

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\
 Data File : VU034410.D
 Acq On : 08 Sep 2019 03:53
 Operator : JC/SP
 Sample : K4703-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFD97

Quant Time: Sep 09 06:37:42 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	277807	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	284231	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	127546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74242	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.68	69	68735	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.27	63	164631	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	4.17	46	221284	51.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.40%
24) Chloroform-d	4.63	84	153692	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.29	65	78336	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.32	84	323400	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.31	67	108885	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.55	98	276056	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	7.83	79	32584	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.30	63	162865	45.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.84%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	85742	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	116109	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	13599	0.511 ug/L	99
5) Vinyl chloride	1.40	62	19998	0.733 ug/L	93
9) Trichlorofluoromethane	1.88	101	9191	0.302 ug/L	95
12) 1,1-Dichloroethene	2.28	96	107282	6.209 ug/L	79
18) trans-1,2-Dichloroethene	2.97	96	2058	0.110 ug/L	84
19) 1,1-Dichloroethane	3.42	63	576405	15.643 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	482207	22.948 ug/L	94
27) 1,2-Dichloroethane	5.39	62	10458	0.505 ug/L #	92
29) 1,1,1-Trichloroethane	4.89	97	27424	0.880 ug/L	98
34) Trichloroethene	6.16	95	830029	37.461 ug/L	97
37) 1,2-Dichloropropane	6.41	63	6258	0.283 ug/L	99
47) Tetrachloroethene	8.21	164	557587	30.619 ug/L	97
51) Chlorobenzene	9.10	112	32157	0.556 ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	20551	0.513 ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	7041	0.193 ug/L	92

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Quant Time: Sep 09 06:37:42 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Sep 08 03:44:03 2019
Response via : Initial Calibration

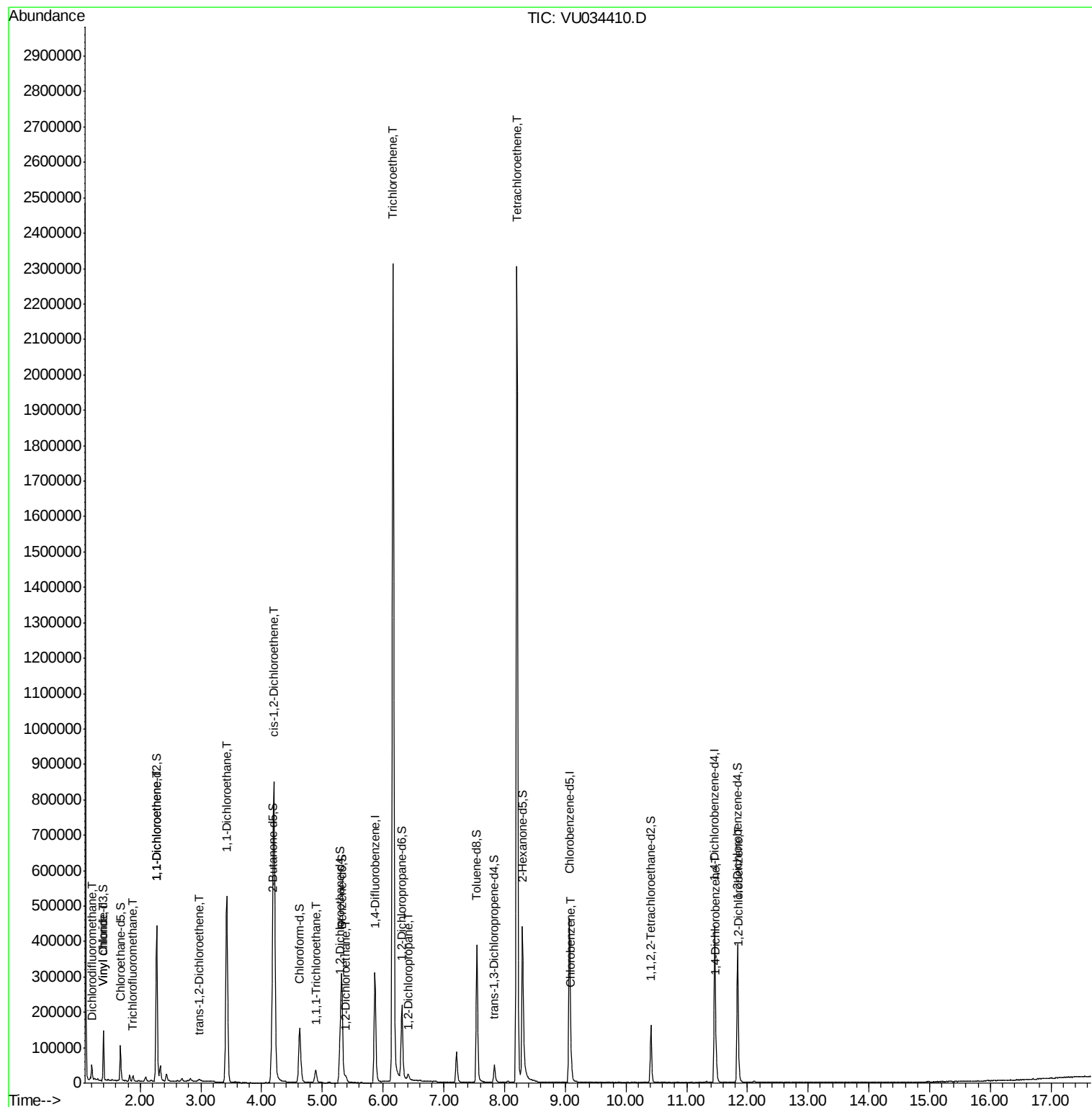
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

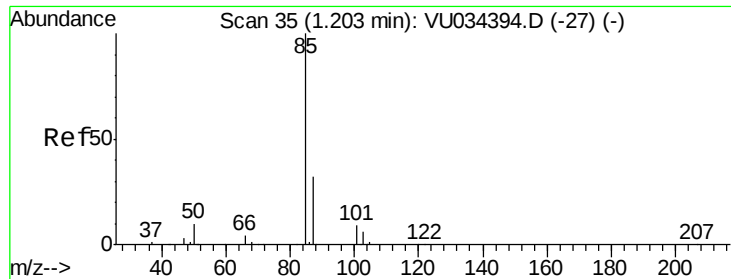
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#2

Dichlorodifluoromethane

Concen: 0.511 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034410.D

Acq: 08 Sep 2019 03:53

Instrument :

MSVOA_U

ClientSampleId :

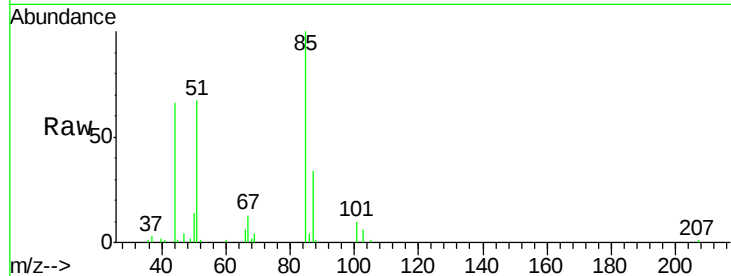
BFD97

Tot Ion: 85 Resp: 13599

Ion Ratio Lower Upper

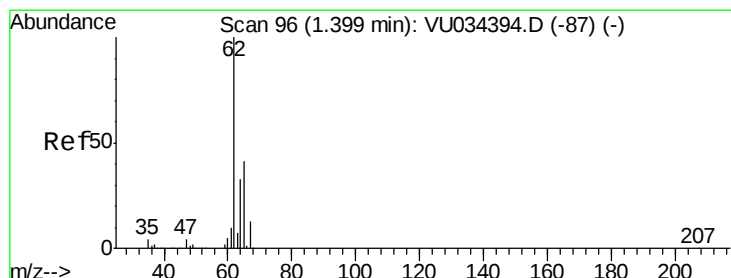
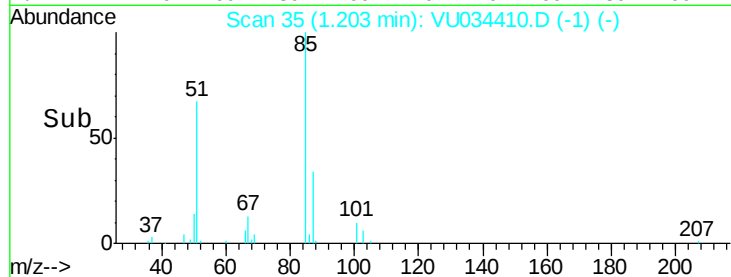
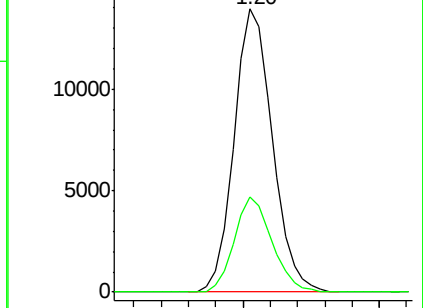
85 100

87 33.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU034410.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034410.D (-1) (-)



#5

Vinyl chloride

Concen: 0.733 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034410.D

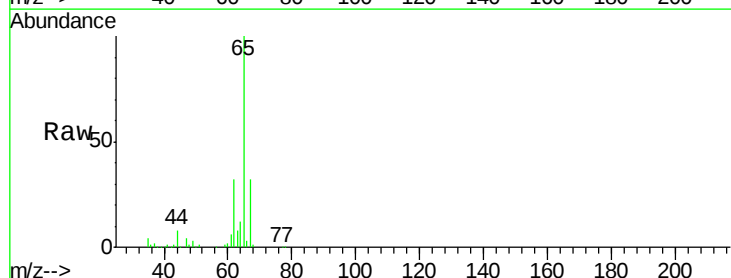
Acq: 08 Sep 2019 03:53

Tgt Ion: 62 Resp: 19998

Ion Ratio Lower Upper

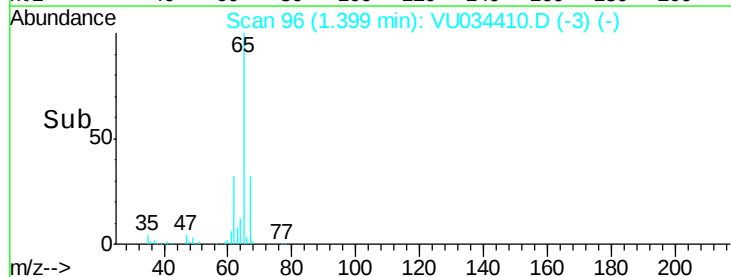
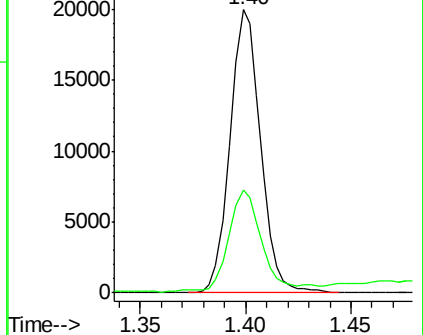
62 100

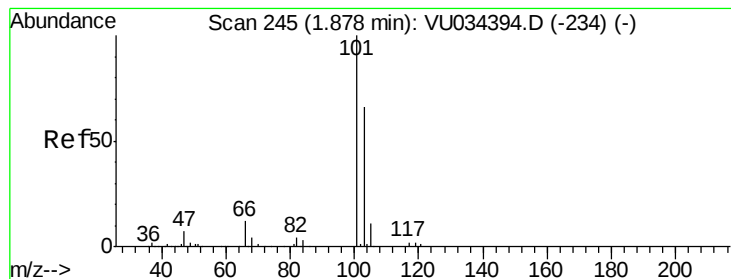
64 36.3 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU034410.D (-3) (-)

Ion 64.10 (63.80 to 64.80): VU034410.D (-3) (-)



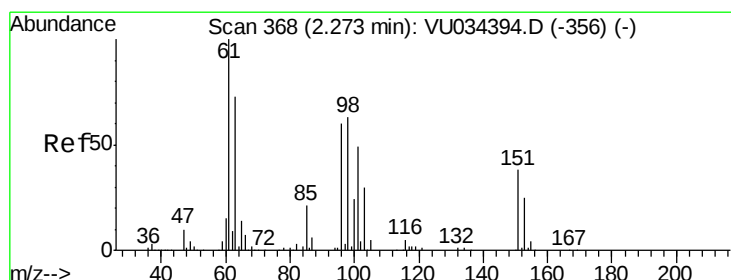
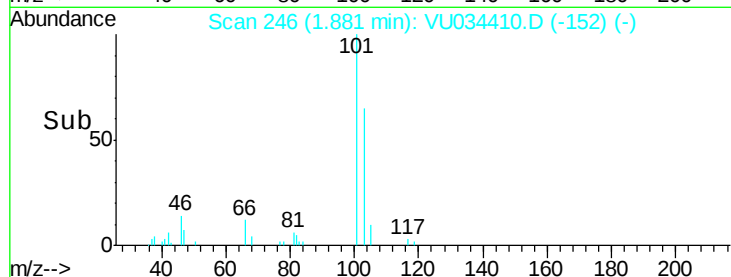
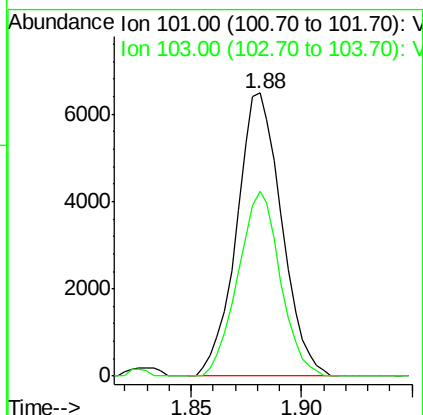
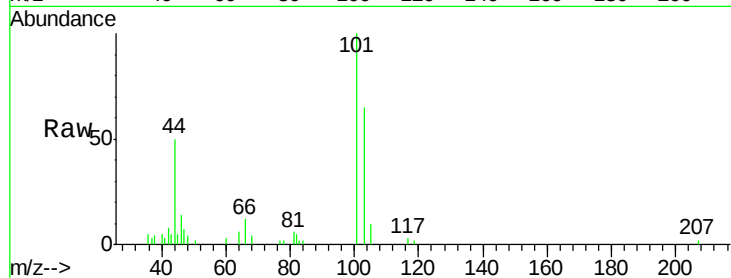


#9

Trichlorofluoromethane
 Concen: 0.302 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU034410.D
 Acq: 08 Sep 2019 03:53

Instrument :
 MSVOA_U
 ClientSampleId :
 BFD97

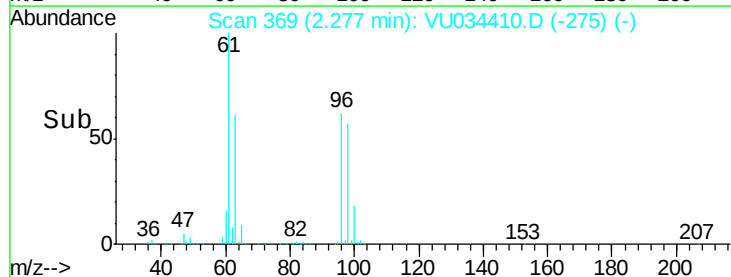
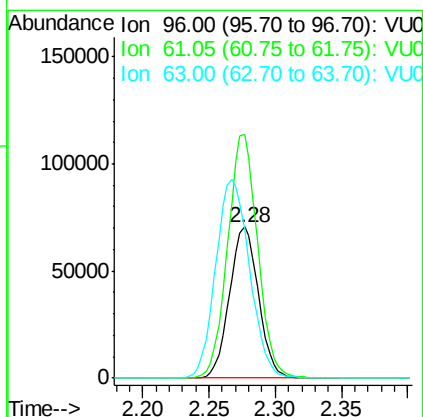
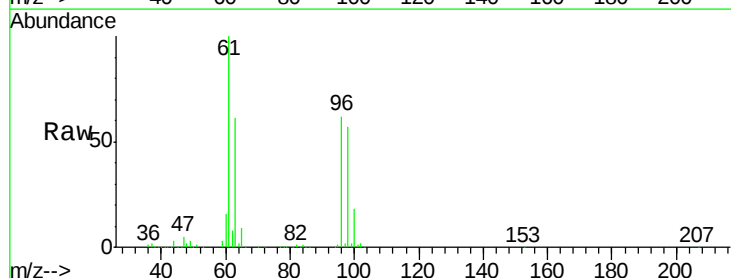
Tot Ion:101 Resp: 9191
 Ion Ratio Lower Upper
 101 100
 103 61.3 52.3 78.5

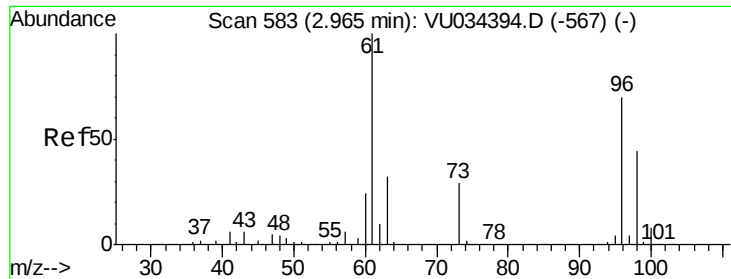


#12

1,1-Dichloroethene
 Concen: 6.209 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU034410.D
 Acq: 08 Sep 2019 03:53

Tgt Ion: 96 Resp: 107282
 Ion Ratio Lower Upper
 96 100
 61 161.3 126.6 235.0
 63 98.6 94.5 175.5

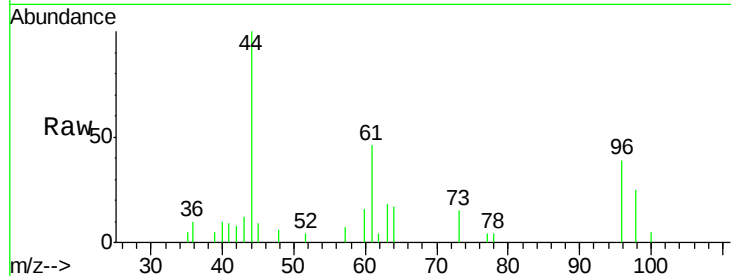




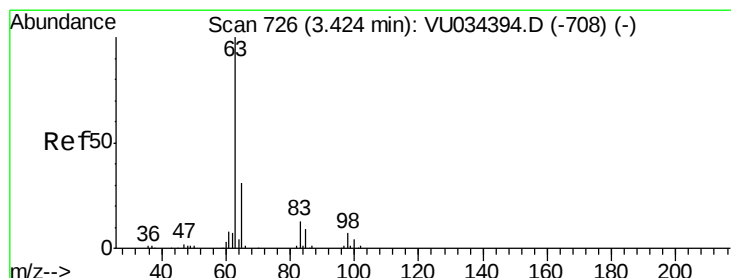
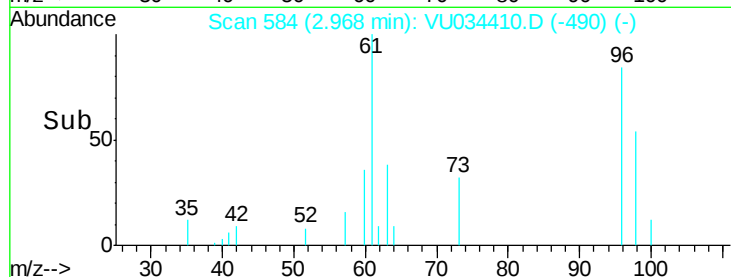
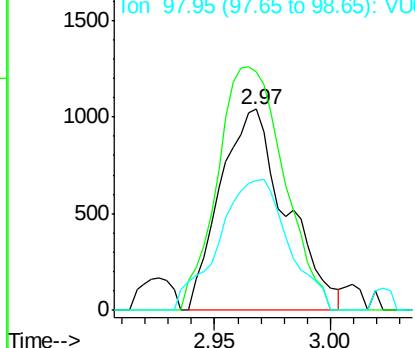
#18
trans-1,2-Dichloroethene
Concen: 0.110 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VU034410.D
Acq: 08 Sep 2019 03:53

Instrument :
MSVOA_U
ClientSampleId :
BFD97

Tot Ion: 96 Resp: 2058
Ion Ratio Lower Upper
96 100
61 118.8 103.5 192.3
98 64.6 44.9 83.3

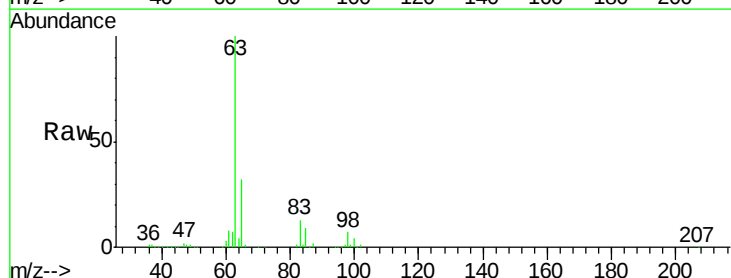


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

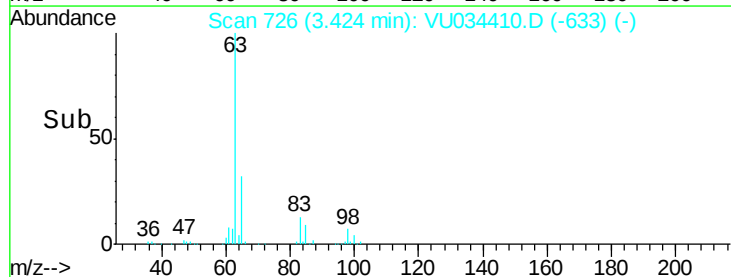
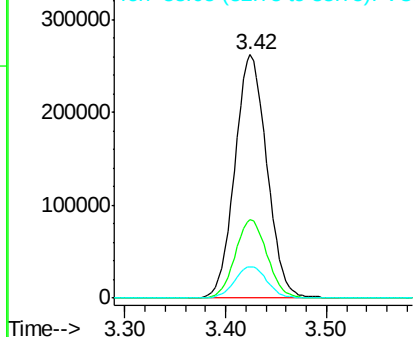


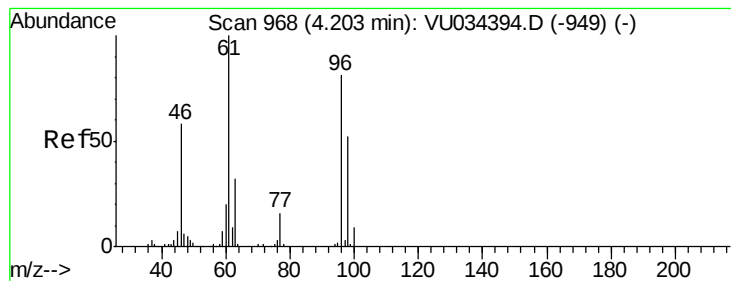
#19
1,1-Dichloroethane
Concen: 15.643 ug/L
RT: 3.42 min Scan# 726
Delta R.T. -0.00 min
Lab File: VU034410.D
Acq: 08 Sep 2019 03:53

Tgt Ion: 63 Resp: 576405
Ion Ratio Lower Upper
63 100
65 32.2 22.5 41.9
83 12.9 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



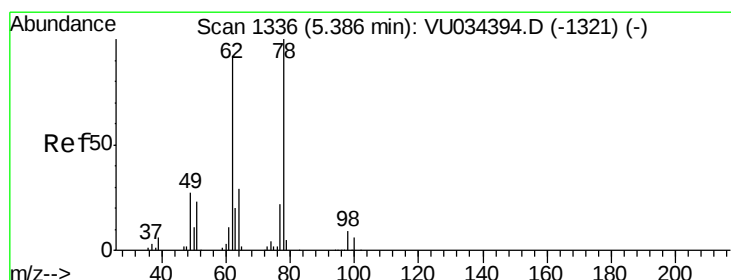
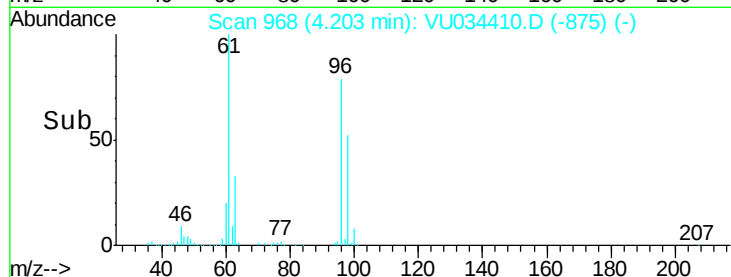
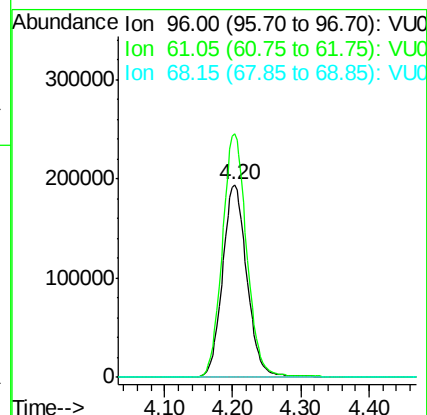
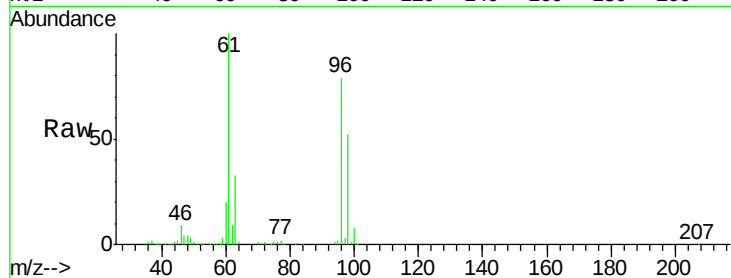


#22

cis-1,2-Dichloroethene
 Concen: 22.948 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034410.D
 Acq: 08 Sep 2019 03:53

Instrument :
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 ClientSampleId :
 BFD97

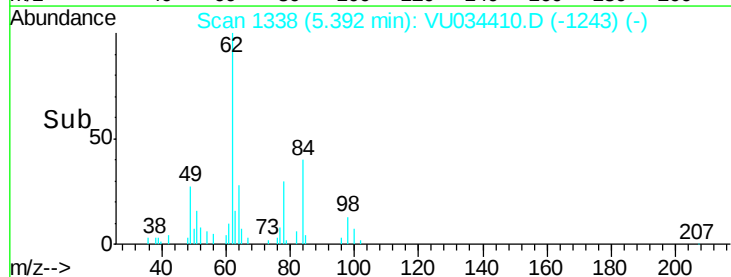
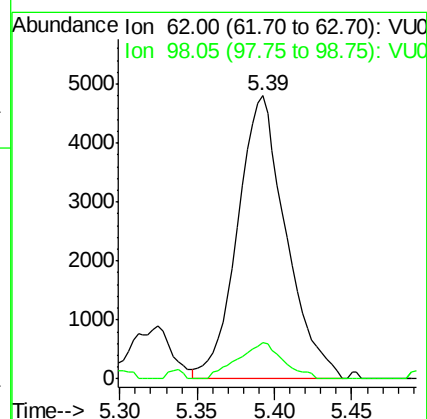
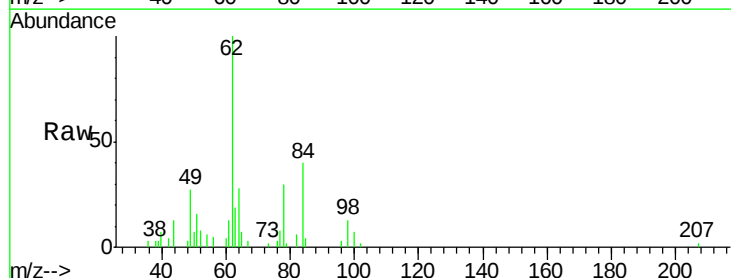
Tot Ion: 96 Resp: 482207
 Ion Ratio Lower Upper
 96 100
 61 126.3 93.6 173.8
 68 0.0 0.0 0.0

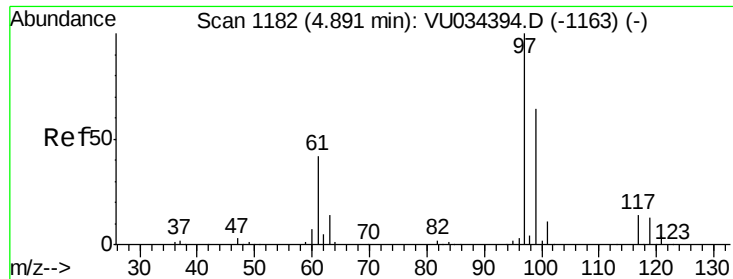


#27

1,2-Dichloroethane
 Concen: 0.505 ug/L
 RT: 5.39 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VU034410.D
 Acq: 08 Sep 2019 03:53

Tgt Ion: 62 Resp: 10458
 Ion Ratio Lower Upper
 62 100
 98 12.8 7.8 11.8#

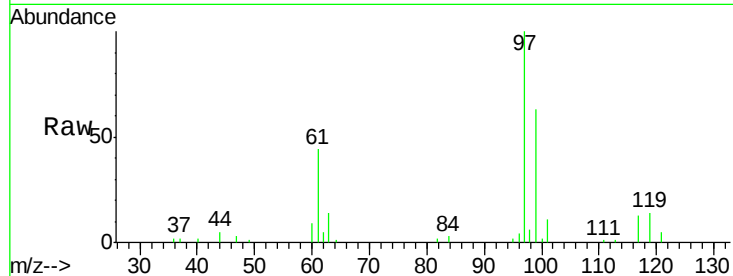




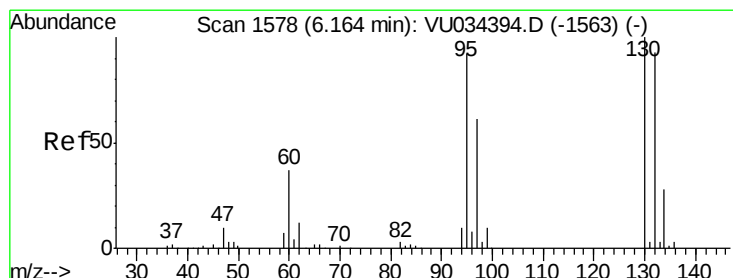
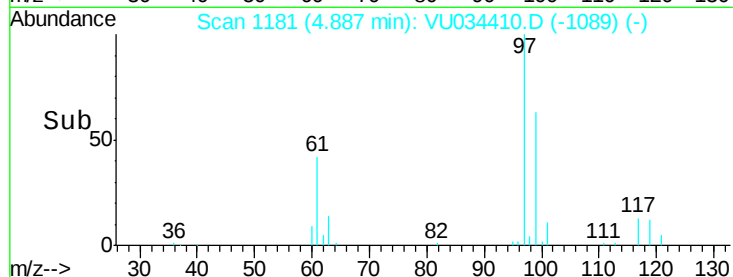
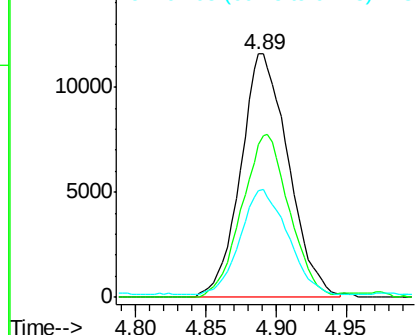
#29
1,1,1-Trichloroethane
Concen: 0.880 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034410.D
Acq: 08 Sep 2019 03:53

Instrument :
MSVOA_U
ClientSampled :
BFD97

Tot Ion: 97 Resp: 27424
Ion Ratio Lower Upper
97 100
99 66.4 52.1 78.1
61 43.2 35.4 53.2

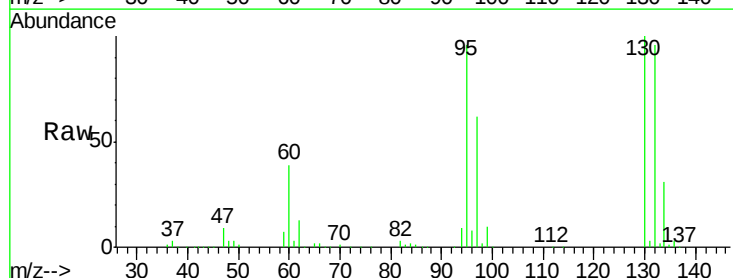


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

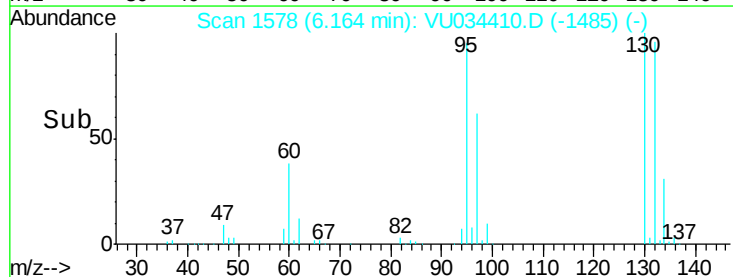
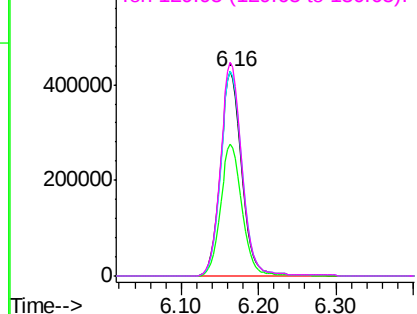


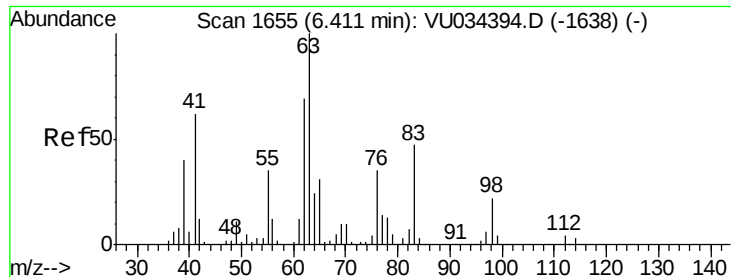
#34
Trichloroethene
Concen: 37.461 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034410.D
Acq: 08 Sep 2019 03:53

Tgt Ion: 95 Resp: 830029
Ion Ratio Lower Upper
95 100
97 64.6 43.3 80.5
132 100.0 68.6 127.4
130 104.6 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

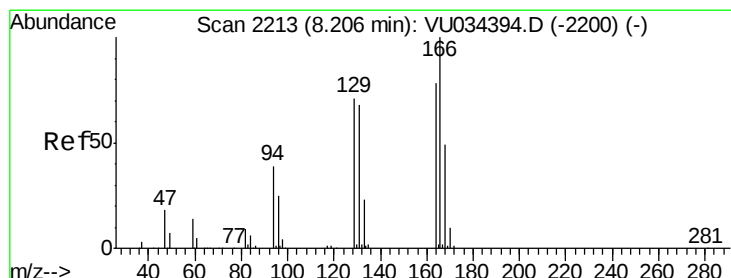
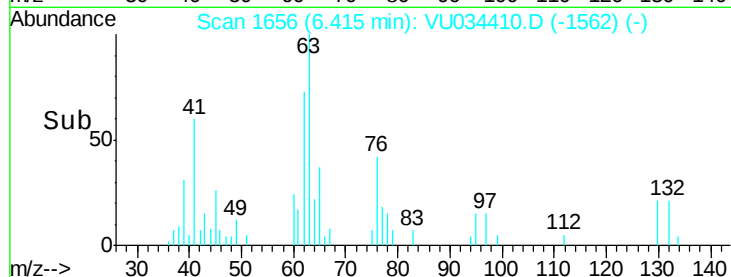
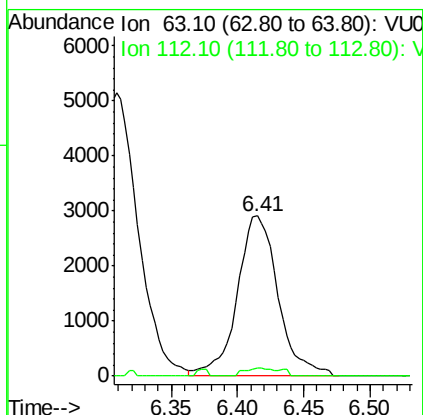
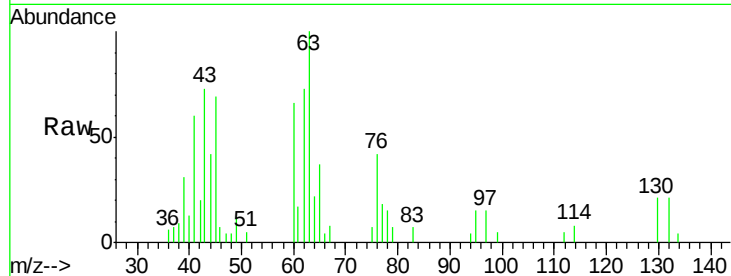




#37
 1,2-Dichloropropane
 Concen: 0.283 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034410.D
 Acq: 08 Sep 2019 03:53

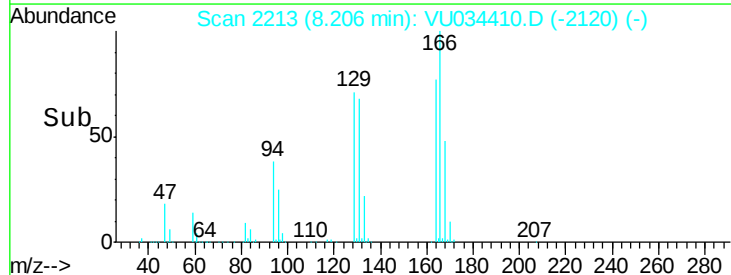
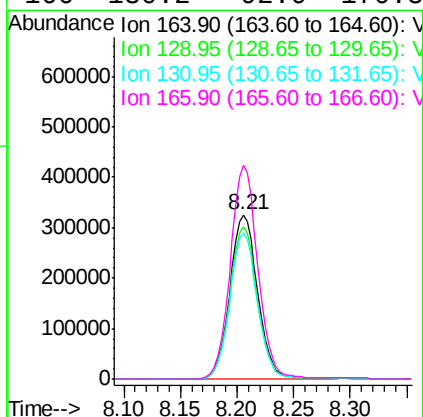
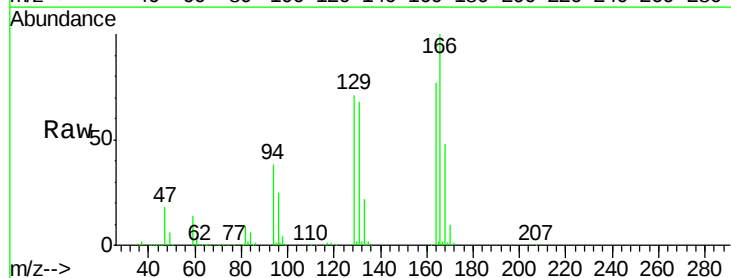
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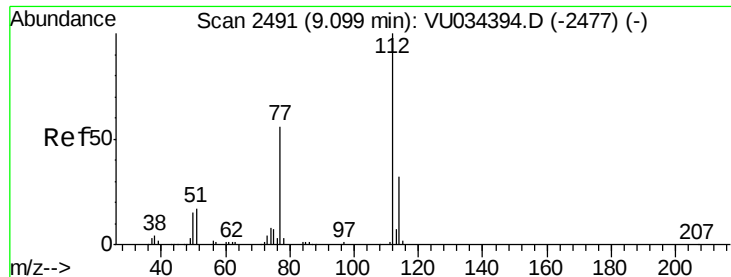
Tot Ion: 63 Resp: 6258
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.3 4.9



#47
 Tetrachloroethene
 Concen: 30.619 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034410.D
 Acq: 08 Sep 2019 03:53

Tgt Ion: 164 Resp: 557587
 Ion Ratio Lower Upper
 164 100
 129 92.6 68.0 126.2
 131 89.2 64.6 120.0
 166 130.2 92.0 170.8

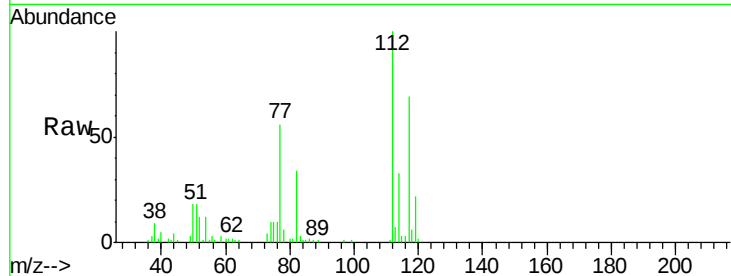




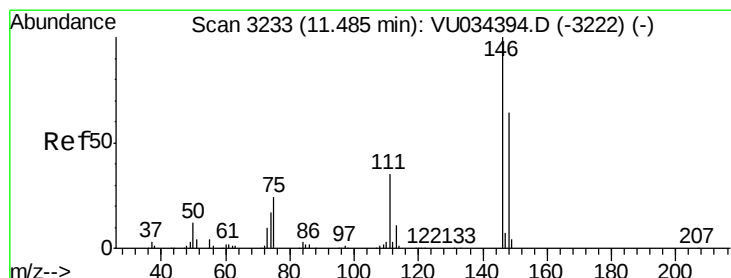
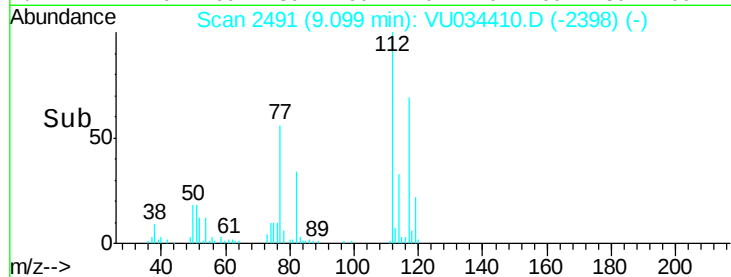
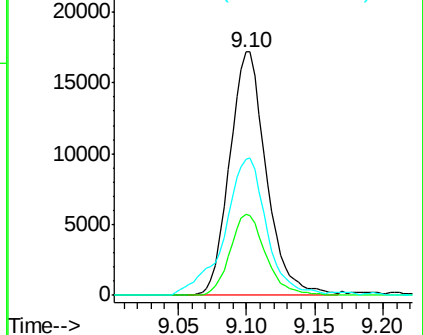
#51
Chlorobenzene
Concen: 0.556 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034410.D
Acq: 08 Sep 2019 03:53

Instrument :
MSVOA_U
ClientSampleId :
BFD97

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.6	42.0
77	55.8	46.3	69.5

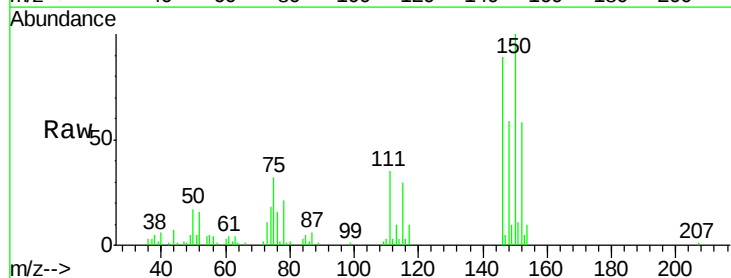


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

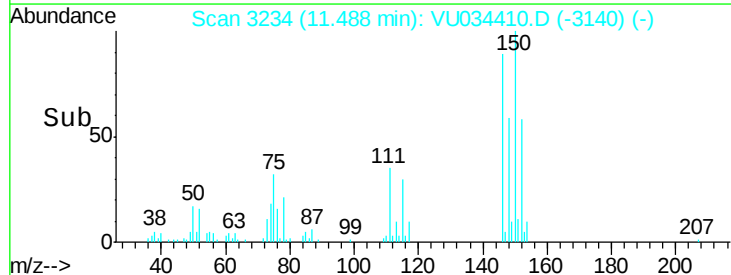
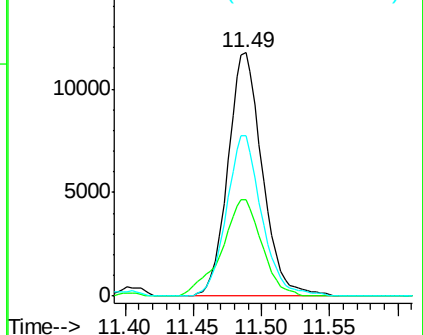


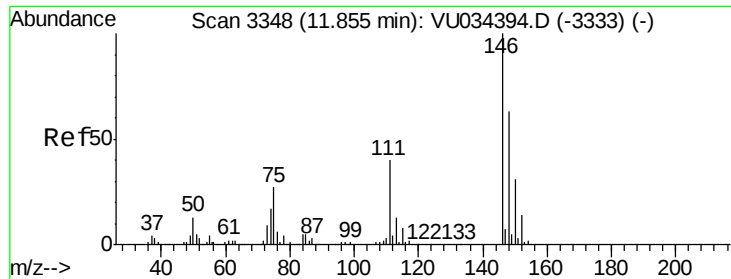
#63
1,4-Dichlorobenzene
Concen: 0.513 ug/L
RT: 11.49 min Scan# 3234
Delta R.T. 0.00 min
Lab File: VU034410.D
Acq: 08 Sep 2019 03:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.5	49.3
148	66.1	44.0	81.8



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

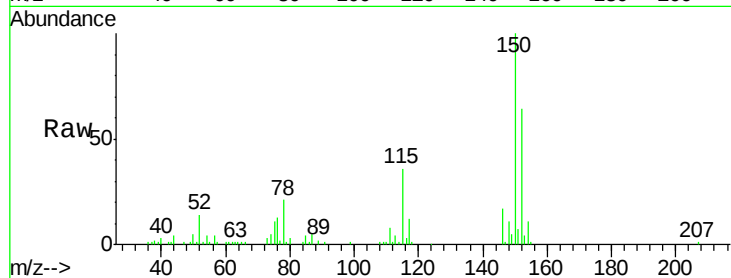




#65
 1,2-Dichlorobenzene
 Concen: 0.193 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034410.D
 Acq: 08 Sep 2019 03:53

Instrument :
 MSVOA_U
 ClientSampleId :
 BFD97

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	32.8	49.2
148	66.3	49.4	74.0



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

