

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091720\
 Data File : VU040185.D
 Acq On : 17 Sep 2020 16:44
 Operator : SY/MD
 Sample : L4041-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AF0

Quant Time: Sep 18 04:03:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 18 04:01:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	97839	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	97733	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44193	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26587	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	24404	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.60%
11) 1,1-Dichloroethene-d2	2.58	63	44879	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.64	46	110529	51.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.46%
24) Chloroform-d	5.08	84	57612	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.72	65	39912	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	116235	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.70	67	38958	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.91	98	90530	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	15767	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	80362	49.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35726	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	39227	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

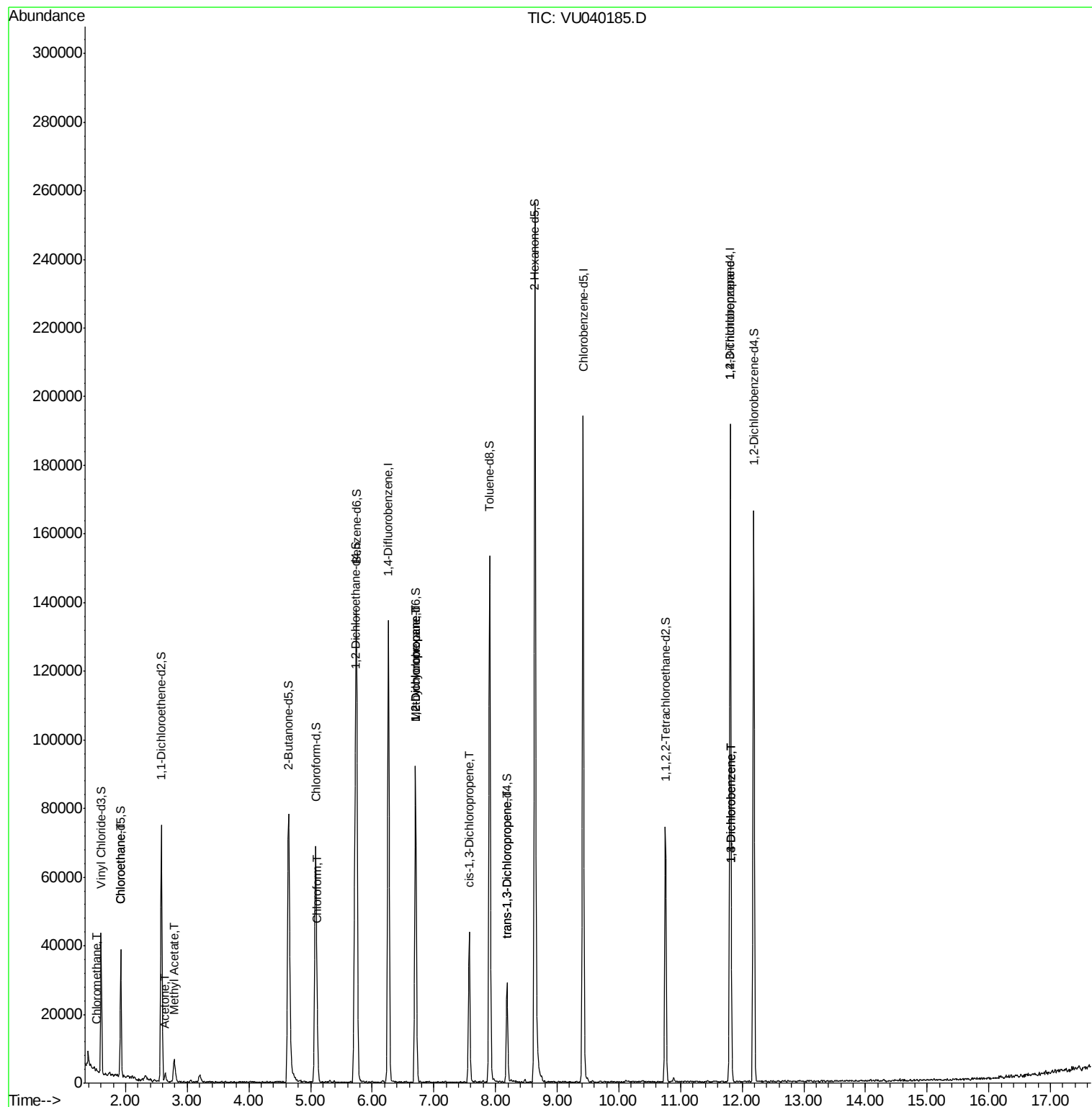
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	442	0.048	ug/L #	44
8) Chloroethane	1.93	64	282	0.050	ug/L #	42
13) Acetone	2.64	43	3013	1.523	ug/L	91
15) Methyl Acetate	2.79	43	2275	0.458	ug/L #	54
25) Chloroform	5.11	83	6702	0.390	ug/L	88
35) Methylcyclohexane	6.70	83	9195	0.640	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4970	0.525	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1504	0.108	ug/L	88
44) trans-1,3-Dichloropropene	8.19	75	735	0.057	ug/L #	75
59) 1,2,3-Trichloropropane	11.81	75	7257	1.035	ug/L	97
62) 1,3-Dichlorobenzene	11.83	146	1175	0.073	ug/L	93
63) 1,4-Dichlorobenzene	11.83	146	1175	0.072	ug/L	92

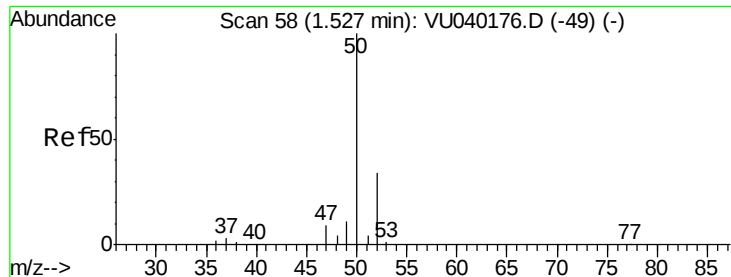
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 18 04:01:22 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.048 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040185.D

Acq: 17 Sep 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

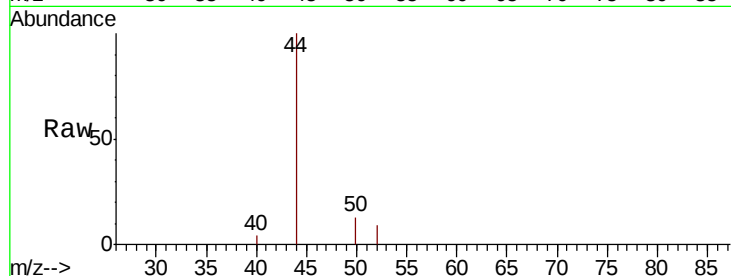
C0AF0

Tot Ion: 50 Resp: 442

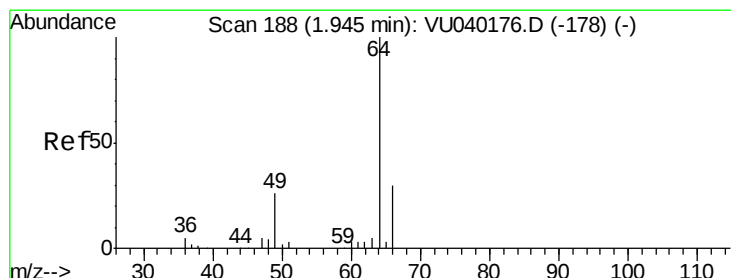
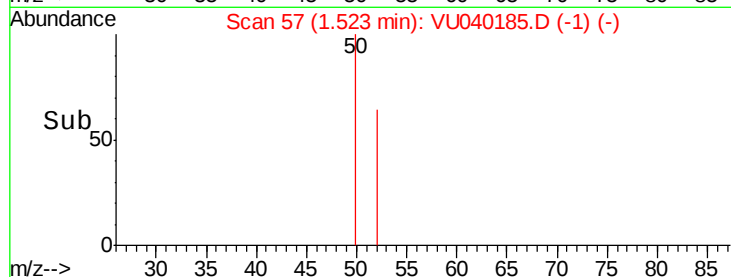
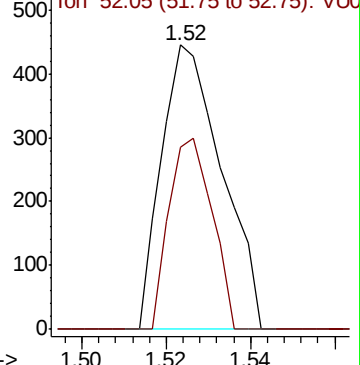
Ion Ratio Lower Upper

50 100

52 63.9 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VU040185.D (-1) (-)



#8

Chloroethane

Concen: 0.050 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.02 min

Lab File: VU040185.D

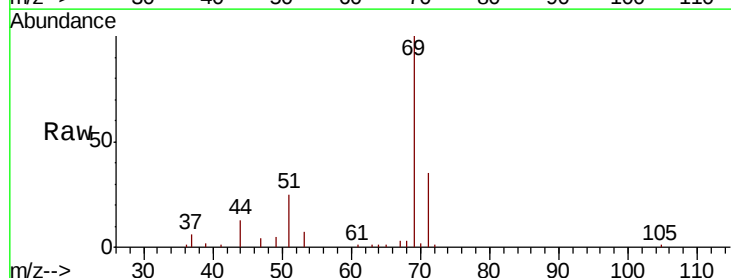
Acq: 17 Sep 2020 16:44

Tgt Ion: 64 Resp: 282

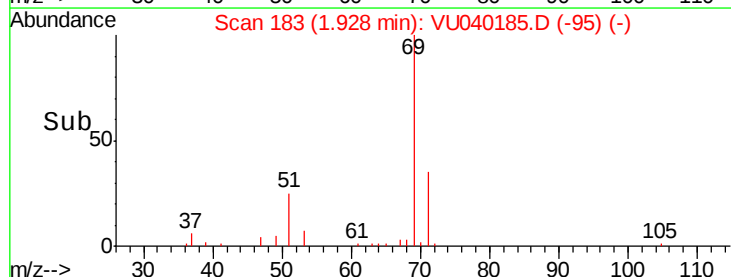
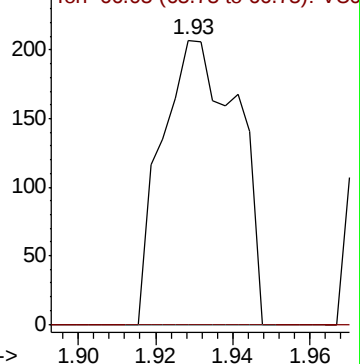
Ion Ratio Lower Upper

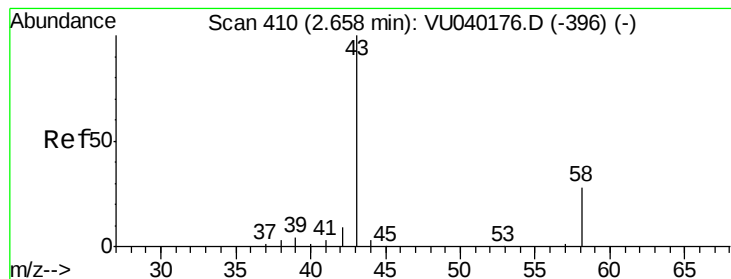
64 100

66 0.0 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU040185.D (-95) (-)





#13

Acetone

Concen: 1.523 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.02 min

Lab File: VU040185.D

Acq: 17 Sep 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

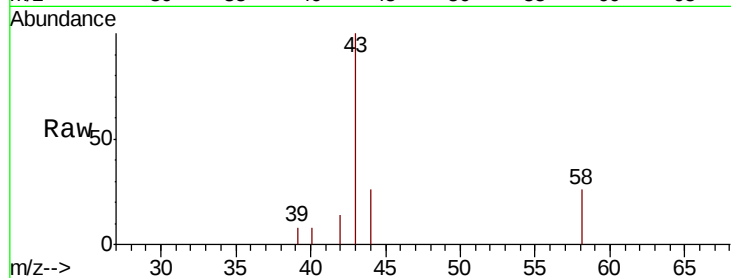
C0AF0

Tot Ion: 43 Resp: 3013

Ion Ratio Lower Upper

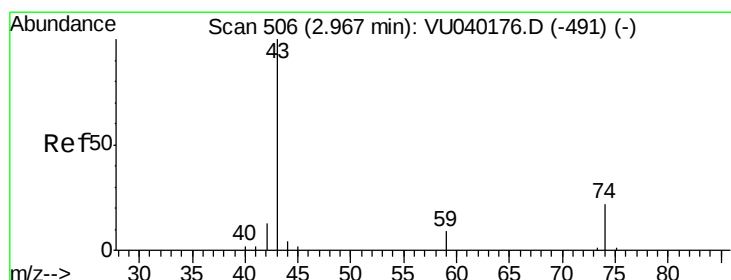
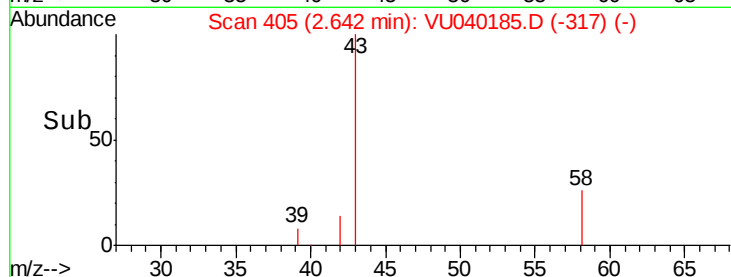
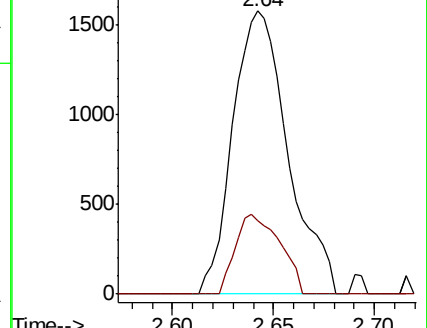
43 100

58 23.0 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040176.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040176.D (-396) (-)



#15

Methyl Acetate

Concen: 0.458 ug/L

RT: 2.79 min Scan# 452

Delta R.T. -0.17 min

Lab File: VU040185.D

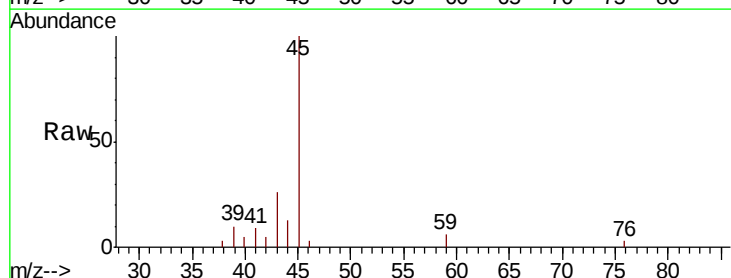
Acq: 17 Sep 2020 16:44

Tgt Ion: 43 Resp: 2275

Ion Ratio Lower Upper

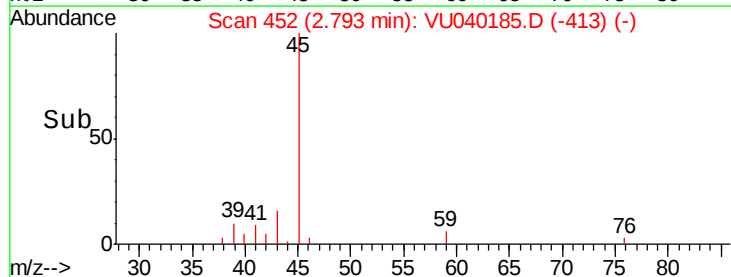
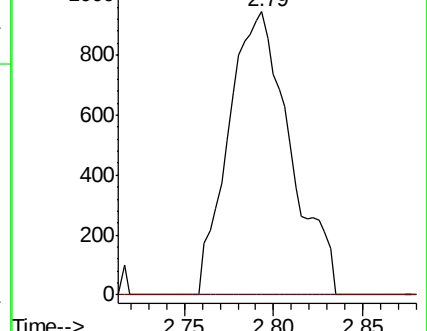
43 100

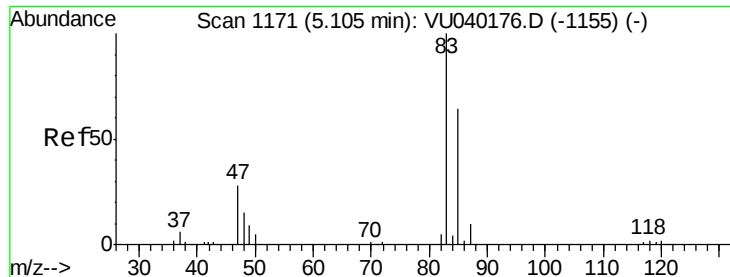
74 0.0 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040176.D (-491) (-)

Ion 74.05 (73.75 to 74.75): VU040176.D (-491) (-)

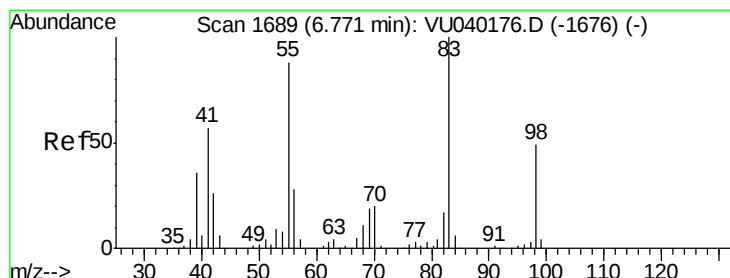
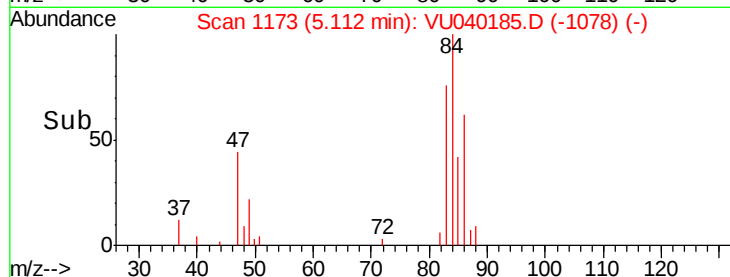
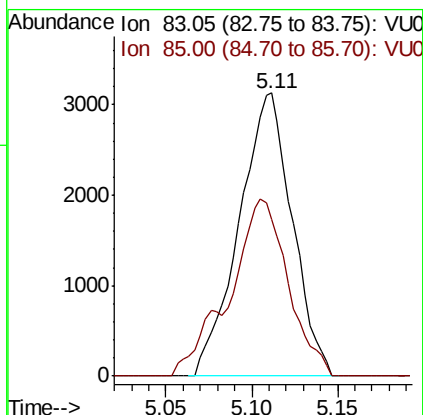
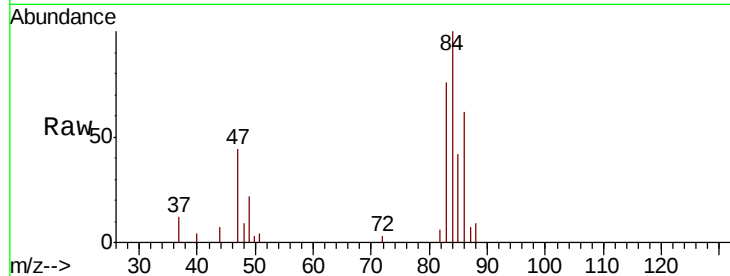




#25
Chloroform
Concen: 0.390 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040185.D
Acq: 17 Sep 2020 16:44

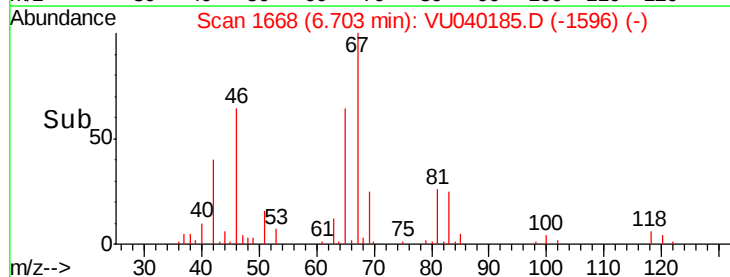
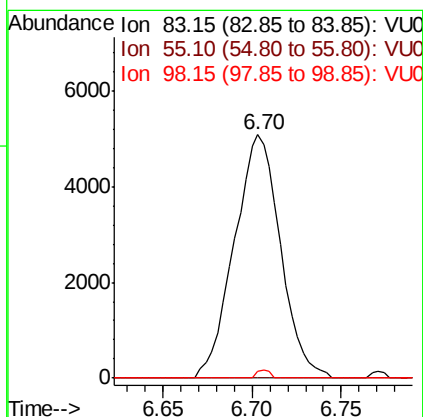
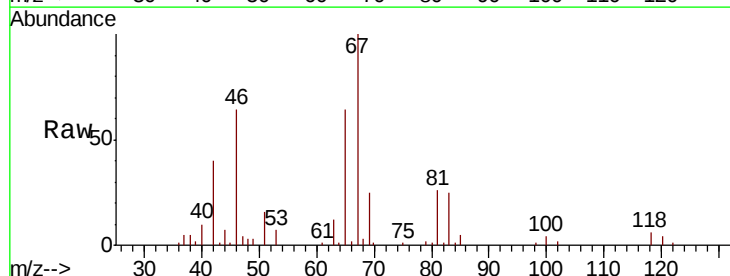
Instrument :
MSVOA_U
ClientSampleId :
C0AF0

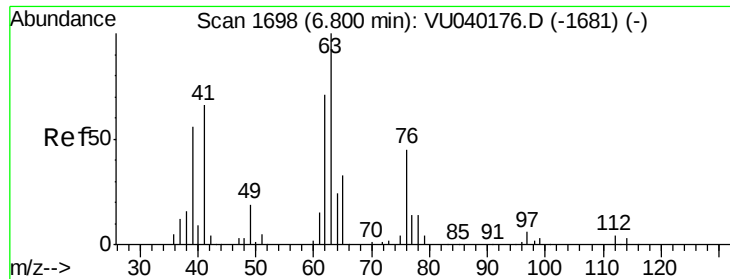
Tot Ion: 83 Resp: 6702
Ion Ratio Lower Upper
83 100
85 55.5 45.3 84.1



#35
Methylcyclohexane
Concen: 0.640 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040185.D
Acq: 17 Sep 2020 16:44

Tgt Ion: 83 Resp: 9195
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.9 37.8 56.6#

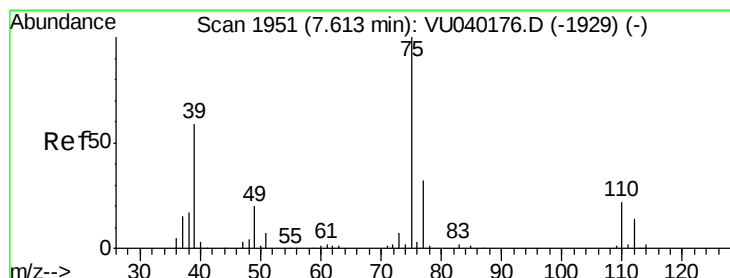
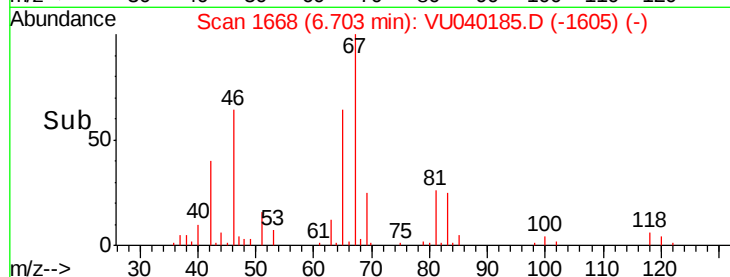
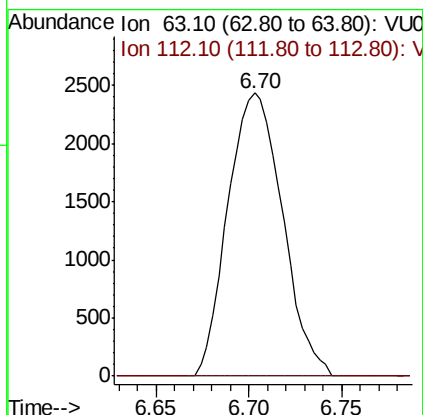
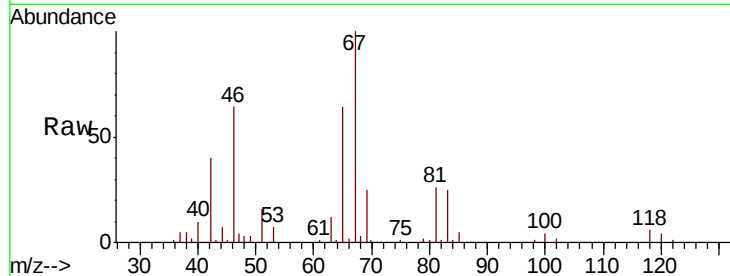




#37
 1,2-Dichloropropane
 Concen: 0.525 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040185.D
 Acq: 17 Sep 2020 16:44

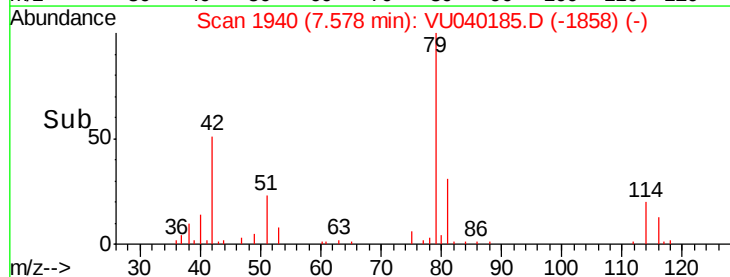
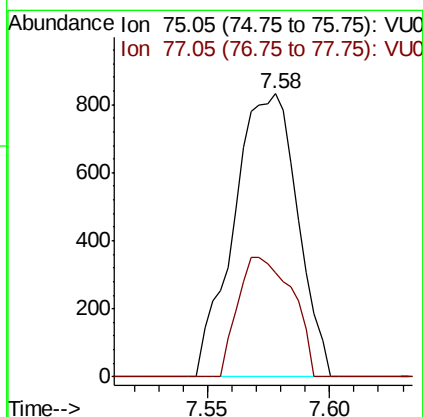
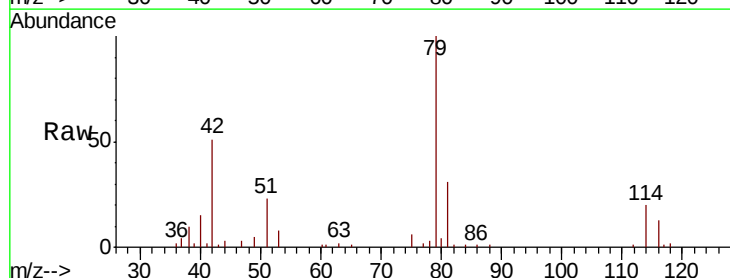
Instrument :
 MSVOA_U
 ClientSampled :
 C0AF0

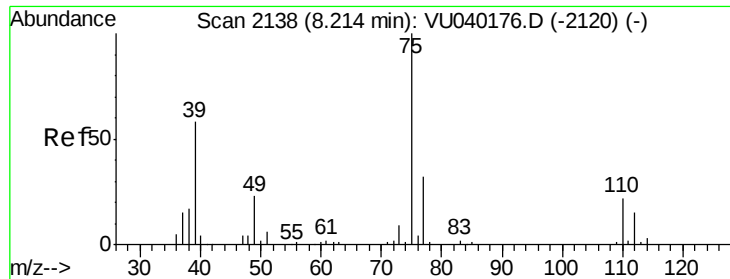
Tot Ion: 63 Resp: 4970
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040185.D
 Acq: 17 Sep 2020 16:44

Tgt Ion: 75 Resp: 1504
 Ion Ratio Lower Upper
 75 100
 77 36.9 21.1 39.3





#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040185.D

Acq: 17 Sep 2020 16:44

Instrument :

MSVOA_U

ClientSampled :

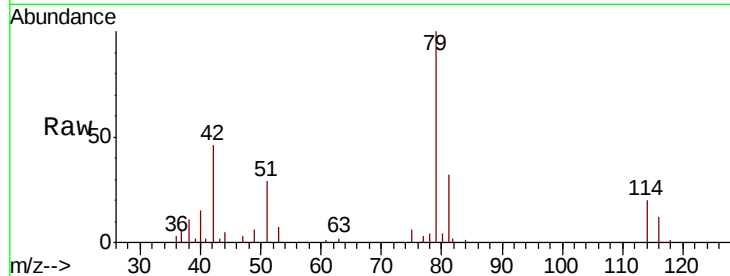
C0AF0

Tot Ion: 75 Resp: 735

Ion Ratio Lower Upper

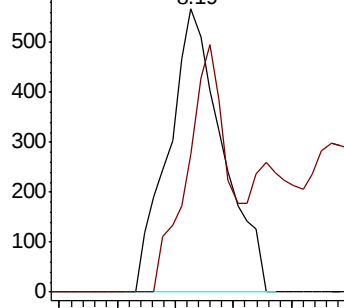
75 100

77 48.7 23.9 44.3#

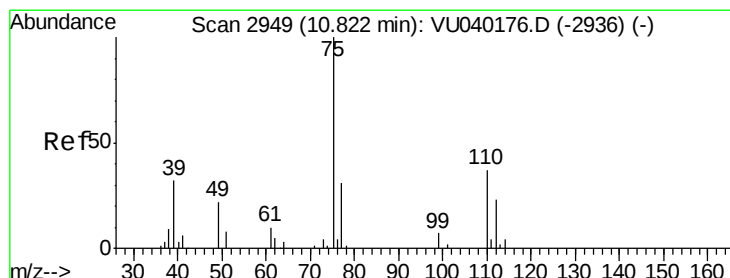
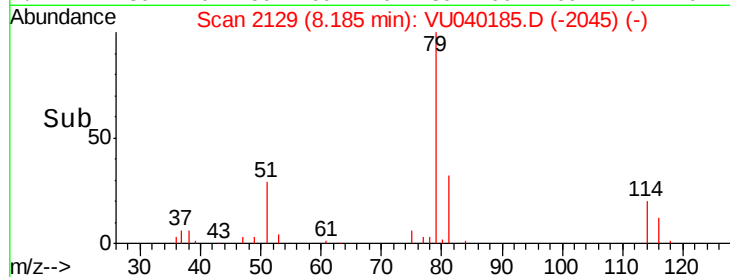


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time--> 8.14 8.16 8.18 8.20 8.22



#59

1,2,3-Trichloropropane

Concen: 1.035 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040185.D

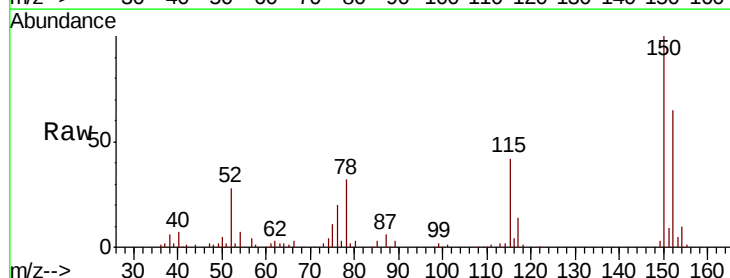
Acq: 17 Sep 2020 16:44

Tgt Ion: 75 Resp: 7257

Ion Ratio Lower Upper

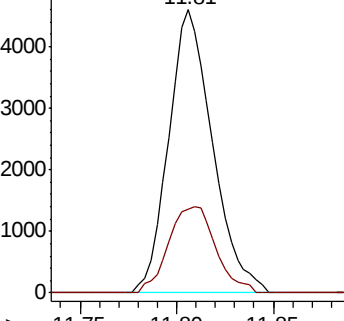
75 100

77 32.8 24.9 37.3

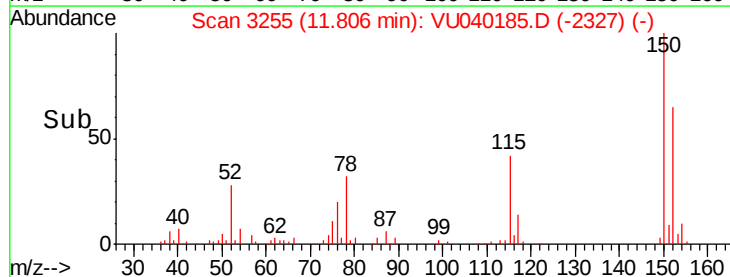


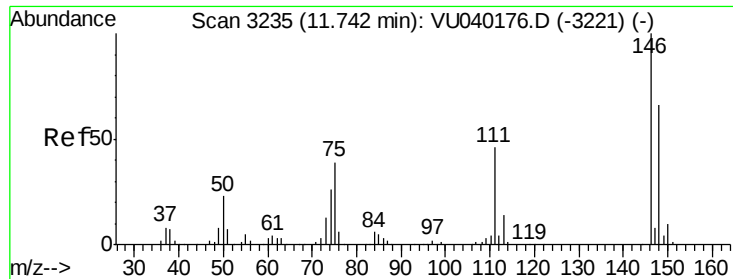
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time--> 11.75 11.80 11.85





#62

1,3-Dichlorobenzene

Concen: 0.073 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.09 min

Lab File: VU040185.D

Acq: 17 Sep 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

C0AF0

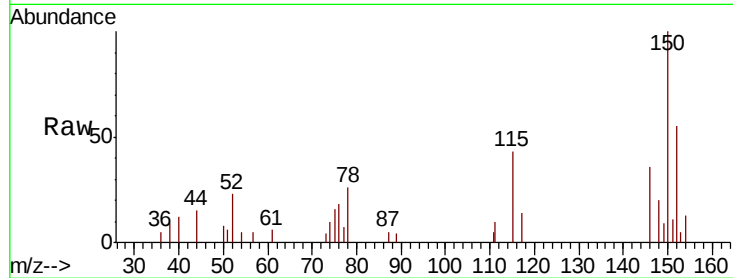
Tot Ion:146 Resp: 1175

Ion Ratio Lower Upper

146 100

111 44.0 31.6 58.8

148 55.2 44.2 82.0

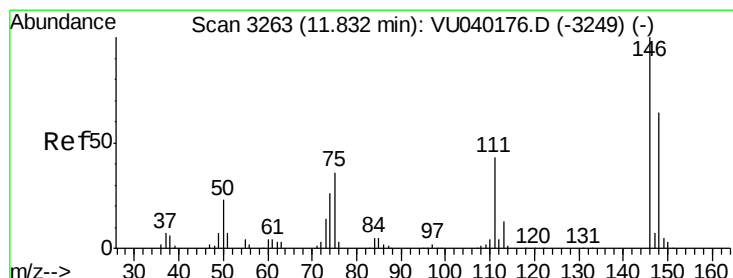
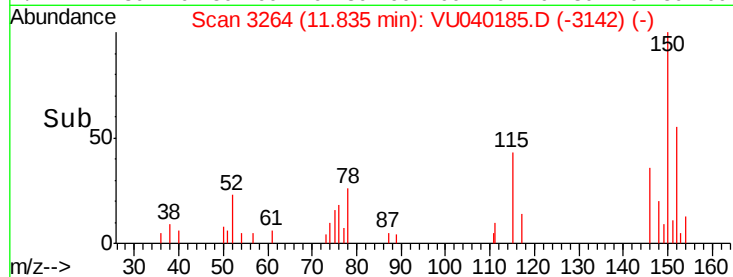
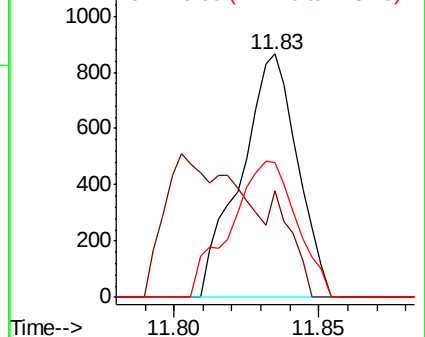


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.072 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU040185.D

Acq: 17 Sep 2020 16:44

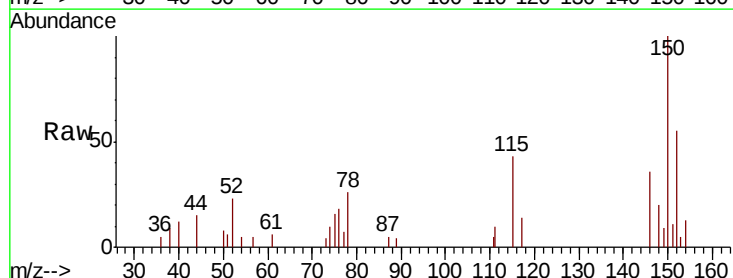
Tgt Ion:146 Resp: 1175

Ion Ratio Lower Upper

146 100

111 44.0 30.5 56.7

148 55.2 45.4 84.4



Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

