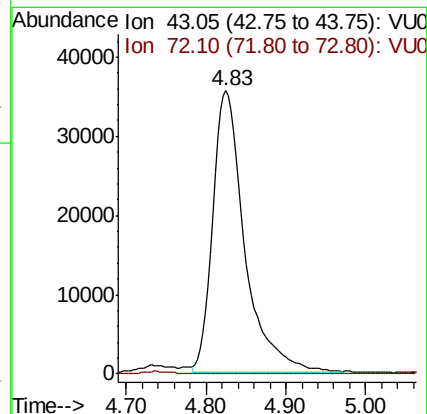
43 100

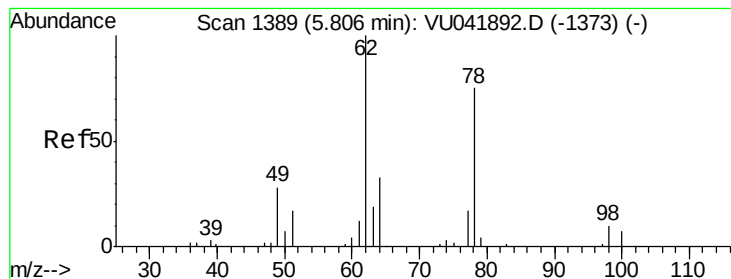
72 0.1 13.6 40.8#



Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU041892.D (-1037) (-)





#27

1,2-Dichloroethane

Concen: 0.073 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU041920.D

Acq: 11 Jan 2021 15:08

Instrument :

MSVOA_U

ClientSampleId :

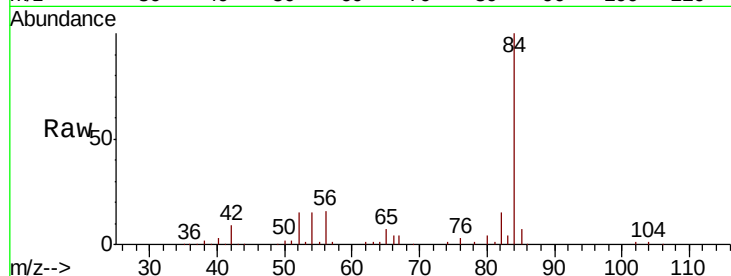
C0AR0

Tot Ion: 62 Resp: 781

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

600

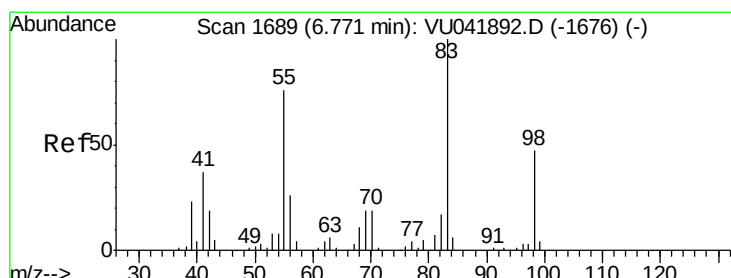
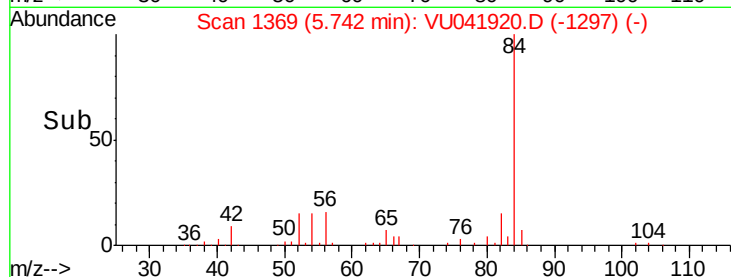
400

200

0

5.70 5.72 5.74 5.76 5.78

Time-->



#35

Methylcyclohexane

Concen: 0.813 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041920.D

Acq: 11 Jan 2021 15:08

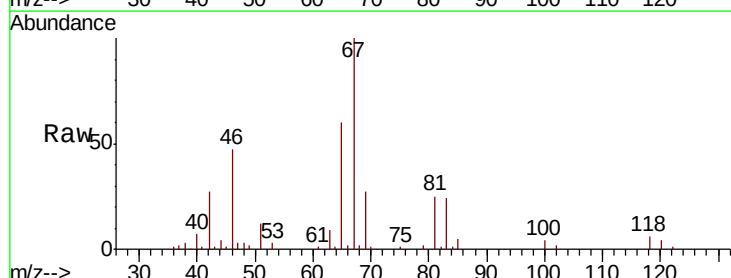
Tgt Ion: 83 Resp: 11195

Ion Ratio Lower Upper

83 100

55 0.2 64.3 96.5#

98 1.9 36.6 54.8#



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

8000

6000

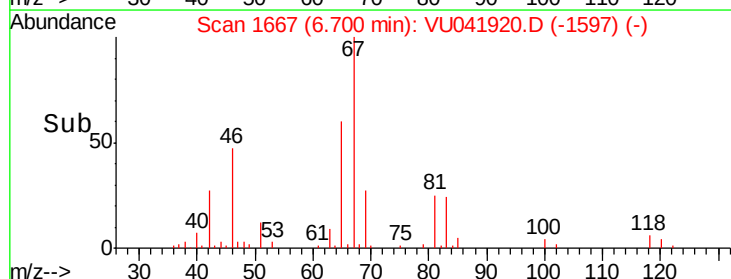
4000

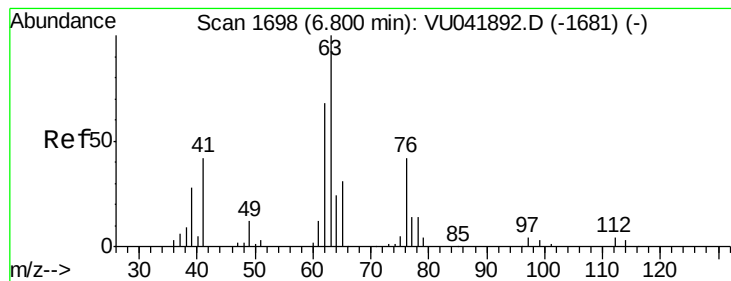
2000

0

6.65 6.70 6.75

Time-->





#37

1,2-Dichloropropane

Concen: 0.572 ug/L

RT: 6.70 min Scan# 1666

Delta R.T. -0.11 min

Lab File: VU041920.D

Acq: 11 Jan 2021 15:08

Instrument :

MSVOA_U

ClientSampleId :

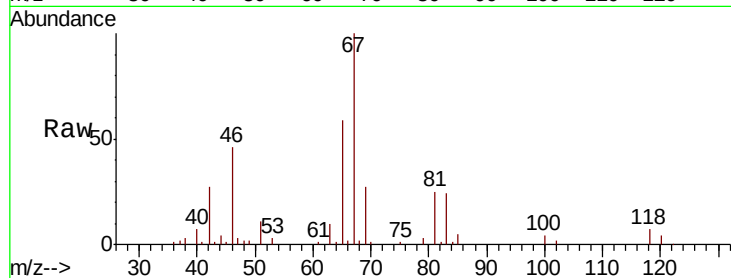
C0AR0

Tot Ion: 63 Resp: 5090

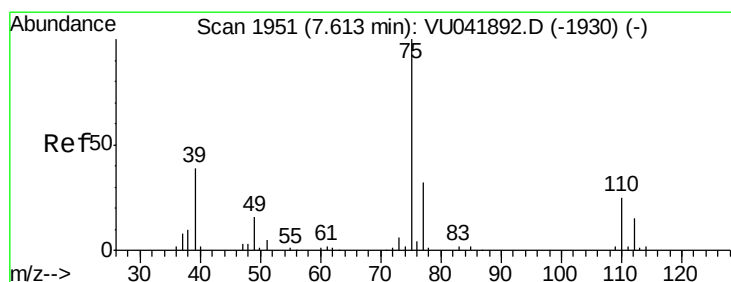
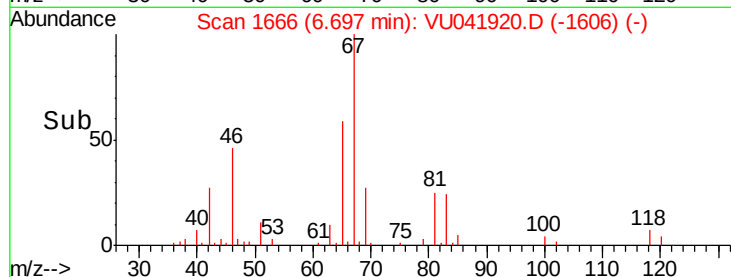
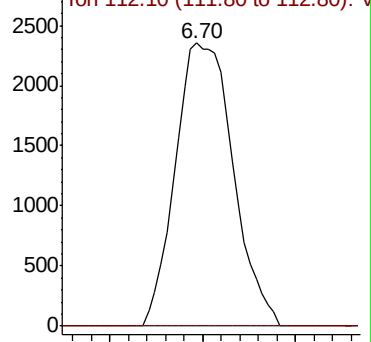
Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU041920.D (-1666) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041920.D

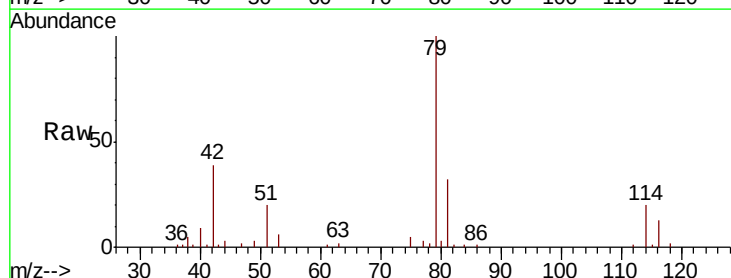
Acq: 11 Jan 2021 15:08

Tgt Ion: 75 Resp: 991

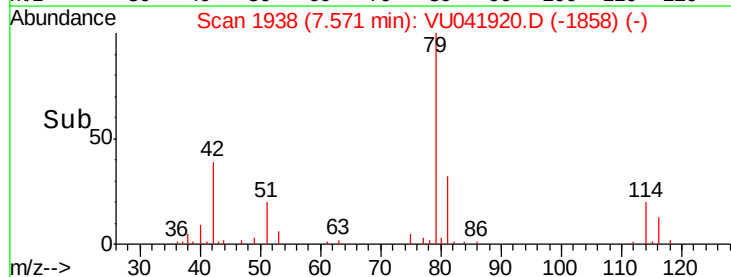
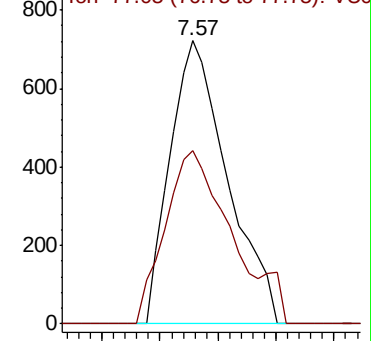
Ion Ratio Lower Upper

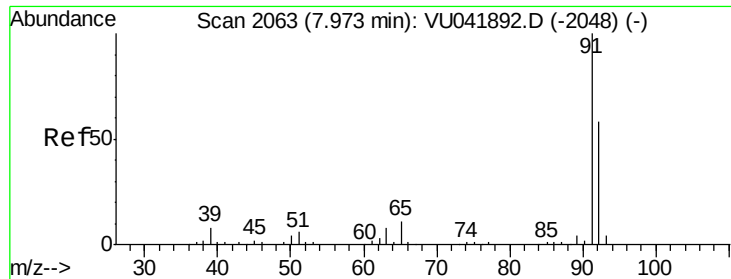
75 100

77 61.2 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU041920.D (-1858) (-)





#42

Toluene

Concen: 0.035 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041920.D

Acq: 11 Jan 2021 15:08

Instrument :

MSVOA_U

ClientSampleId :

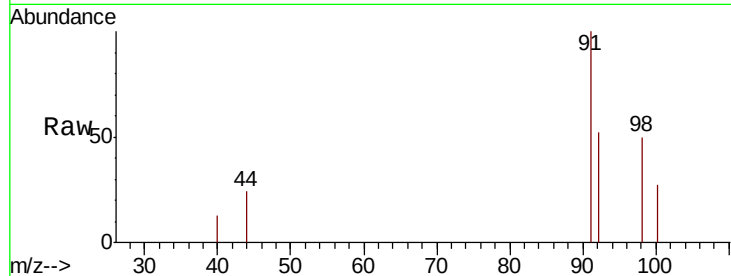
C0AR0

Tot Ion: 91 Resp: 1286

Ion Ratio Lower Upper

91 100

92 52.2 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

800

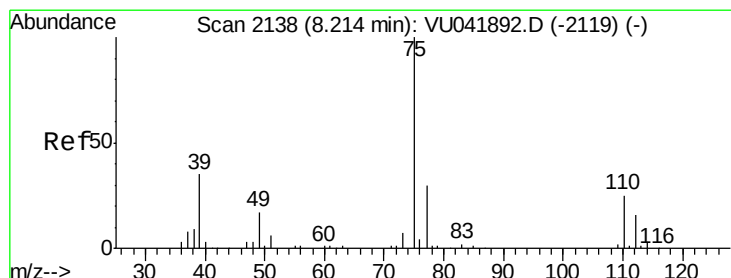
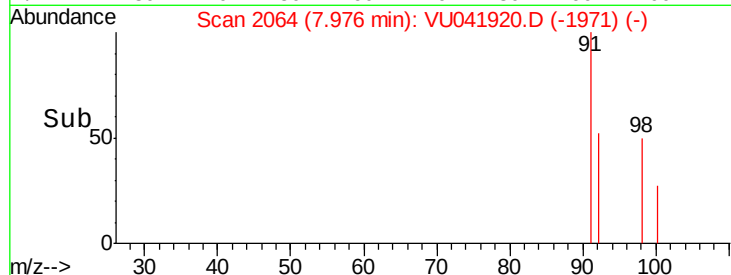
600

400

200

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU041920.D

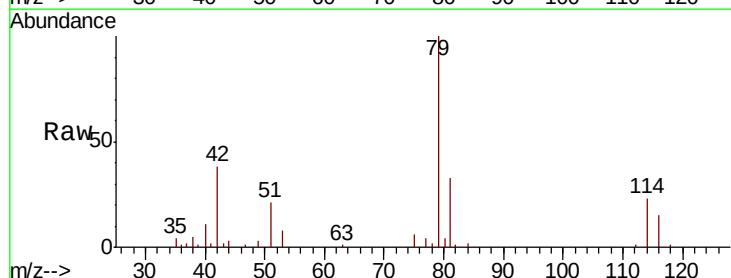
Acq: 11 Jan 2021 15:08

Tgt Ion: 75 Resp: 719

Ion Ratio Lower Upper

75 100

77 63.8 23.7 44.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

600

500

400

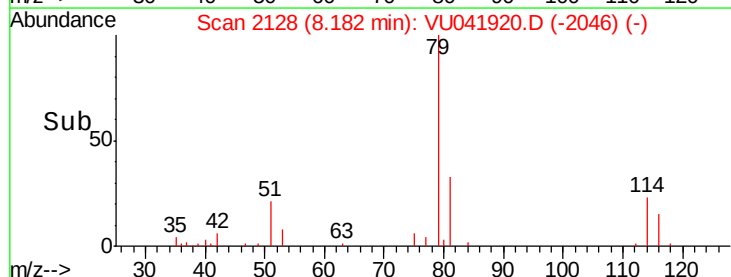
300

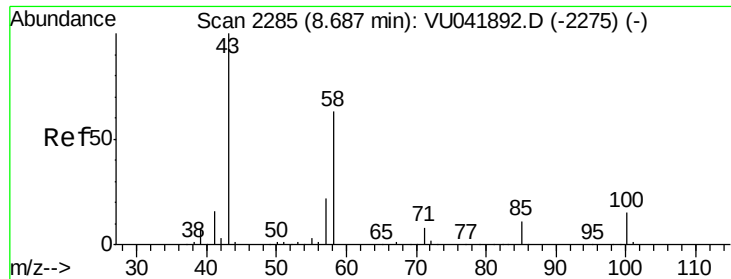
200

100

0

Time-->

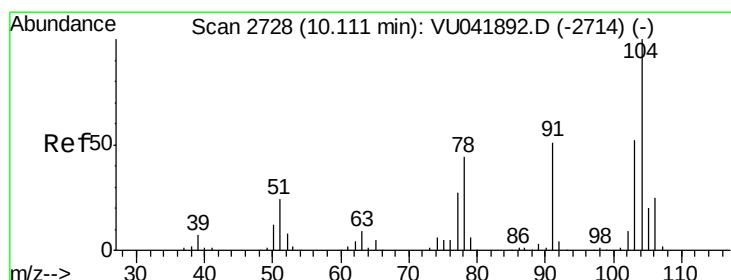
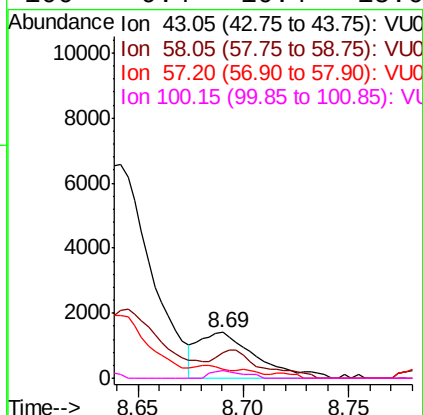
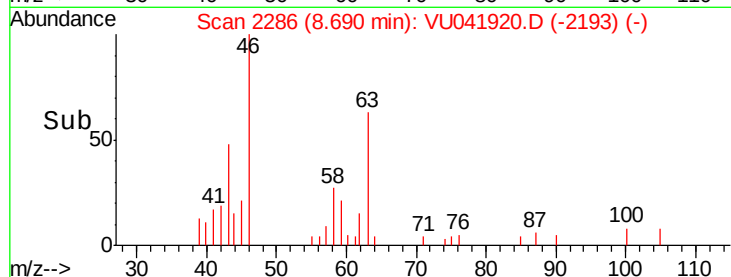
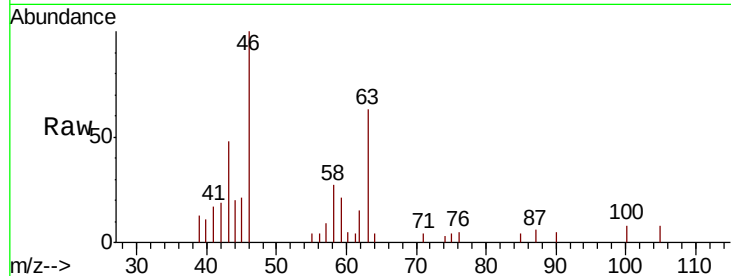




#48
2-Hexanone
Concen: 0.642 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041920.D
Acq: 11 Jan 2021 15:08

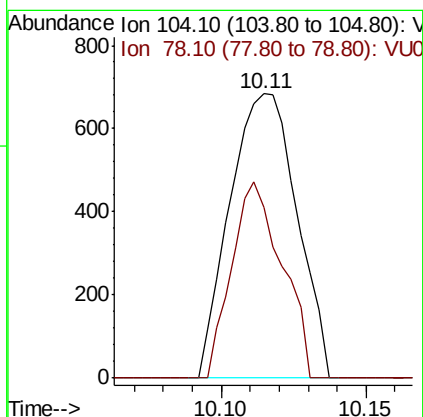
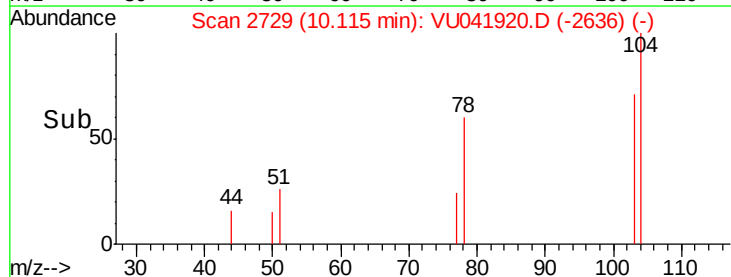
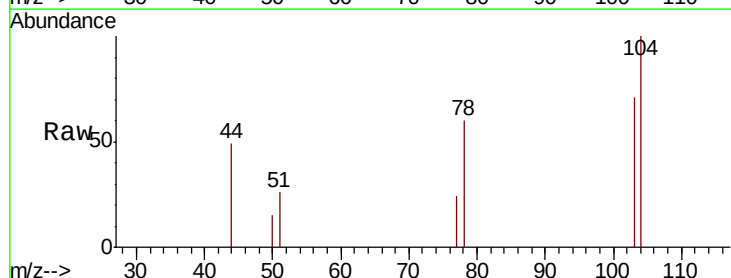
Instrument :
MSVOA_U
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C0AR0

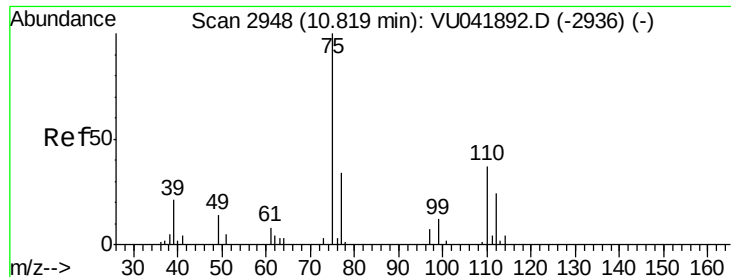
Tot Ion: 43 Resp: 2674
Ion Ratio Lower Upper
43 100
58 50.9 47.6 71.4
57 13.8 17.1 25.7#
100 9.4 10.4 15.6#



#55
Styrene
Concen: 0.045 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041920.D
Acq: 11 Jan 2021 15:08

Tgt Ion: 104 Resp: 1097
Ion Ratio Lower Upper
104 100
78 59.7 33.3 61.9





#59

1,2,3-Trichloropropane

Concen: 0.817 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041920.D

Acq: 11 Jan 2021 15:08

Instrument :

MSVOA_U

ClientSampleId :

C0AR0

Tot Ion: 75 Resp: 5314

Ion Ratio Lower Upper

75 100

77 35.7 27.0 40.4

