

Data File : VU034381.D
Acq On : 07 Sep 2019 15:25
Operator : JC/SP
Sample : K4724-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDA3

Quant Time: Sep 08 02:34:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 14:18:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	294636	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	298310	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	142042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79657	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.68	69	70228	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.26	63	120596	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.17	46	235240	51.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	4.62	84	164391	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.29	65	81177	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.32	84	344708	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.31	67	112357	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.55	98	300024	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.83	79	36757	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.30	63	182051	48.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.80%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	91399	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	125774	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

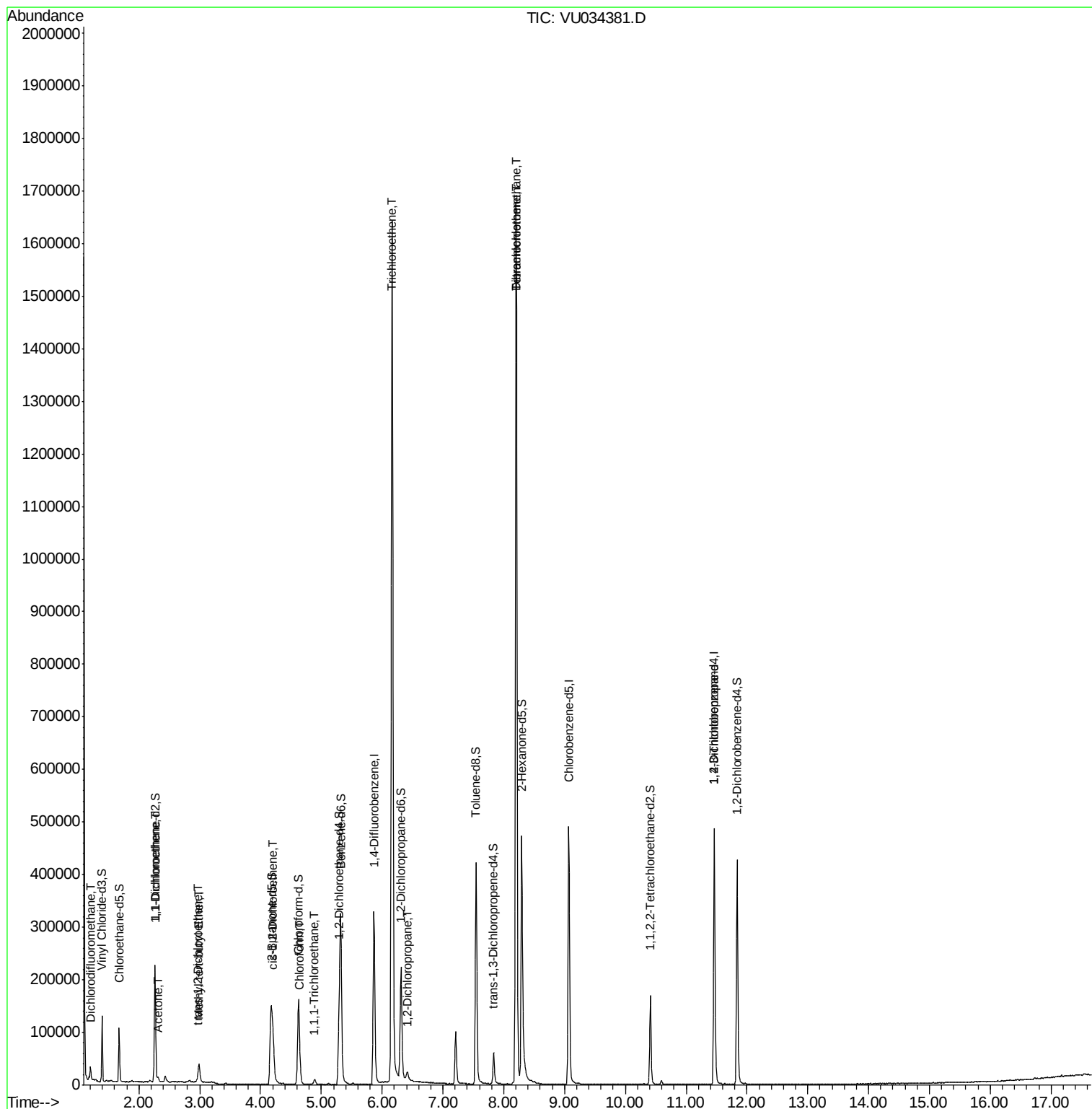
					Qvalue
2) Dichlorodifluoromethane	1.20	85	9291	0.329 ug/L	99
12) 1,1-Dichloroethene	2.28	96	11443	0.624 ug/L #	1
13) Acetone	2.31	43	8777	2.860 ug/L	98
17) Methyl tert-butyl Ether	2.99	73	37714	0.827 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	1048	0.053 ug/L	81
22) cis-1,2-Dichloroethene	4.20	96	45440	2.039 ug/L	94
25) Chloroform	4.65	83	11742	0.295 ug/L	96
29) 1,1,1-Trichloroethane	4.89	97	7104	0.217 ug/L	94
34) Trichloroethene	6.16	95	594069	25.546 ug/L	97
37) 1,2-Dichloropropane	6.41	63	6508	0.280 ug/L	98
47) Tetrachloroethene	8.21	164	410437	21.475 ug/L	96
49) Dibromochloromethane	8.21	129	372060	21.034 ug/L #	11
59) 1,2,3-Trichloropropane	11.46	75	15695	1.179 ug/L	95

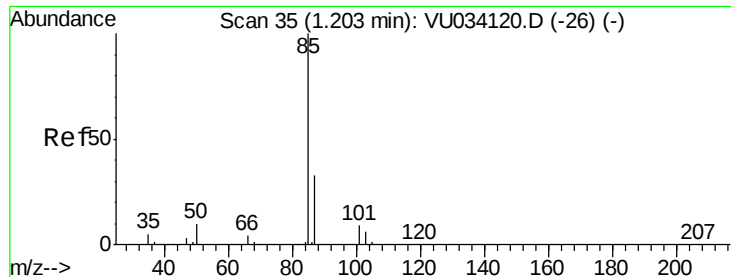
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.329 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

Instrument :

MSVOA_U

ClientSampleId :

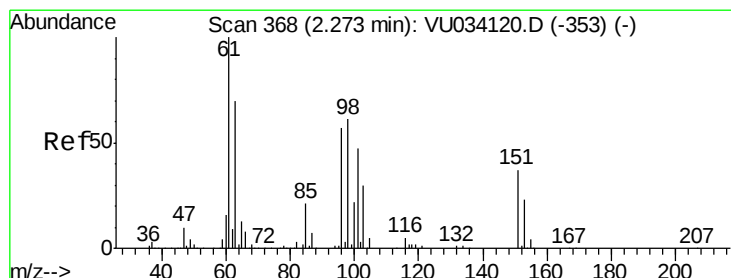
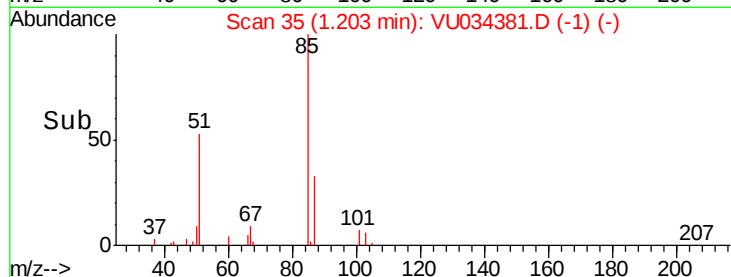
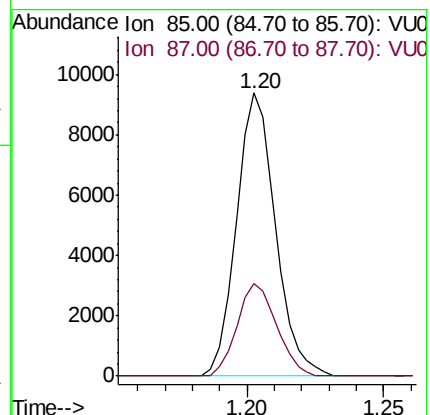
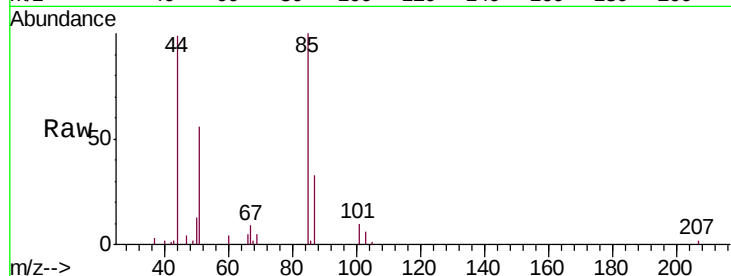
BFDA3

Tgt Ion: 85 Resp: 9291

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.2



#12

1,1-Dichloroethene

Concen: 0.624 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

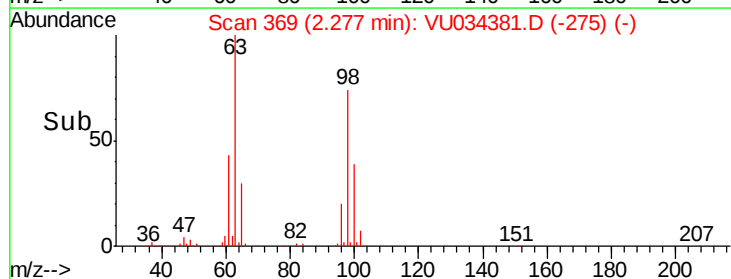
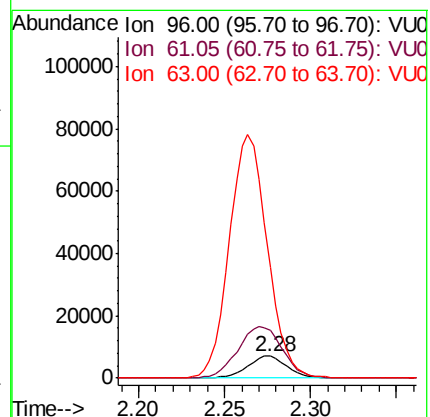
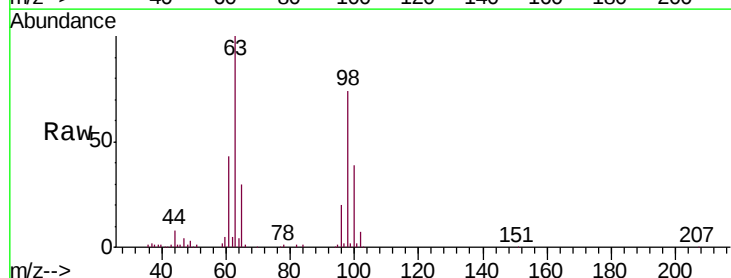
Tgt Ion: 96 Resp: 11443

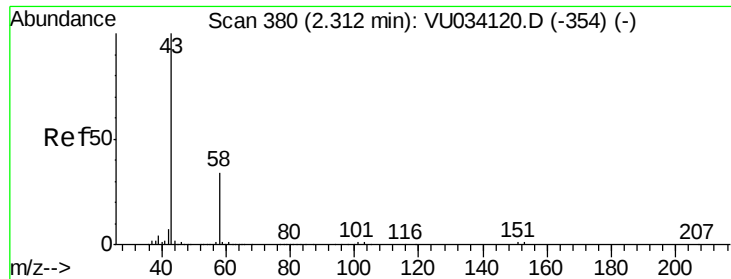
Ion Ratio Lower Upper

96 100

61 216.1 126.6 235.0

63 503.2 94.5 175.5#





#13

Acetone

Concen: 2.860 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

Instrument :

MSVOA_U

ClientSampleId :

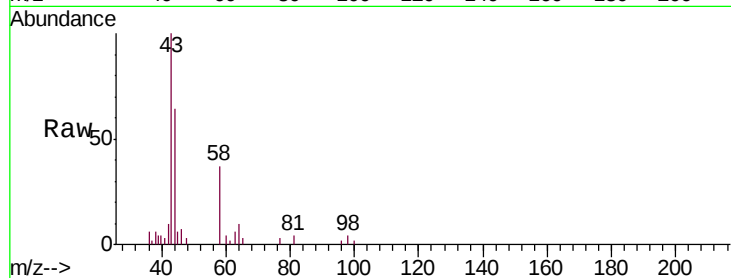
BFDA3

Tgt Ion: 43 Resp: 8777

Ion Ratio Lower Upper

43 100

58 35.1 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034120.D (-354) (-)

Ion 58.05 (57.75 to 58.75): VU034120.D (-354) (-)

2.31

6000

5000

4000

3000

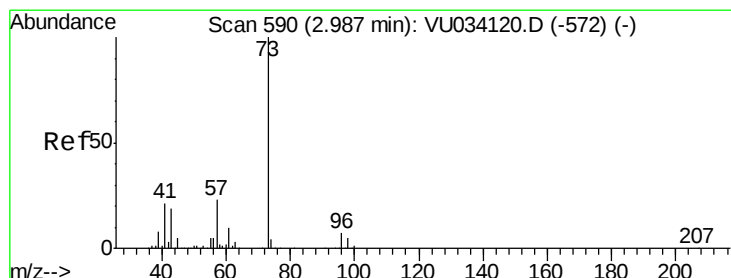
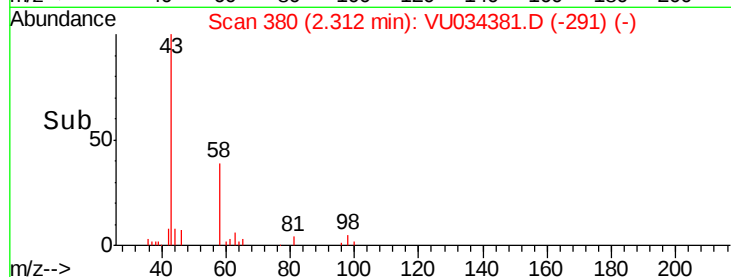
2000

1000

0

2.25 2.30 2.35 2.40

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.827 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

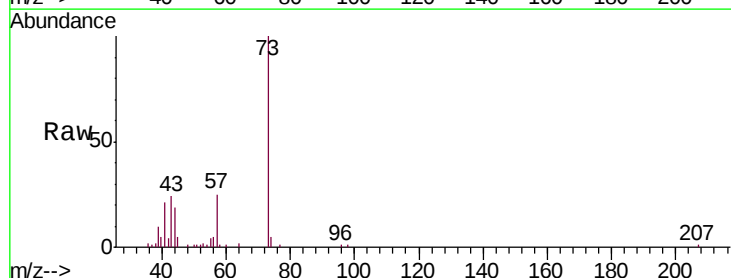
Tgt Ion: 73 Resp: 37714

Ion Ratio Lower Upper

73 100

43 20.0 14.7 22.1

57 23.9 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU034120.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU034120.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU034120.D (-572) (-)

2.99

20000

15000

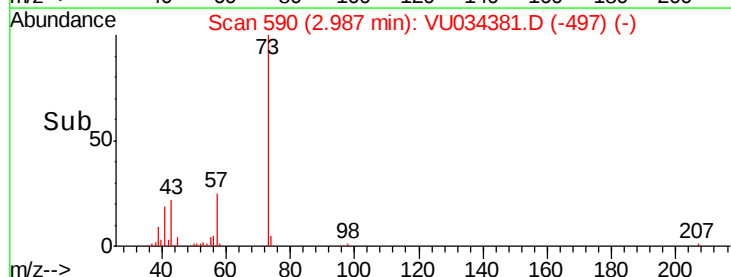
10000

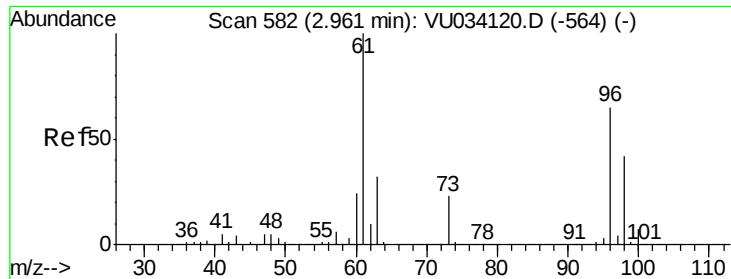
5000

0

2.90 2.95 3.00 3.05 3.10

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.053 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

Instrument :

MSVOA_U

ClientSampleId :

BFDA3

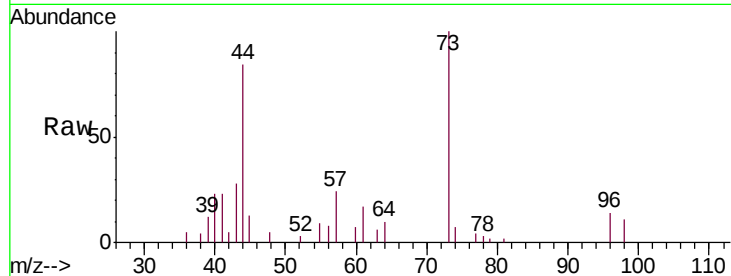
Tgt Ion: 96 Resp: 1048

Ion Ratio Lower Upper

96 100

61 121.9 103.5 192.3

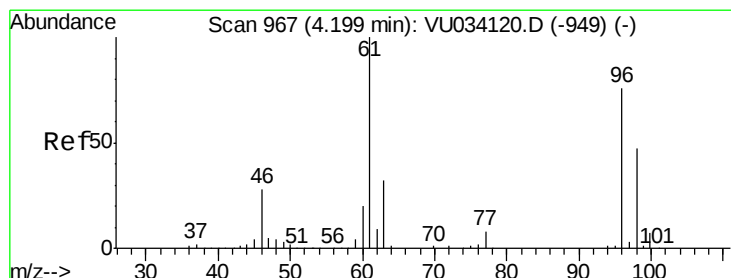
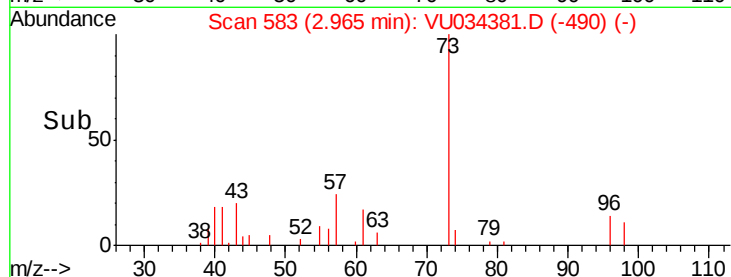
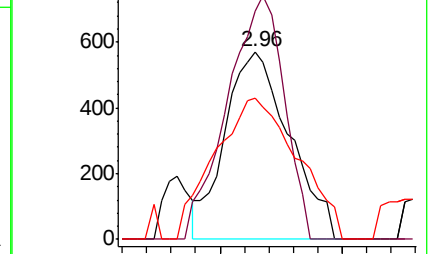
98 75.5 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU034120.D (-564) (-)

Ion 61.05 (60.75 to 61.75): VU034120.D (-564) (-)

Ion 97.95 (97.65 to 98.65): VU034120.D (-564) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.039 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

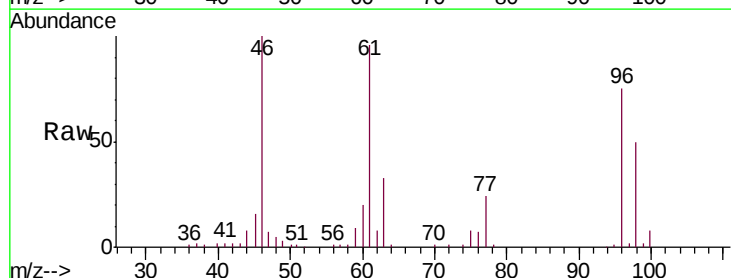
Tgt Ion: 96 Resp: 45440

Ion Ratio Lower Upper

96 100

61 127.1 93.6 173.8

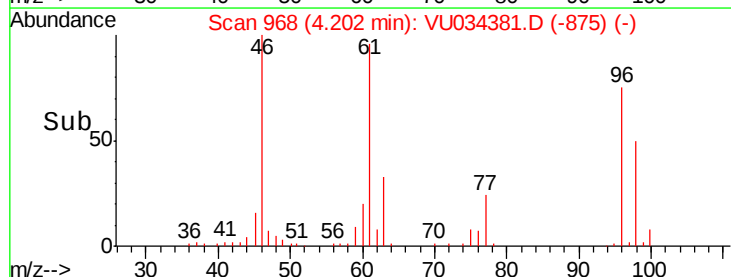
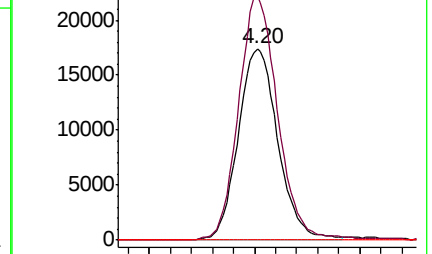
68 0.0 0.0 0.0

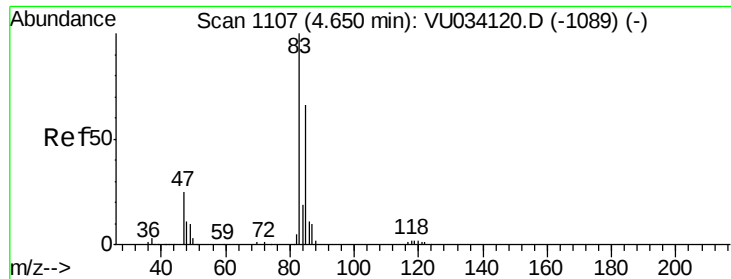


Abundance Ion 96.00 (95.70 to 96.70): VU034120.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU034120.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU034120.D (-949) (-)





#25

Chloroform

Concen: 0.295 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

Instrument :

MSVOA_U

ClientSampled :

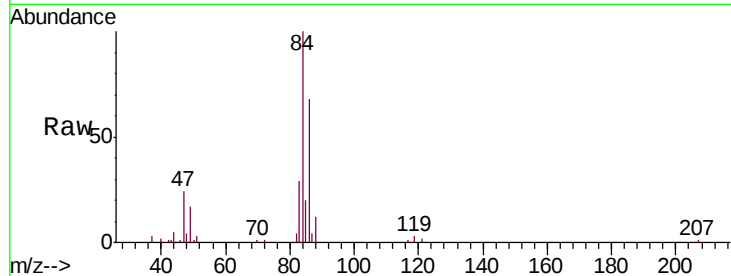
BFDA3

Tgt Ion: 83 Resp: 11742

Ion Ratio Lower Upper

83 100

85 69.7 46.8 86.8

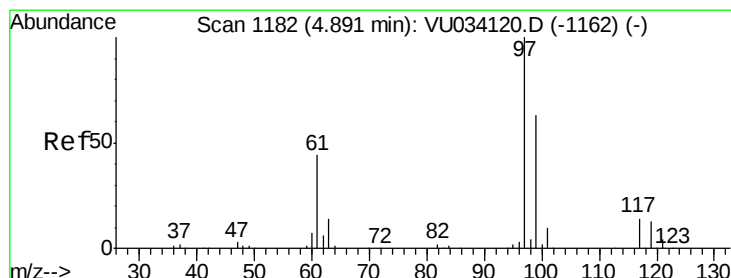
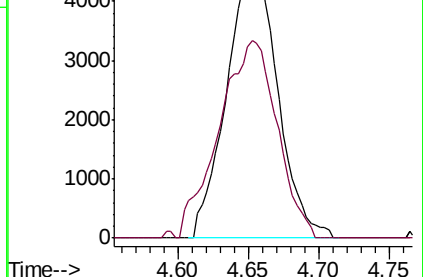
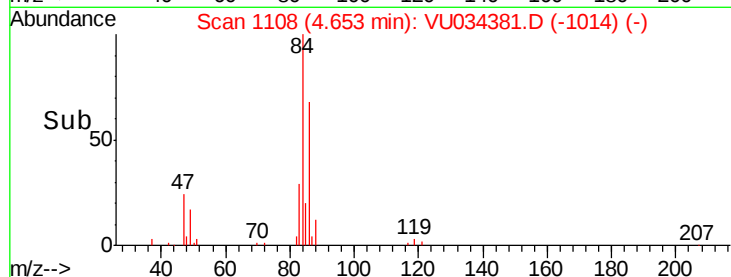


Abundance Ion 83.05 (82.75 to 83.75): VU034120.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU034120.D (-1089) (-)

4.65

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.217 ug/L

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034381.D

Acq: 07 Sep 2019 15:25

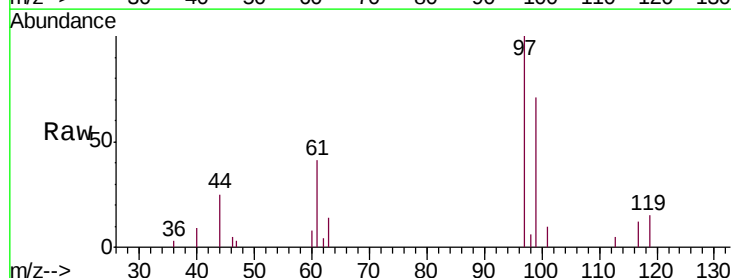
Tgt Ion: 97 Resp: 7104

Ion Ratio Lower Upper

97 100

99 71.4 52.1 78.1

61 45.6 35.4 53.2



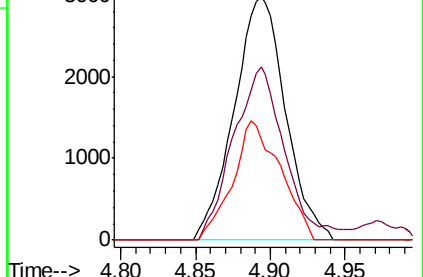
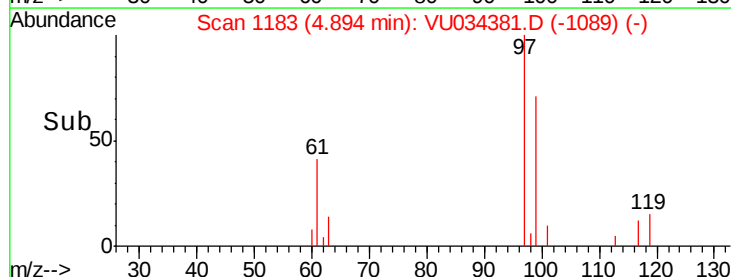
Abundance Ion 96.95 (96.65 to 97.65): VU034120.D (-1162) (-)

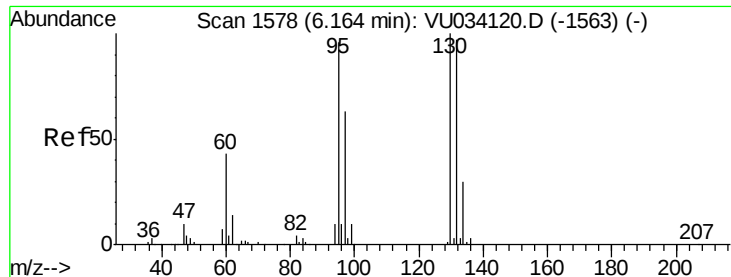
Ion 99.05 (98.75 to 99.75): VU034120.D (-1162) (-)

Ion 61.05 (60.75 to 61.75): VU034120.D (-1162) (-)

4.89

Time-->

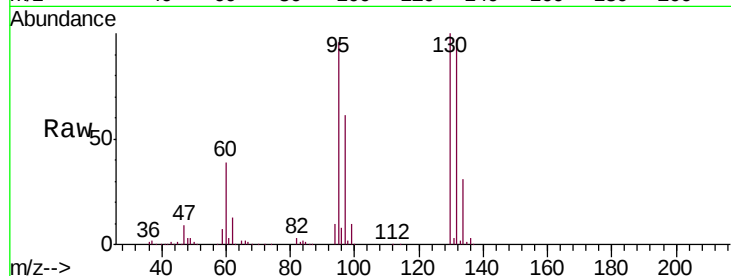




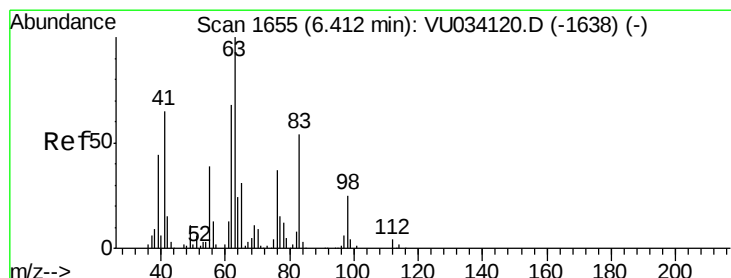
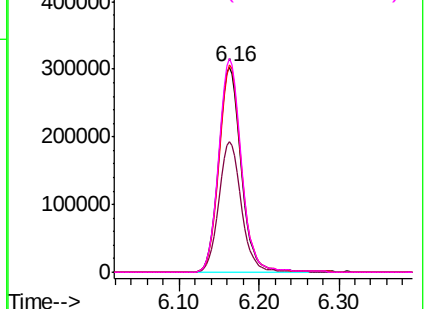
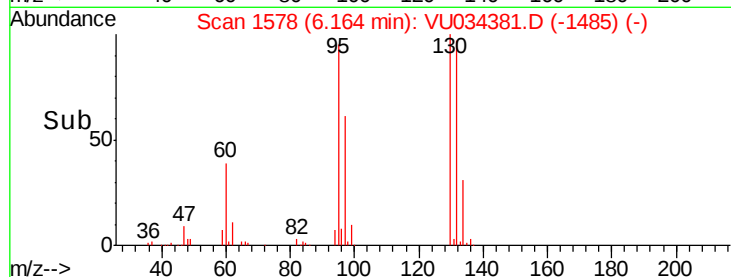
#34
 Trichloroethene
 Concen: 25.546 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034381.D
 Acq: 07 Sep 2019 15:25

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA3

Tgt Ion: 95 Resp: 594069
 Ion Ratio Lower Upper
 95 100
 97 63.7 43.3 80.5
 132 101.0 68.6 127.4
 130 104.1 70.5 130.9

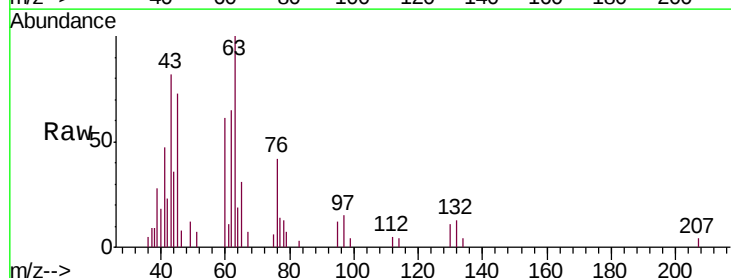


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

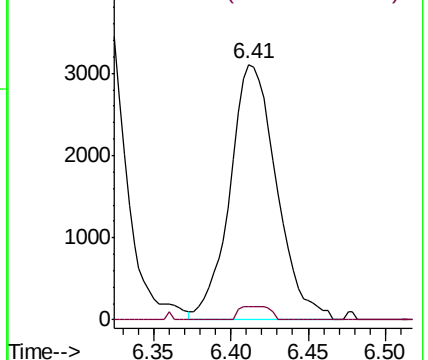
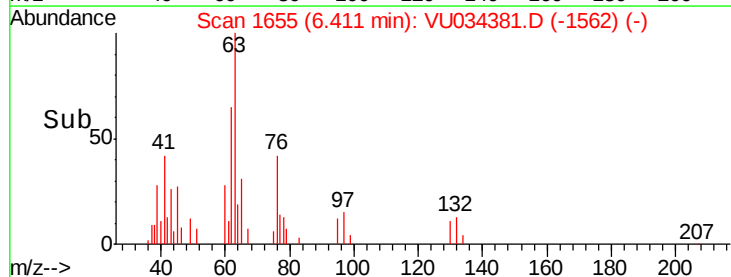


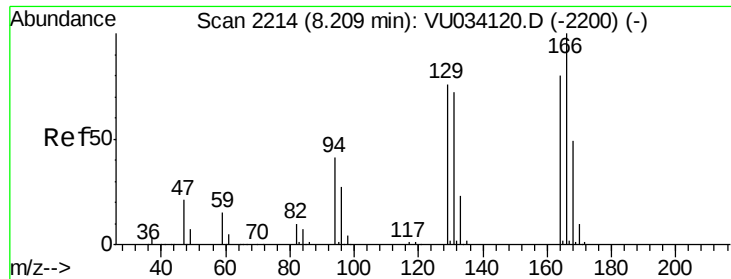
#37
 1,2-Dichloropropane
 Concen: 0.280 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034381.D
 Acq: 07 Sep 2019 15:25

Tgt Ion: 63 Resp: 6508
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.3 4.9



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

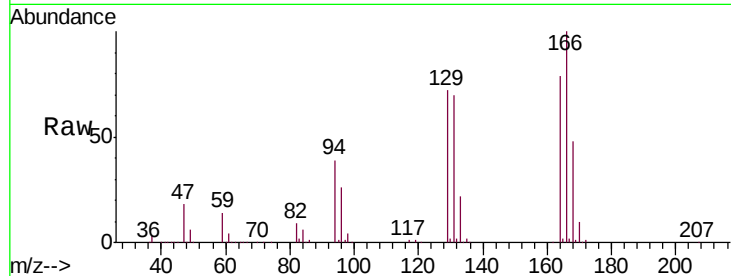




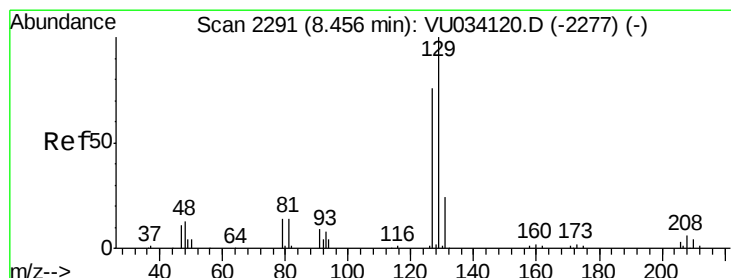
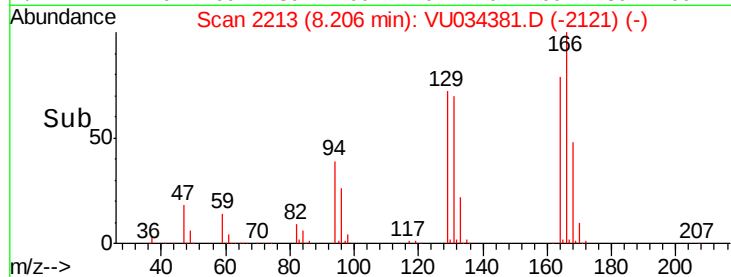
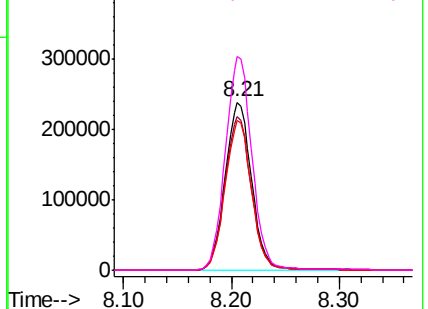
#47
Tetrachloroethene
Concen: 21.475 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034381.D
Acq: 07 Sep 2019 15:25

Instrument :
MSVOA_U
ClientSampleId :
BFDA3

Tgt Ion	Ratio	Lower	Upper
164	100		
129	91.8	68.0	126.2
131	88.9	64.6	120.0
166	127.1	92.0	170.8

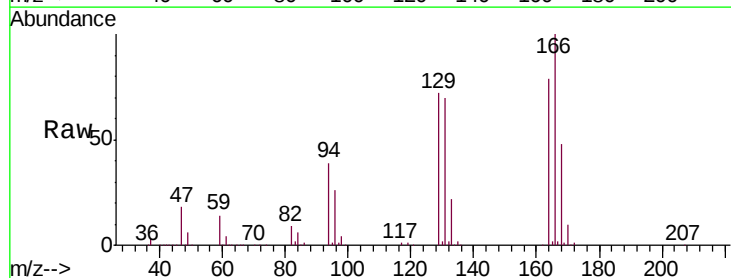


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

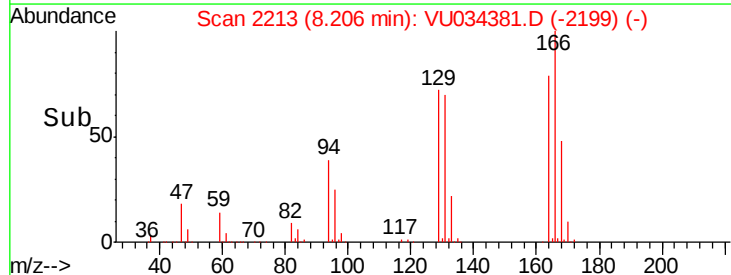
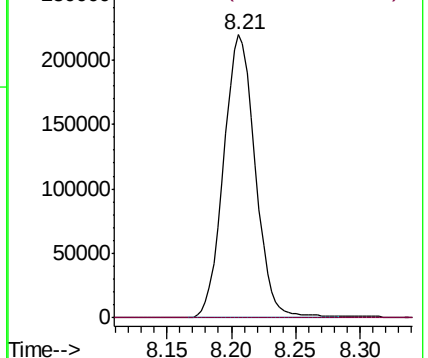


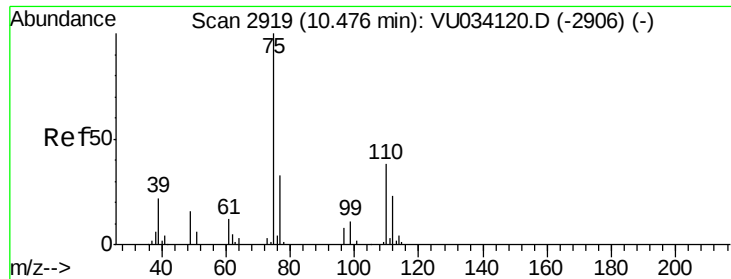
#49
Dibromochloromethane
Concen: 21.034 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU034381.D
Acq: 07 Sep 2019 15:25

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



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59
 1,2,3-Trichloropropane
 Concen: 1.179 ug/L
 RT: 11.46 min Scan# 3226
 Delta R.T. 0.99 min
 Lab File: VU034381.D
 Acq: 07 Sep 2019 15:25

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA3

Tgt Ion: 75 Resp: 15695
 Ion Ratio Lower Upper
 75 100
 77 35.1 26.0 39.0

