

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040416.D
 Acq On : 01 Oct 2020 11:53
 Operator : SY/MD
 Sample : L4186-15DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F5DL

Quant Time: Oct 02 03:21:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 03:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	147133	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	146066	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63356	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26171	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.92	69	27391	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.58	63	45416	2.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.80%#
20) 2-Butanone-d5	4.66	46	166448	46.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.00%
24) Chloroform-d	5.08	84	73421	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.72	65	45614	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.75	84	125465	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.70	67	46473	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.91	98	93921	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	8.19	79	16733	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.64	63	109902	42.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44472	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	44915	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

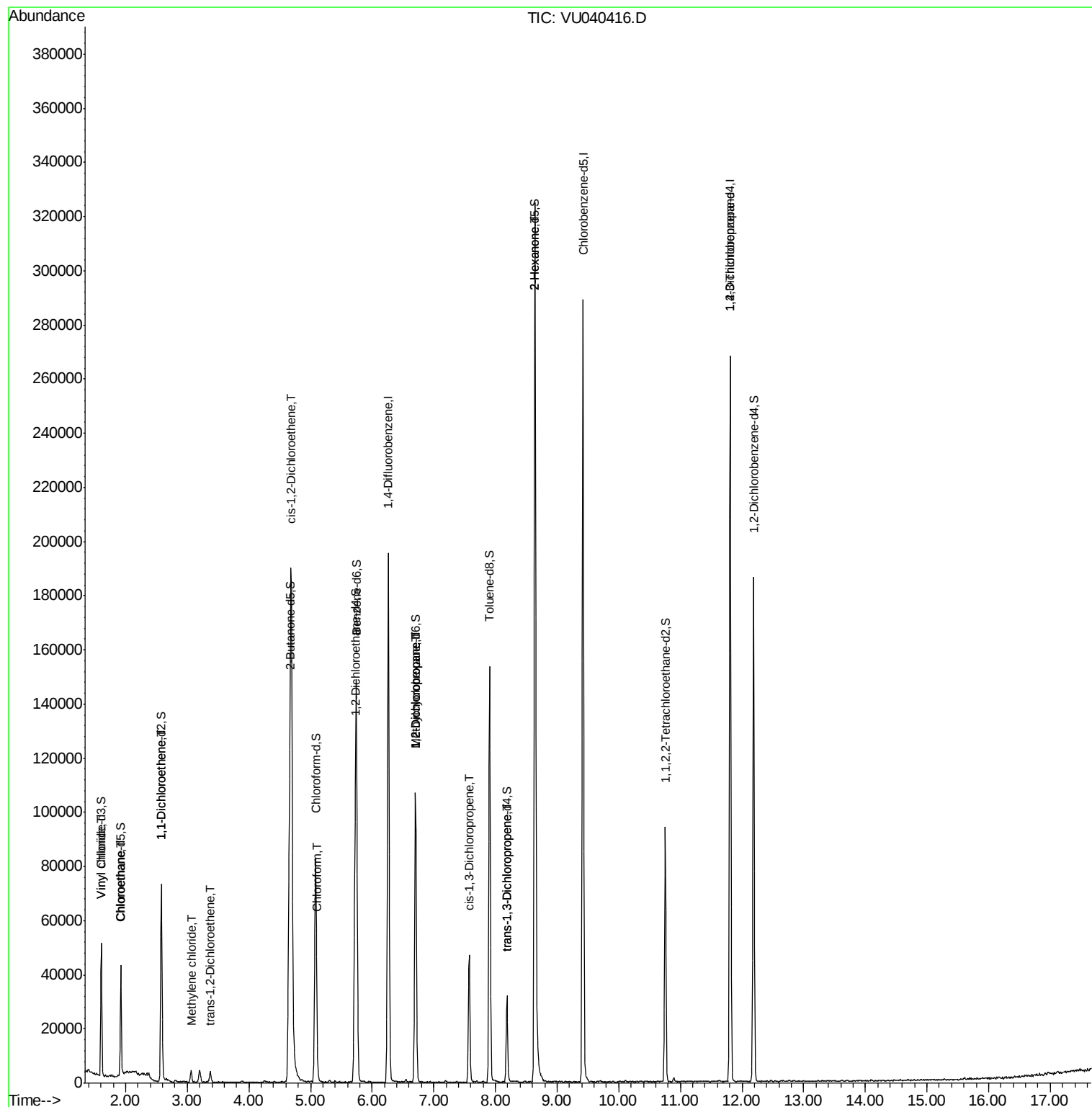
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	7841	0.551	ug/L	83
8) Chloroethane	1.93	64	1154	0.137	ug/L #	44
12) 1,1-Dichloroethene	2.59	96	845	0.075	ug/L #	1
16) Methylene chloride	3.06	84	1992	0.142	ug/L	91
18) trans-1,2-Dichloroethene	3.37	96	1473	0.127	ug/L #	65
22) cis-1,2-Dichloroethene	4.69	96	69831	5.448	ug/L	98
25) Chloroform	5.11	83	2432	0.100	ug/L	88
35) Methylcyclohexane	6.70	83	10699	0.561	ug/L #	13
37) 1,2-Dichloropropane	6.71	63	5405	0.396	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1367	0.075	ug/L #	78
44) trans-1,3-Dichloropropene	8.18	75	767	0.045	ug/L #	58
48) 2-Hexanone	8.64	43	15757	2.002	ug/L #	74
59) 1,2,3-Trichloropropane	11.81	75	9322	0.943	ug/L	96

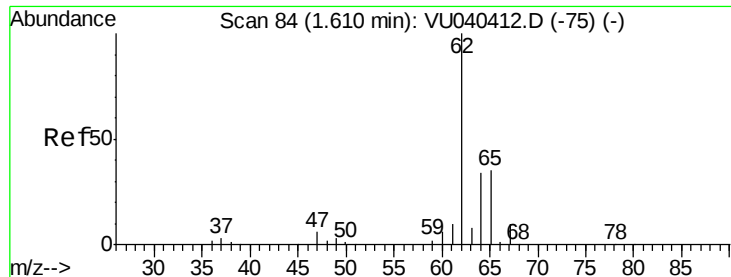
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 03:13:35 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.551 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

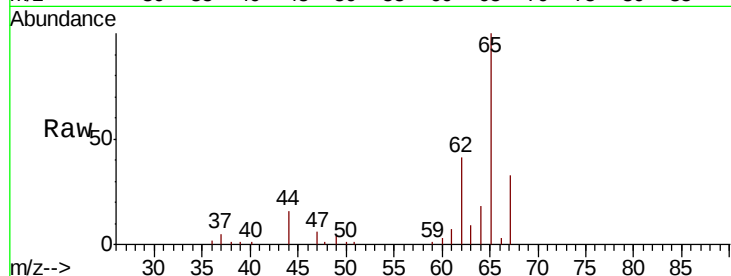
BG0F5DL

Tot Ion: 62 Resp: 7841

Ion Ratio Lower Upper

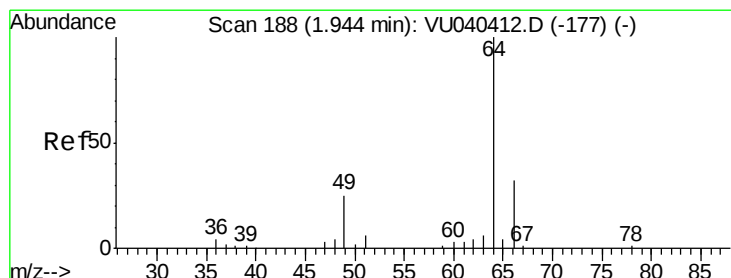
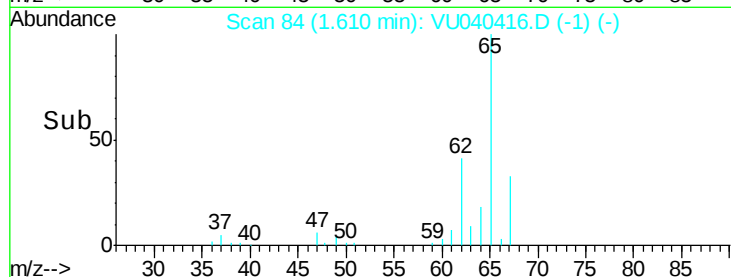
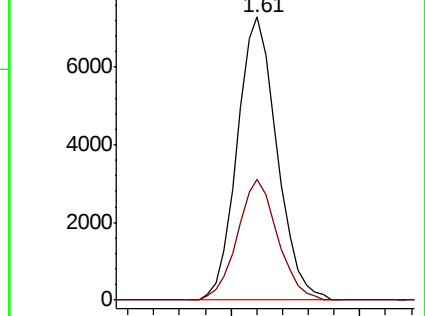
62 100

64 42.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.137 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU040416.D

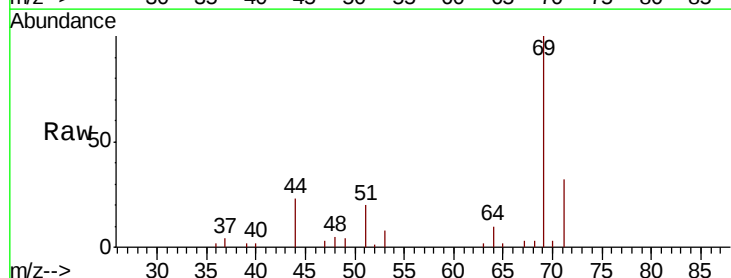
Acq: 01 Oct 2020 11:53

Tgt Ion: 64 Resp: 1154

Ion Ratio Lower Upper

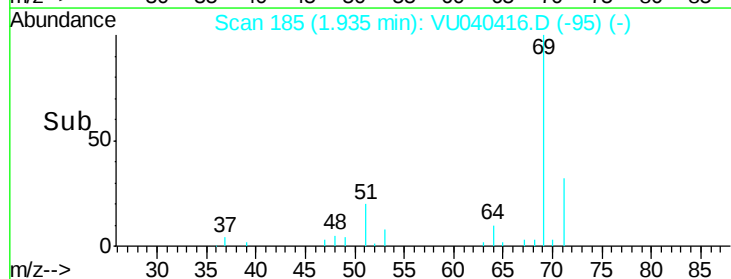
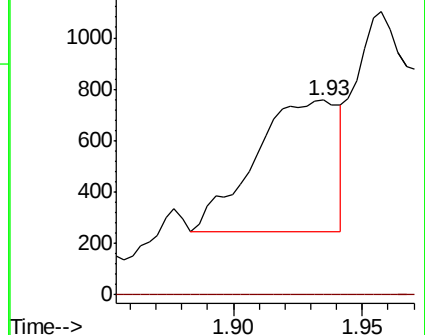
64 100

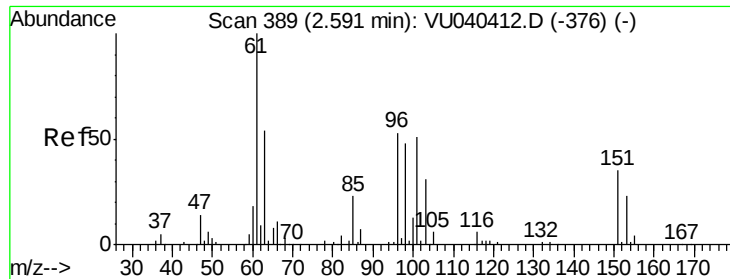
66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

BG0F5DL

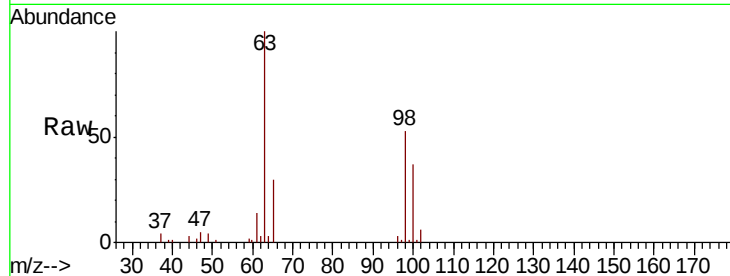
Tot Ion: 96 Resp: 845

Ion Ratio Lower Upper

96 100

61 509.0 128.6 238.8#

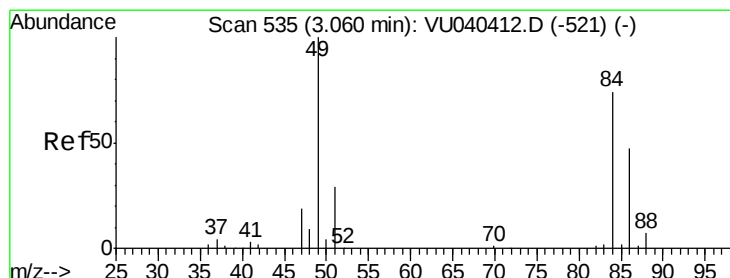
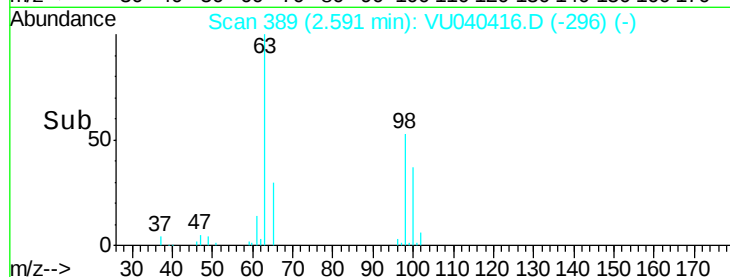
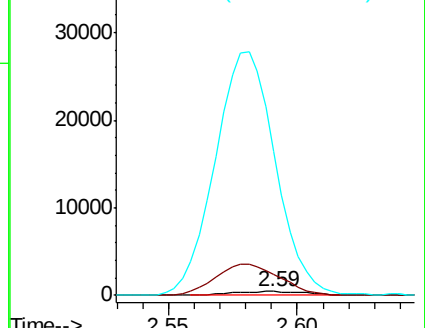
63 3515.2 67.8 126.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#16

Methylene chloride

Concen: 0.142 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

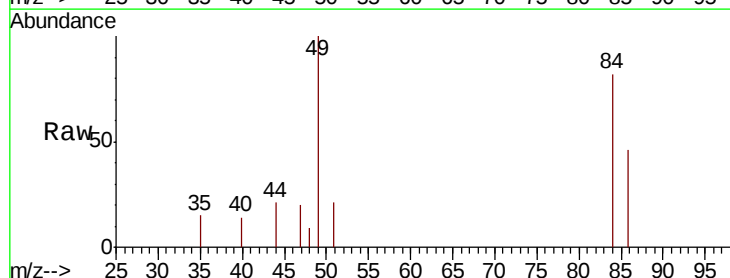
Tgt Ion: 84 Resp: 1992

Ion Ratio Lower Upper

84 100

86 55.8 44.4 82.5

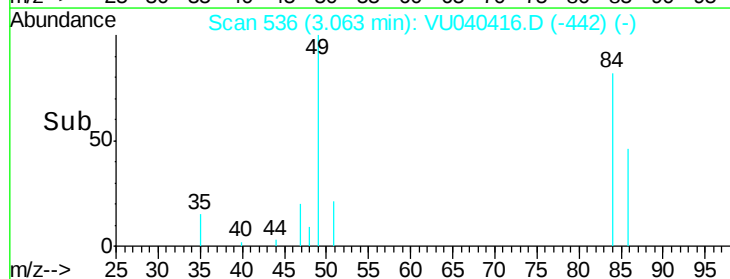
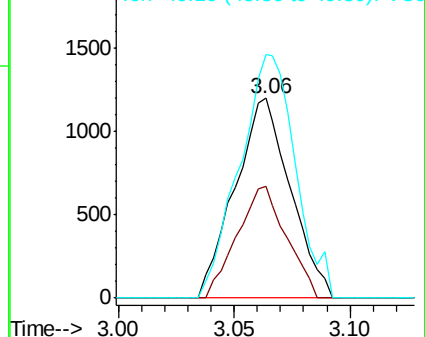
49 122.0 92.2 171.2

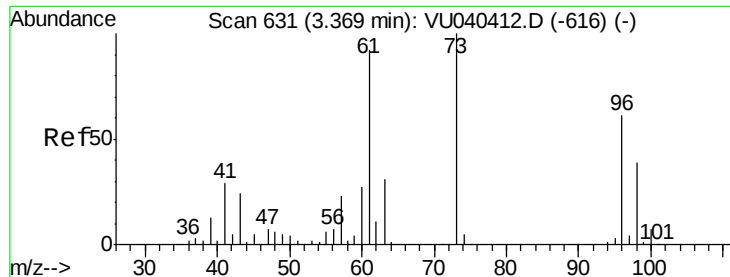


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.127 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

Instrument :

MSVOA_U

ClientSampled :

BG0F5DL

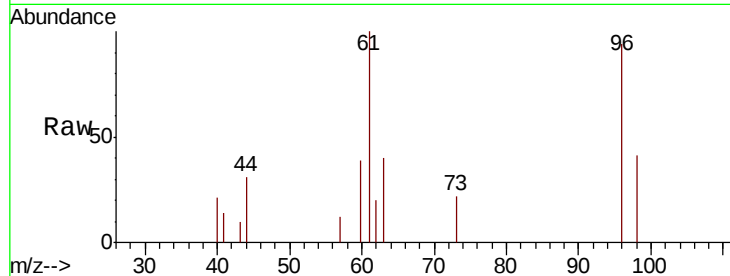
Tot Ion: 96 Resp: 1473

Ion Ratio Lower Upper

96 100

61 106.3 109.3 203.1#

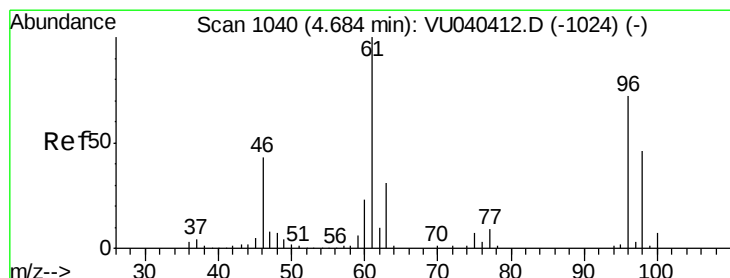
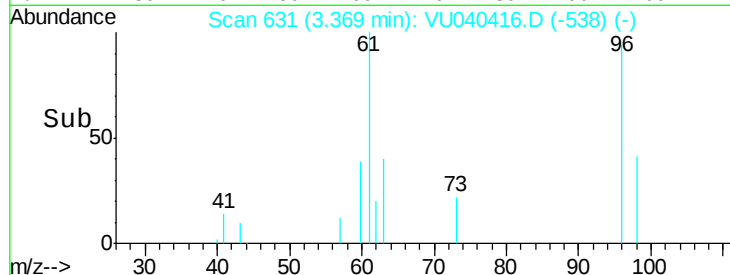
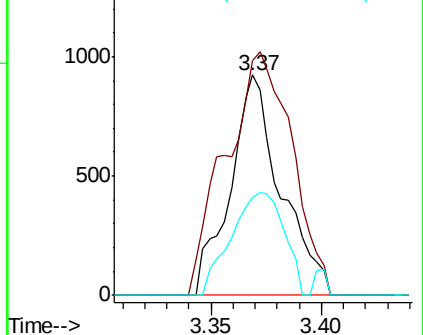
98 44.0 45.8 85.0#



Abundance Ion 96.00 (95.70 to 96.70): VU040416.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040416.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040416.D (-538) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.448 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

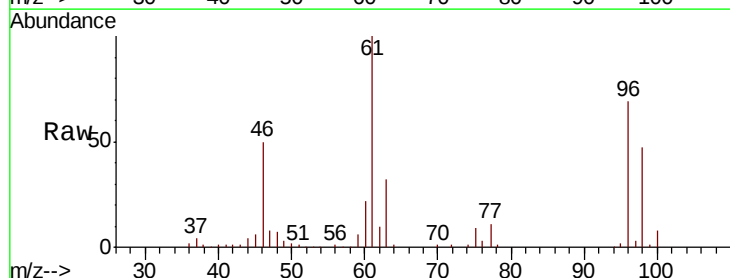
Tgt Ion: 96 Resp: 69831

Ion Ratio Lower Upper

96 100

61 144.3 99.3 184.5

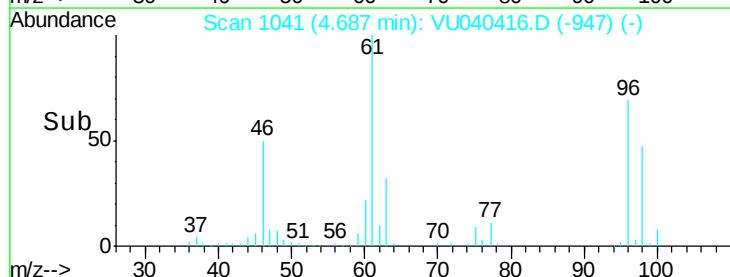
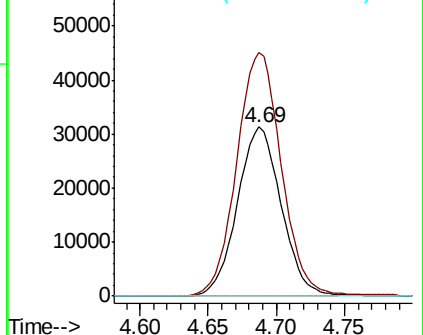
68 0.0 0.0 0.0

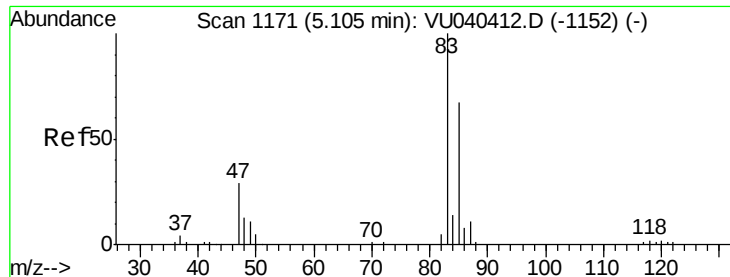


Abundance Ion 96.00 (95.70 to 96.70): VU040416.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040416.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040416.D (-947) (-)

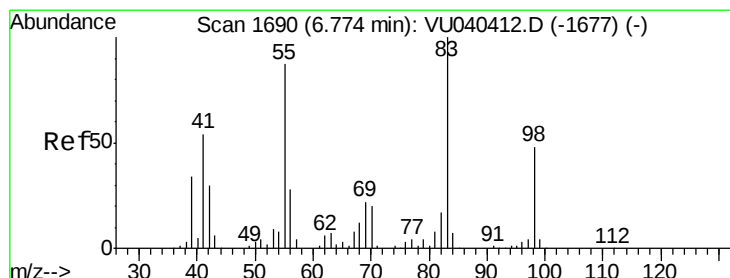
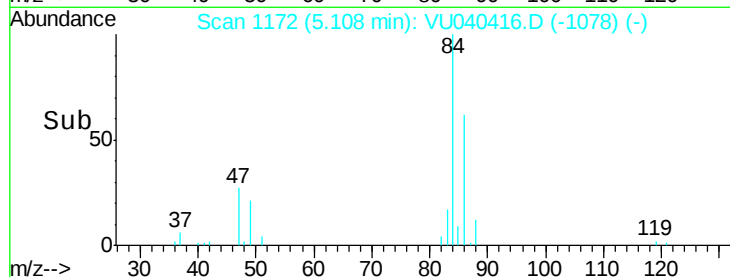
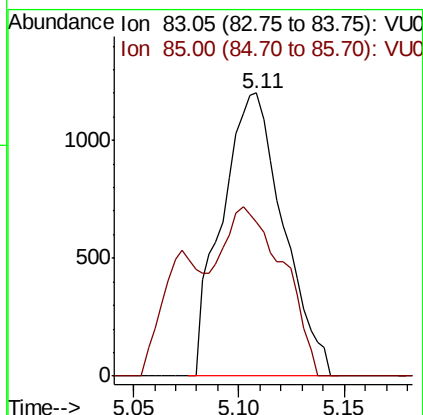
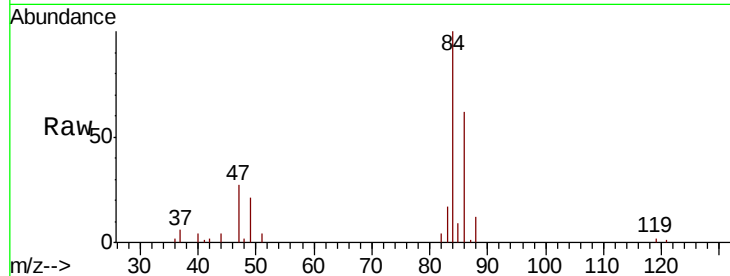




#25
Chloroform
Concen: 0.100 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040416.D
Acq: 01 Oct 2020 11:53

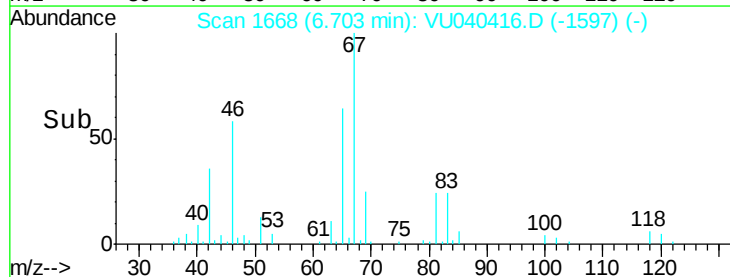
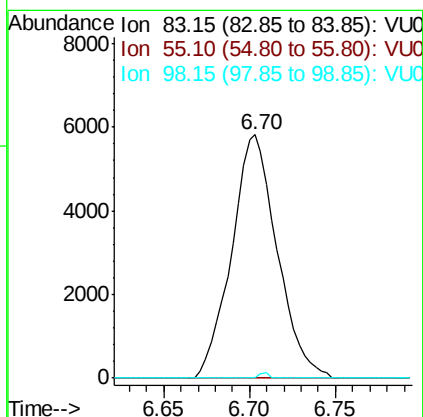
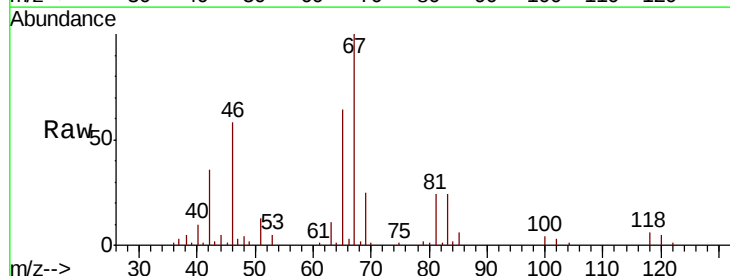
Instrument :
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BG0F5DL

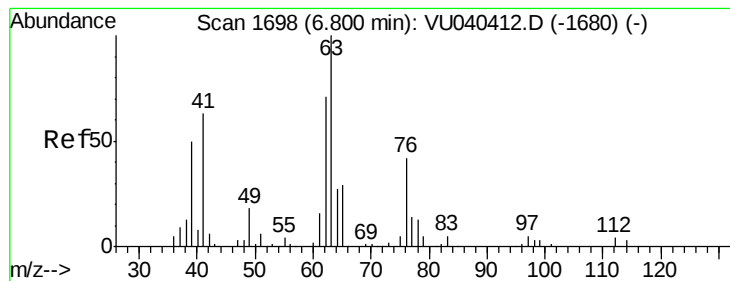
Tot Ion: 83 Resp: 2432
Ion Ratio Lower Upper
83 100
85 54.6 44.6 82.8



#35
Methylcyclohexane
Concen: 0.561 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040416.D
Acq: 01 Oct 2020 11:53

Tgt Ion: 83 Resp: 10699
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.4 38.5 57.7#





#37

1,2-Dichloropropane

Concen: 0.396 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.09 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

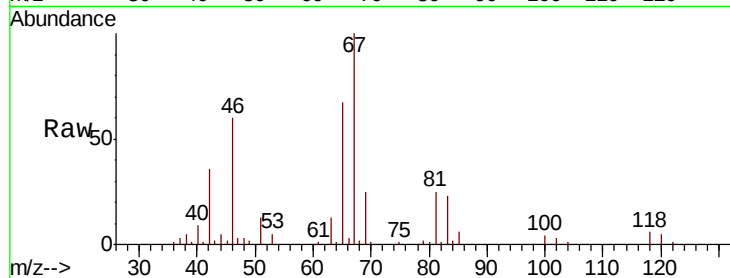
BG0F5DL

Tot Ion: 63 Resp: 5405

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040416.D (-1665) (-)

Ion 112.10 (111.80 to 112.80): VU040416.D (-1665) (-)

6.71

3000

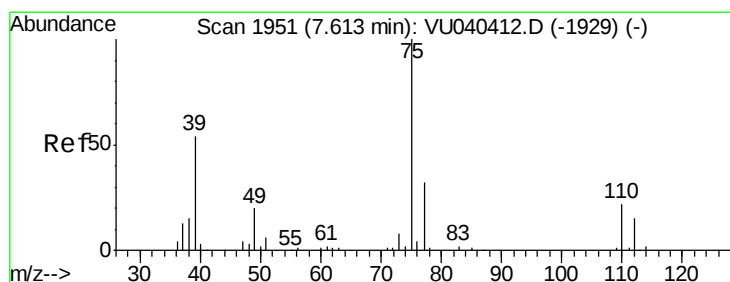
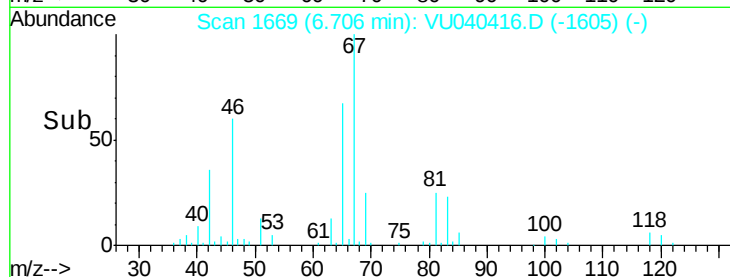
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040416.D

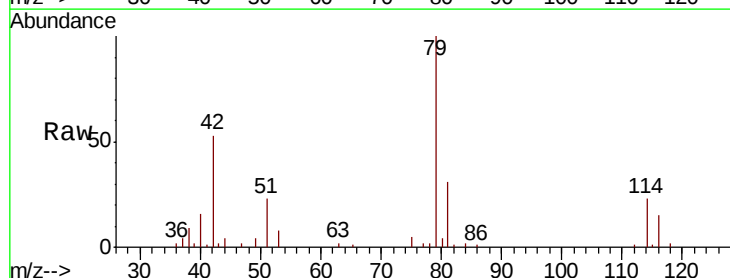
Acq: 01 Oct 2020 11:53

Tgt Ion: 75 Resp: 1367

Ion Ratio Lower Upper

75 100

77 46.1 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU040416.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU040416.D (-1858) (-)

7.57

800

600

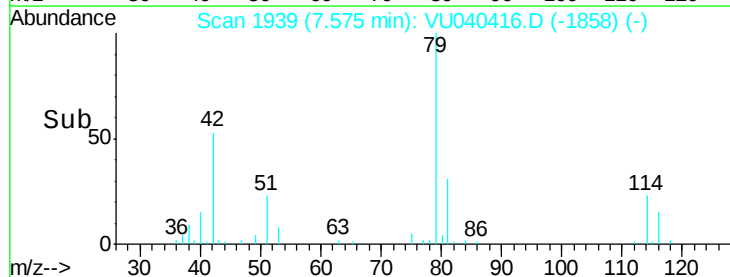
400

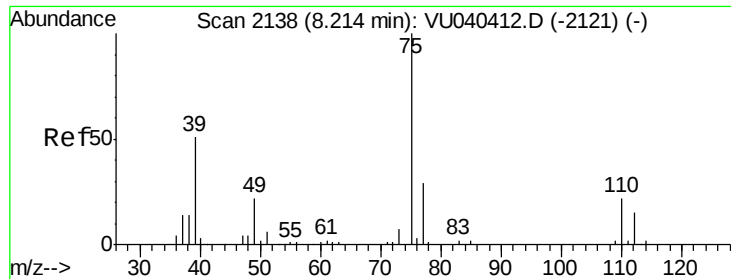
200

0

7.55 7.60

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.045 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

Instrument :

MSVOA_U

ClientSampled :

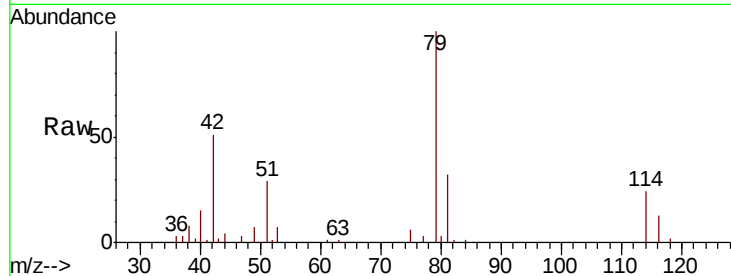
BG0F5DL

Tot Ion: 75 Resp: 767

Ion Ratio Lower Upper

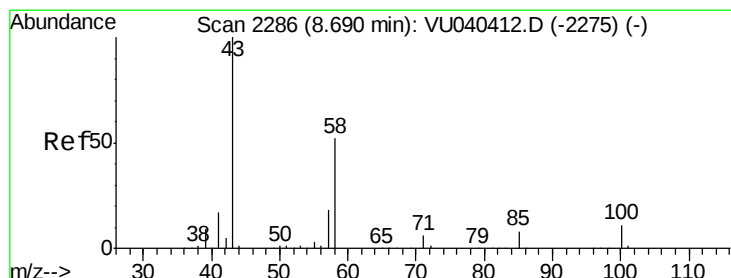
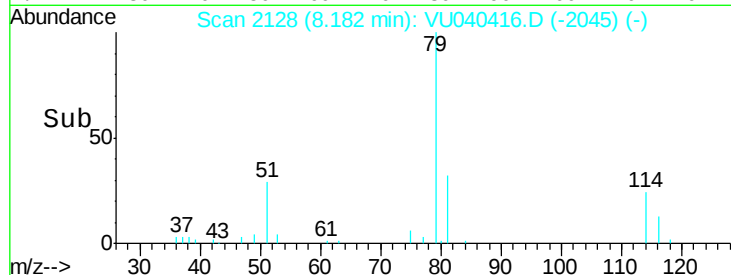
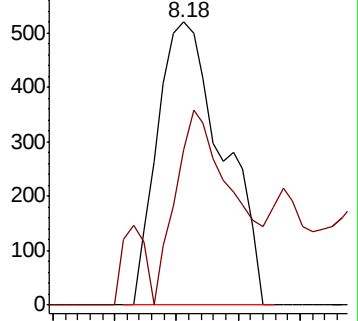
75 100

77 55.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.002 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

Tgt Ion: 43 Resp: 15757

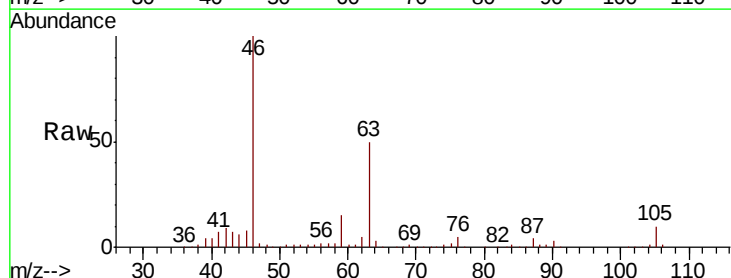
Ion Ratio Lower Upper

43 100

58 32.2 41.0 61.4#

57 28.9 14.6 22.0#

100 0.5 8.2 12.4#

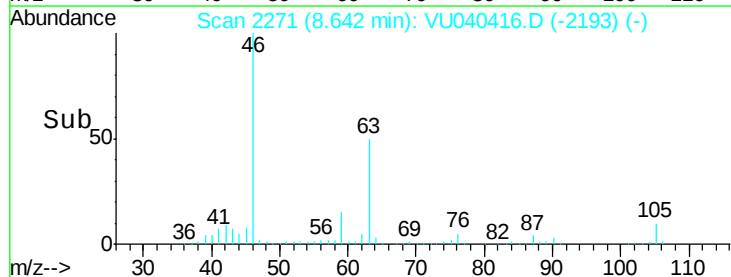
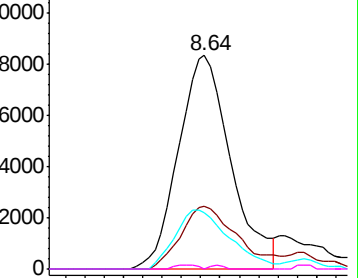


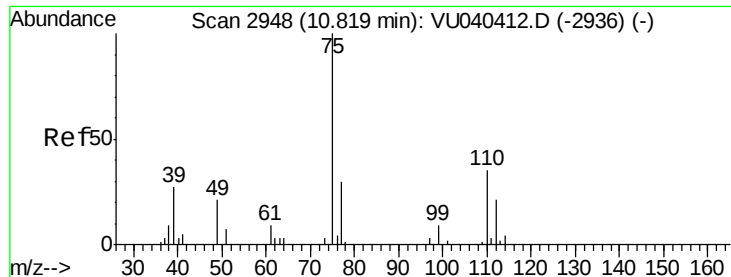
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.943 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040416.D

Acq: 01 Oct 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

BG0F5DL

Tot Ion: 75 Resp: 9322

Ion Ratio Lower Upper

75 100

77 34.6 25.7 38.5

