

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040591.D
 Acq On : 09 Oct 2020 18:02
 Operator : SY/MD
 Sample : L4346-04MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ3MSD

Quant Time: Oct 10 04:22:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	140027	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	140559	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64389	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48894	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.92	69	40863	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.58	63	100844	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	4.66	46	186619	50.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.52%
24) Chloroform-d	5.08	84	95165	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.72	65	58288	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.74	84	177832	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	59313	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	144161	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	25490	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	137018	49.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52011	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	58997	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	421	0.053	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	798	0.069	ug/L #	20
12) 1,1-Dichloroethene	2.59	96	47691	4.773	ug/L	97
13) Acetone	2.67	43	26112	9.073	ug/L	94
15) Methyl Acetate	2.98	43	838	0.128	ug/L #	56
25) Chloroform	5.11	83	5861	0.265	ug/L	90
27) 1,2-Dichloroethane	5.79	62	2110	0.135	ug/L #	77
33) Benzene	5.79	78	215800	4.779	ug/L	100
34) Trichloroethene	6.56	95	55232	4.719	ug/L	97
35) Methylcyclohexane	6.70	83	14140	0.852	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6951	0.552	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1788	0.104	ug/L #	83
42) Toluene	7.98	91	213912	4.649	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	1027	0.065	ug/L #	65
48) 2-Hexanone	8.64	43	18932	2.535	ug/L #	71
51) Chlorobenzene	9.45	112	146621	4.837	ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	9199	0.995	ug/L	94

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QLast Update : Sat Oct 10 04:13:39 2020
Response via : Initial Calibration

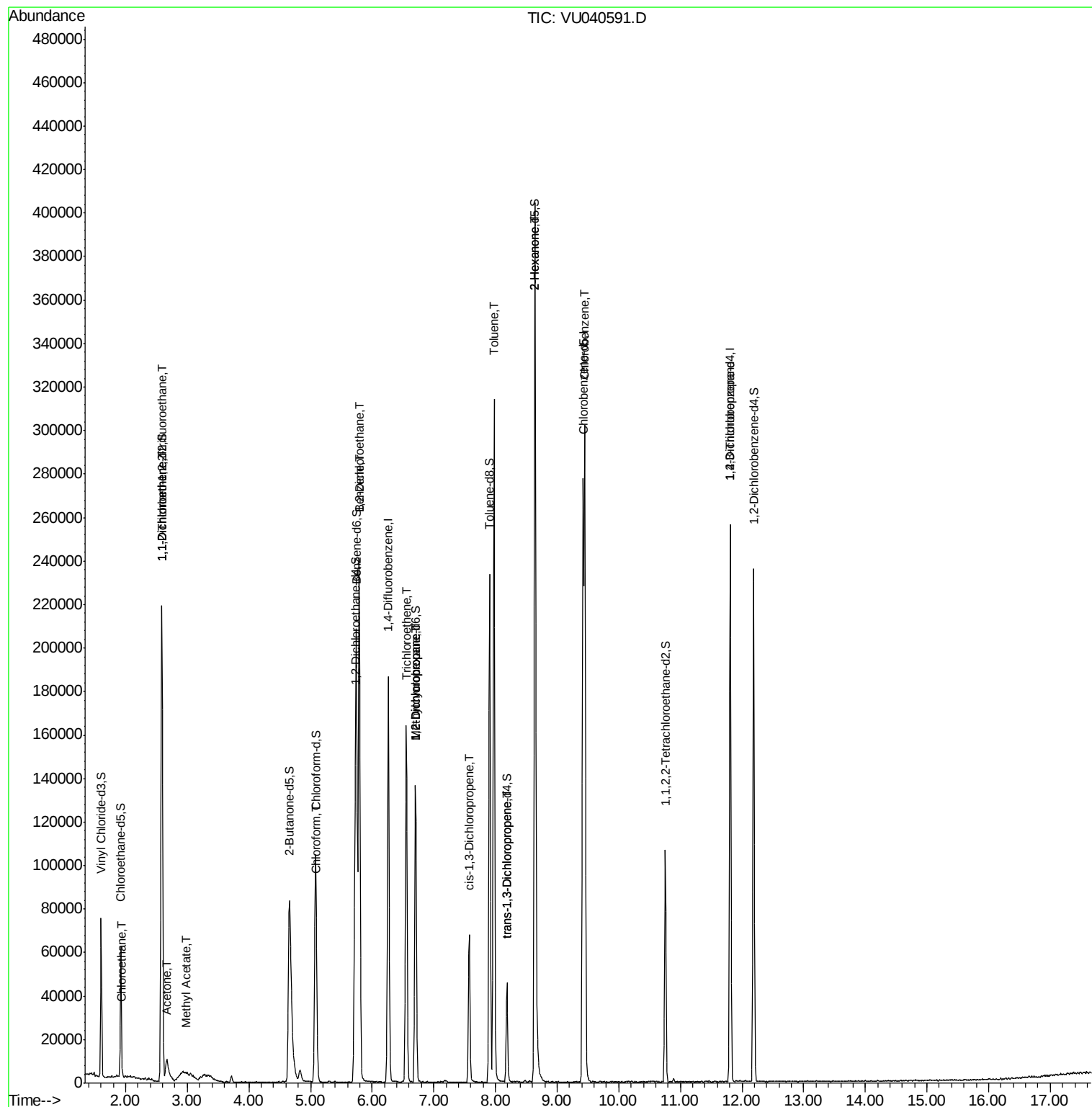
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

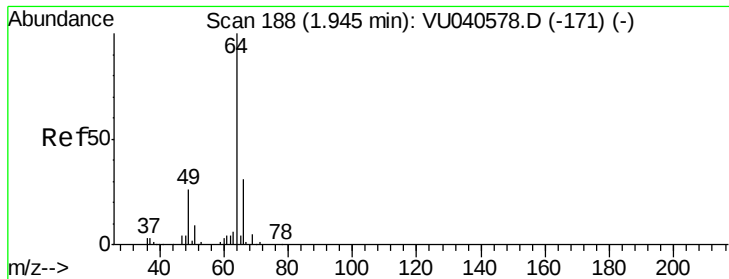
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.053 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

Instrument :

MSVOA_U

ClientSampleId :

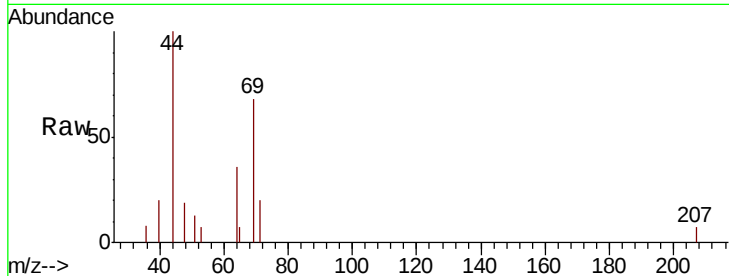
YAZ3MSD

Tot Ion: 64 Resp: 421

Ion Ratio Lower Upper

64 100

66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.95

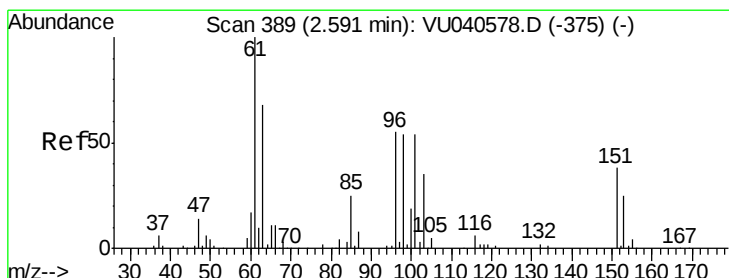
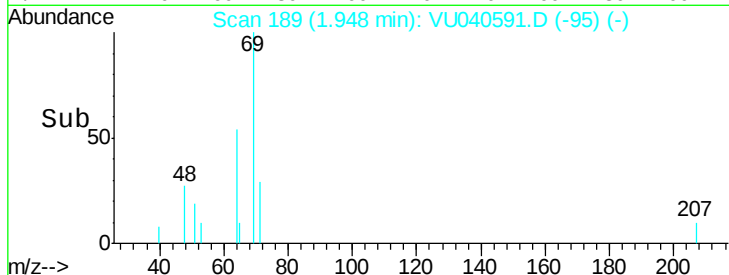
600

400

200

0

Time-->



#10

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

Concen: 0.069 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

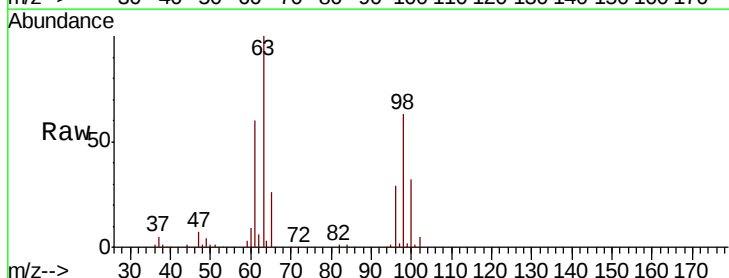
Tgt Ion:101 Resp: 798

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

2.58

600

500

400

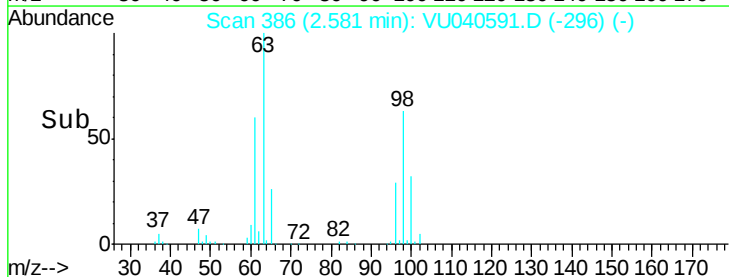
300

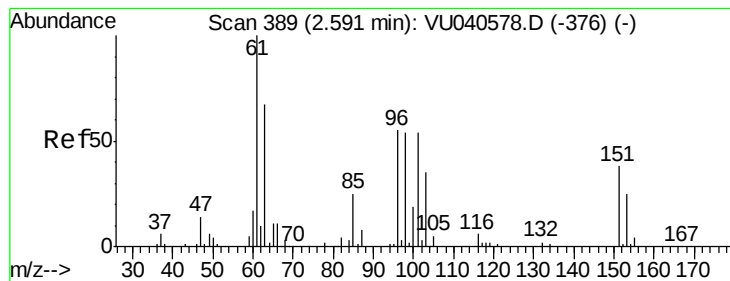
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 4.773 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

Instrument :

MSVOA_U

ClientSampleId :

YAZ3MSD

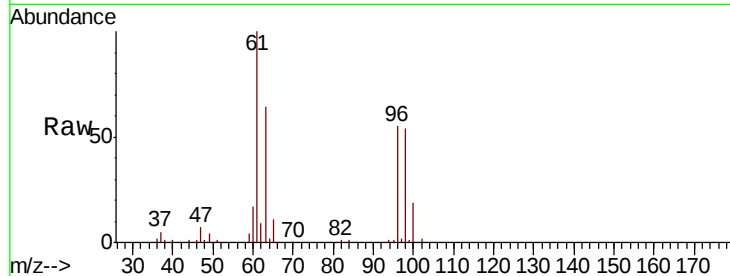
Tot Ion: 96 Resp: 47691

Ion Ratio Lower Upper

96 100

61 180.9 128.8 239.2

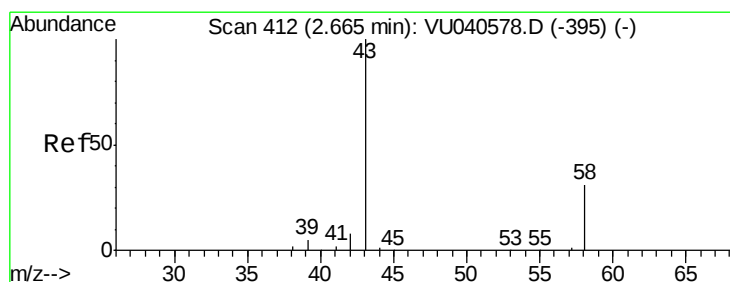
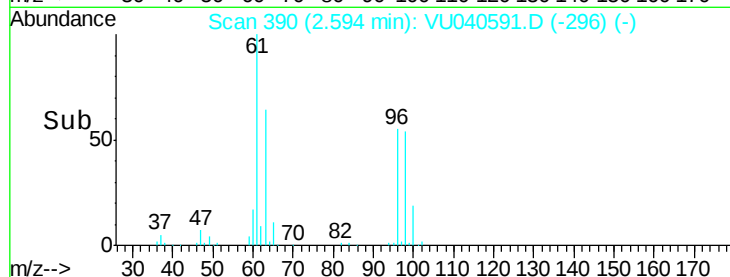
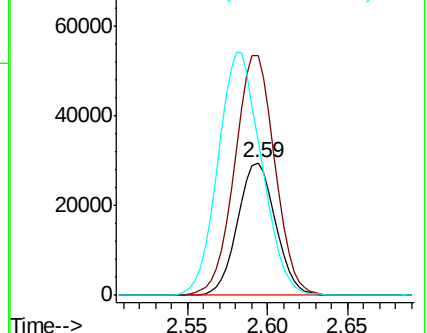
63 116.1 84.6 157.2



Abundance Ion 96.00 (95.70 to 96.70): VU040591.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040591.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040591.D (-296) (-)



#13

Acetone

Concen: 9.073 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040591.D

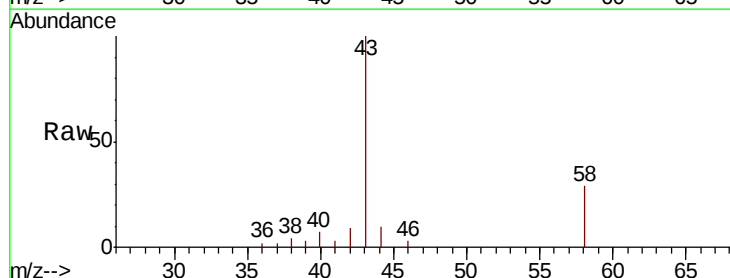
Acq: 09 Oct 2020 18:02

Tgt Ion: 43 Resp: 26112

Ion Ratio Lower Upper

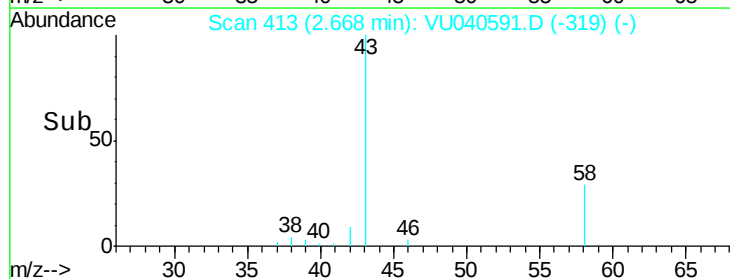
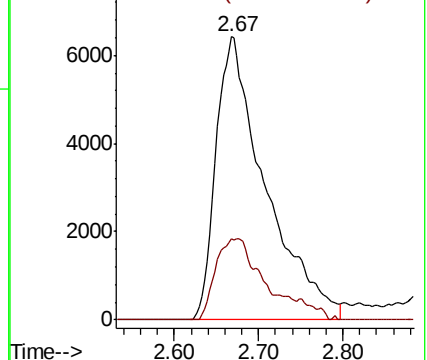
43 100

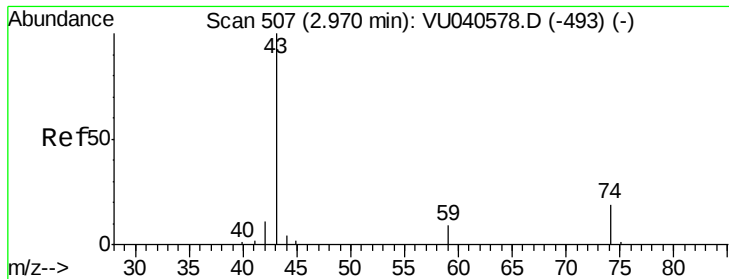
58 27.2 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040591.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU040591.D (-319) (-)





#15

Methvl Acetate

Concen: 0.128 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

Instrument :

MSVOA_U

ClientSampleId :

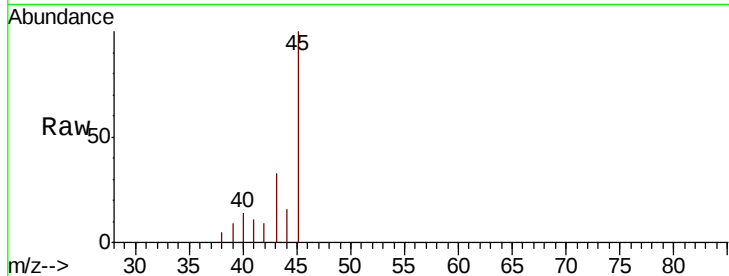
YAZ3MSD

Tot Ion: 43 Resp: 838

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.98

800

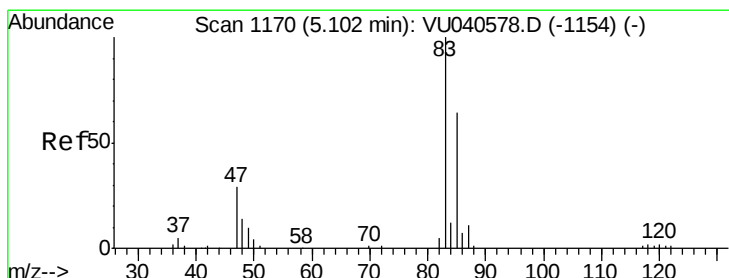
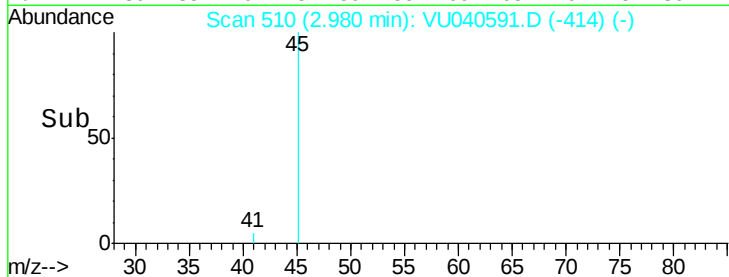
600

400

200

0

Time-->



#25

Chloroform

Concen: 0.265 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040591.D

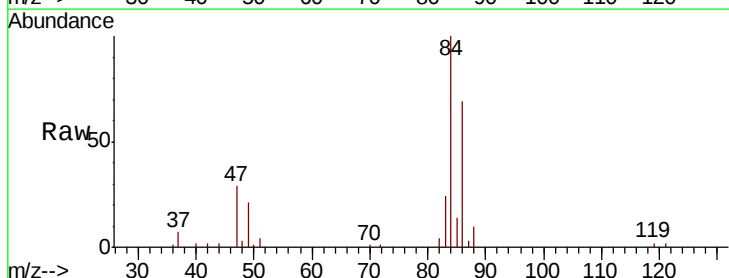
Acq: 09 Oct 2020 18:02

Tgt Ion: 83 Resp: 5861

Ion Ratio Lower Upper

83 100

85 58.3 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

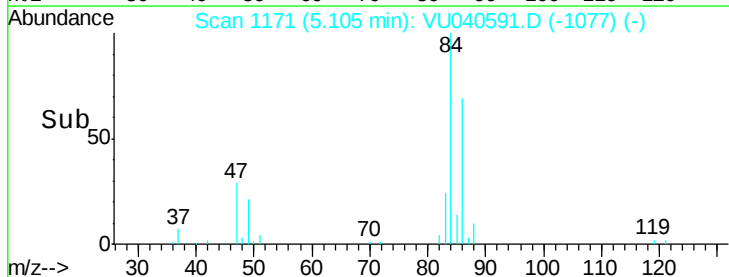
3000

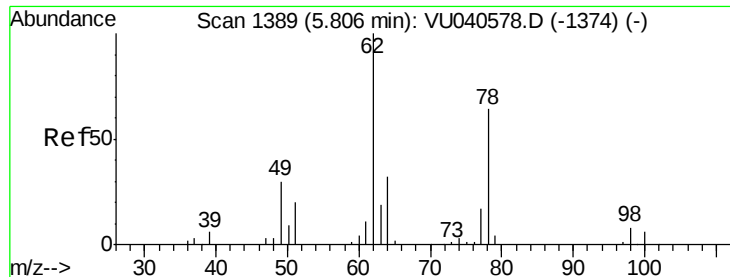
2000

1000

0

Time-->

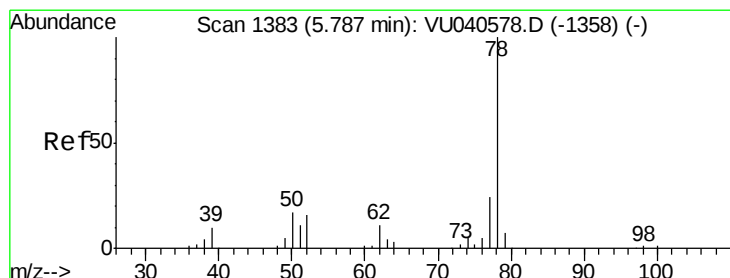
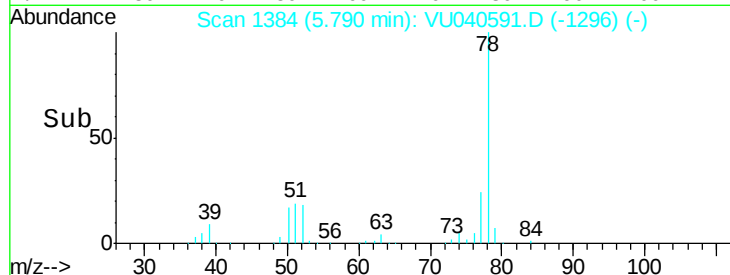
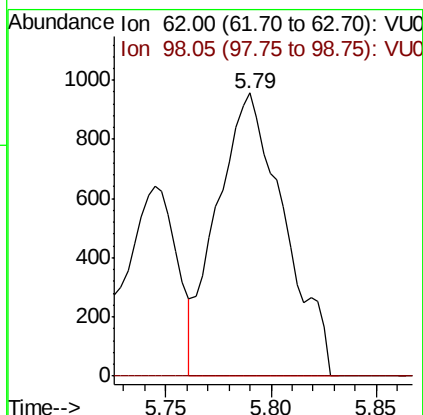
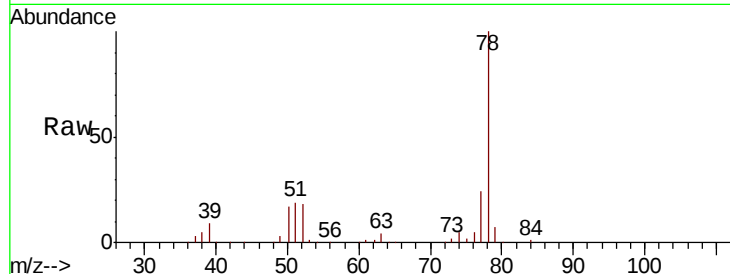




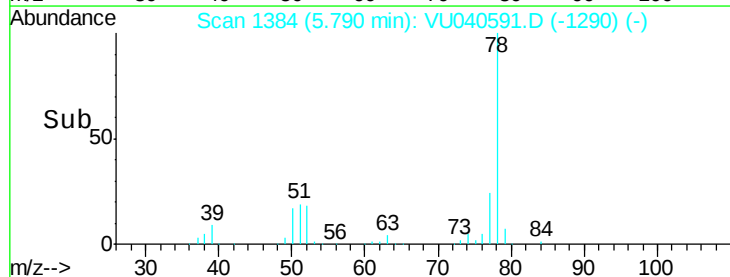
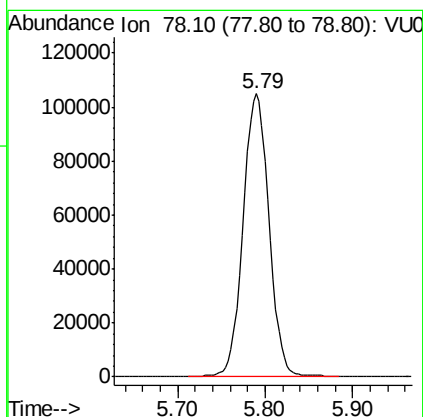
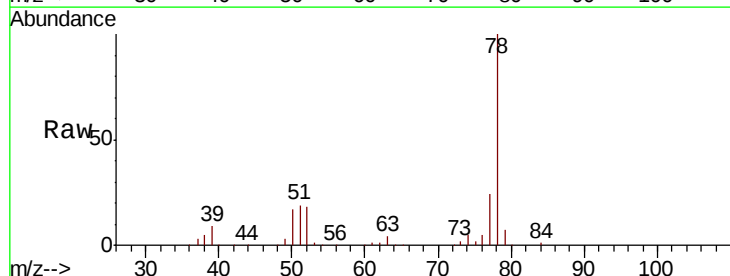
#27
 1,2-Dichloroethane
 Concen: 0.135 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: VU040591.D
 Acq: 09 Oct 2020 18:02

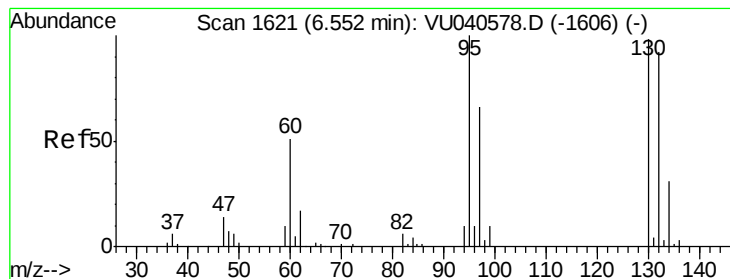
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ3MSD

Tot Ion: 62 Resp: 2110
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 4.779 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU040591.D
 Acq: 09 Oct 2020 18:02
 Tgt Ion: 78 Resp: 215800





#34

Trichloroethene

Concen: 4.719 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

Instrument :

MSVOA_U

ClientSampleId :

YAQZ3MSD

Tot Ion: 95 Resp: 55232

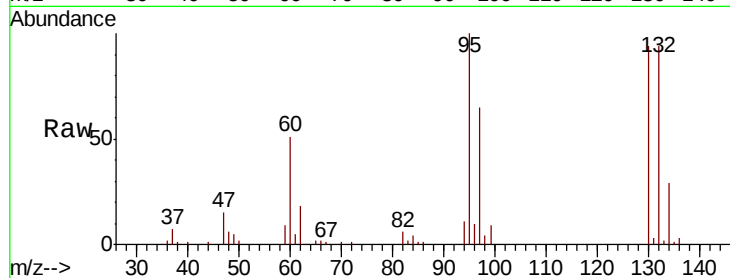
Ion Ratio Lower Upper

95 100

97 64.6 45.5 84.5

132 93.7 67.5 125.4

130 94.3 69.9 129.9

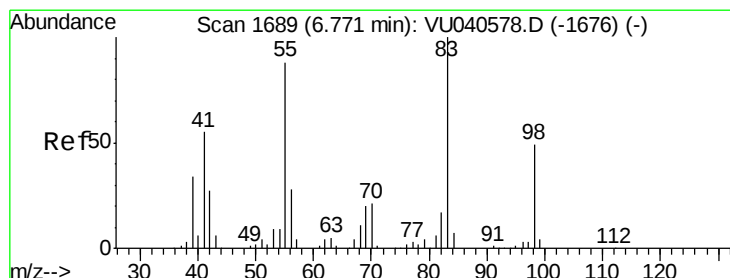
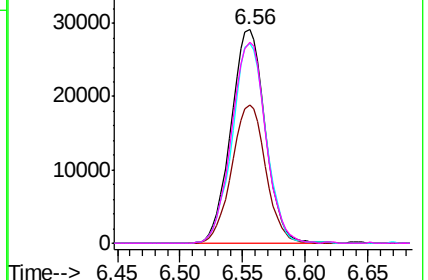
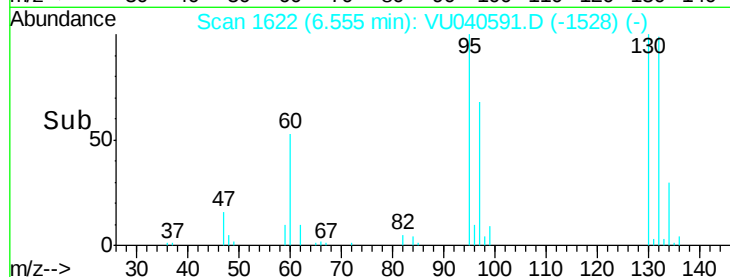


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.852 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

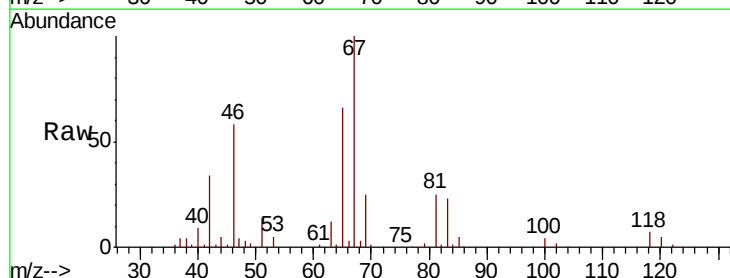
Tgt Ion: 83 Resp: 14140

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

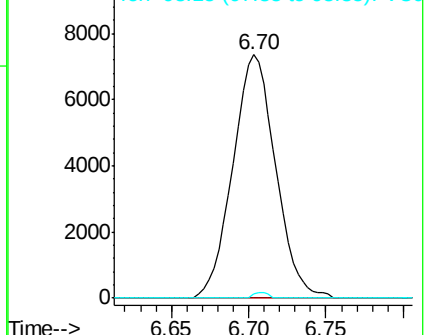
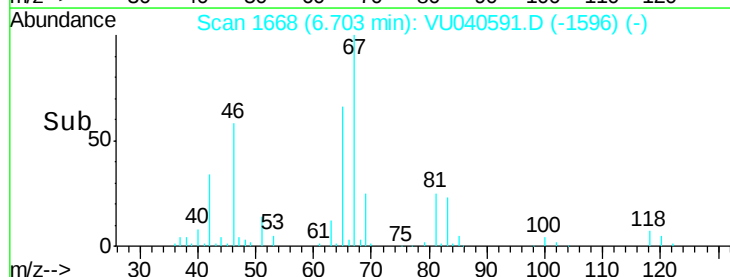
98 0.8 38.4 57.6#

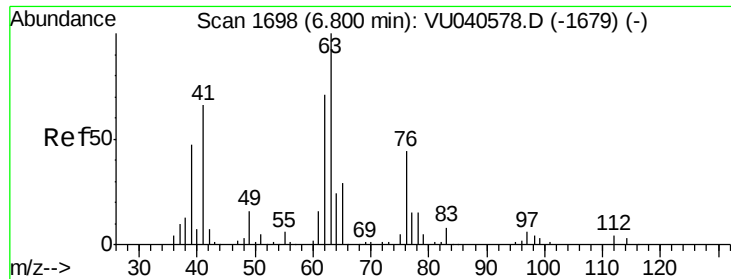


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

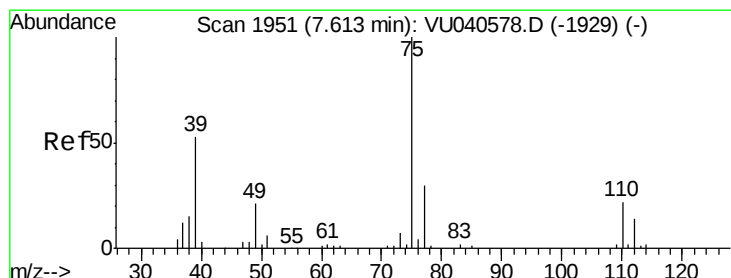
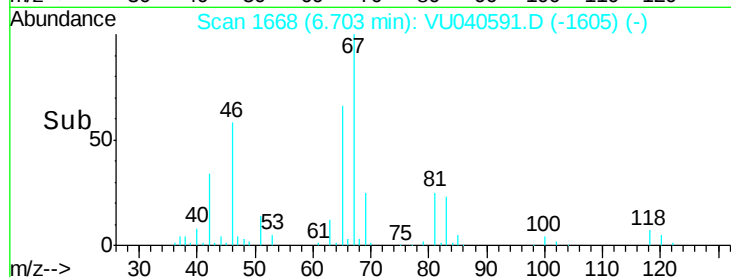
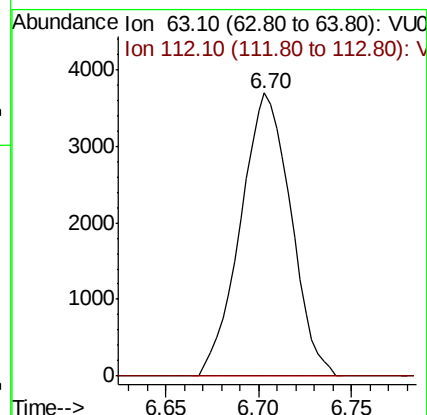
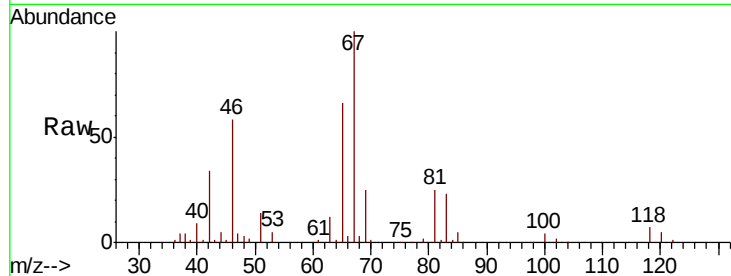




#37
 1,2-Dichloropropane
 Concen: 0.552 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040591.D
 Acq: 09 Oct 2020 18:02

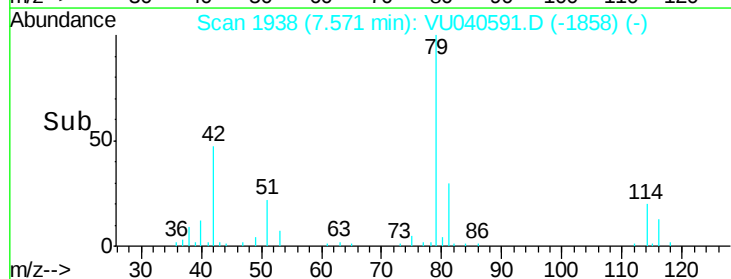
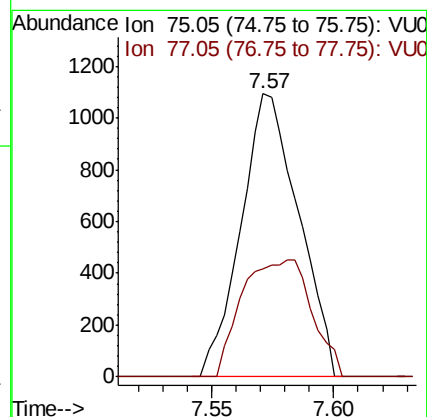
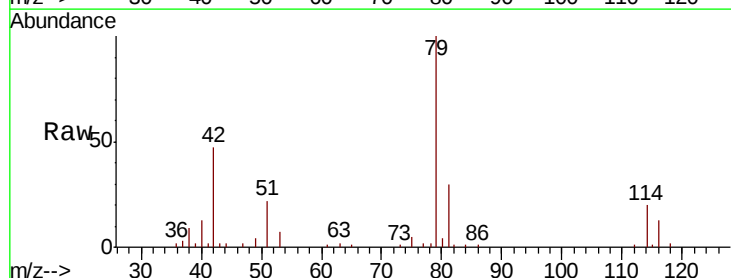
Instrument :
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 YAQZ3MSD

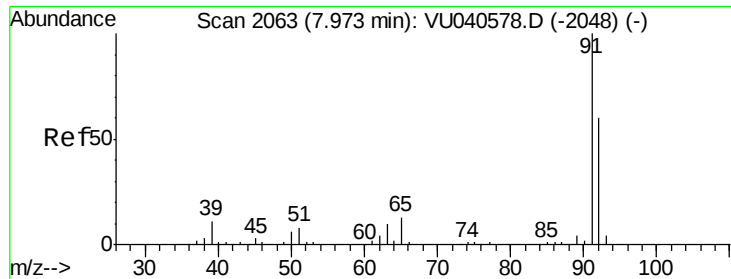
Tot Ion: 63 Resp: 6951
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040591.D
 Acq: 09 Oct 2020 18:02

Tgt Ion: 75 Resp: 1788
 Ion Ratio Lower Upper
 75 100
 77 38.2 20.5 38.1#





#42

Toluene

Concen: 4.649 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

Instrument :

MSVOA_U

ClientSampleId :

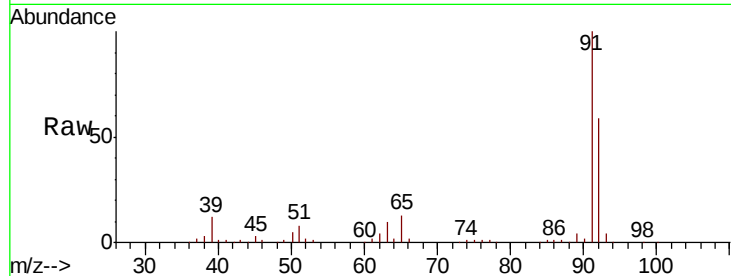
YAQZ3MSD

Tot Ion: 91 Resp: 213912

Ion Ratio Lower Upper

91 100

92 59.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040578.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040578.D (-2048) (-)

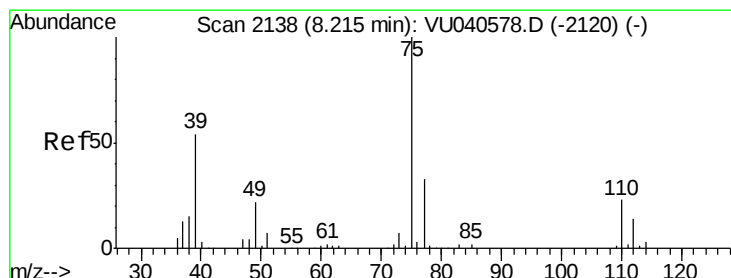
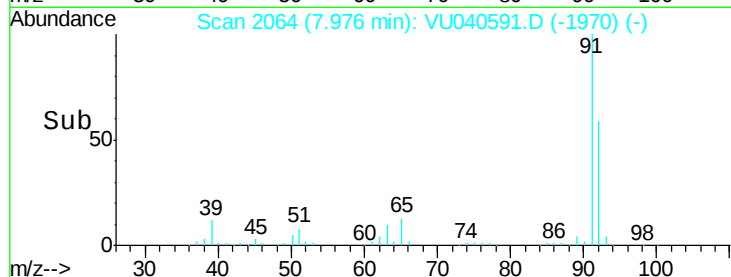
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040591.D

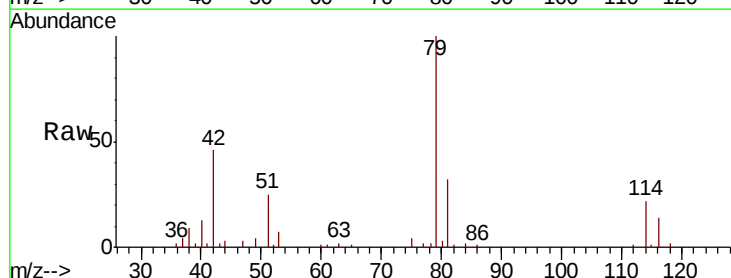
Acq: 09 Oct 2020 18:02

Tgt Ion: 75 Resp: 1027

Ion Ratio Lower Upper

75 100

77 47.8 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040578.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040578.D (-2120) (-)

8.19

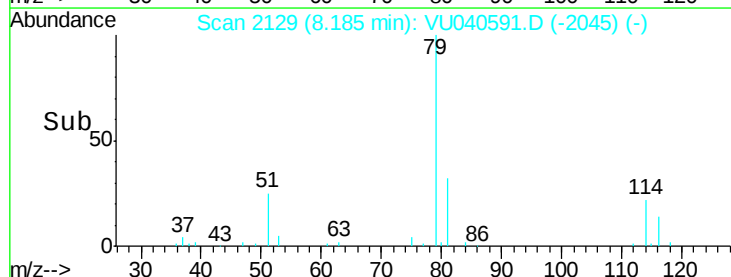
600

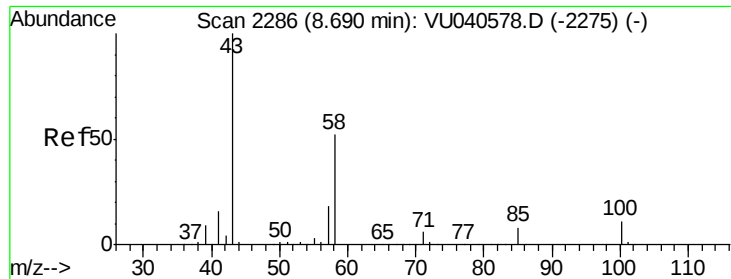
400

200

0

Time-->

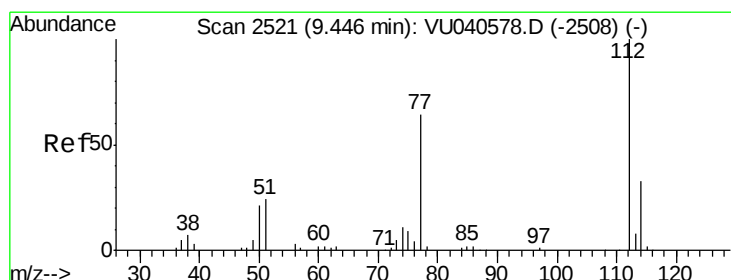
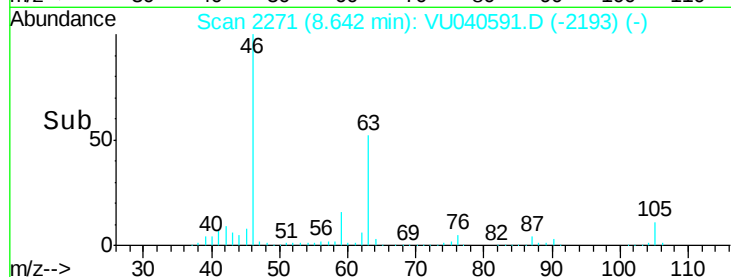
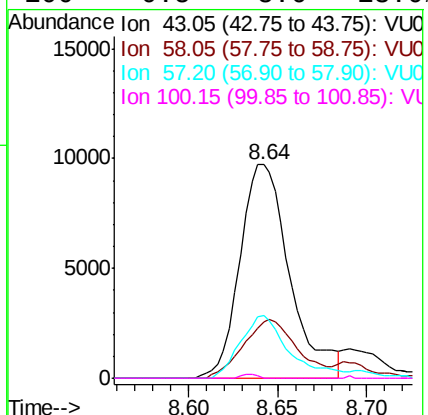
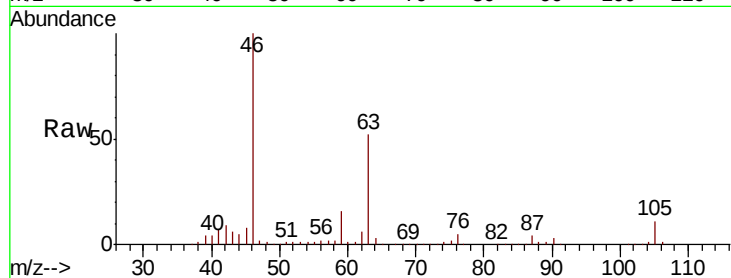




#48
2-Hexanone
Concen: 2.535 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040591.D
Acq: 09 Oct 2020 18:02

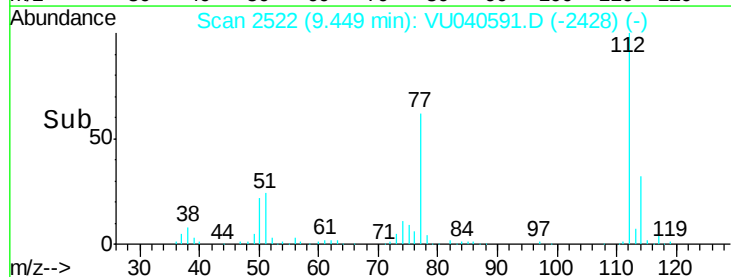
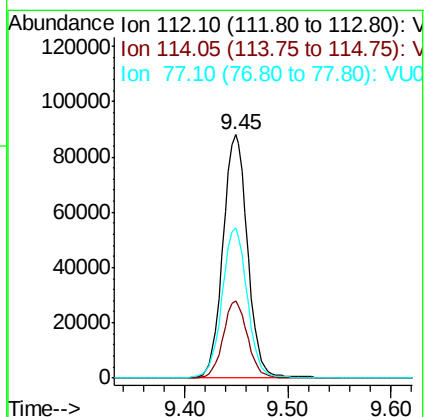
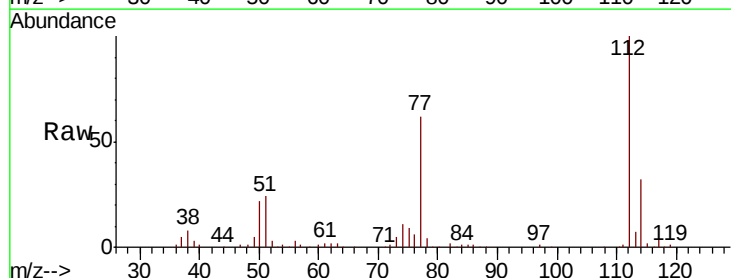
Instrument :
MSVOA_U
ClientSampleId :
YAQZ3MSD

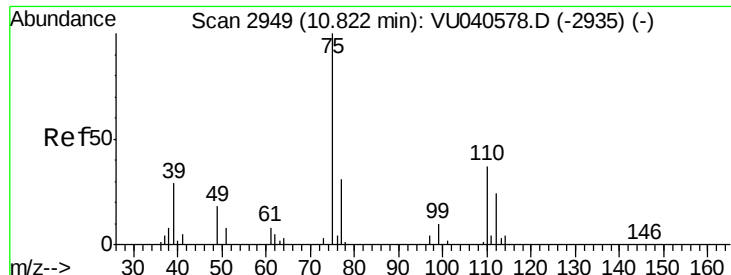
Tot Ion:	43	Resp:	18932
Ion	Ratio	Lower	Upper
43	100		
58	29.2	41.0	61.6#
57	28.7	14.4	21.6#
100	0.5	8.6	13.0#



#51
Chlorobenzene
Concen: 4.837 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040591.D
Acq: 09 Oct 2020 18:02

Tgt Ion:	112	Resp:	146621
Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.1	42.9
77	61.5	50.3	75.5





#59

1,2,3-Trichloropropane

Concen: 0.995 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040591.D

Acq: 09 Oct 2020 18:02

Instrument :

MSVOA_U

ClientSampleId :

YQZ3MSD

Tot Ion: 75 Resp: 9199

Ion Ratio Lower Upper

75 100

77 36.6 26.4 39.6

