

Data File : VU034396.D
Acq On : 07 Sep 2019 22:15
Operator : JC/SP
Sample : K4685-02DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFD71DL

Quant Time: Sep 08 03:47:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Sep 08 03:44:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	275623	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	275778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	127567	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70831	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.68	69	67629	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.26	63	106269	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.17	46	209369	48.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.64%
24) Chloroform-d	4.62	84	160418	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.29	65	78780	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.32	84	331197	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.31	67	108162	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.55	98	287622	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.83	79	33115	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.30	63	158283	45.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.98%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	84642	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	118582	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

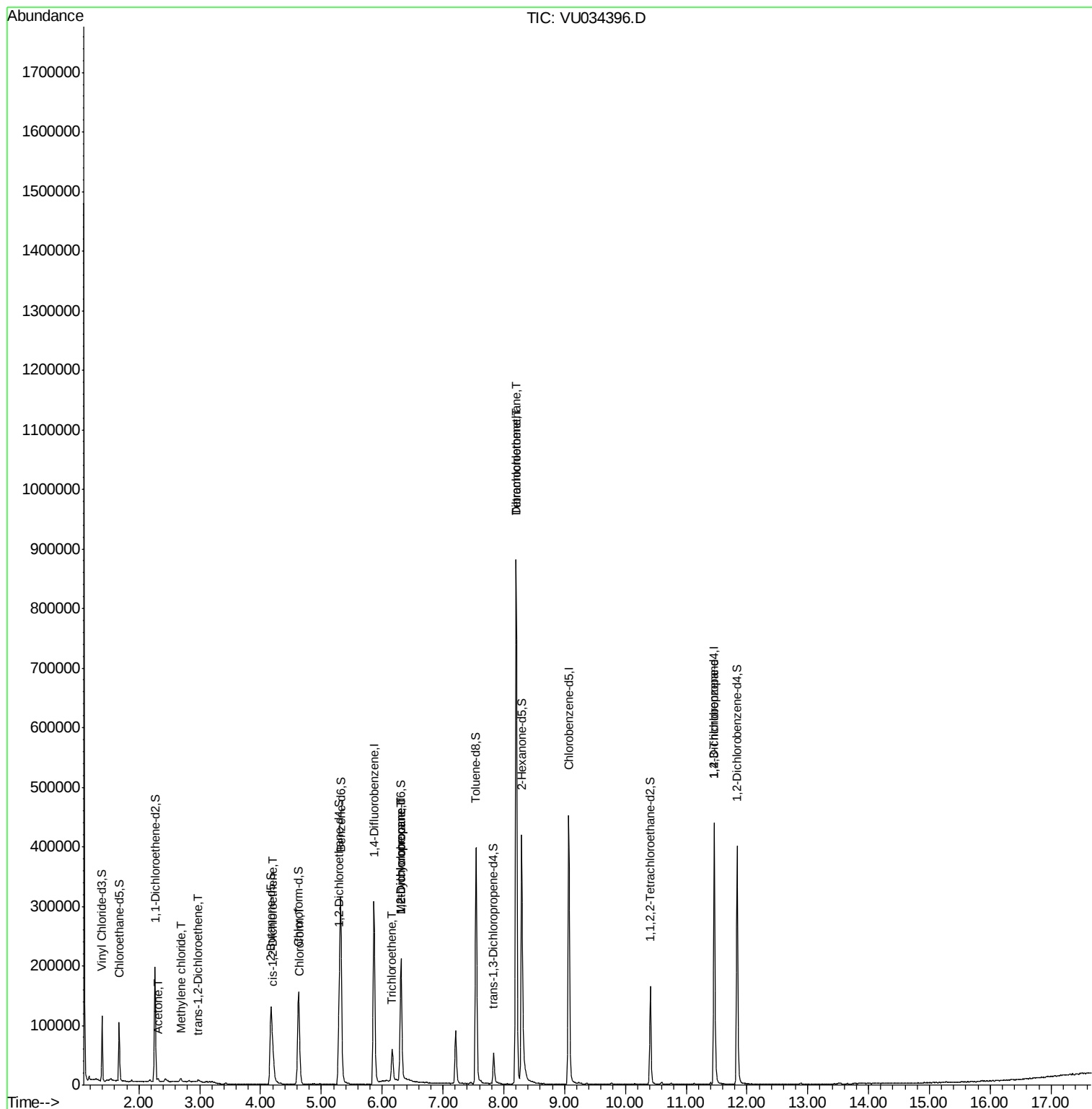
					Qvalue
13) Acetone	2.32	43	3762	1.310 ug/L	98
16) Methylene chloride	2.69	84	2435	0.125 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	945	0.051 ug/L #	65
22) cis-1,2-Dichloroethene	4.20	96	20334	0.975 ug/L	90
25) Chloroform	4.65	83	5093	0.137 ug/L	88
34) Trichloroethene	6.17	95	19447	0.905 ug/L	92
35) Methylcyclohexane	6.31	83	24417	0.685 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	11376	0.529 ug/L #	88
47) Tetrachloroethene	8.21	164	215169	12.178 ug/L	95
49) Dibromochloromethane	8.21	129	195219	11.938 ug/L #	11
59) 1,2,3-Trichloropropane	11.46	75	13882	1.128 ug/L	98

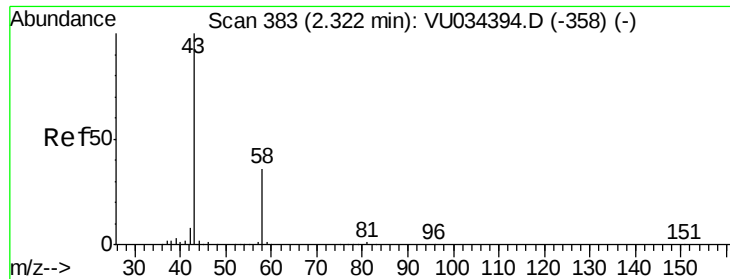
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.310 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

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Acq: 07 Sep 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

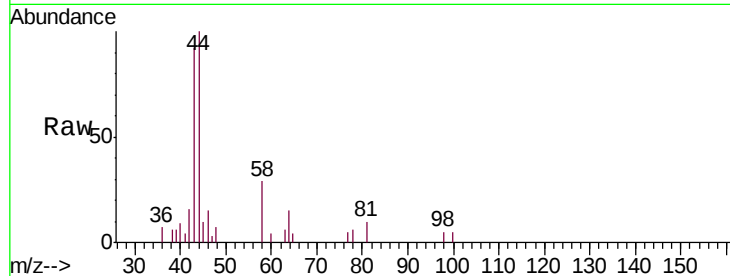
BFD71DL

Tgt Ion: 43 Resp: 3762

Ion Ratio Lower Upper

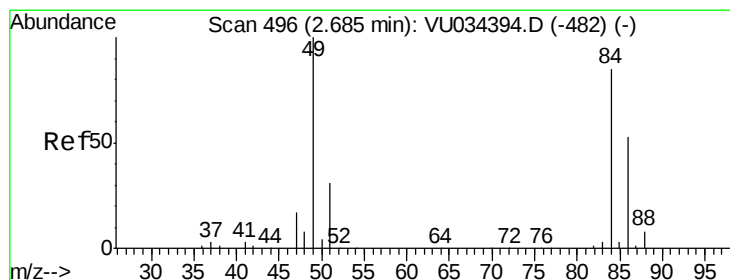
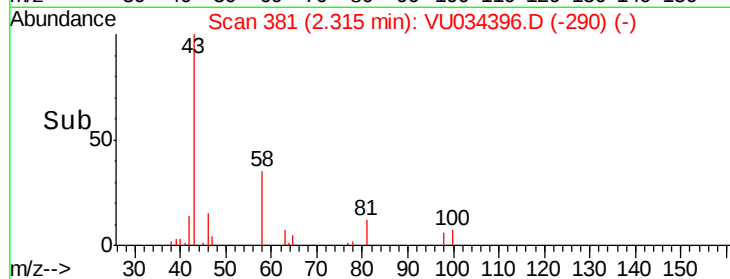
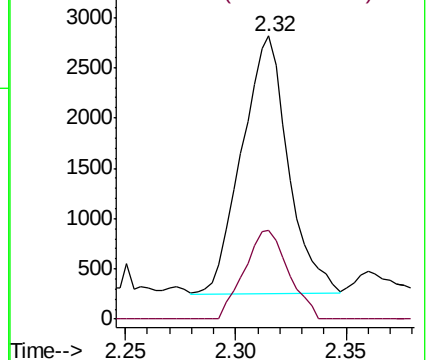
43 100

58 32.6 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034396.D (-290) (-)

Ion 58.05 (57.75 to 58.75): VU034396.D (-290) (-)



#16

Methylene chloride

Concen: 0.125 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU034396.D

Acq: 07 Sep 2019 22:15

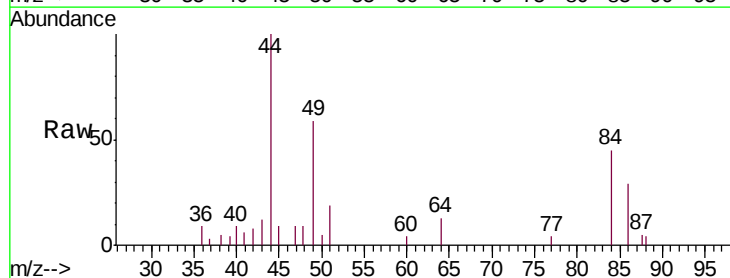
Tgt Ion: 84 Resp: 2435

Ion Ratio Lower Upper

84 100

86 63.4 44.4 82.5

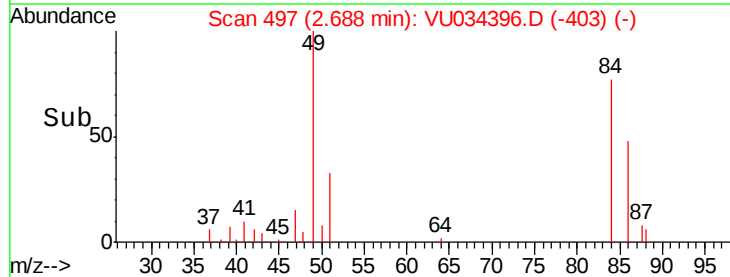
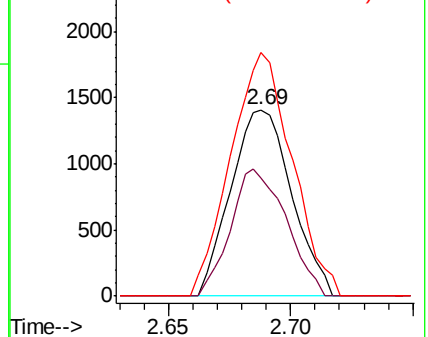
49 130.7 90.2 167.4

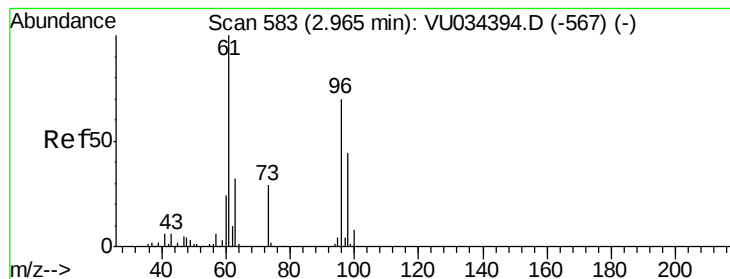


Abundance Ion 84.05 (83.75 to 84.75): VU034396.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034396.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU034396.D (-403) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.051 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034396.D

Acq: 07 Sep 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

BFD71DL

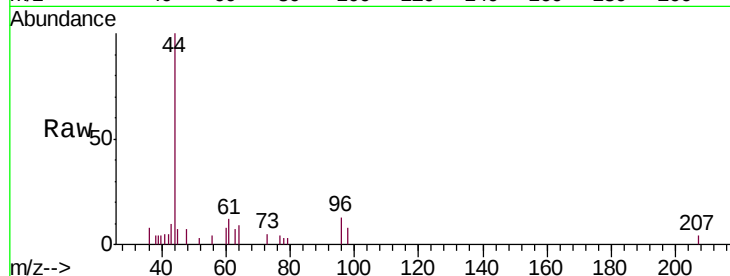
Tgt Ion: 96 Resp: 945

Ion Ratio Lower Upper

96 100

61 90.0 103.5 192.3#

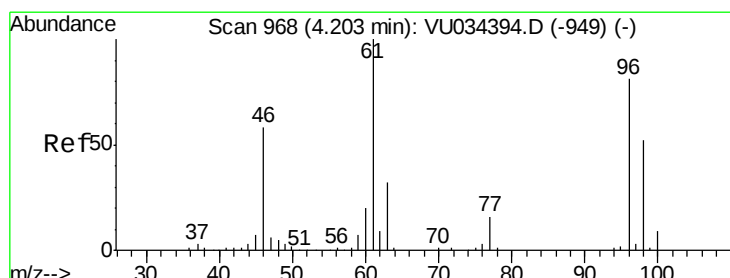
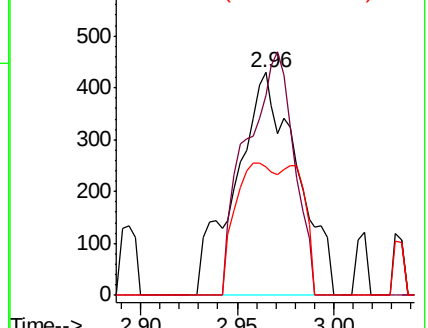
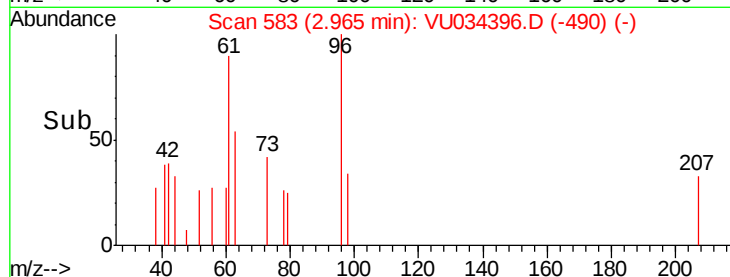
98 57.6 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU034396.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU034396.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU034396.D (-490) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.975 ug/L

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034396.D

Acq: 07 Sep 2019 22:15

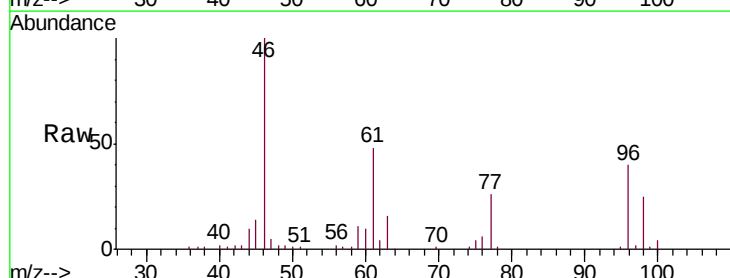
Tgt Ion: 96 Resp: 20334

Ion Ratio Lower Upper

96 100

61 121.6 93.6 173.8

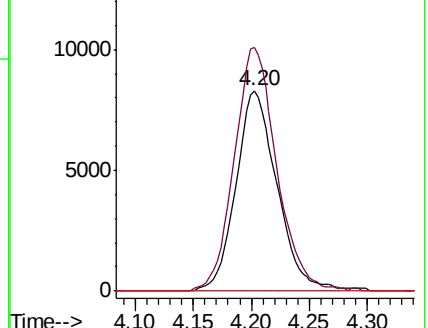
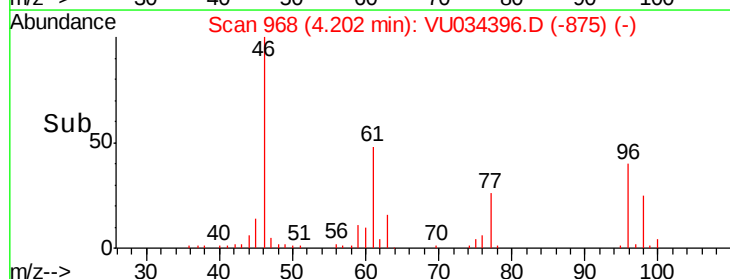
68 0.0 0.0 0.0

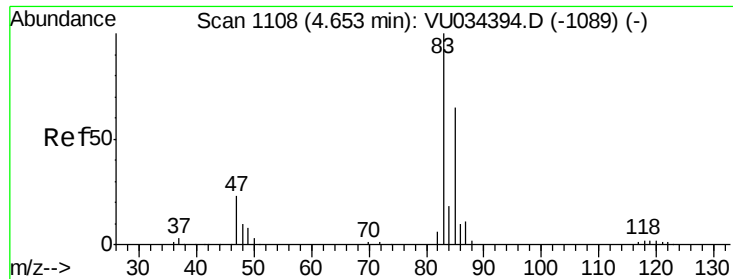


Abundance Ion 96.00 (95.70 to 96.70): VU034396.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VU034396.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VU034396.D (-875) (-)

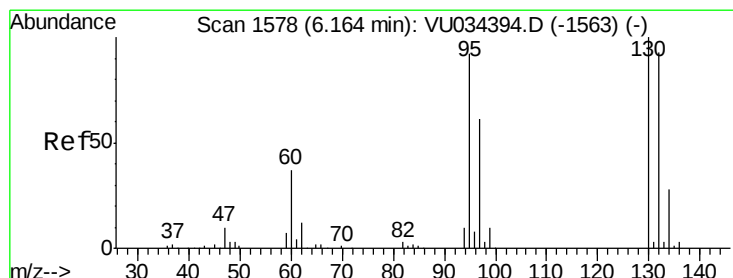
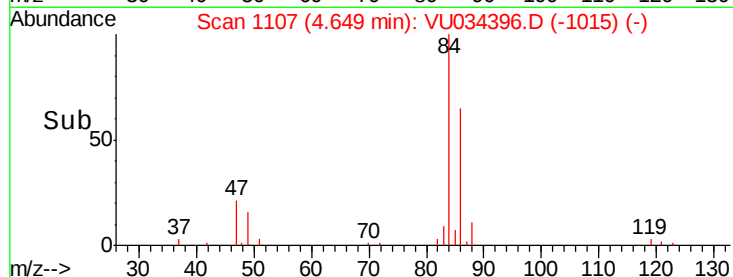
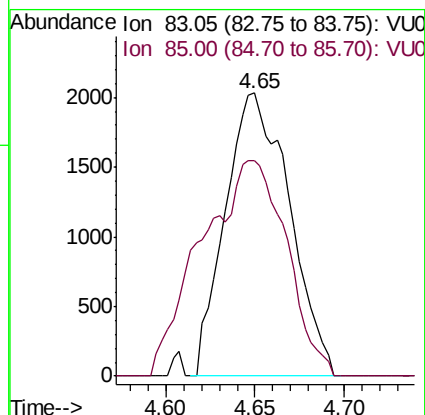
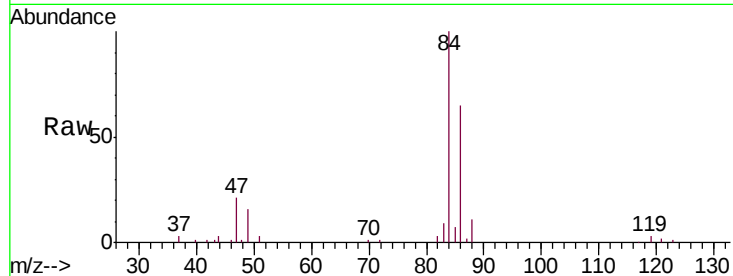




#25
Chloroform
Concen: 0.137 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034396.D
Acq: 07 Sep 2019 22:15

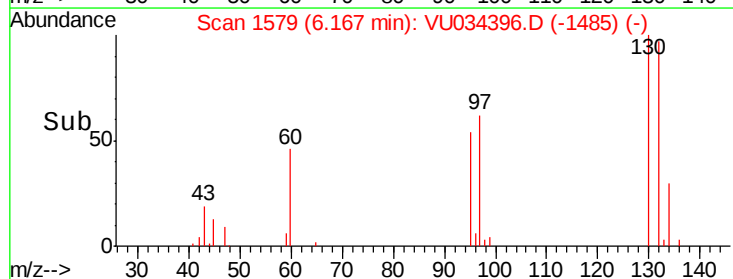
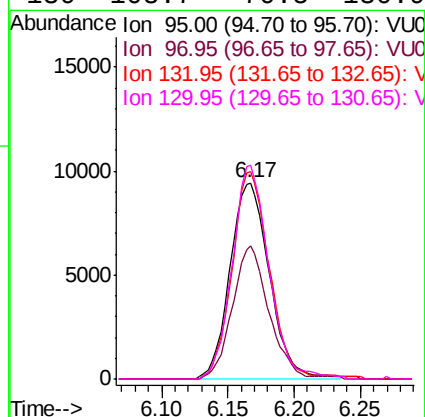
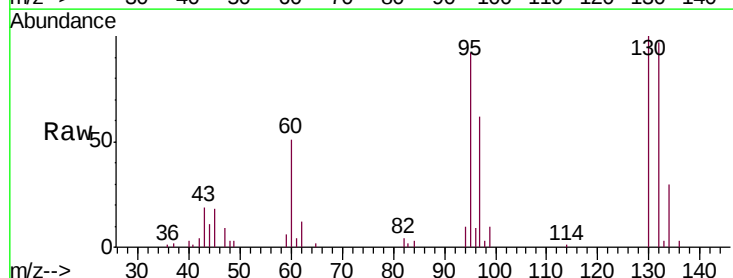
Instrument :
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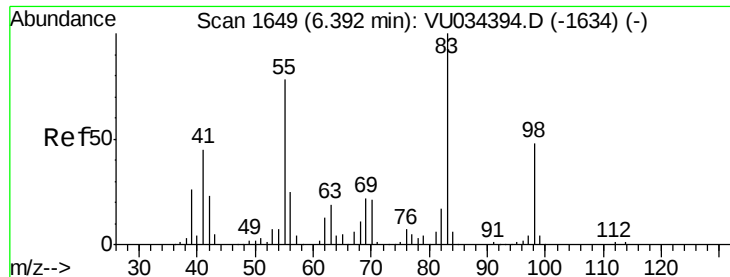
Tgt Ion: 83 Resp: 5093
Ion Ratio Lower Upper
83 100
85 76.2 46.8 86.8



#34
Trichloroethene
Concen: 0.905 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034396.D
Acq: 07 Sep 2019 22:15

Tgt Ion: 95 Resp: 19447
Ion Ratio Lower Upper
95 100
97 67.7 43.3 80.5
132 105.8 68.6 127.4
130 108.7 70.5 130.9

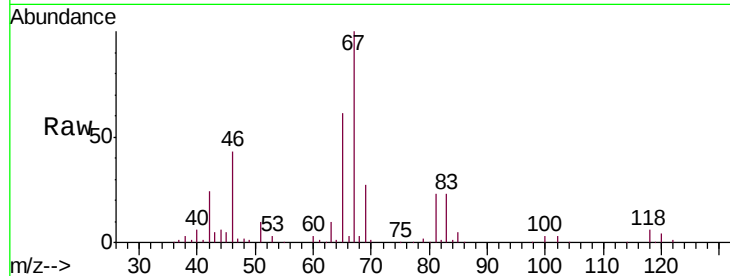




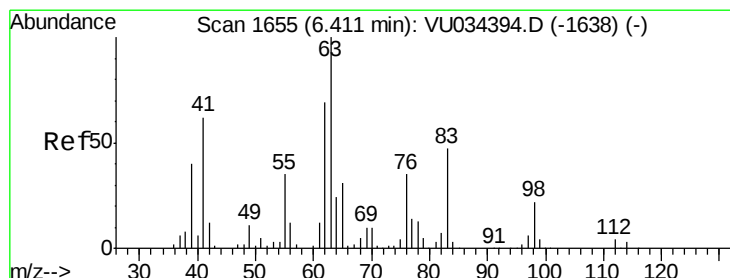
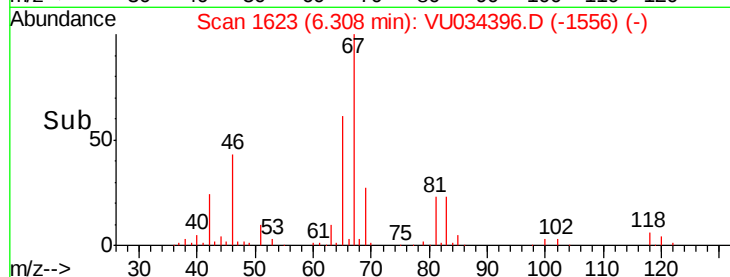
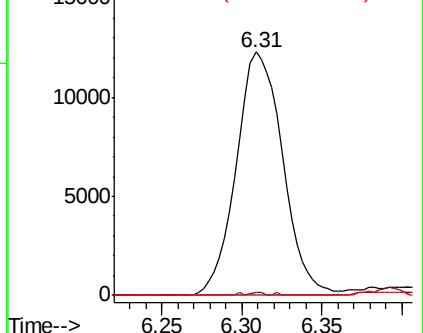
#35
Methylcyclohexane
Concen: 0.685 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU034396.D
Acq: 07 Sep 2019 22:15

Instrument :
MSVOA_U
ClientSampleId :
BFD71DL

Tgt Ion: 83 Resp: 24417
Ion Ratio Lower Upper
83 100
55 0.3 62.6 94.0#
98 0.3 36.2 54.2#

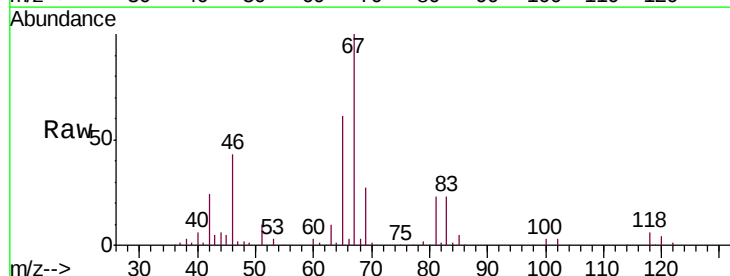


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

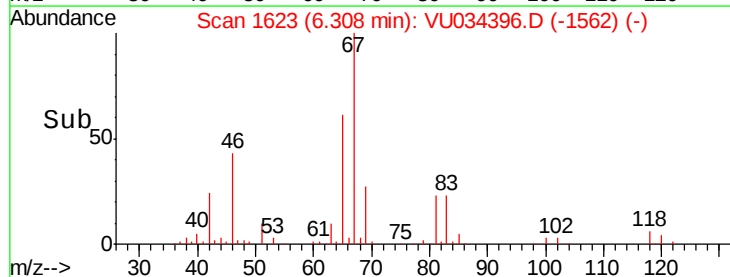
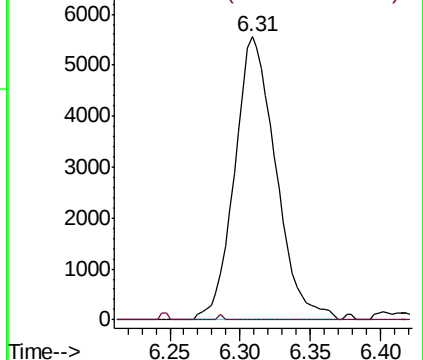


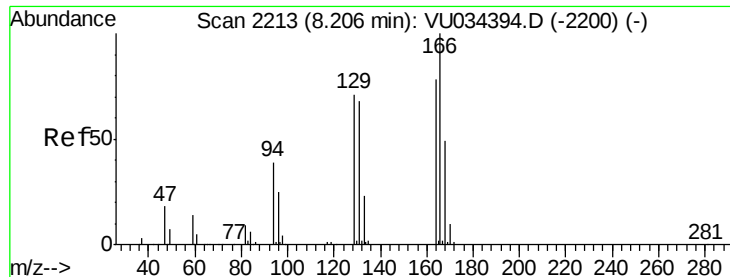
#37
1,2-Dichloropropane
Concen: 0.529 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU034396.D
Acq: 07 Sep 2019 22:15

Tgt Ion: 63 Resp: 11376
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#



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

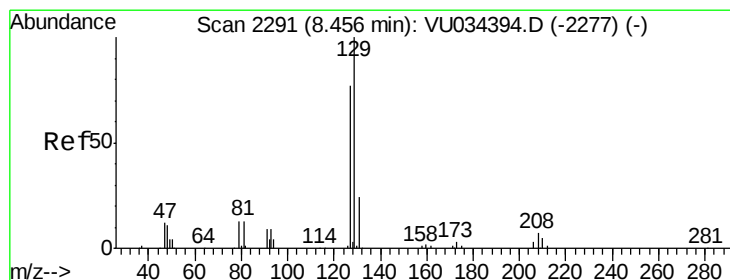
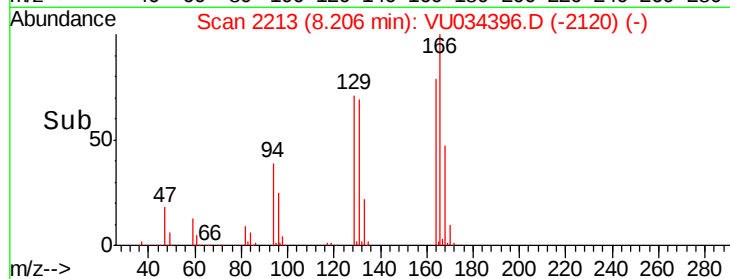
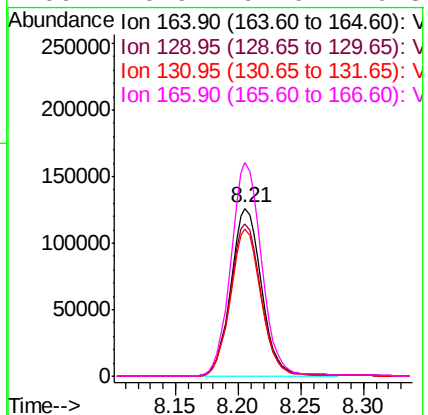
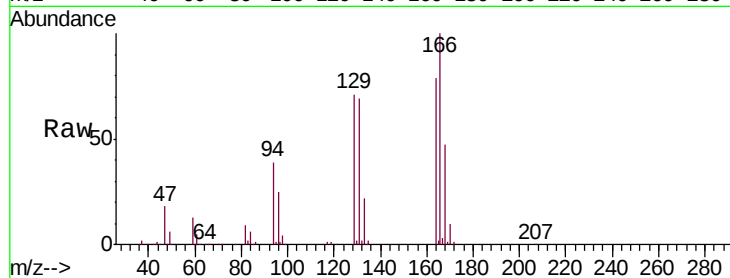




#47
Tetrachloroethene
Concen: 12.178 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034396.D
Acq: 07 Sep 2019 22:15

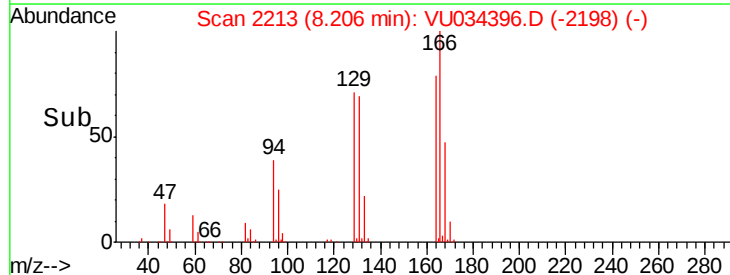
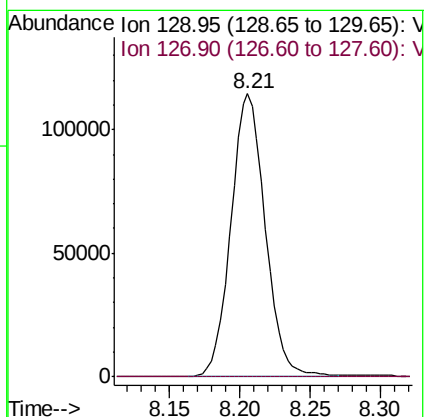
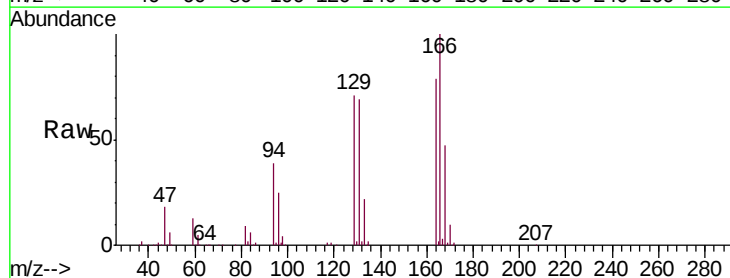
Instrument :
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ClientSampleId :
BFD71DL

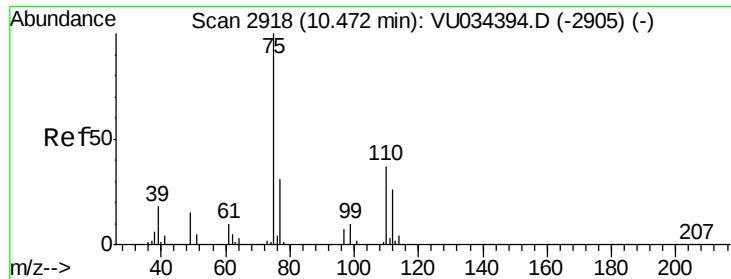
Tgt Ion:	164	Resp:	215169
Ion	Ratio	Lower	Upper
164	100		
129	90.5	68.0	126.2
131	87.3	64.6	120.0
166	126.9	92.0	170.8



#49
Dibromochloromethane
Concen: 11.938 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU034396.D
Acq: 07 Sep 2019 22:15

Tgt Ion:	129	Resp:	195219
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.2	100.6#





#59

1,2,3-Trichloropropane

Concen: 1.128 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034396.D

Acq: 07 Sep 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

BFD71DL

Tgt Ion: 75 Resp: 13882

Ion Ratio Lower Upper

75 100

77 33.7 26.0 39.0

