

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040404.D
 Acq On : 30 Sep 2020 17:36
 Operator : SY/MD
 Sample : VIBLK66
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK66

Quant Time: Oct 01 03:08:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 03:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129918	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130298	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57018	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26869	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.92	69	26862	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	44563	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	4.66	46	158554	49.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.26%
24) Chloroform-d	5.08	84	71197	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	44680	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.74	84	123671	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.70	67	46506	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.91	98	96753	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	16592	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.64	63	108748	47.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43333	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44597	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	992	0.079	ug/L #	30
8) Chloroethane	1.94	64	595	0.080	ug/L #	44
14) Carbon disulfide	2.81	76	1575	0.050	ug/L #	75
16) Methylene chloride	3.06	84	6666	0.536	ug/L	86
18) trans-1,2-Dichloroethene	3.38	96	1167	0.114	ug/L	72
22) cis-1,2-Dichloroethene	4.69	96	66702	5.893	ug/L	100
25) Chloroform	5.11	83	3079	0.144	ug/L	88
35) Methylcyclohexane	6.70	83	10852	0.638	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	5605	0.461	ug/L #	88
48) 2-Hexanone	8.69	43	4422	0.630	ug/L #	95
63) 1,4-Dichlorobenzene	11.83	146	1095	0.056	ug/L #	89
65) 1,2-Dichlorobenzene	12.21	146	1233	0.067	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.21	180	963	0.071	ug/L #	85
68) 1,2,4-trichlorobenzene	13.83	180	1587	0.147	ug/L #	85
69) Naphthalene	14.08	128	3369	0.182	ug/L #	92
70) 1,2,3-Trichlorobenzene	14.32	180	1554	0.157	ug/L	97

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QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration

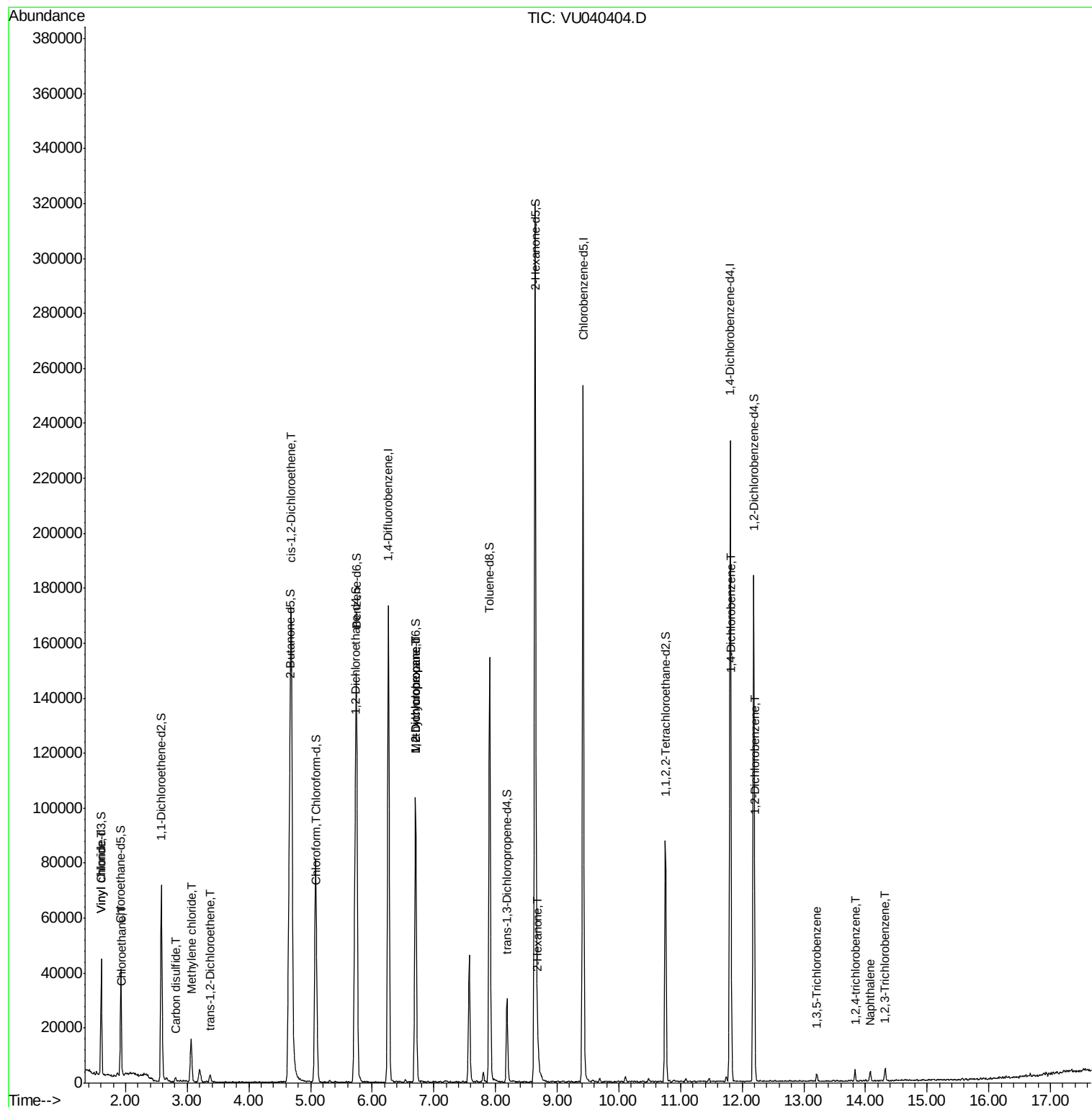
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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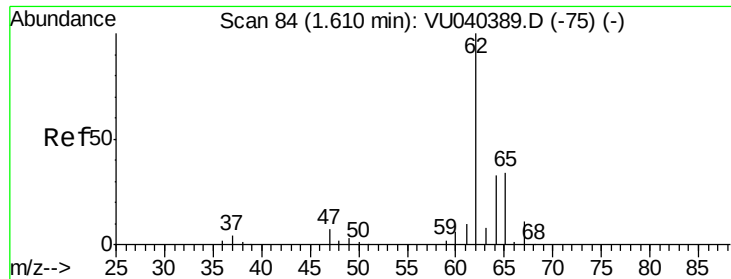
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.079 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040404.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_U

ClientSampleId :

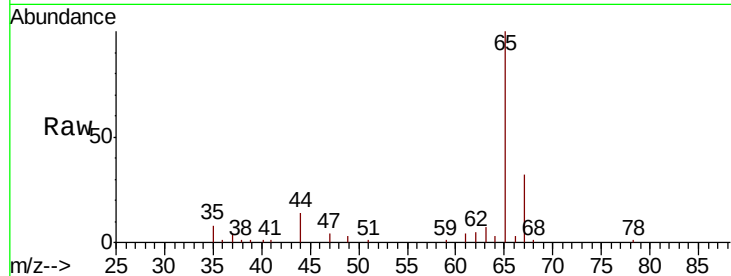
VIBLK66

Tot Ion: 62 Resp: 992

Ion Ratio Lower Upper

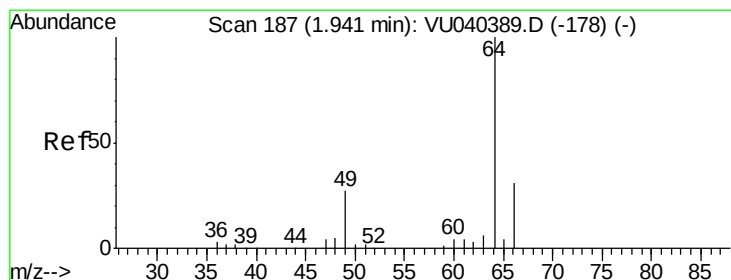
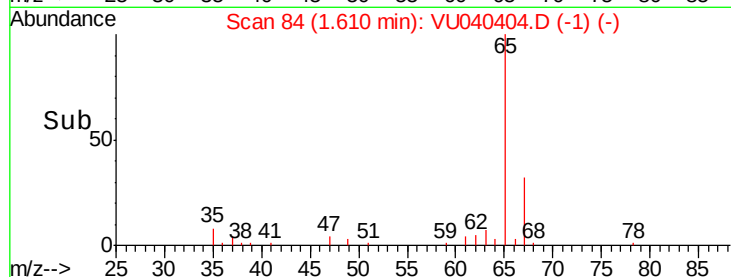
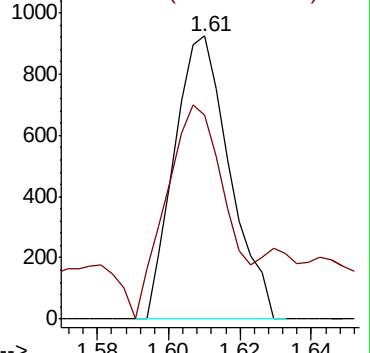
62 100

64 72.2 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: 0.080 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040404.D

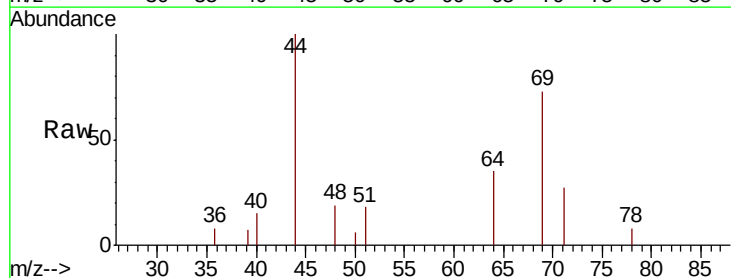
Acq: 30 Sep 2020 17:36

Tgt Ion: 64 Resp: 595

Ion Ratio Lower Upper

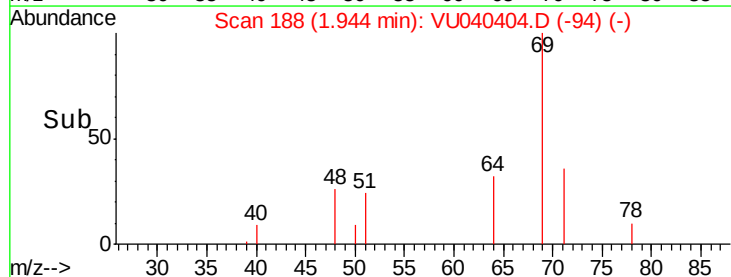
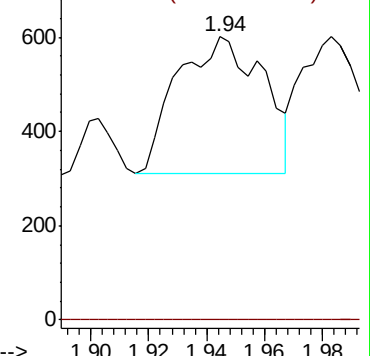
64 100

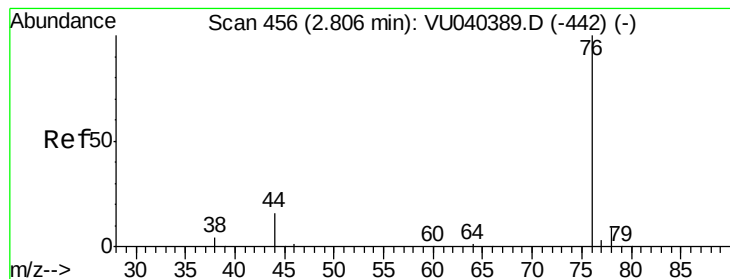
66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#14

Carbon disulfide

Concen: 0.050 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040404.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_U

ClientSampleId :

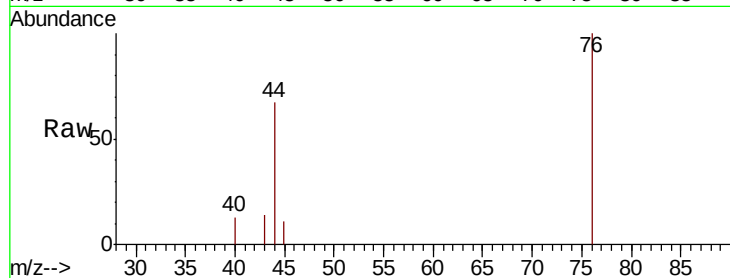
VIBLK66

Tot Ion: 76 Resp: 1575

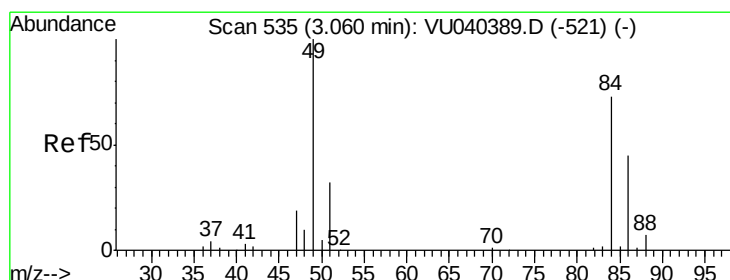
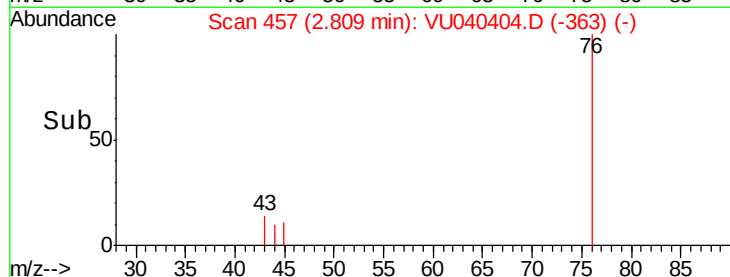
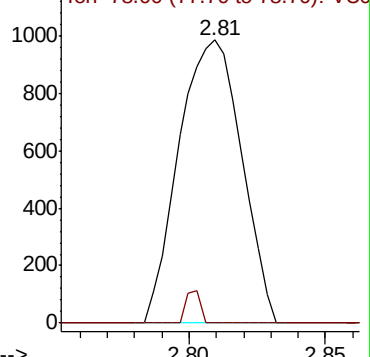
Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040404.D (-442) (-)



#16

Methylene chloride

Concen: 0.536 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040404.D

Acq: 30 Sep 2020 17:36

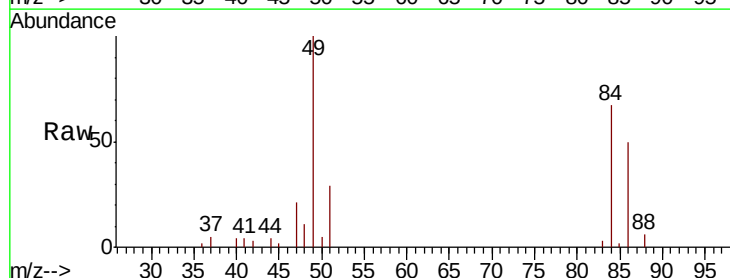
Tgt Ion: 84 Resp: 6666

Ion Ratio Lower Upper

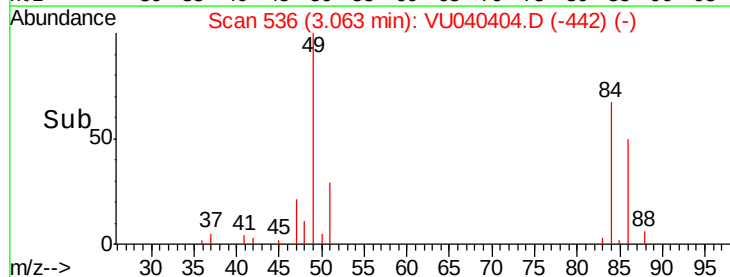
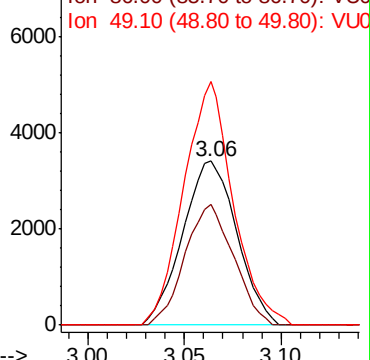
84 100

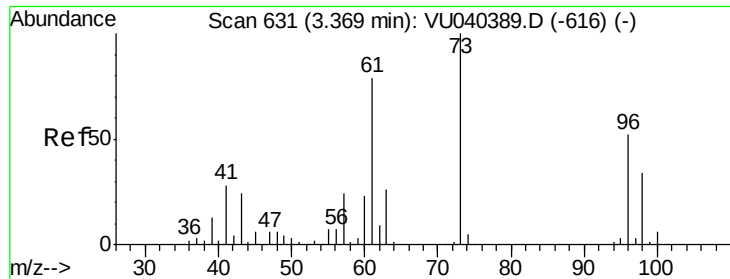
86 74.0 44.4 82.5

49 148.8 92.2 171.2



Abundance Ion 84.05 (83.75 to 84.75): VU040404.D (-442) (-)

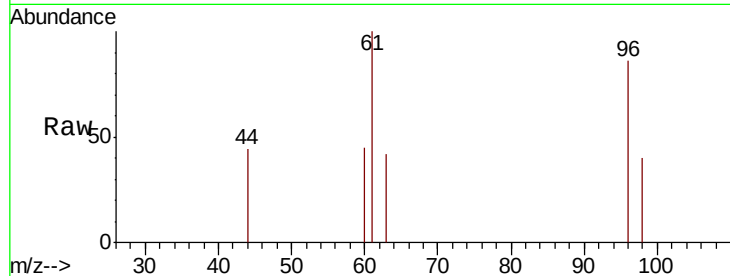




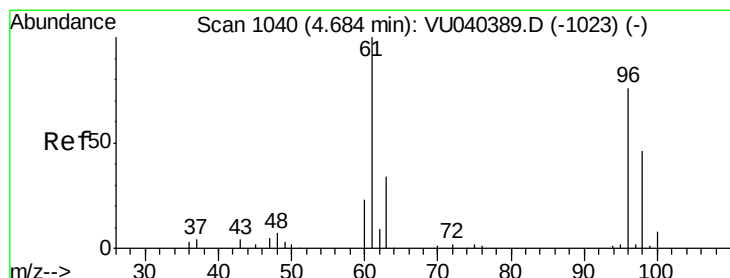
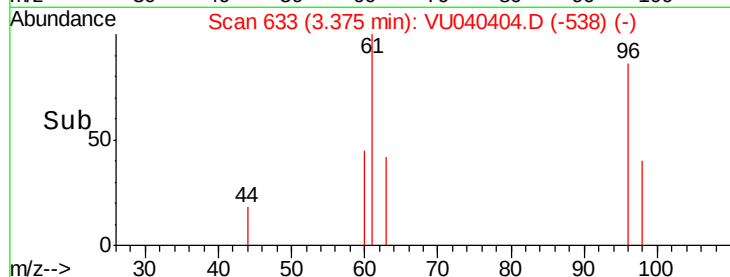
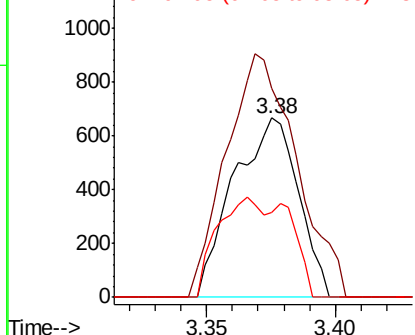
#18
 trans-1,2-Dichloroethene
 Concen: 0.114 ug/L
 RT: 3.38 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK66

Tot Ion: 96 Resp: 1167
 Ion Ratio Lower Upper
 96 100
 61 116.8 109.3 203.1
 98 47.1 45.8 85.0

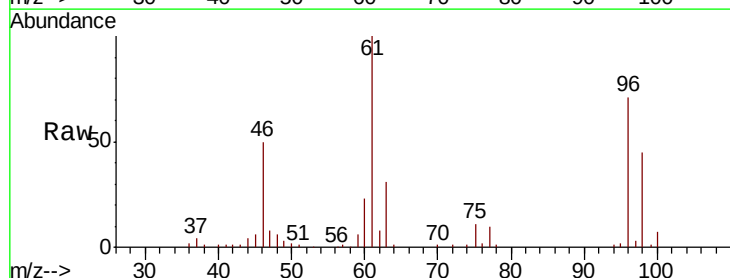


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

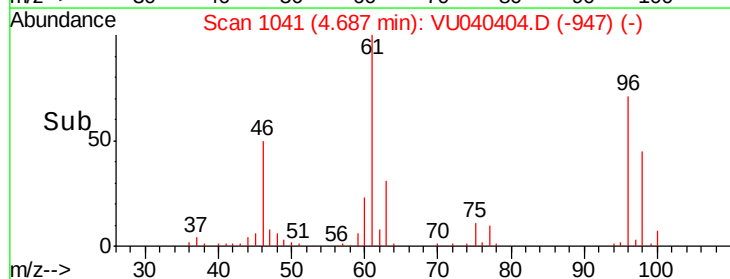
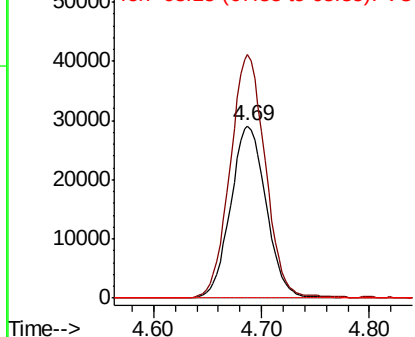


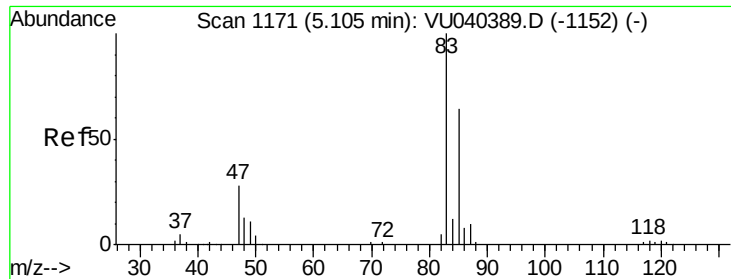
#22
 cis-1,2-Dichloroethene
 Concen: 5.893 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

Tgt Ion: 96 Resp: 66702
 Ion Ratio Lower Upper
 96 100
 61 141.3 99.3 184.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0





#25

Chloroform

Concen: 0.144 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040404.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_U

ClientSampleId :

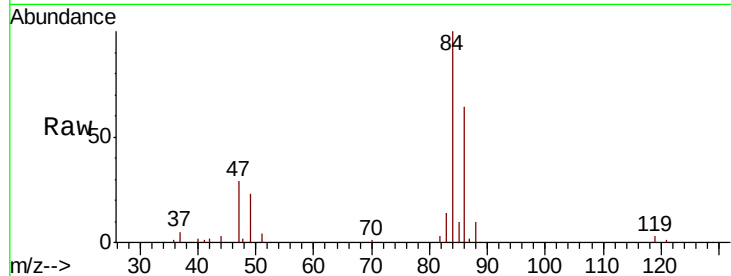
VIBLK66

Tot Ion: 83 Resp: 3079

Ion Ratio Lower Upper

83 100

85 73.3 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040389.D (-1152) (-)

Ion 85.00 (84.70 to 85.70): VU040389.D (-1152) (-)

5.11

1500

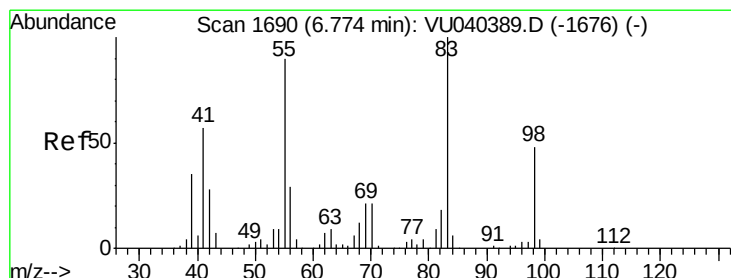
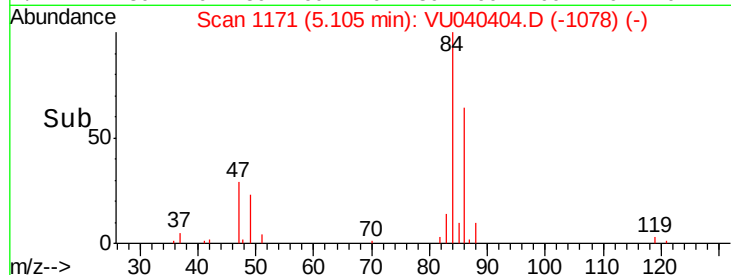
1000

500

0

5.05 5.10 5.15

Time-->



#35

Methylcyclohexane

Concen: 0.638 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040404.D

Acq: 30 Sep 2020 17:36

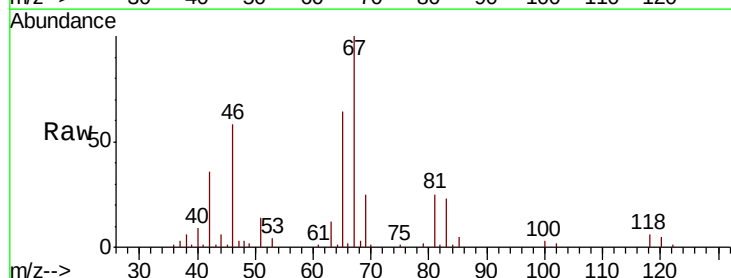
Tgt Ion: 83 Resp: 10852

Ion Ratio Lower Upper

83 100

55 0.7 71.4 107.2#

98 0.2 38.5 57.7#



Abundance Ion 83.15 (82.85 to 83.85): VU040389.D (-1676) (-)

Ion 55.10 (54.80 to 55.80): VU040389.D (-1676) (-)

Ion 98.15 (97.85 to 98.85): VU040389.D (-1676) (-)

6.70

6000

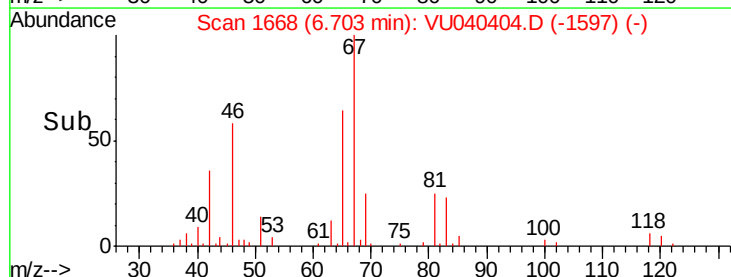
4000

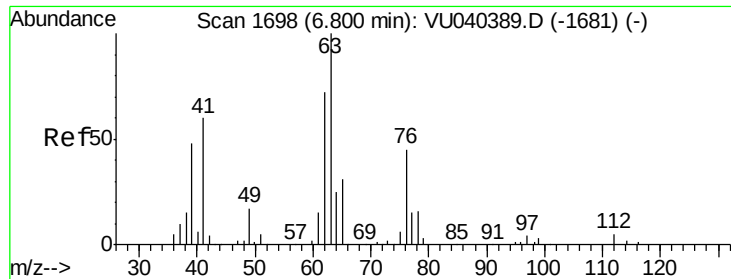
2000

0

6.65 6.70 6.75

Time-->

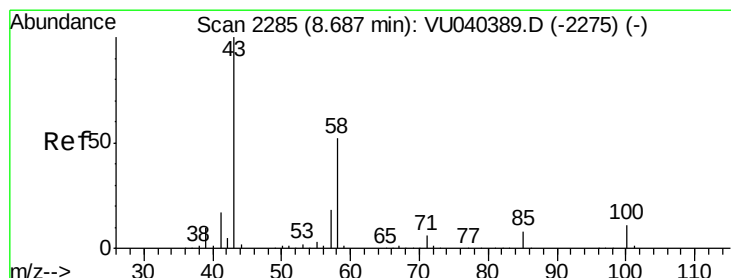
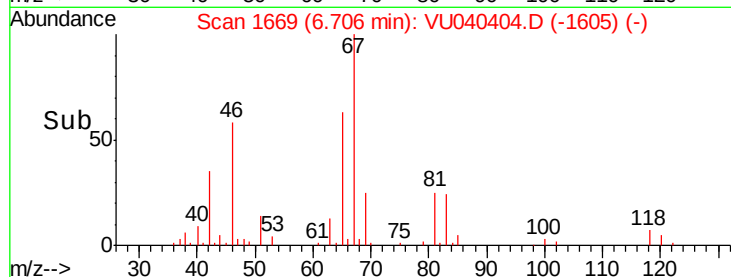
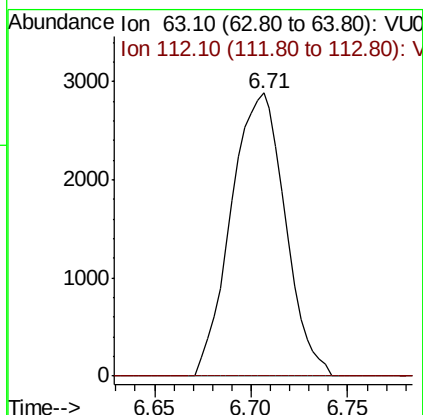
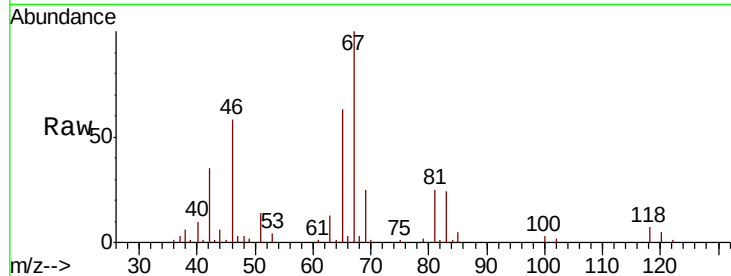




#37
 1,2-Dichloropropane
 Concen: 0.461 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

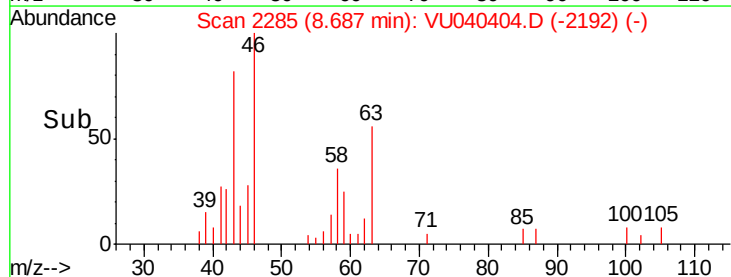
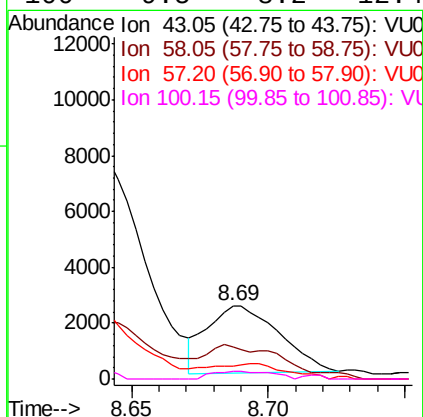
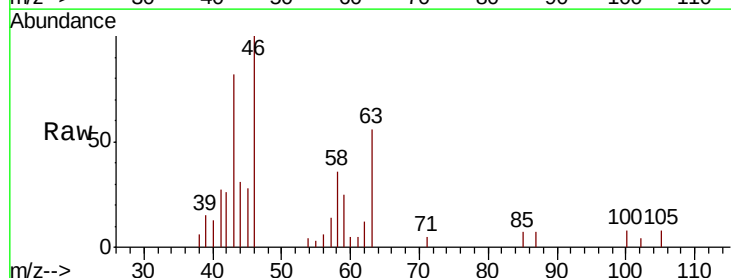
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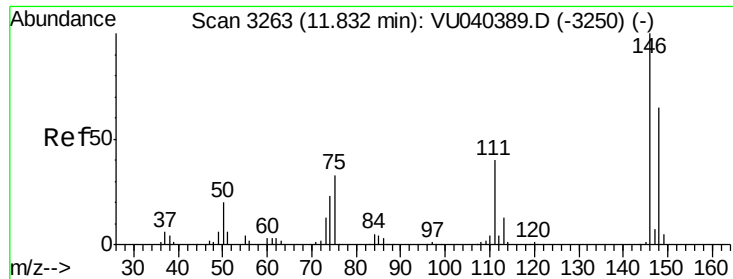
Tot Ion: 63 Resp: 5605
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#48
 2-Hexanone
 Concen: 0.630 ug/L
 RT: 8.69 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

Tgt Ion: 43 Resp: 4422
 Ion Ratio Lower Upper
 43 100
 58 52.6 41.0 61.4
 57 24.1 14.6 22.0#
 100 9.5 8.2 12.4

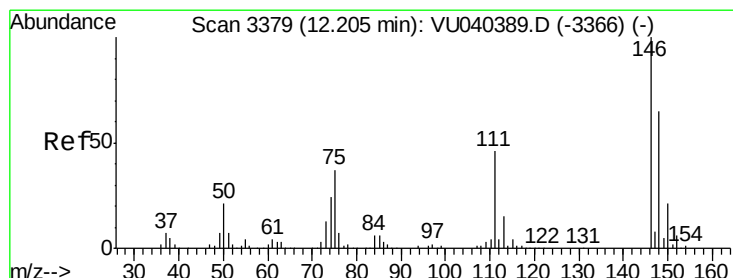
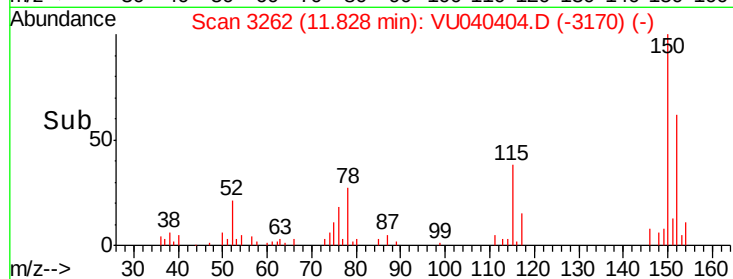
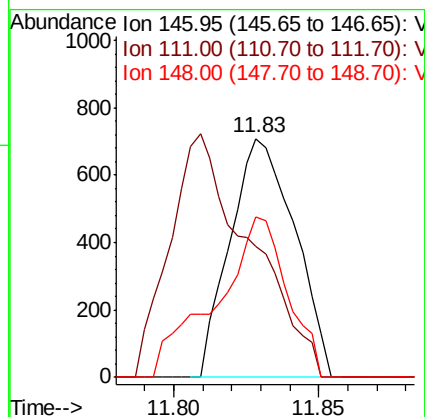
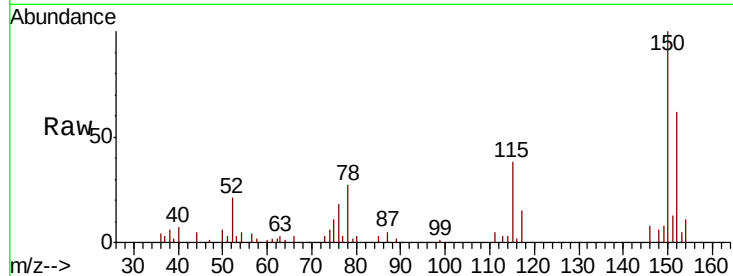




#63
 1,4-Dichlorobenzene
 Concen: 0.056 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

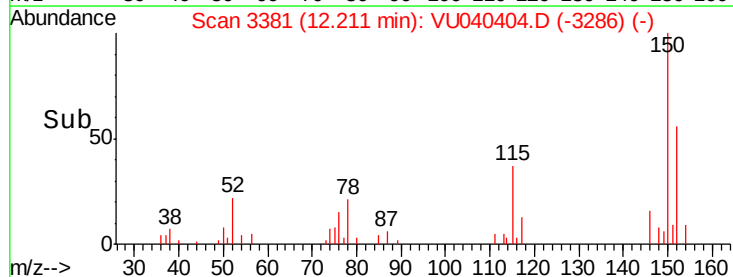
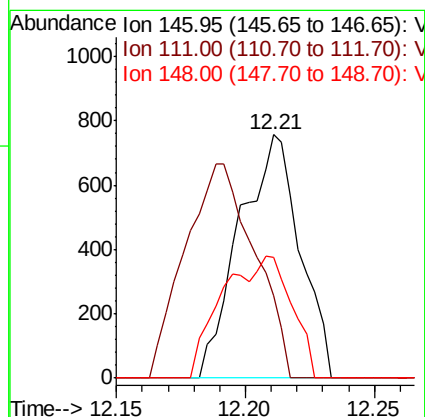
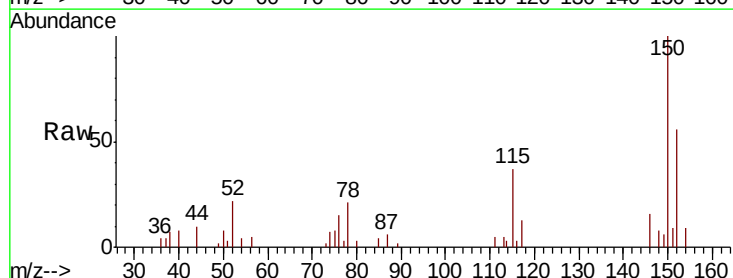
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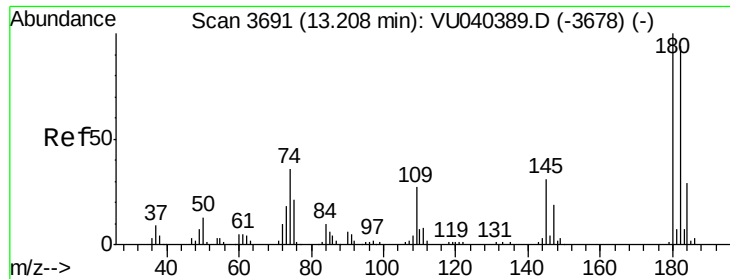
Tot Ion	Ratio	Lower	Upper
146	100		
111	54.8	29.2	54.2#
148	67.4	44.4	82.4



#65
 1,2-Dichlorobenzene
 Concen: 0.067 ug/L
 RT: 12.21 min Scan# 3381
 Delta R.T. 0.01 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.8	35.6	53.4#
148	49.7	49.8	74.6#

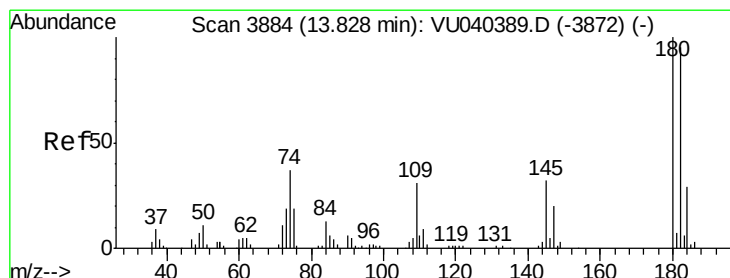
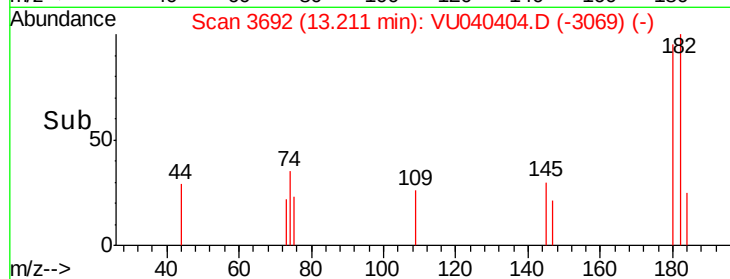
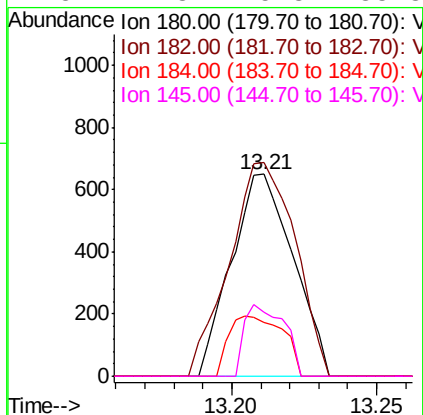
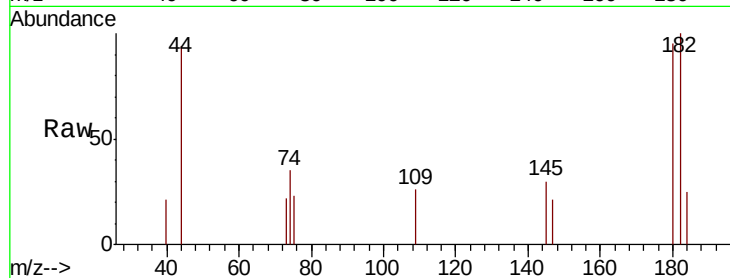




#67
 1,3,5-Trichlorobenzene
 Concen: 0.071 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

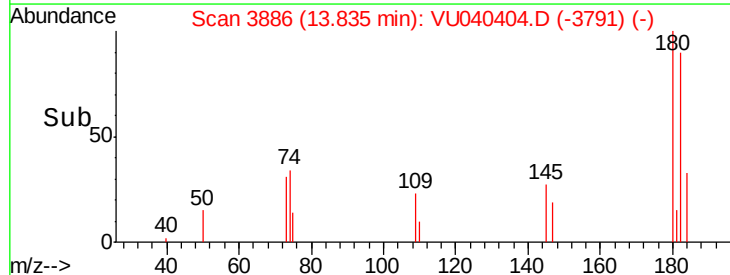
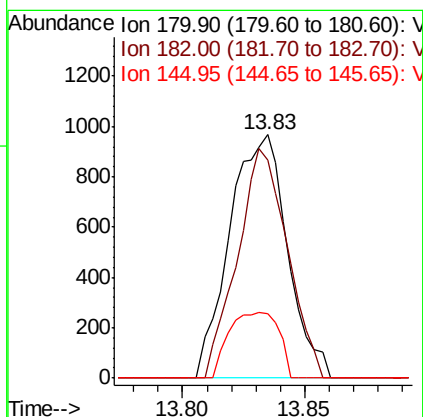
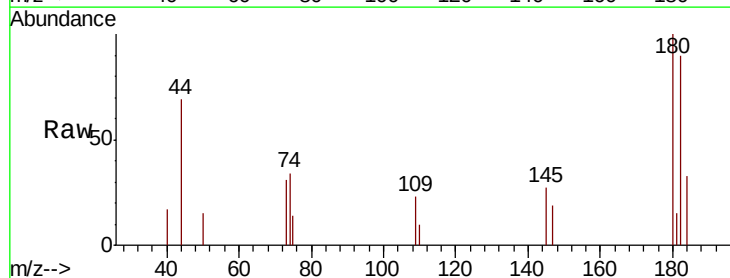
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK66

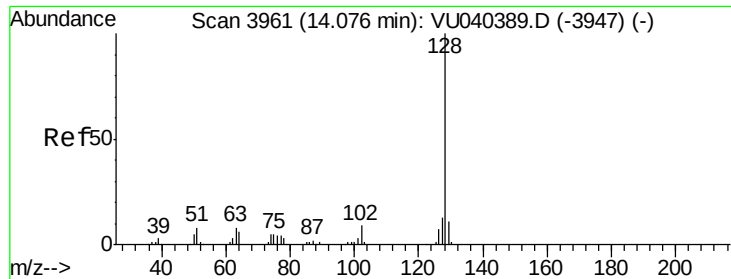
Tot Ion:180 Resp: 963
 Ion Ratio Lower Upper
 180 100
 182 112.3 76.5 114.7
 184 25.9 24.6 37.0
 145 22.8 25.8 38.8#



#68
 1,2,4-trichlorobenzene
 Concen: 0.147 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.01 min
 Lab File: VU040404.D
 Acq: 30 Sep 2020 17:36

Tgt Ion:180 Resp: 1587
 Ion Ratio Lower Upper
 180 100
 182 81.6 76.6 115.0
 145 23.3 26.3 39.5#





#69

Naphthalene

Concen: 0.182 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040404.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_U

ClientSampled :

VIBLK66

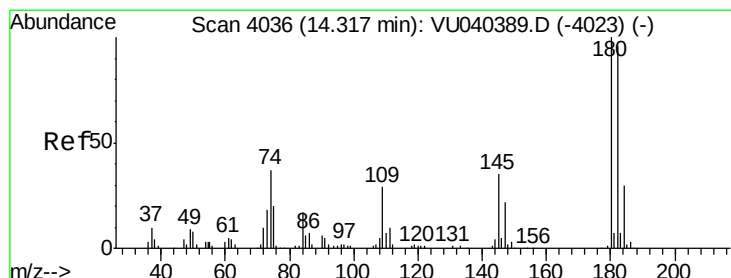
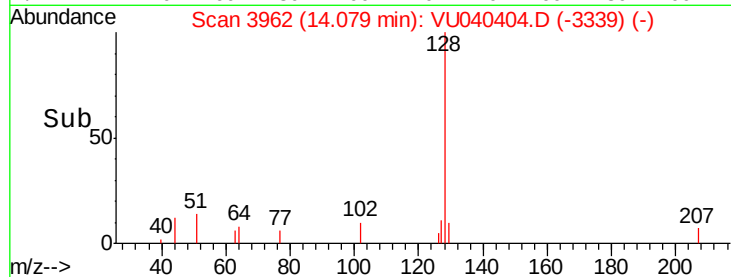
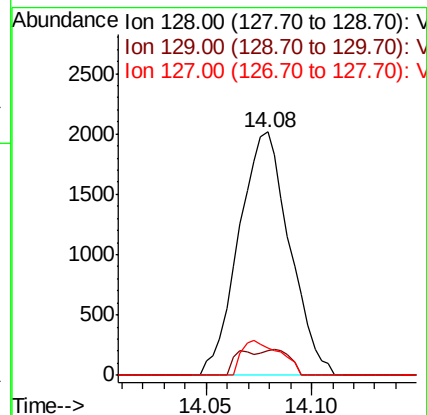
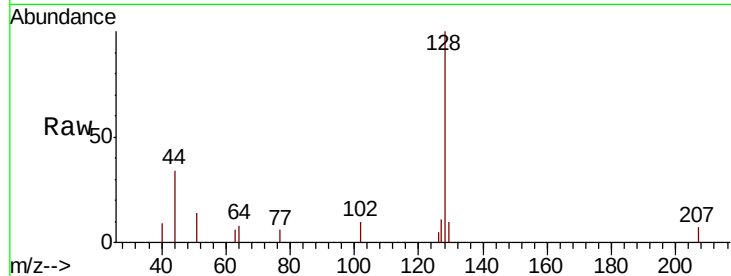
Tot Ion:128 Resp: 3369

Ion Ratio Lower Upper

128 100

129 6.2 8.2 12.4#

127 10.8 10.2 15.4



#70

1,2,3-Trichlorobenzene

Concen: 0.157 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040404.D

Acq: 30 Sep 2020 17:36

Tgt Ion:180 Resp: 1554

Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

145 40.5 27.8 41.6

