

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040464.D
 Acq On : 02 Oct 2020 16:32
 Operator : SY/MD
 Sample : L4185-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT2

Quant Time: Oct 03 00:18:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132619	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128034	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61501	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30931	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.92	69	25747	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.58	63	48266	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.65	46	125332	38.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.86%
24) Chloroform-d	5.08	84	63673	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
26) 1,2-Dichloroethane-d4	5.72	65	41403	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.74	84	125249	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.70	67	42392	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.91	98	106527	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	16870	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	85960	38.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35428	3.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	42702	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2535	0.194	ug/L 100
13) Acetone	2.66	43	27448	10.100	ug/L 94
21) 2-Butanone	4.82	43	157654	36.141	ug/L # 51
25) Chloroform	5.11	83	2099	0.096	ug/L 94
33) Benzene	5.78	78	2128	0.050	ug/L 100
35) Methylcyclohexane	6.70	83	9450	0.565	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	5057	0.423	ug/L # 88
39) cis-1,3-Dichloropropene	7.58	75	1378	0.086	ug/L # 68
42) Toluene	7.98	91	20967	0.476	ug/L 95
44) trans-1,3-Dichloropropene	8.18	75	839	0.057	ug/L # 81
49) Dibromochloromethane	8.81	129	453	0.046	ug/L 83
51) Chlorobenzene	9.45	112	2270	0.080	ug/L # 91
59) 1,2,3-Trichloropropane	11.81	75	8386	0.968	ug/L 89
61) Bromoform	10.29	173	326	0.064	ug/L # 78
66) 1,2-Dibromo-3-chloropropan	13.20	75	215	0.121	ug/L # 10
68) 1,2,4-trichlorobenzene	13.83	180	514	0.044	ug/L # 60

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Quant Time: Oct 03 00:18:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 03 00:09:31 2020
Response via : Initial Calibration

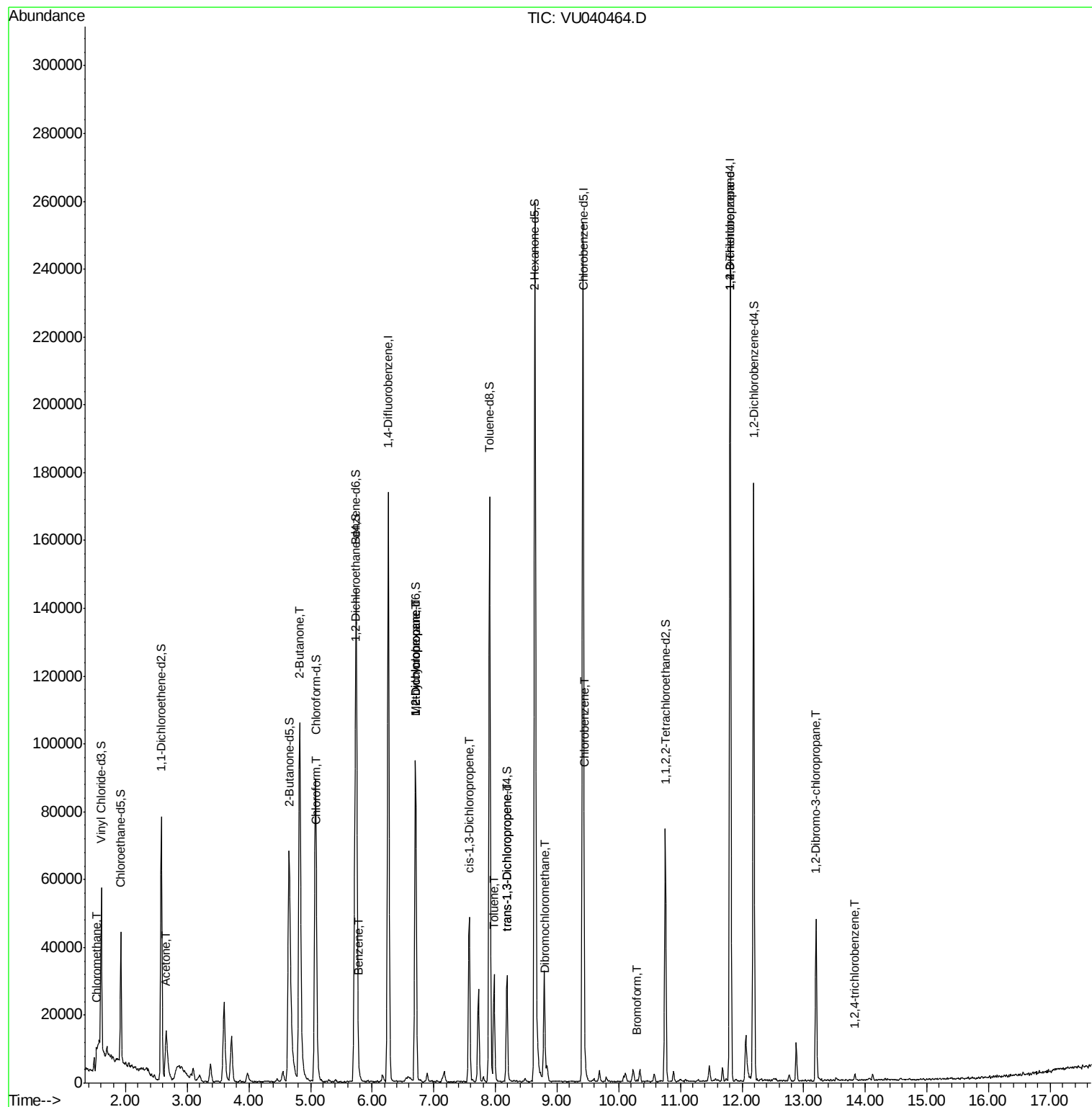
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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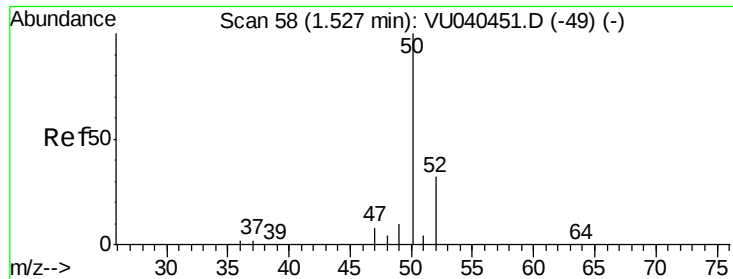
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.194 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040464.D

Acq: 02 Oct 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

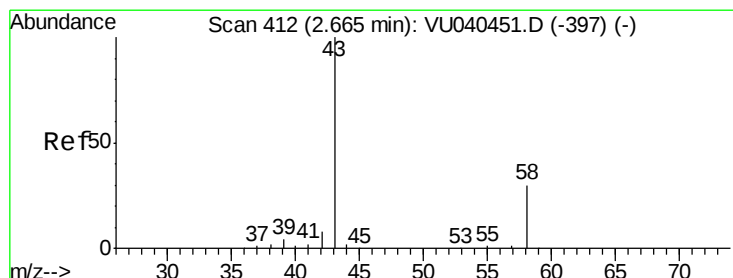
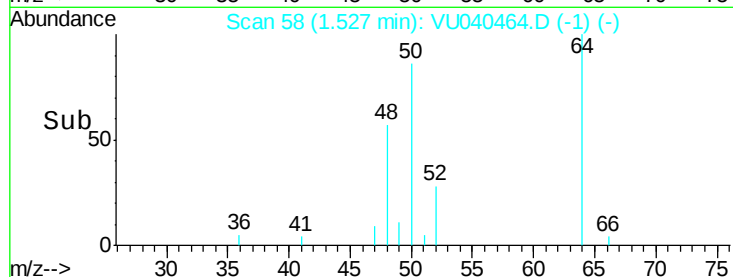
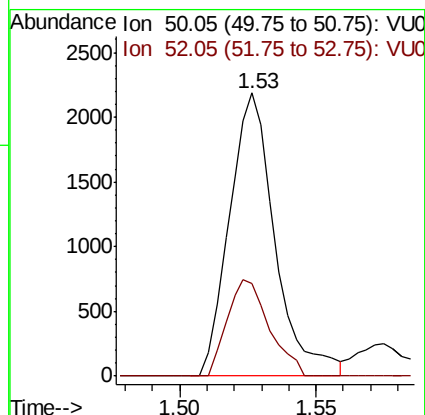
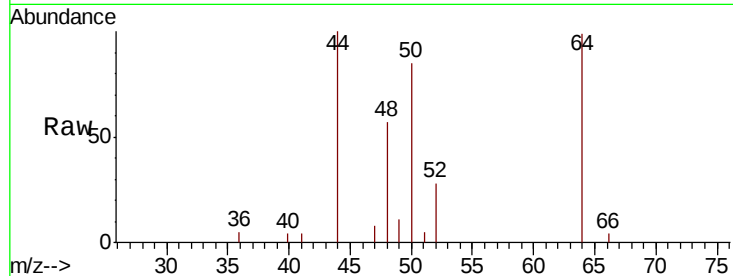
C0AT2

Tot Ion: 50 Resp: 2535

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6



#13

Acetone

Concen: 10.100 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040464.D

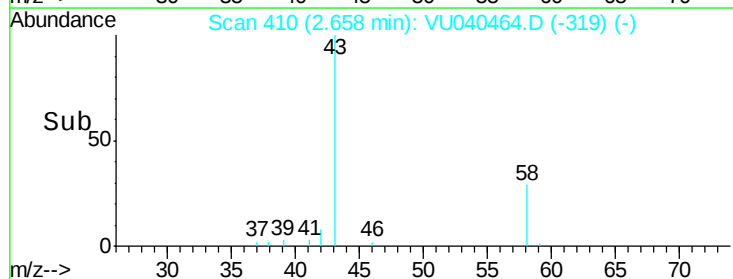
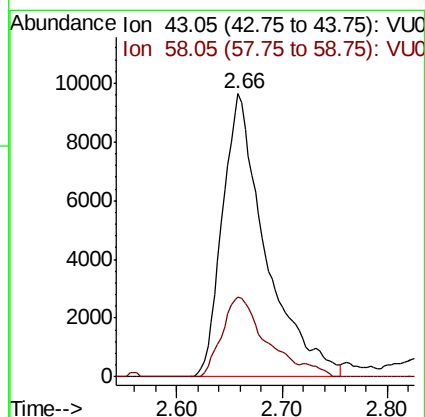
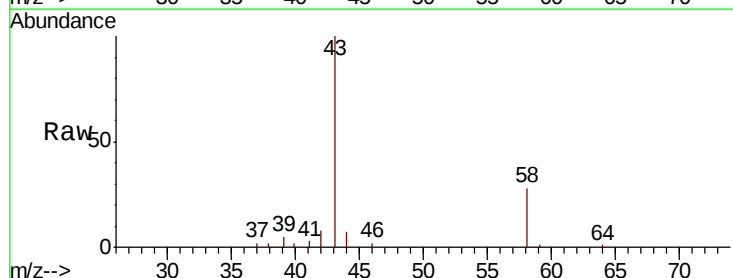
Acq: 02 Oct 2020 16:32

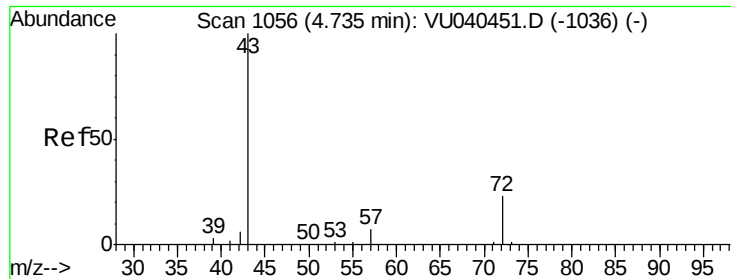
Tgt Ion: 43 Resp: 27448

Ion Ratio Lower Upper

43 100

58 27.7 0.0 61.8





#21

2-Butanone

Concen: 36.141 ug/L

RT: 4.82 min Scan# 1083

Delta R.T. 0.09 min

Lab File: VU040464.D

Acq: 02 Oct 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

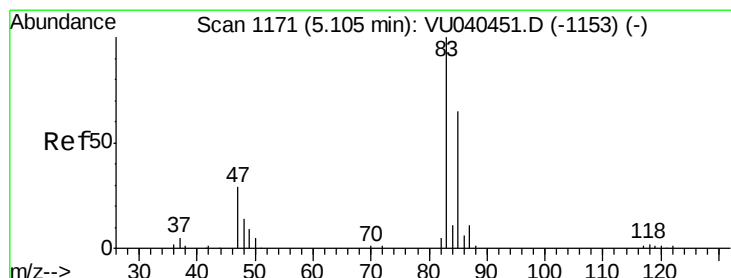
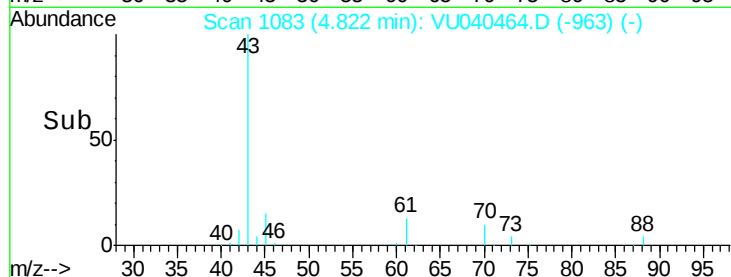
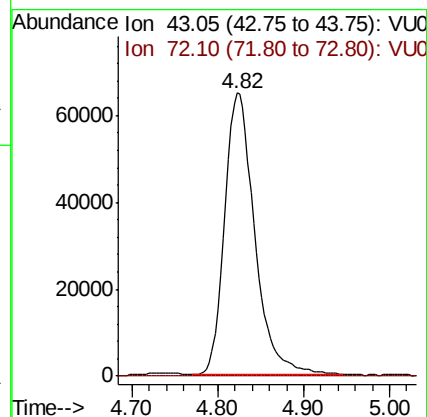
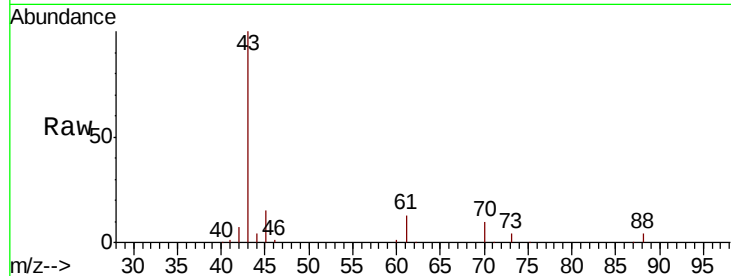
C0AT2

Tot Ion: 43 Resp: 157654

Ion Ratio Lower Upper

43 100

72 0.1 12.0 36.1#



#25

Chloroform

Concen: 0.096 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040464.D

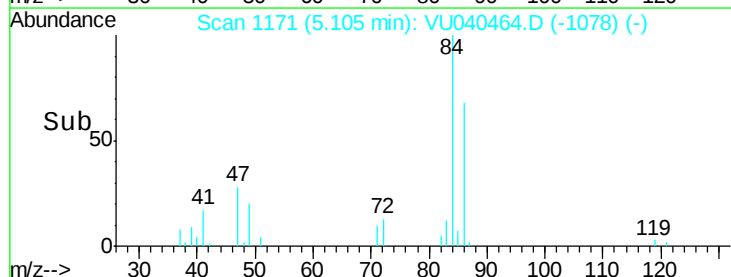
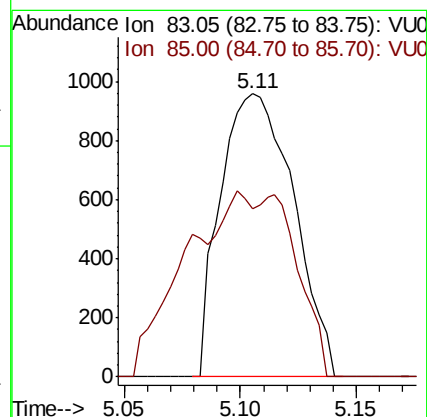
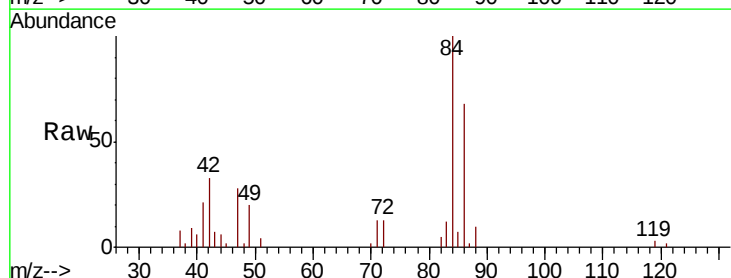
Acq: 02 Oct 2020 16:32

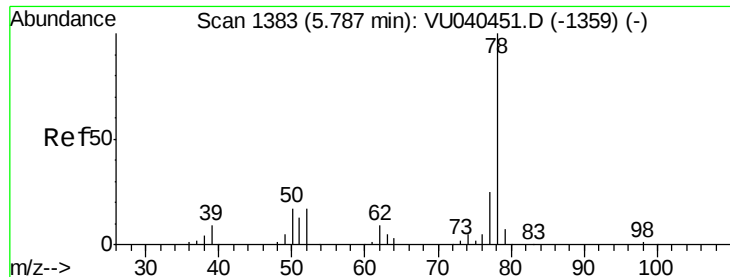
Tgt Ion: 83 Resp: 2099

Ion Ratio Lower Upper

83 100

85 59.4 44.6 82.8

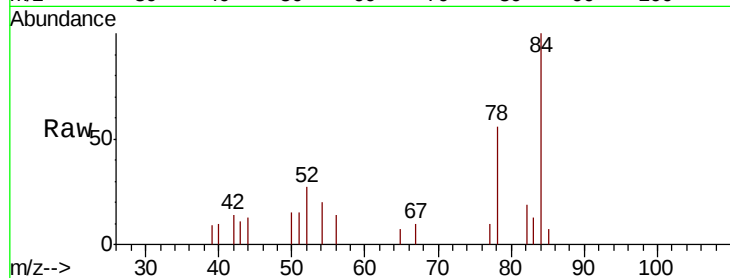




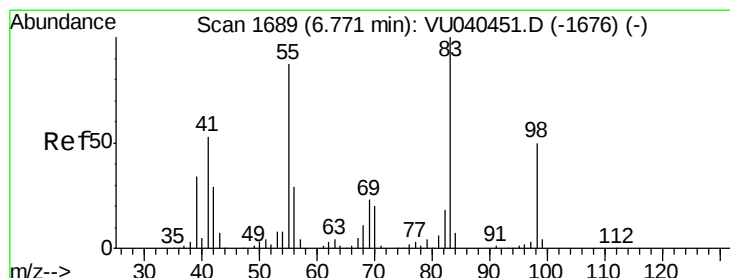
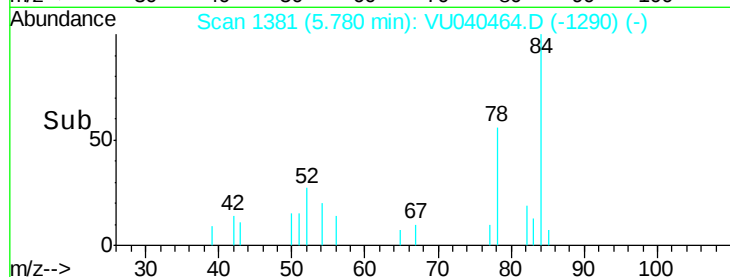
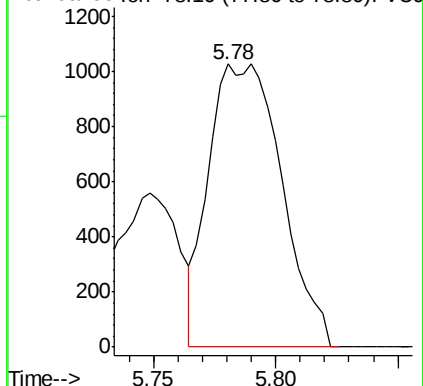
#33
Benzene
Concen: 0.050 ug/L
RT: 5.78 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VU040464.D
Acq: 02 Oct 2020 16:32

Instrument :
MSVOA_U
ClientSampled :
C0AT2

Tgt Ion: 78 Resp: 2128

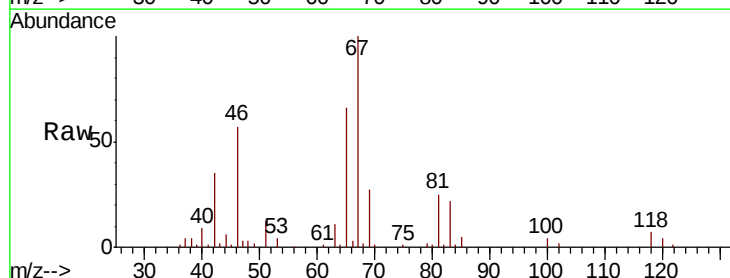


Abundance Ion 78.10 (77.80 to 78.80): VU0

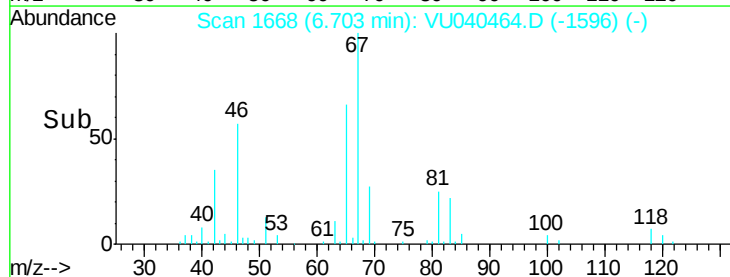
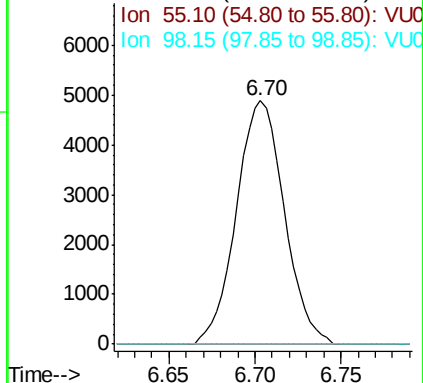


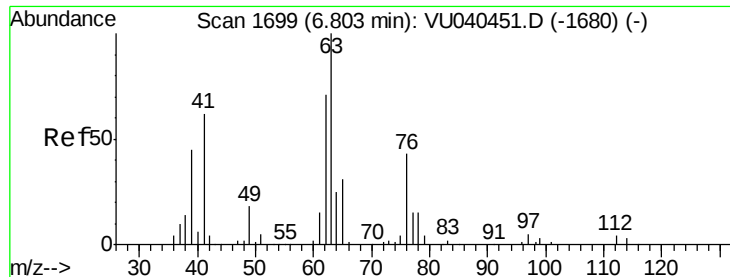
#35
Methylcyclohexane
Concen: 0.565 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040464.D
Acq: 02 Oct 2020 16:32

Tgt Ion: 83 Resp: 9450
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.8 38.5 57.7#



Abundance Ion 83.15 (82.85 to 83.85): VU0





#37

1,2-Dichloropropane

Concen: 0.423 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040464.D

Acq: 02 Oct 2020 16:32

Instrument :

MSVOA_U

ClientSampled :

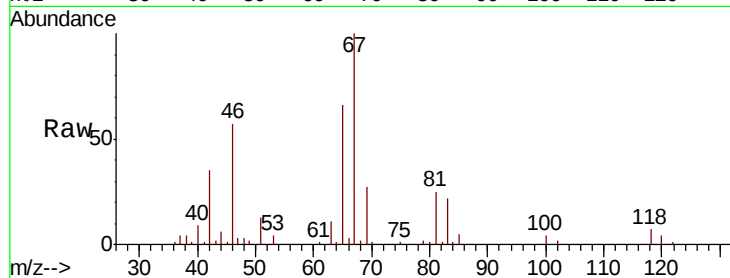
C0AT2

Tot Ion: 63 Resp: 5057

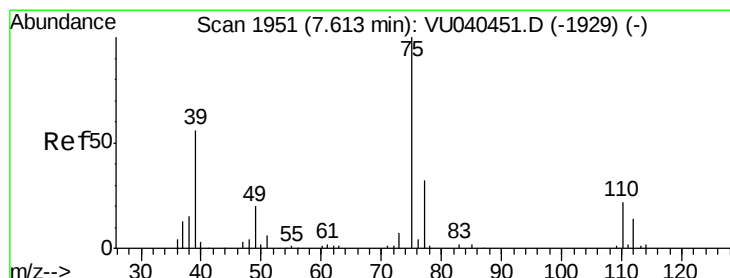
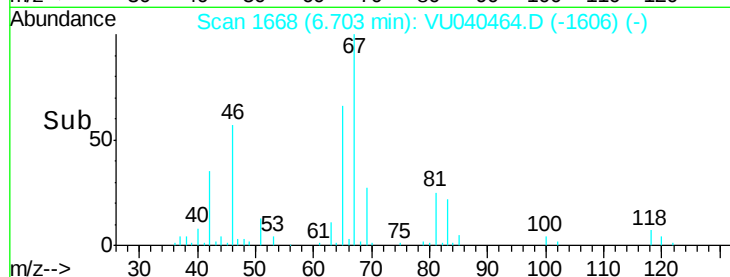
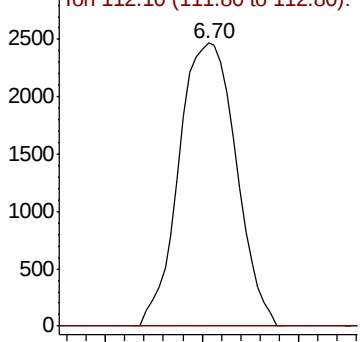
Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040451.D (-1680) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040464.D

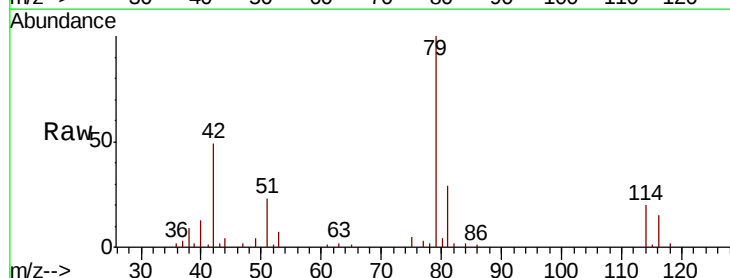
Acq: 02 Oct 2020 16:32

Tgt Ion: 75 Resp: 1378

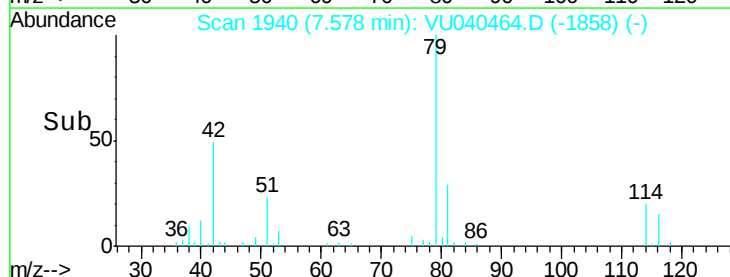
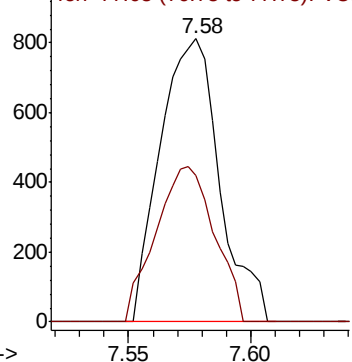
Ion Ratio Lower Upper

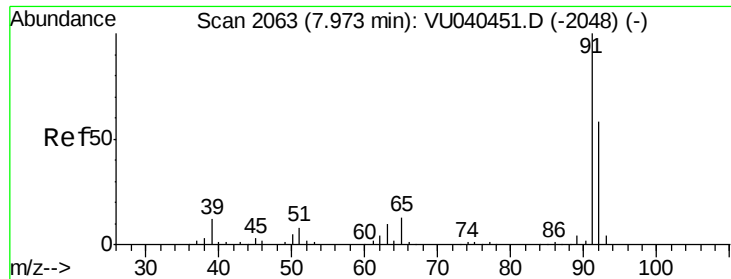
75 100

77 51.6 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU040451.D (-1929) (-)





#42

Toluene

Concen: 0.476 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040464.D

Acq: 02 Oct 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

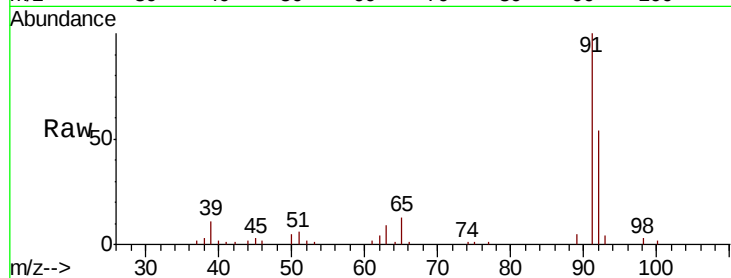
C0AT2

Tot Ion: 91 Resp: 20967

Ion Ratio Lower Upper

91 100

92 53.8 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

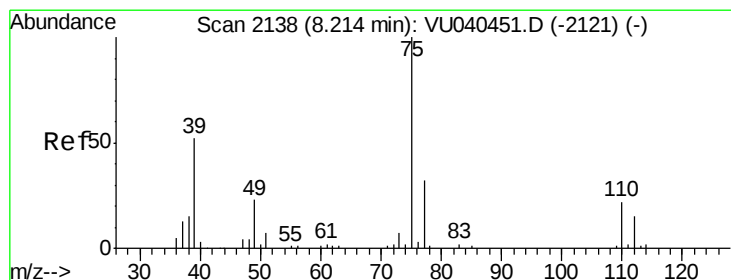
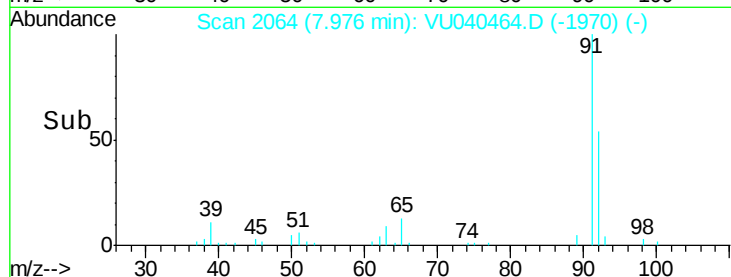
15000

10000

5000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040464.D

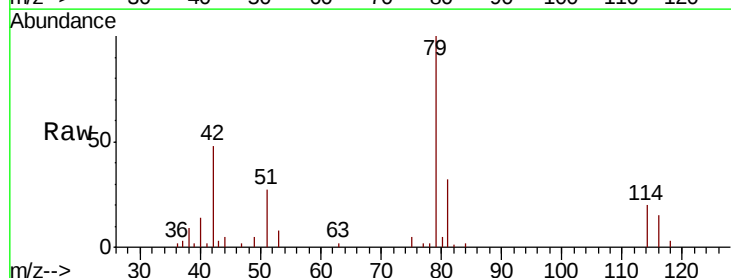
Acq: 02 Oct 2020 16:32

Tgt Ion: 75 Resp: 839

Ion Ratio Lower Upper

75 100

77 42.5 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

600

500

400

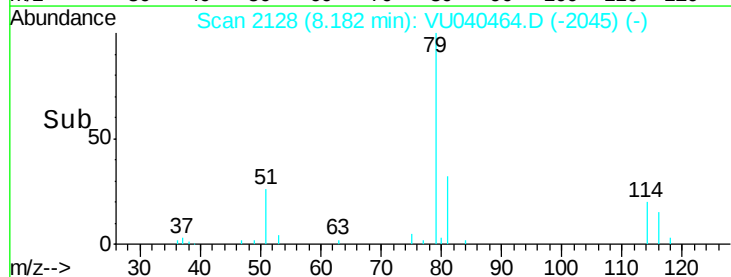
300

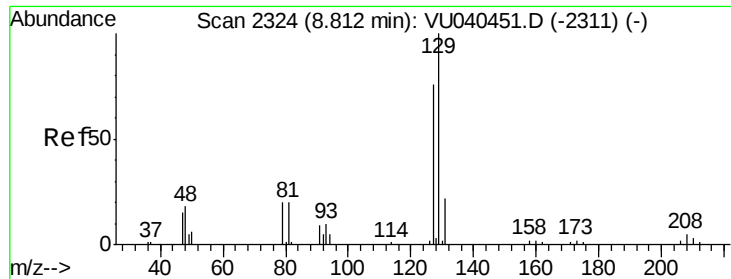
200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22

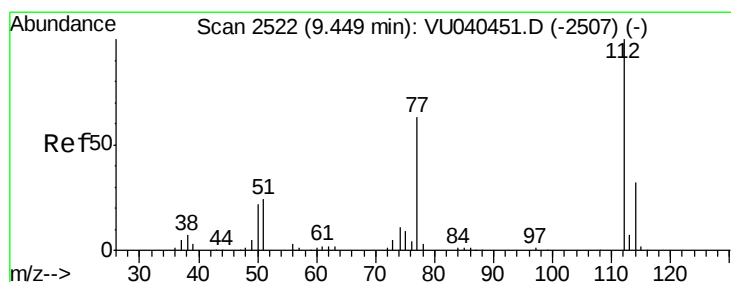
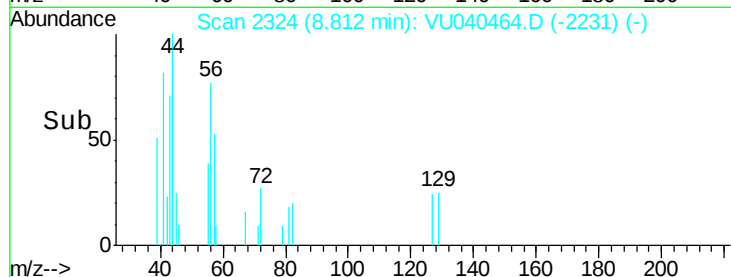
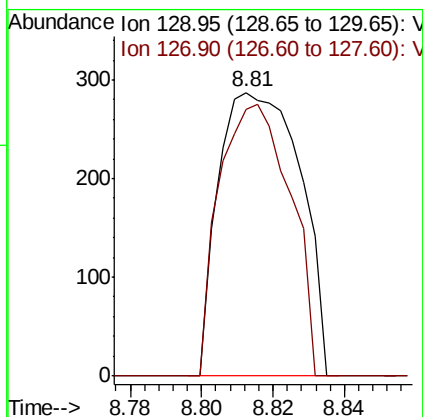
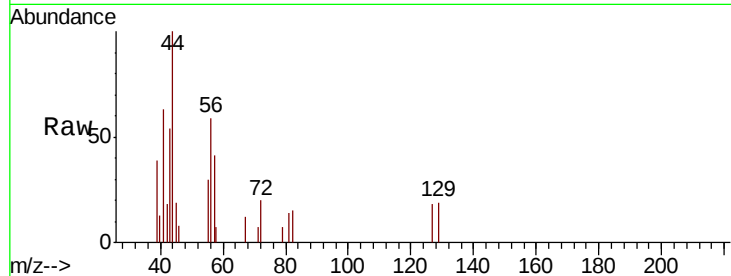




#49
Dibromochloromethane
Concen: 0.046 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040464.D
Acq: 02 Oct 2020 16:32

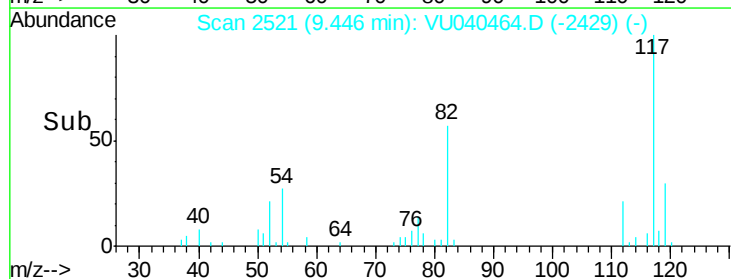
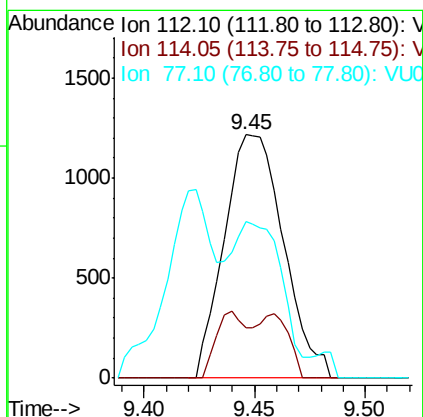
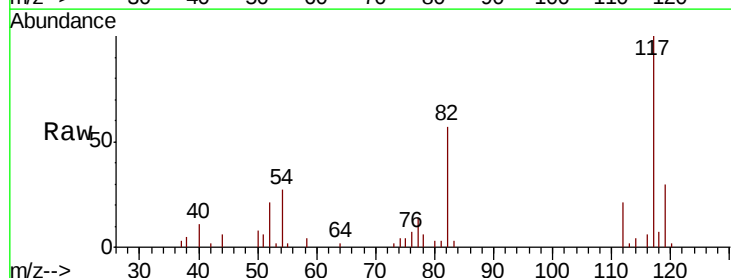
Instrument :
MSVOA_U
ClientSampleId :
C0AT2

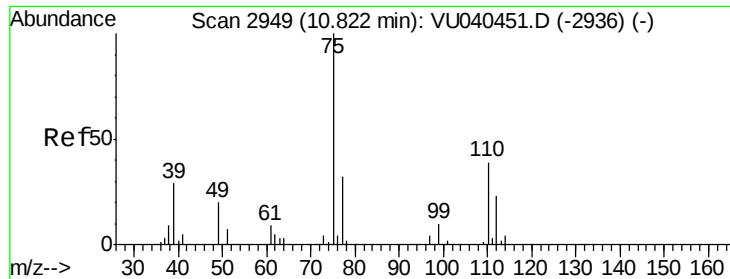
Tot Ion:129 Resp: 453
Ion Ratio Lower Upper
129 100
127 94.1 55.4 103.0



#51
Chlorobenzene
Concen: 0.080 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040464.D
Acq: 02 Oct 2020 16:32

Tgt Ion:112 Resp: 2270
Ion Ratio Lower Upper
112 100
114 20.8 22.0 40.8#
77 64.5 49.5 74.3

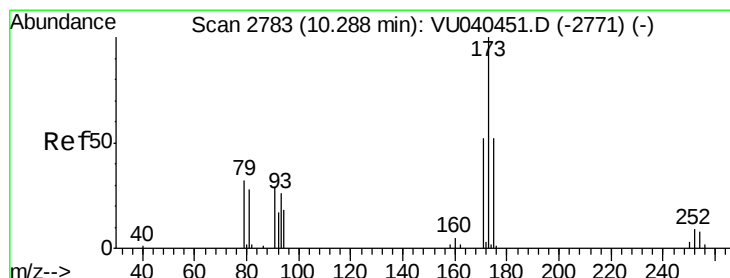
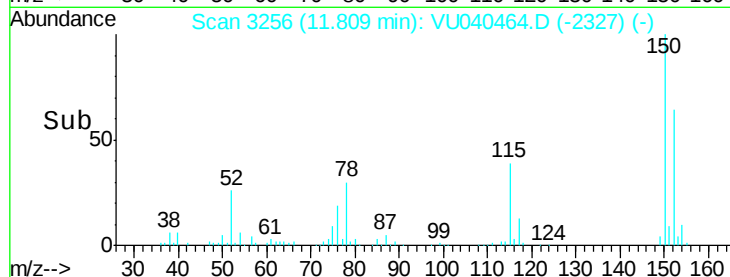
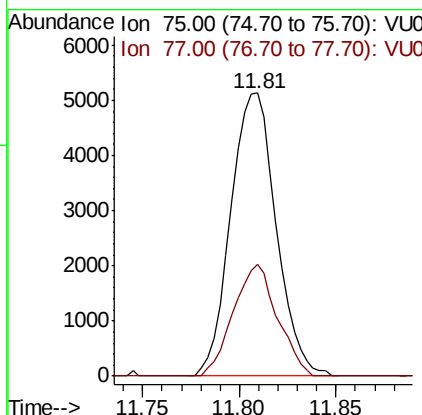
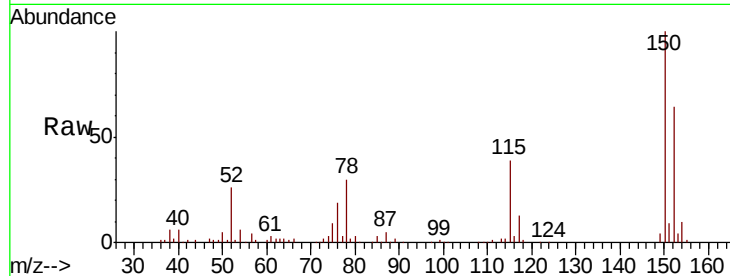




#59
 1,2,3-Trichloropropane
 Concen: 0.968 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040464.D
 Acq: 02 Oct 2020 16:32

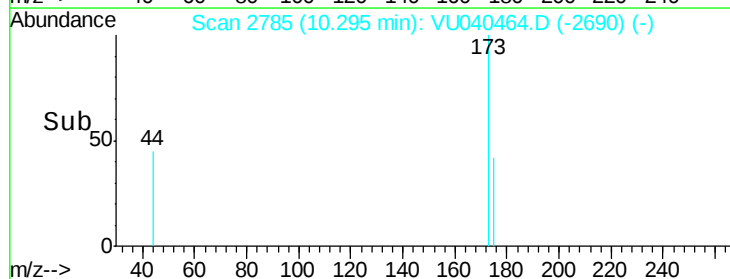
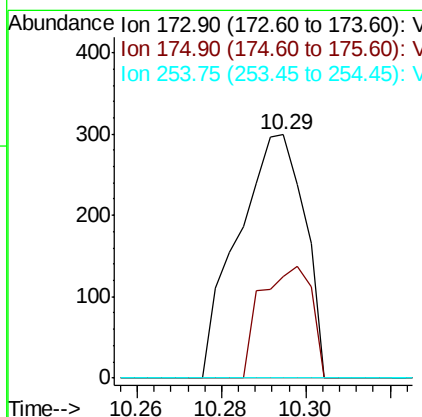
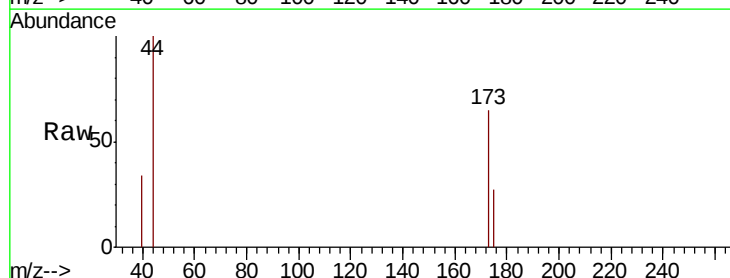
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT2

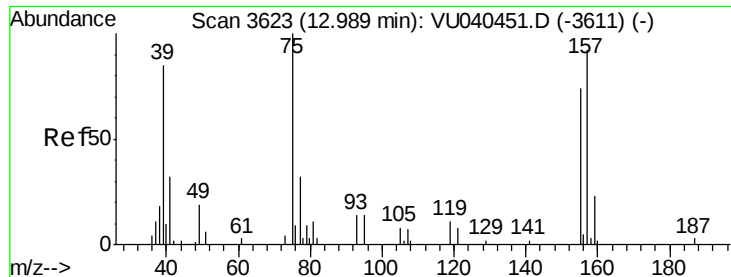
Tot Ion: 75 Resp: 8386
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.7 38.5



#61
 Bromoform
 Concen: 0.064 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: VU040464.D
 Acq: 02 Oct 2020 16:32

Tgt Ion: 173 Resp: 326
 Ion Ratio Lower Upper
 173 100
 175 35.0 39.6 59.4#
 254 0.0 7.0 10.4#

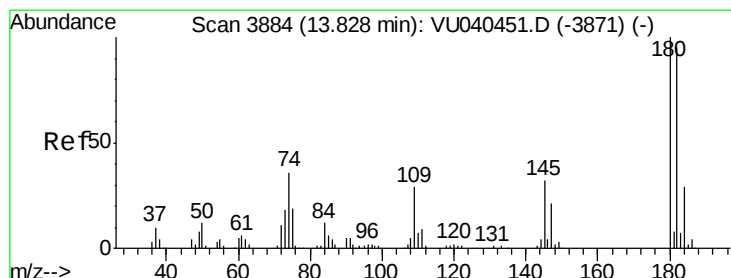
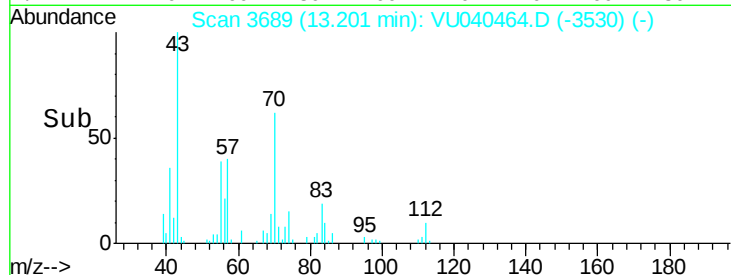
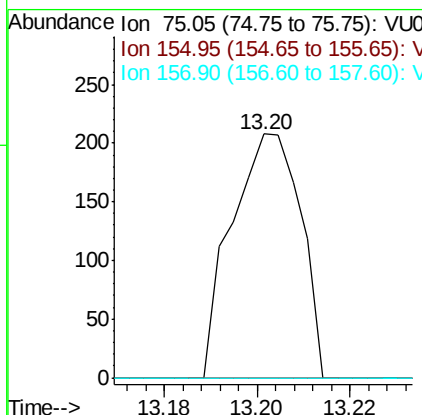
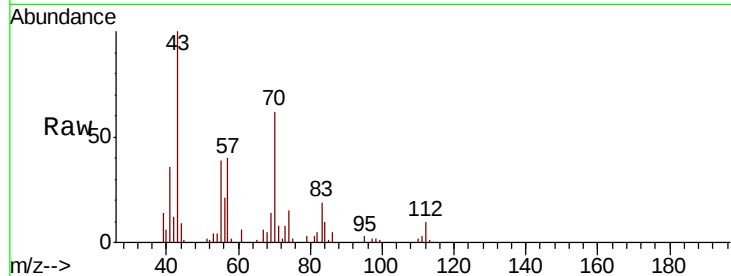




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.121 ug/L
 RT: 13.20 min Scan# 3689
 Delta R.T. 0.21 min
 Lab File: VU040464.D
 Acq: 02 Oct 2020 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT2

Tot Ion: 75 Resp: 215
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.4 89.2#
 157 0.0 65.0 97.4#



#68
 1,2,4-trichlorobenzene
 Concen: 0.044 ug/L
 RT: 13.83 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: VU040464.D
 Acq: 02 Oct 2020 16:32

Tgt Ion: 180 Resp: 514
 Ion Ratio Lower Upper
 180 100
 182 147.9 76.6 115.0#
 145 31.3 26.3 39.5

