

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035124.D
 Acq On : 12 Oct 2019 06:06
 Operator : JC/SP
 Sample : K5309-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:19:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 01:16:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	168095	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	175590	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	70780	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52297	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.67	69	48515	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.26	63	76493	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.17	46	157786	53.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.84%
24) Chloroform-d	4.63	84	96036	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.29	65	58632	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.32	84	192033	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.31	67	68152	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.55	98	165980	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.84	79	19903	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.30	63	111608	47.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.74%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57700	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	59892	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

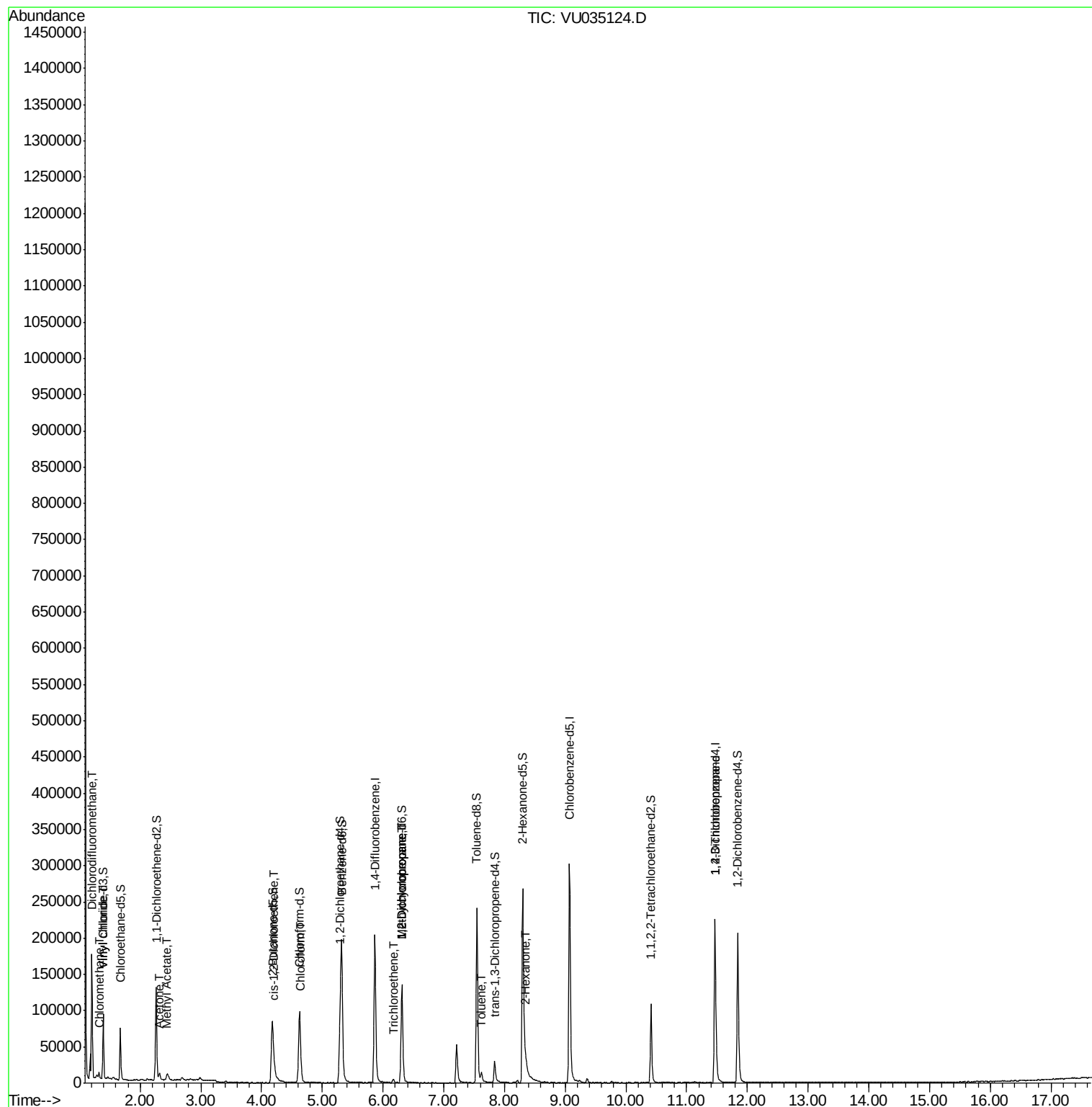
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	2245	0.146	ug/L	100
3) Chloromethane	1.32	50	5333	0.316	ug/L	96
5) Vinyl chloride	1.40	62	2160	0.130	ug/L #	37
13) Acetone	2.32	43	11035	4.605	ug/L	97
15) Methyl Acetate	2.45	43	3469	0.544	ug/L #	53
22) cis-1,2-Dichloroethene	4.21	96	1917	0.149	ug/L	99
25) Chloroform	4.65	83	6580	0.255	ug/L	96
34) Trichloroethene	6.17	95	1923	0.141	ug/L	93
35) Methylcyclohexane	6.31	83	15460	0.700	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7587	0.532	ug/L #	89
42) Toluene	7.62	91	9944	0.180	ug/L	99
48) 2-Hexanone	8.35	43	6253	1.016	ug/L #	81
59) 1,2,3-Trichloropropane	11.47	75	9708	1.051	ug/L	98

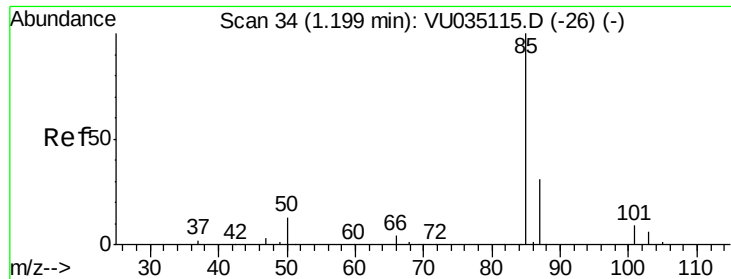
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.146 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035124.D

Acq: 12 Oct 2019 06:06

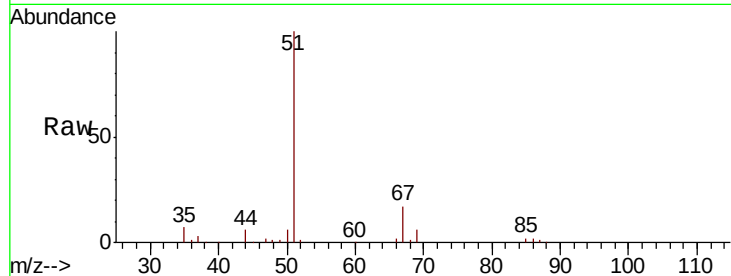
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2245

Ion Ratio Lower Upper

85 100

87 33.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035115.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035115.D (-26) (-)

1.21

2000

1500

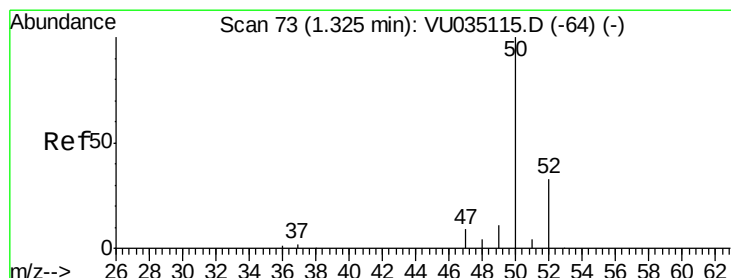
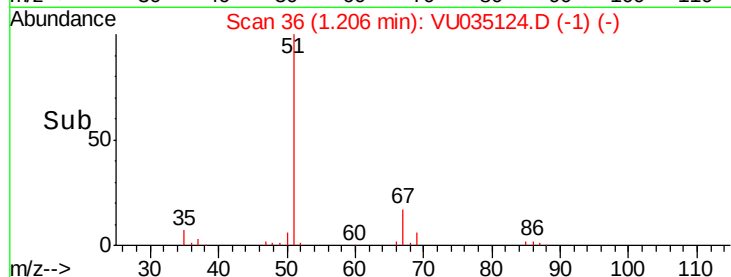
1000

500

0

1.18 1.20 1.22 1.24

Time-->



#3

Chloromethane

Concen: 0.316 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035124.D

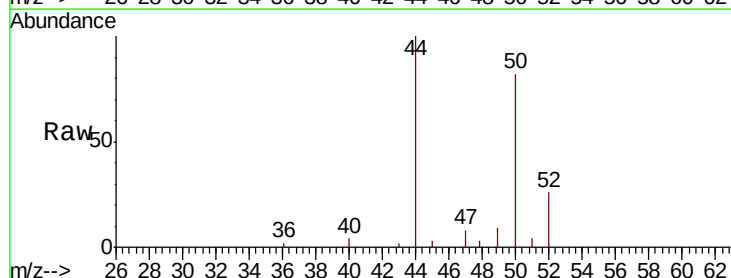
Acq: 12 Oct 2019 06:06

Tgt Ion: 50 Resp: 5333

Ion Ratio Lower Upper

50 100

52 31.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035115.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035115.D (-64) (-)

1.32

6000

5000

4000

3000

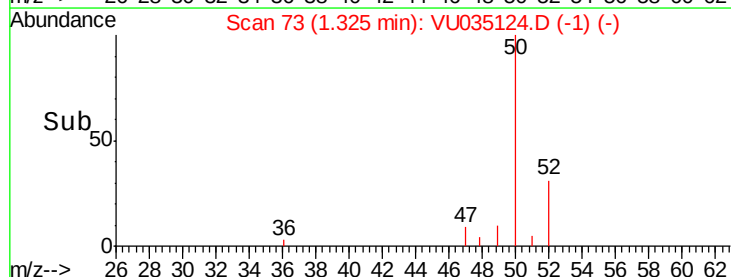
2000

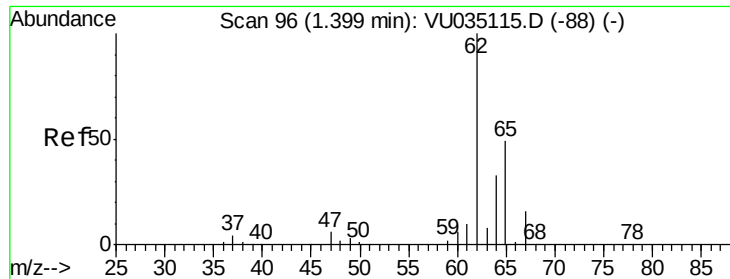
1000

0

1.28 1.30 1.32 1.34 1.36

Time-->





#5

Vinyl chloride

Concen: 0.130 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035124.D

Acq: 12 Oct 2019 06:06

Instrument :

MSVOA_U

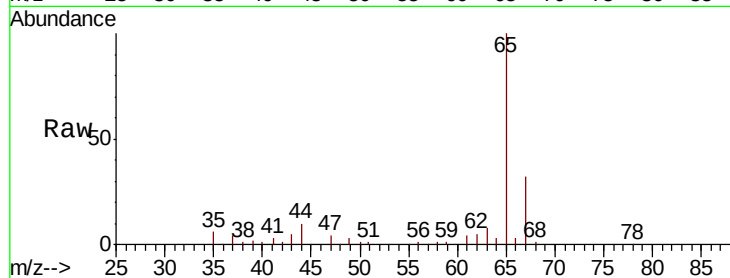
ClientSampled :

Tot Ion: 62 Resp: 2160

Ion Ratio Lower Upper

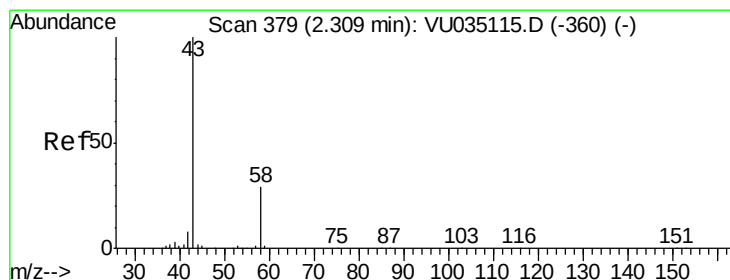
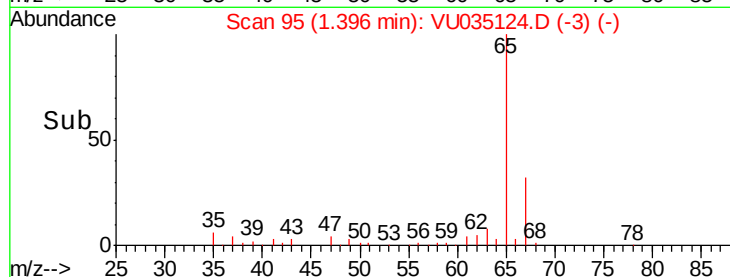
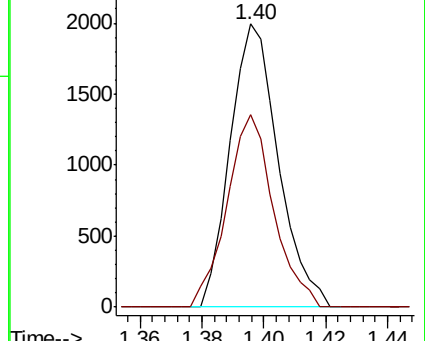
62 100

64 68.0 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#13

Acetone

Concen: 4.605 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU035124.D

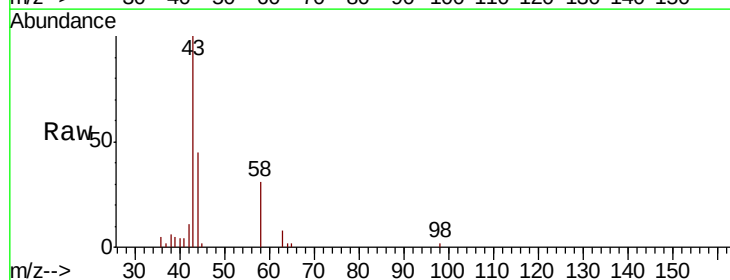
Acq: 12 Oct 2019 06:06

Tgt Ion: 43 Resp: 11035

Ion Ratio Lower Upper

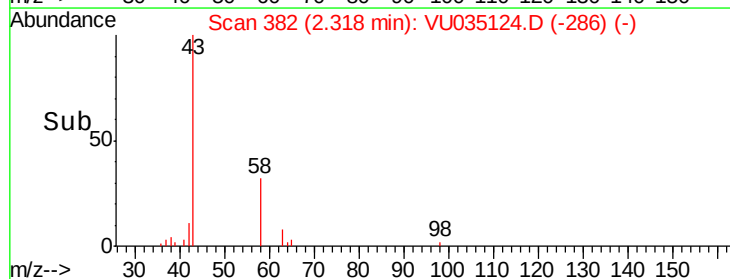
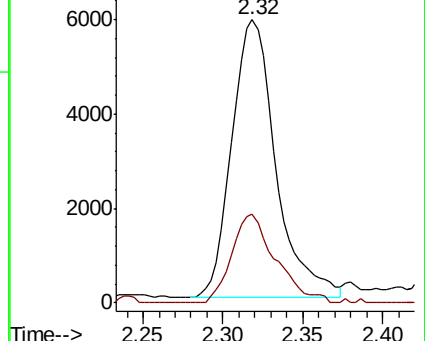
43 100

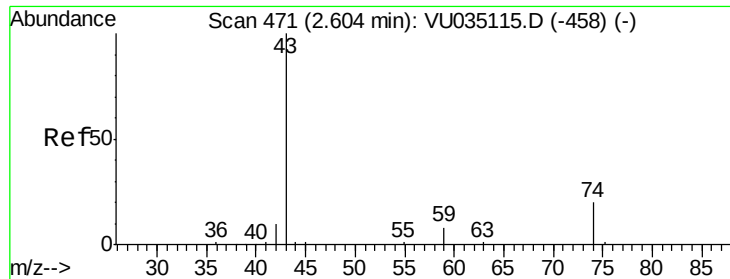
58 31.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

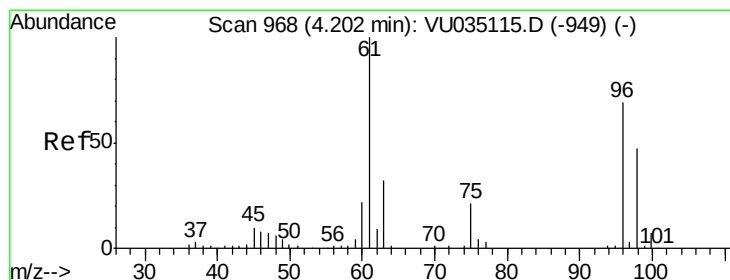
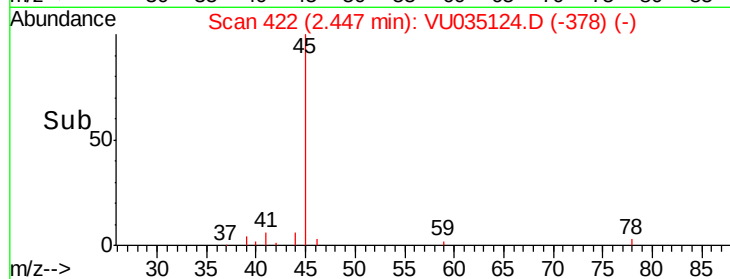
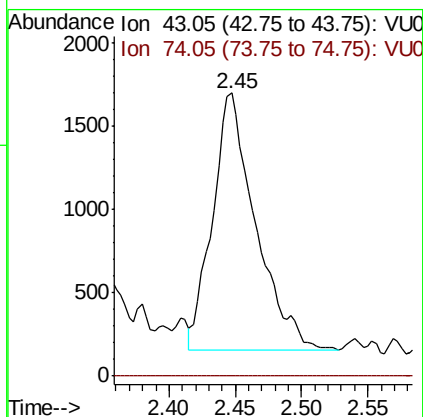
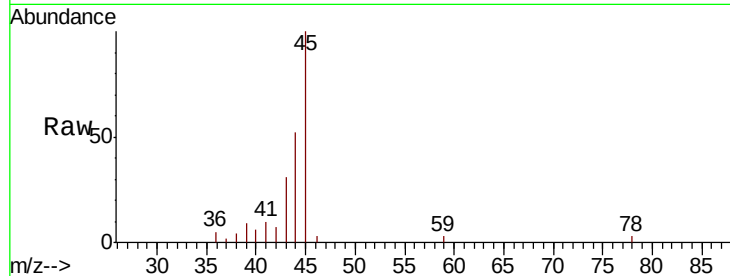




#15
Methyl Acetate
Concen: 0.544 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.16 min
Lab File: VU035124.D
Acq: 12 Oct 2019 06:06

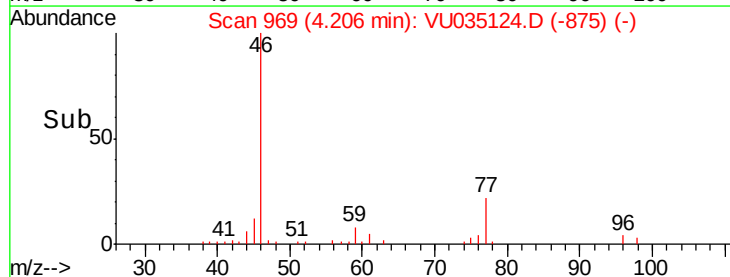
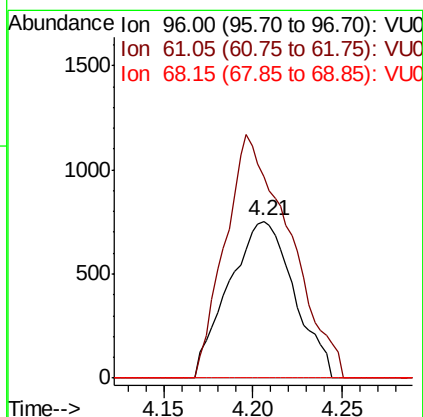
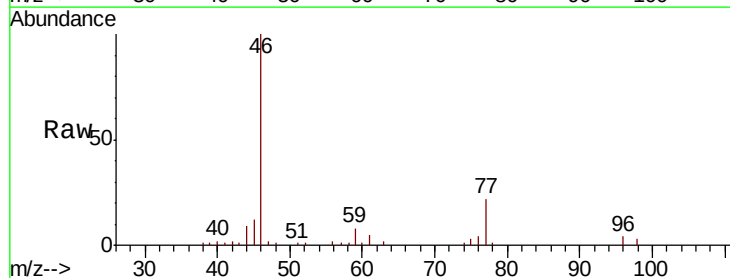
Instrument :
MSVOA_U
ClientSampleId :

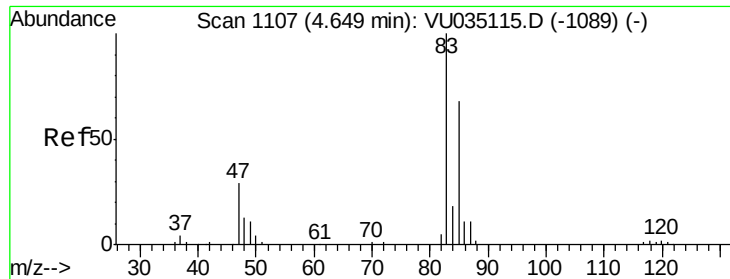
Tot Ion: 43 Resp: 3469
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#22
cis-1,2-Dichloroethene
Concen: 0.149 ug/L
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU035124.D
Acq: 12 Oct 2019 06:06

Tgt Ion: 96 Resp: 1917
Ion Ratio Lower Upper
96 100
61 129.0 89.2 165.6
68 0.0 0.0 0.0

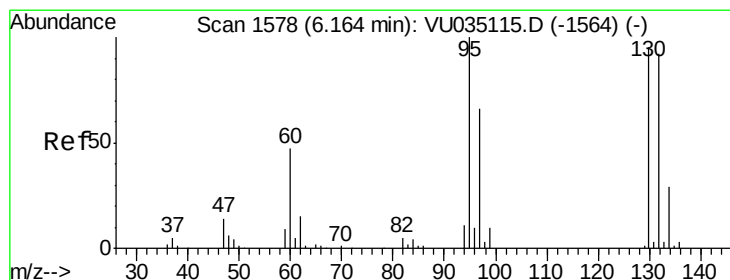
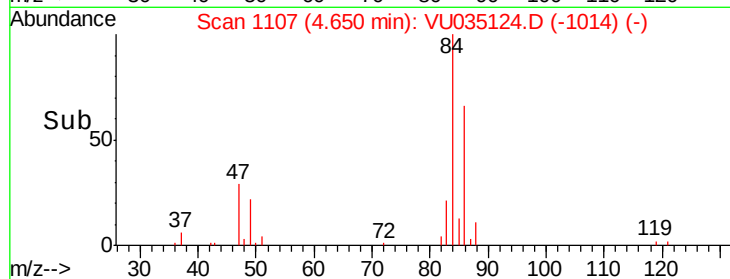
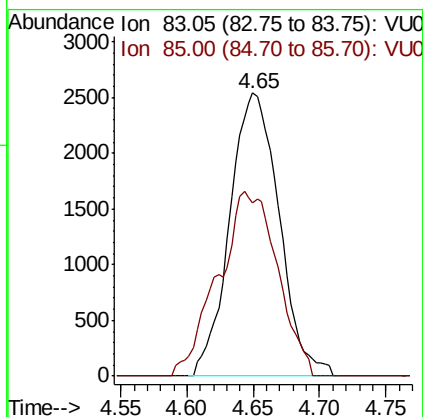
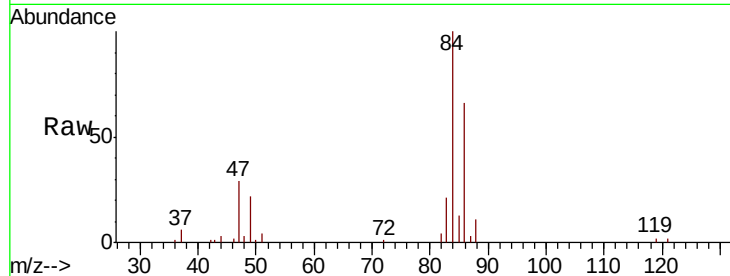




#25
Chloroform
Concen: 0.255 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035124.D
Acq: 12 Oct 2019 06:06

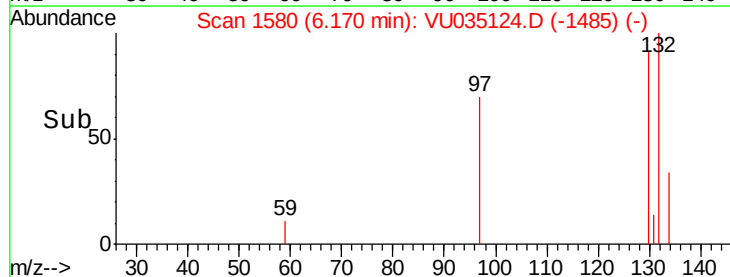
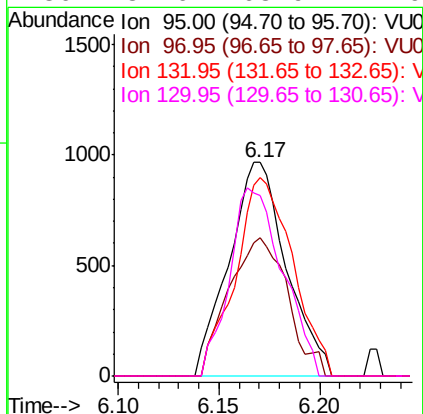
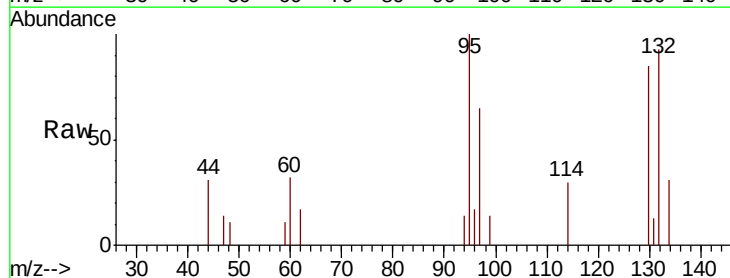
Instrument :
MSVOA_U
ClientSampleId :

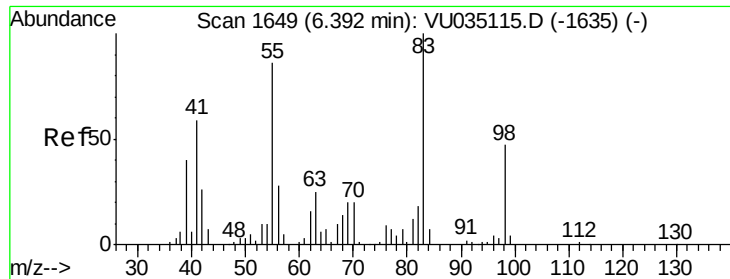
Tot Ion: 83 Resp: 6580
Ion Ratio Lower Upper
83 100
85 61.4 45.4 84.4



#34
Trichloroethene
Concen: 0.141 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VU035124.D
Acq: 12 Oct 2019 06:06

Tgt Ion: 95 Resp: 1923
Ion Ratio Lower Upper
95 100
97 64.6 44.5 82.7
132 92.9 66.6 123.8
130 84.6 68.9 127.9

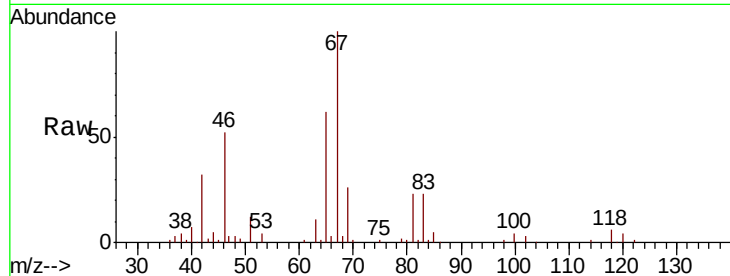




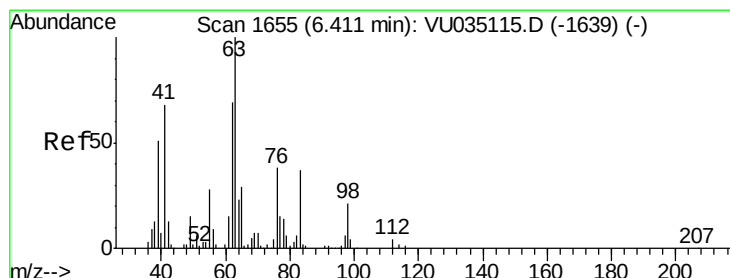
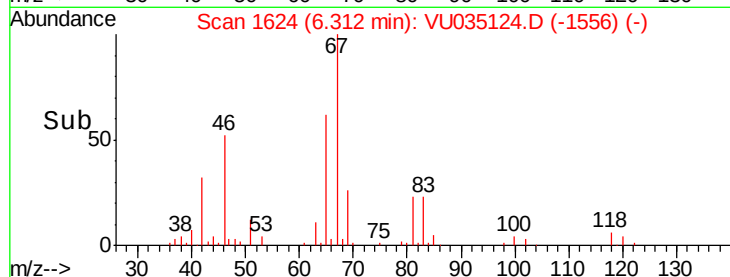
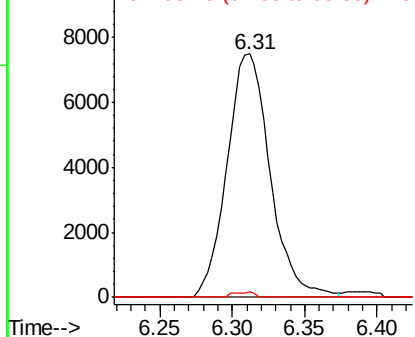
#35
Methylvlcyclohexane
Concen: 0.700 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU035124.D
Acq: 12 Oct 2019 06:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 15460
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 1.0 36.2 54.2#

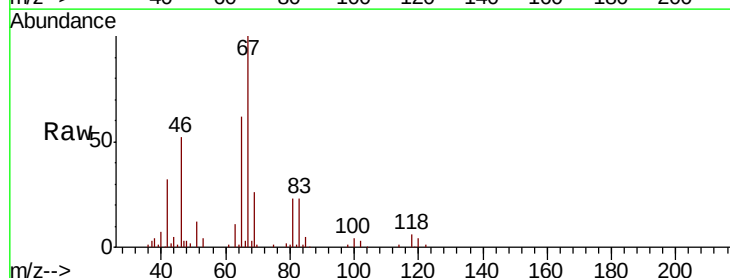


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

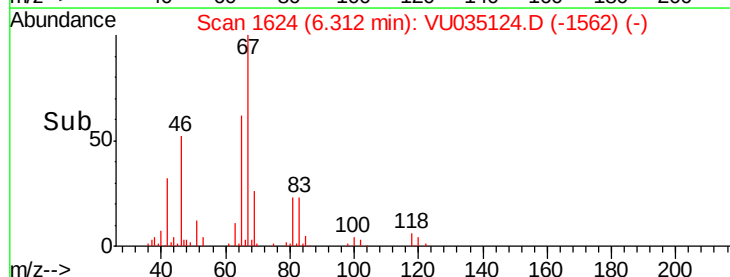
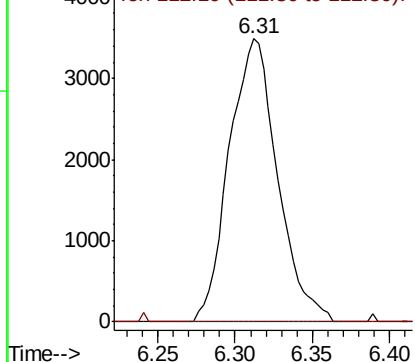


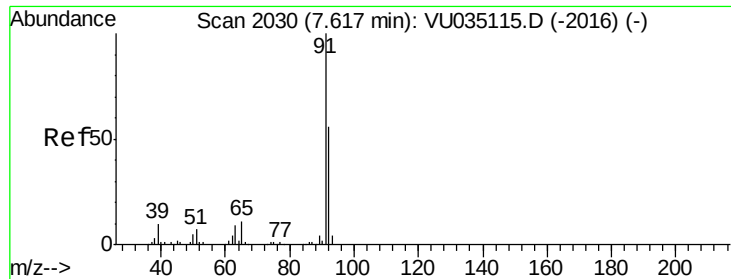
#37
1,2-Dichloropropane
Concen: 0.532 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU035124.D
Acq: 12 Oct 2019 06:06

Tgt Ion: 63 Resp: 7587
Ion Ratio Lower Upper
63 100
112 0.3 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.180 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU035124.D

Acq: 12 Oct 2019 06:06

Instrument :

MSVOA_U

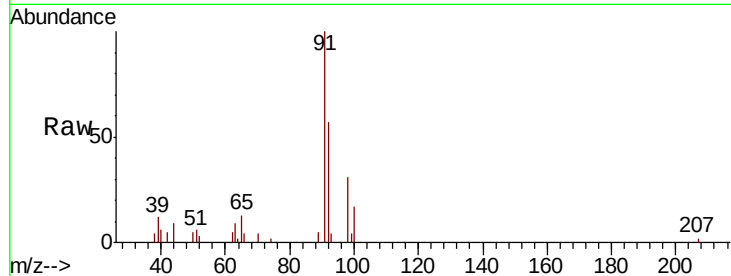
ClientSampled :

Tot Ion: 91 Resp: 9944

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.2

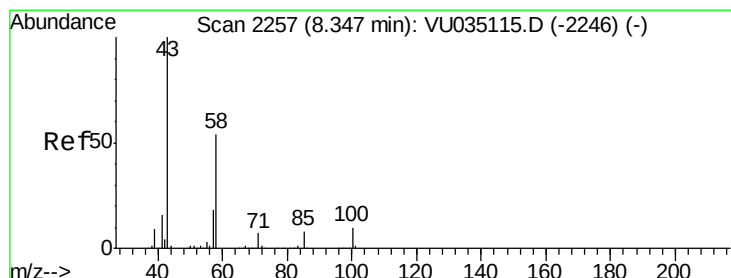
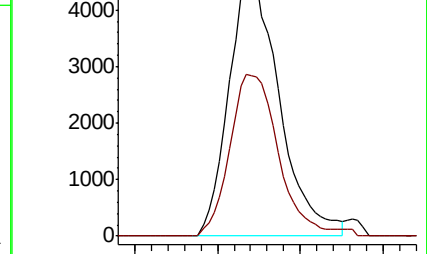
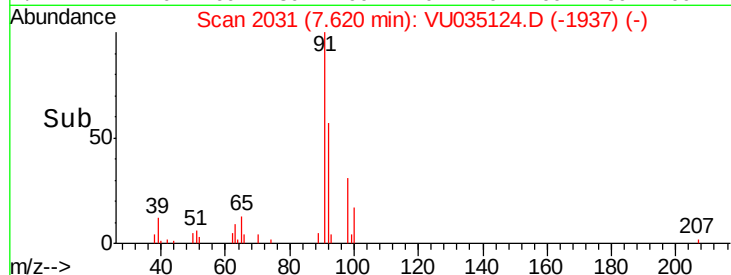


Abundance Ion 91.15 (90.85 to 91.85): VU035115.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU035115.D (-2016) (-)

7.62

Time-->



#48

2-Hexanone

Concen: 1.016 ug/L

RT: 8.35 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU035124.D

Acq: 12 Oct 2019 06:06

Tgt Ion: 43 Resp: 6253

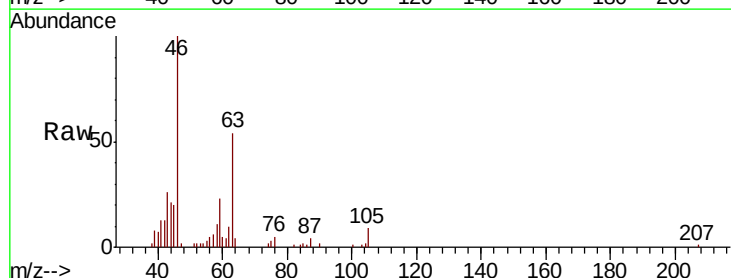
Ion Ratio Lower Upper

43 100

58 48.3 44.1 66.1

57 0.0 15.8 23.8#

100 3.0 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU035115.D (-2246) (-)

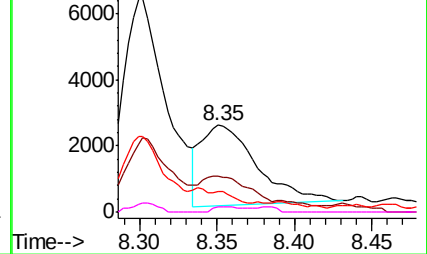
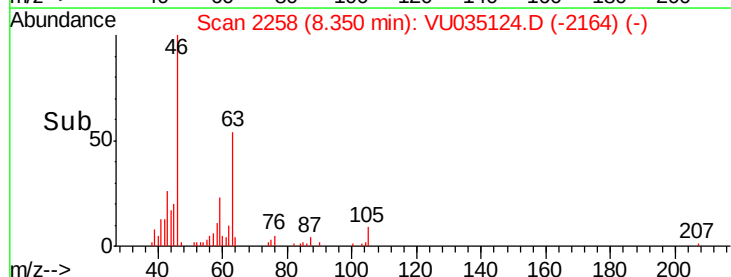
Ion 58.05 (57.75 to 58.75): VU035115.D (-2246) (-)

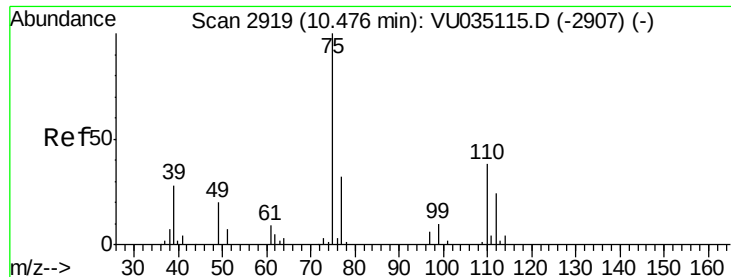
Ion 57.20 (56.90 to 57.90): VU035115.D (-2246) (-)

Ion 100.15 (99.85 to 100.85): VU035115.D (-2246) (-)

8.35

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.051 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU035124.D

Acq: 12 Oct 2019 06:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 9708

Ion Ratio Lower Upper

75 100

77 34.4 26.5 39.7

