

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040116.D
 Acq On : 14 Sep 2020 13:17
 Operator : SY/MD
 Sample : L3961-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 02:14:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 01:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124808	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124047	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55298	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31299	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.92	69	26041	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	49793	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.66	46	109865	40.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.62%
24) Chloroform-d	5.08	84	62502	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.72	65	39027	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
32) Benzene-d6	5.74	84	117014	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
36) 1,2-Dichloropropane-d6	6.70	67	37454	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.40%
41) Toluene-d8	7.91	98	94257	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	8.19	79	15130	3.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.00%
46) 2-Hexanone-d5	8.64	63	75927	36.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	32110	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	38734	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

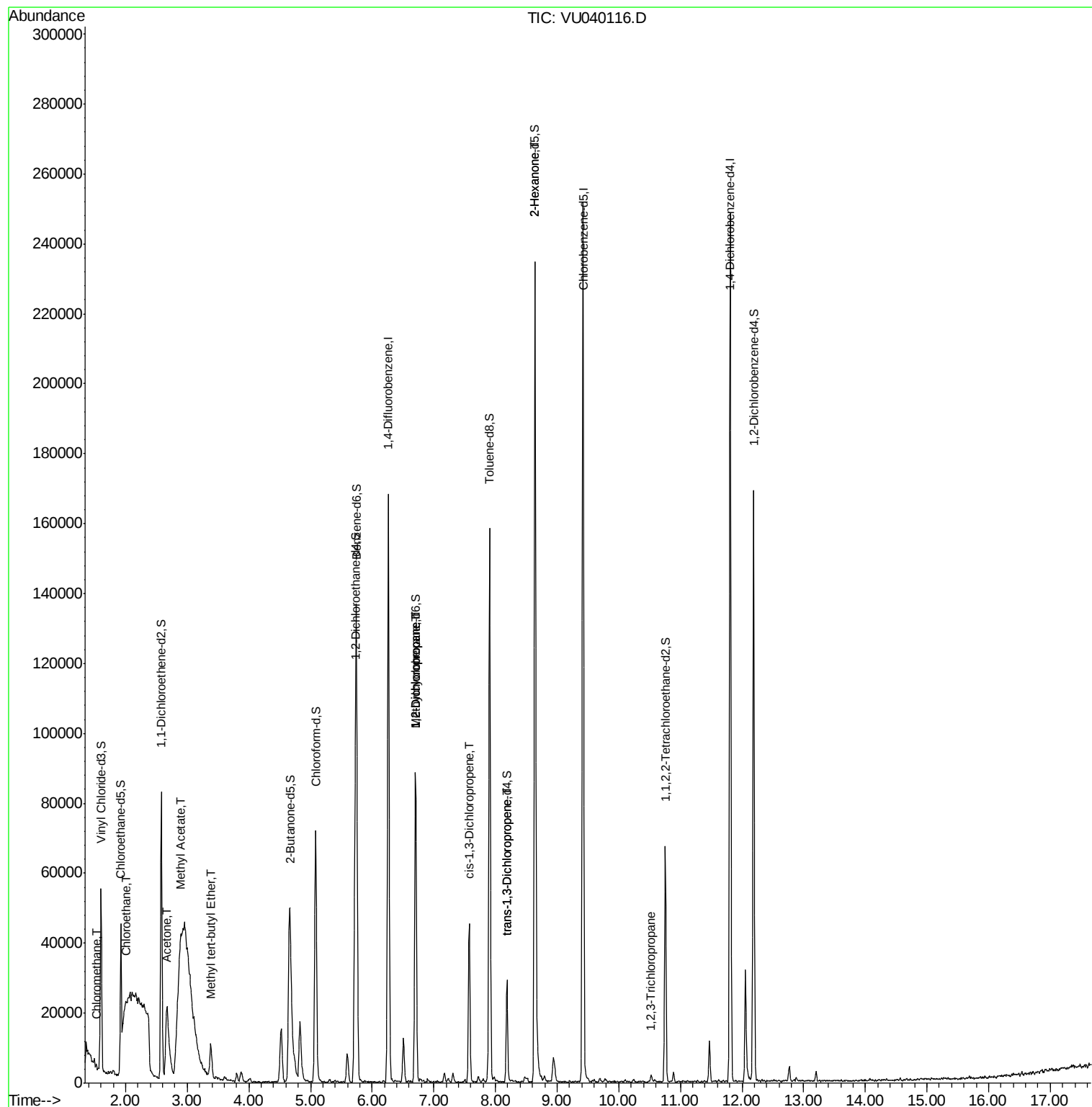
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	774	0.065	ug/L	84
8) Chloroethane	2.01	64	50988	7.057	ug/L #	50
13) Acetone	2.67	43	54025	21.412	ug/L	98
15) Methyl Acetate	2.91	43	2160	0.341	ug/L #	54
17) Methyl tert-butyl Ether	3.38	73	9213	0.316	ug/L #	89
35) Methylcyclohexane	6.71	83	9353	0.513	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	4595	0.382	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1556	0.088	ug/L #	75
44) trans-1,3-Dichloropropene	8.18	75	715	0.044	ug/L #	31
48) 2-Hexanone	8.64	43	11451	1.592	ug/L #	72
59) 1,2,3-Trichloropropane	10.53	75	1240	0.139	ug/L #	44

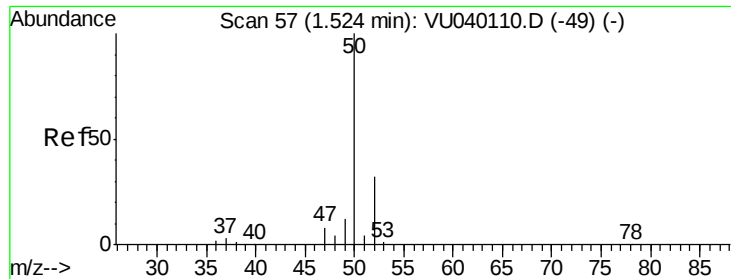
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.065 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040116.D

Acq: 14 Sep 2020 13:17

Instrument :

MSVOA_U

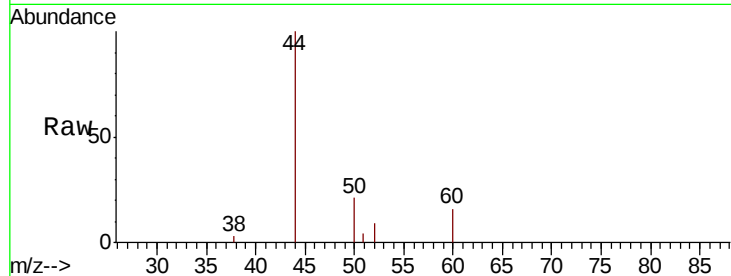
ClientSampleId :

Tot Ion: 50 Resp: 774

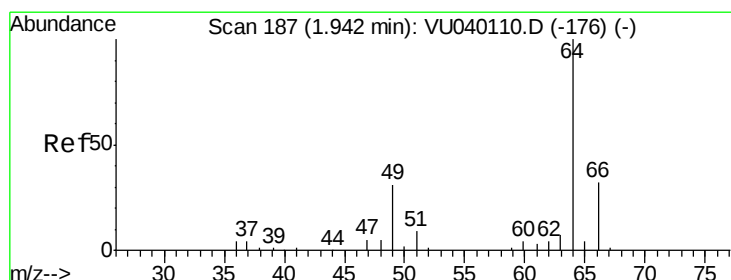
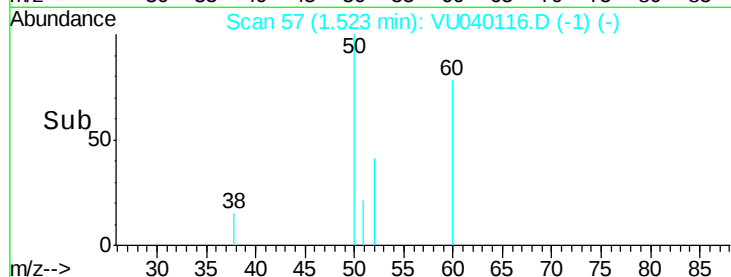
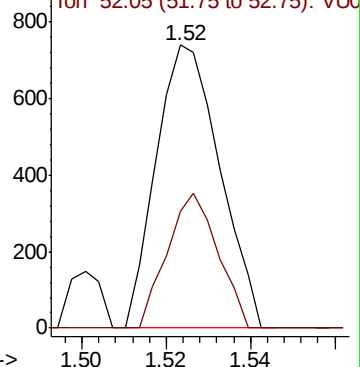
Ion Ratio Lower Upper

50 100

52 41.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040116.D (-1) (-)



#8

Chloroethane

Concen: 7.057 ug/L

RT: 2.01 min Scan# 207

Delta R.T. 0.06 min

Lab File: VU040116.D

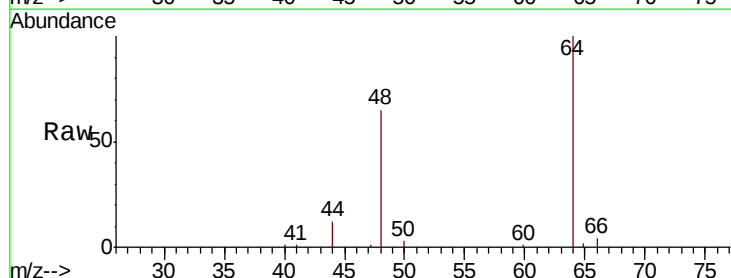
Acq: 14 Sep 2020 13:17

Tgt Ion: 64 Resp: 50988

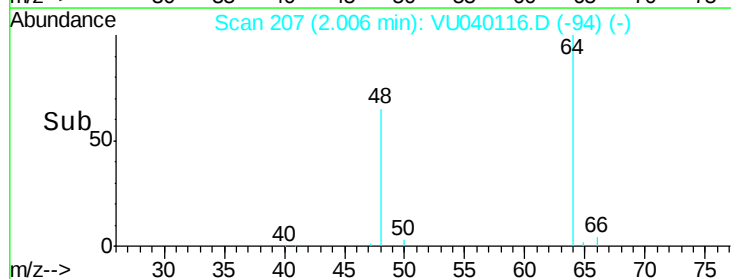
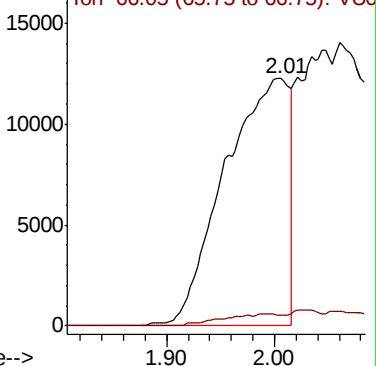
Ion Ratio Lower Upper

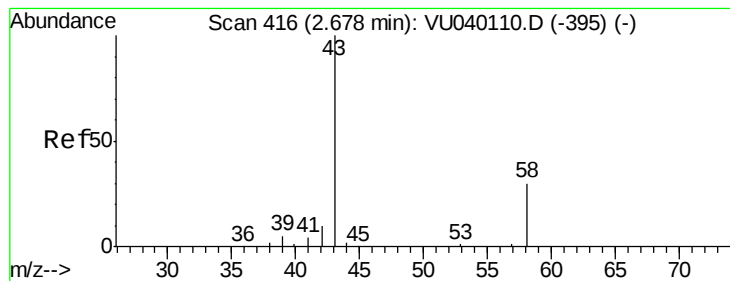
64 100

66 4.2 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU040116.D (-94) (-)





#13

Acetone

Concen: 21.412 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040116.D

Acq: 14 Sep 2020 13:17

Instrument :

MSVOA_U

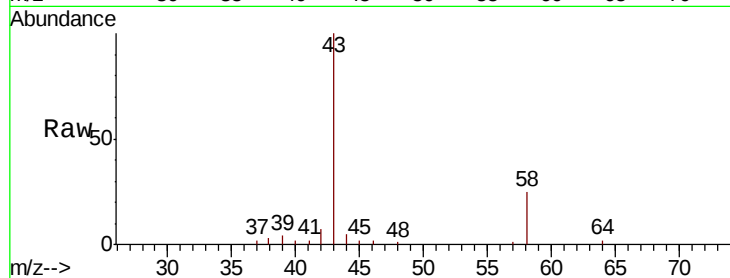
ClientSampleId :

Tot Ion: 43 Resp: 54025

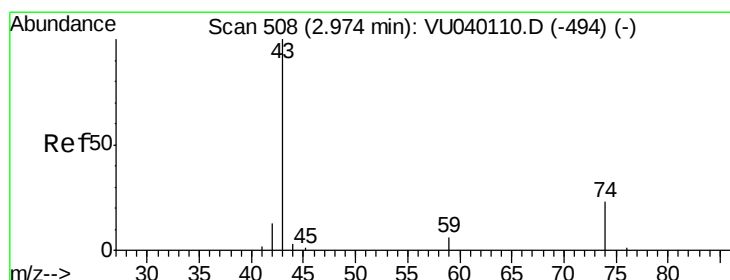
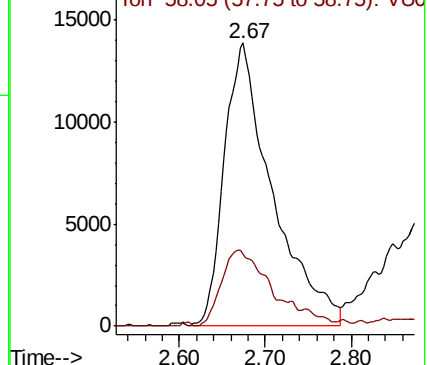
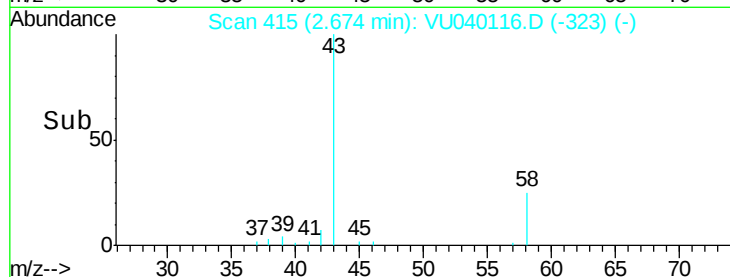
Ion Ratio Lower Upper

43 100

58 26.6 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040116.D (-323) (-)



#15

Methyl Acetate

Concen: 0.341 ug/L

RT: 2.91 min Scan# 487

Delta R.T. -0.07 min

Lab File: VU040116.D

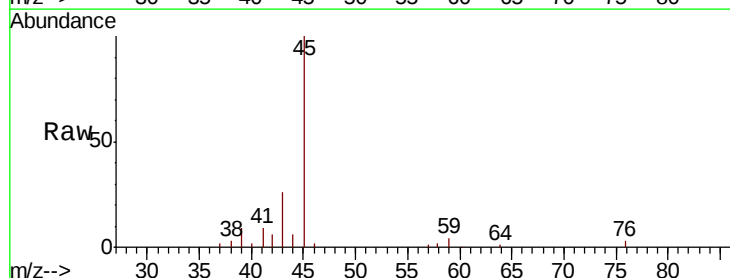
Acq: 14 Sep 2020 13:17

Tgt Ion: 43 Resp: 2160

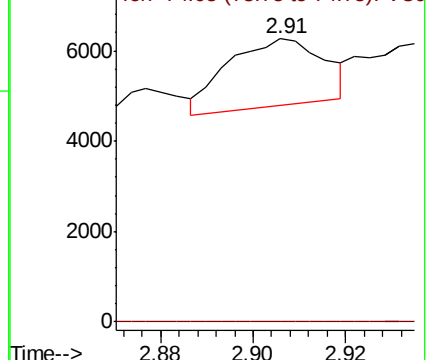
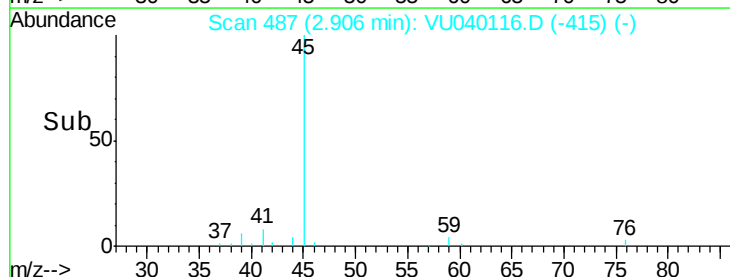
Ion Ratio Lower Upper

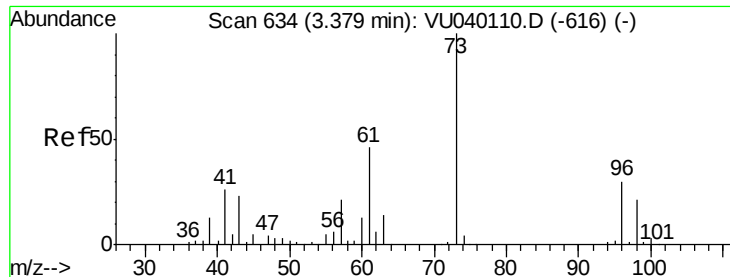
43 100

74 0.0 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040116.D (-415) (-)

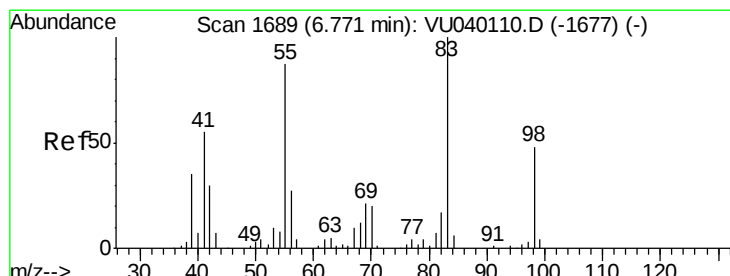
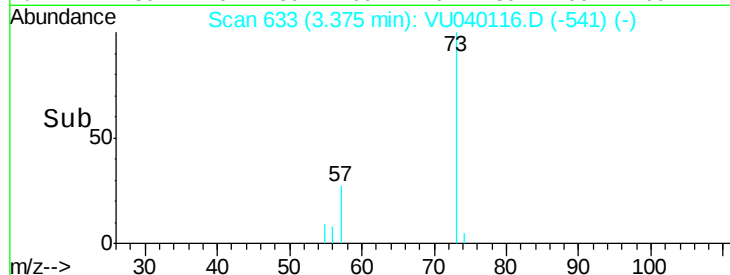
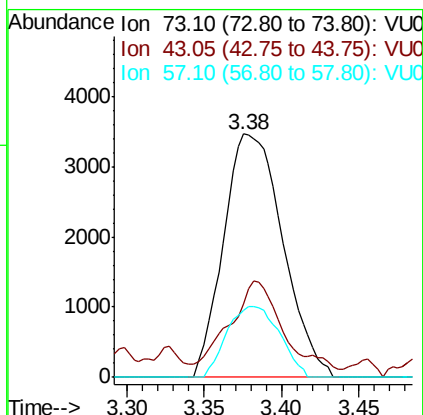
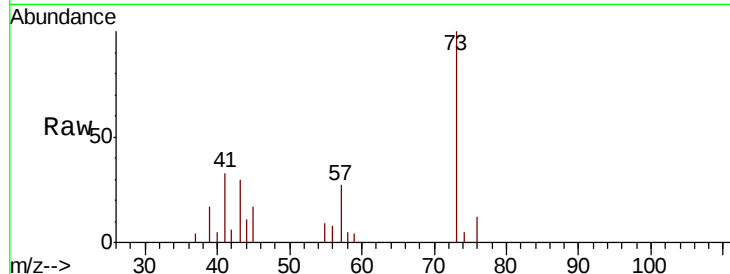




#17
Methyl tert-butyl Ether
Concen: 0.316 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU040116.D
Acq: 14 Sep 2020 13:17

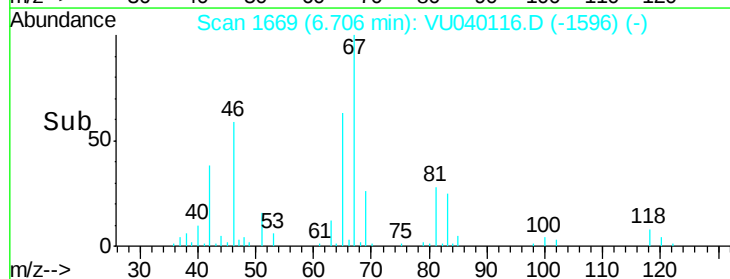
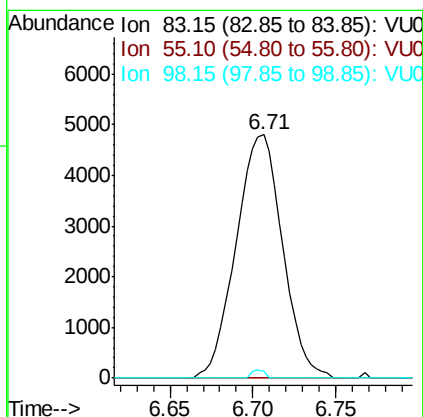
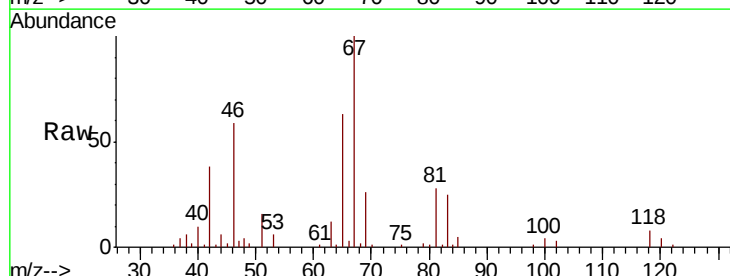
Instrument :
MSVOA_U
ClientSampleId :

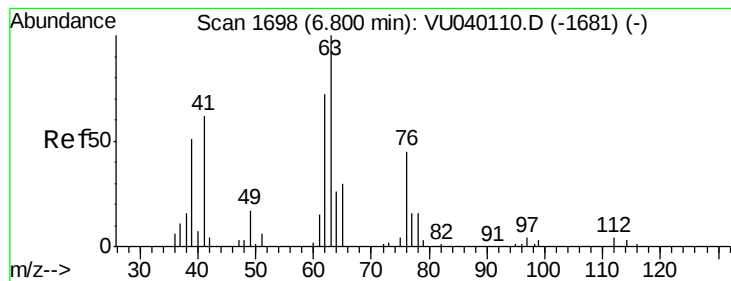
Tot Ion: 73 Resp: 9213
Ion Ratio Lower Upper
73 100
43 31.7 19.1 28.7#
57 25.9 18.3 27.5



#35
Methylcyclohexane
Concen: 0.513 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU040116.D
Acq: 14 Sep 2020 13:17

Tgt Ion: 83 Resp: 9353
Ion Ratio Lower Upper
83 100
55 2.6 70.5 105.7#
98 0.9 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.382 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040116.D

Acq: 14 Sep 2020 13:17

Instrument :

MSVOA_U

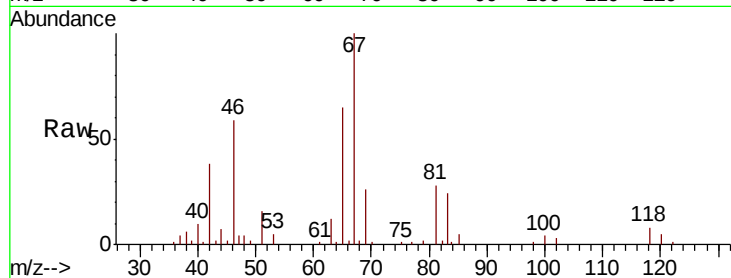
ClientSampleId :

Tot Ion: 63 Resp: 4595

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040116.D (-1665) (-)

Ion 112.10 (111.80 to 112.80): VU040116.D (-1665) (-)

6.70

2500

2000

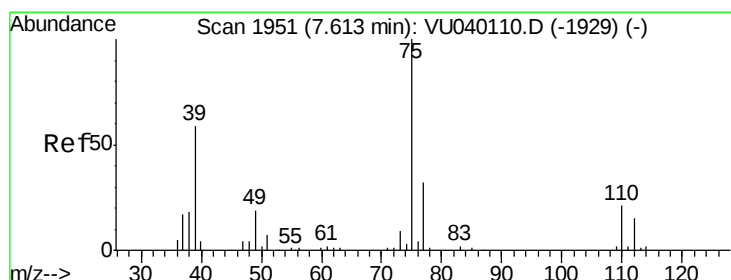
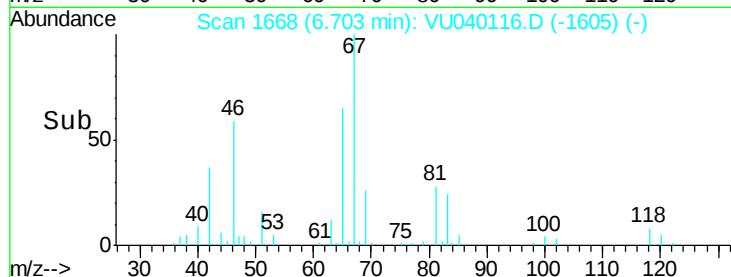
1500

1000

500

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040116.D

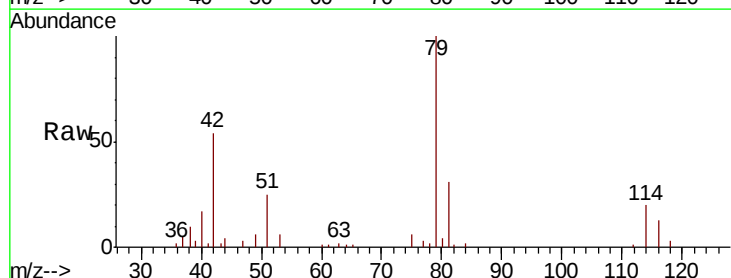
Acq: 14 Sep 2020 13:17

Tgt Ion: 75 Resp: 1556

Ion Ratio Lower Upper

75 100

77 44.0 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040116.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU040116.D (-1858) (-)

7.57

800

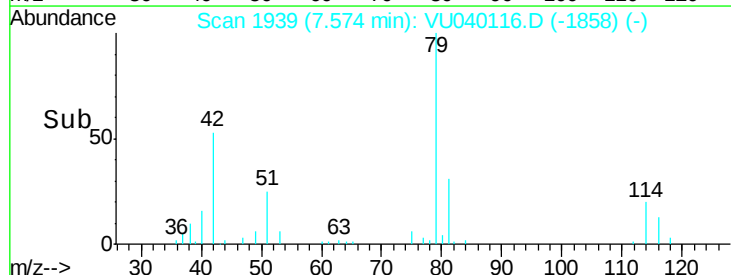
600

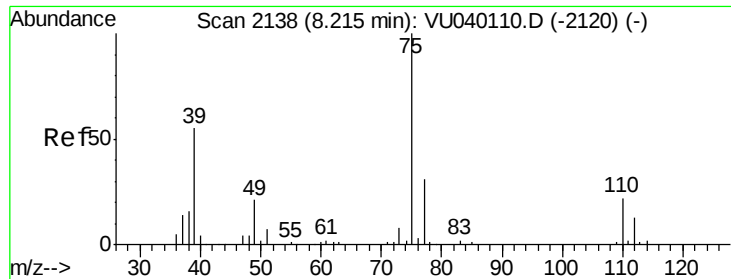
400

200

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.044 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040116.D

Acq: 14 Sep 2020 13:17

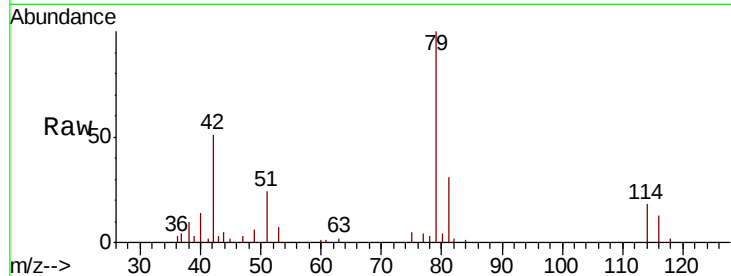
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 715

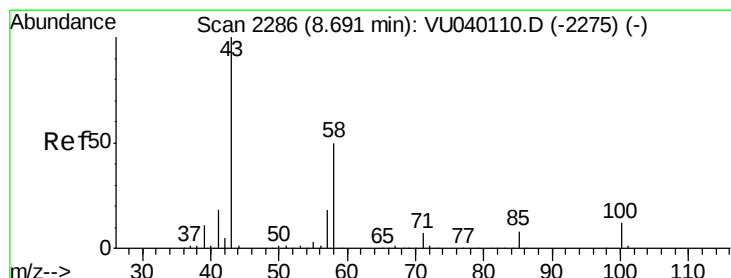
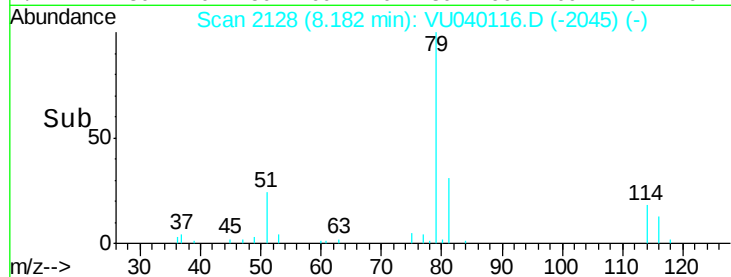
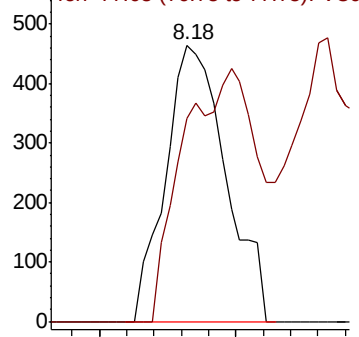
Ion Ratio Lower Upper

75 100

77 73.5 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040116.D (-2120) (-)



#48

2-Hexanone

Concen: 1.592 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040116.D

Acq: 14 Sep 2020 13:17

Tgt Ion: 43 Resp: 11451

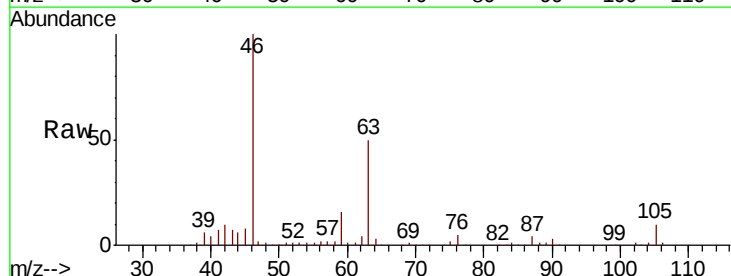
Ion Ratio Lower Upper

43 100

58 28.4 39.6 59.4#

57 26.7 14.3 21.5#

100 0.4 8.0 12.0#

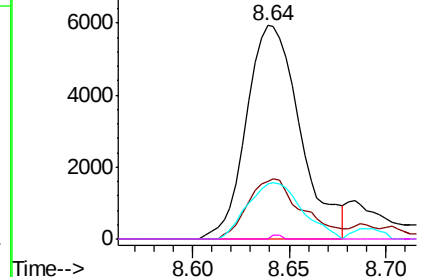
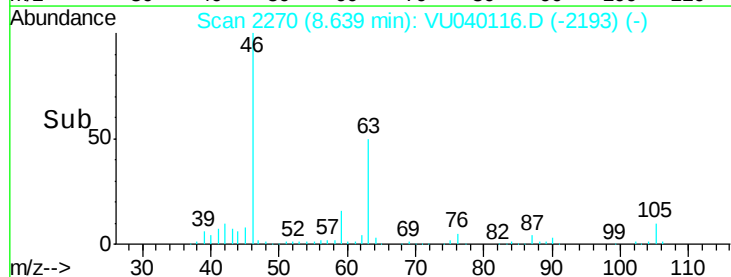


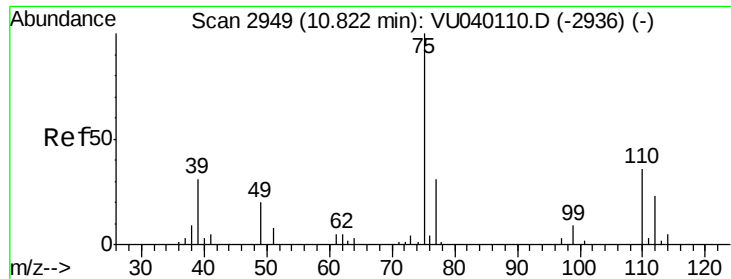
Abundance Ion 43.05 (42.75 to 43.75): VU040116.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040116.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040116.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040116.D (-2193) (-)





#59

1,2,3-Trichloropropane

Concen: 0.139 ug/L

RT: 10.53 min Scan# 2857

Delta R.T. -0.30 min

Lab File: VU040116.D

Acq: 14 Sep 2020 13:17

Instrument :

MSVOA_U

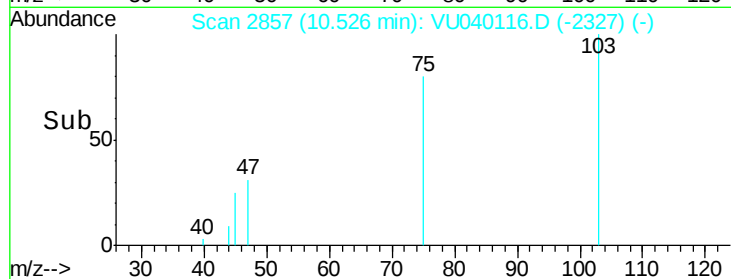
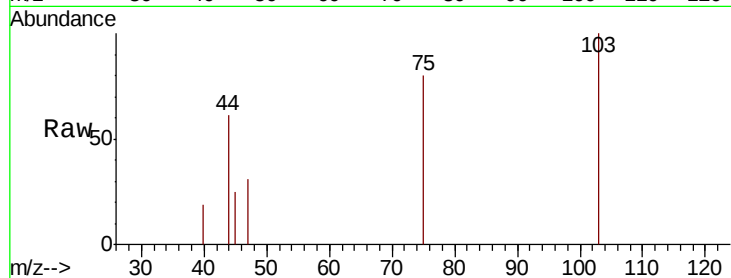
ClientSampleId :

Tot Ion: 75 Resp: 1240

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.53

600

400

200

0

Time-->